# CMT ORANGE TOOLS®

# CATALOGUE 2026
## ENGLISH EDITION

**5.500** TIMES **#THANKYOU**

Not just Anyone, but Distributors
who carry our Orange further every day.

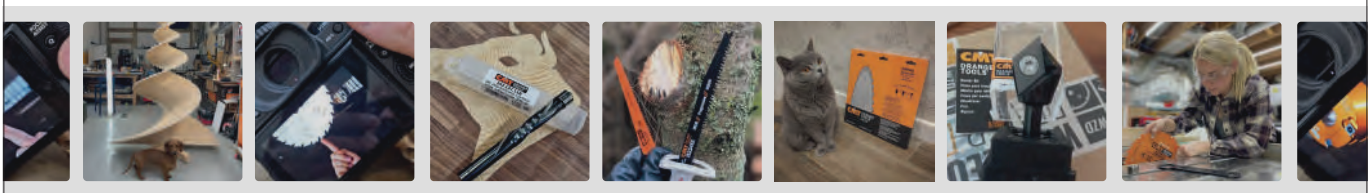
**15.500** TIMES **#TOGETHER**

Not just Followers, but Professionals
who share our same Passion for quality.

# ONE COLOR.

## EMPOWERING THOUSANDS OF HANDS.

# THANK YOU



**TO THOSE WHO BRING CMT TO THE WORLD.**

**TO THOSE WHO CREATE.**

**TO THOSE WHO SHARE.**

These images are reposted and credit goes to their respective owners.

## SCAN. FOLLOW. STAY INSPIRED.

## Blade Chart Abbreviations

**B** = Bore Diameter
**D** = Diameter
**K** = Kerf Thickness
**P** = Plate Thickness
**PH** = Pin Hole
**PITCH T** = (D*3.14)/Z
**RPM** = Round per Minute
**$T_1$** = Workable Thickness
**V** = N° of Rakers
**Z** = N° of Teeth

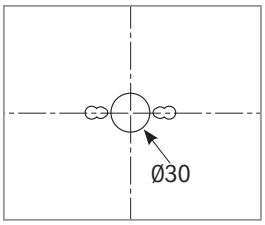
**α** = Hook Angle
**β** = Type/Angle of Grind:
**ATB** = Alternate Top Bevel Grind
**CO / CONICAL** = Conical Teeth
**FFT** = Flat-Flat-Trapezoidal
**FLAT / FTG** = Flat Top Grind
**FWF** = Flat with Alternate Chamfer
**HDF** = Hollow Ground Teeth
**Hi-ATB** = High Alternate Top Bevel Grind
**HR** = Hollow Back Teeth
**MATB** = Alternate Top Bevel with Chamfer Grind
**MTCG** = Triple Chip Grind (Trapezoidal) with Chamfer
**TCG** = Triple Chip Grind (Trapezoidal)

**BW** = Bevel Alternate (Metal Cutting)
**C/HZ** = Double Bevel and Flat (Metal Cutting)

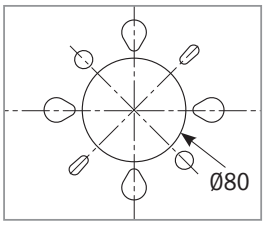
## Chart Abbreviations

**α** = Axial Angle
**A** = Angle
**B** = Bore Diameter
**D / $D_2$ / d** = Diameter
**H** = Cutting Depth
**I / $I_1$** = Cutting Length
**K** = Thickness
**L / $L_1$** = Overall Length
**LB** = Relative Lenght
**R / $R_1$** = Radius
**RPM** = Round per Minute
**S / $S_1$** = Shank Diameter
**$T_1$** = Workable Thickness
**TPI** = Teeth per Inch
**TS** = Tooth Spacing
**V** = N° of Spurs
**$V_f$** = Feed Speed
**W** = Width
**Z** = N° of Teeth

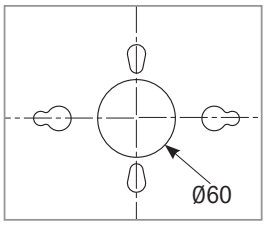
= Dispatch Package Q.ty (Inner Pack)




**COMBI3**
2/7/42mm
2/9/46,4mm
2/10/60mm



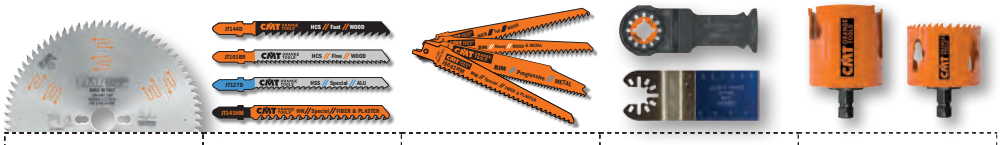

**COMBI5**
2/7/110mm
2/8,4/130mm
2/14/110mm
4/9/100mm
4/19/120mm




**COMBI7**
2/10/80mm
1/11/85mm
2/11/115mm
2/11/148mm
2/14/100mm
2/14/125mm
2/19/120mm

## THE RIGHT TOOLS FOR THE BEST RESULTS!

*Quick reference charts and pictograms help you choose the right tools for your application.*



| | SAW BLADES | JIG SAW BLADES | SABRE SAW BLADES | MULTI-CUTTERS | HOLE SAWS |
|---|---|---|---|---|---|
| WOOD | | | | | CARBIDE |
| WOOD & METAL | ✓ | ✓ | ✓ | ✓ | |
| METAL | | | | | BI-METAL |
| NON-FERROUS | | | | | |
| MULTI-MATERIALS | | | | | |
| SPECIAL / MASONRY | | | | | DIAMOND GRIT |

CMT ORANGE TOOLS®

# CMT HISTORY

**2023 to present:**
90+ Countries Worldwide
€50+ Million in sales
230+ Employees

**2022** 60 CMT 1962-2022

**2019** C.M.T. Utensili – Udine, Saw Blades Division opens

Marcello Tommassini is nominated CEO **2003**

**2002** C.M.T. Utensili Srl transforms into C.M.T. Utensili S.p.A.

**2001** C.M.T. Utensili, España (Valencia) opens

**1995** CMT USA Inc. (Greensboro NC) opens

Marcello Tommassini applies the distinctive orange color sign **1991**

Osvaldo's sons, Marcello and Stefano Tommassini, join the company **1982**

**1981** Permanent headquarters moves to the Chiusa di Ginestreto

Osvaldo Tommassini opens the first workshop in downtown Pesaro
**1962**

**1970's** the first headquarters and factory opens its doors in the industrial zone in Pesaro and becomes C.M.T. Utensili Srl

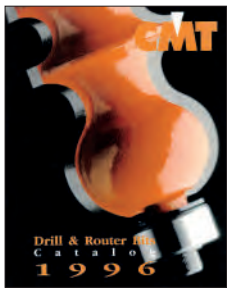
**1964** C.M.T. "Costruzioni Meccaniche Tommassini" is born

CMT headquarters in the 1970's

# CMT LOGO EVOLUTION

**1962** **1968** **1975** **1991** **1996** **1997** **2003**

Hello there!
My name is **CMT ORANGE TOOLS**, I am the brand name of a dynamic Italian company which I am proud to tell you about.
I was born in **1962** thanks to the initiative of my creator and company founder, Osvaldo Tommassini.
By the way, **CMT** stands for Costruzioni Meccaniche Tommassini. Over the years, my appearance has changed significantly.
In **1991** and **1997**, my two brothers (Bit and Blade) were born and following them, many others.
Orange by birth, together we make a great team and are synonymous with quality!
Today, after much hard work, our name has gone global so much so that our photo is registered in Trademark offices around the world.
Present in 90 countries around the world, our family has grown, the result of undying enthusiasm and above all,
the color **ORANGE**!




Our first catalogs

CMT HISTORY & LOGO EVOLUTION

SAW BLADES 4~88

JIG SAW BLADES 89~95

SABRE SAW BLADES 96~109

TOOLS FOR MULTI-CUTTERS 111~134

TOOLS WITH BORE & KNIVES 135~177

ROUTER BITS & SET 178~283

CNC ROUTER CUTTERS & CHUCKS 284~332

INDUSTRIAL DOWEL DRILLS 333~362

BITS FOR HAND POWER TOOLS 363~381

HOLE SAWS & MULTI-MATERIAL WHEELS 382~396

POWER TOOLS, JIGS & ACCESSORIES 397~425

DISPLAY CABINETS 426~435

SPARE PARTS 436~441

# MADE IN ITALY SINCE 1962!

**PESARO, ITALY**
HEADQUARTER & PRODUCTION PLANT

**UDINE, ITALY**
PRODUCTION PLANT

**GREENSBORO, USA**
WAREHOUSE

**VALENCIA, SPAIN**
WAREHOUSE

## OUR TOOLS

So, what does it take to make a CMT tool? Like all things of quality, it's not only what you do but how you do it. And anyone who works wood knows that you get out of a piece only what you put into it, and it is no different when manufacturing a tool. You choose your designs and materials carefully and you work using all of your skill and know-how. You'll be happy to know that's what we do at CMT too.

## OUR TRADEMARK COLOR ORANGE

As the story goes, we began small. We also put orange color surface coating on our tools, then we put our tools on the market and soon our orange tools were all over the world. Now, any woodworker anywhere in the world can tell you that orange tools means CMT, and that CMT means quality. Here at CMT we know we produce quality. You should too.
That's why we have trademarked the color orange on woodworking tools - it's your guarantee that you are getting a genuine high-quality CMT product.

## DESIGN

Everything starts with a clear idea and having the potential to express it. We have both. At CMT, our technical department uses the best of both worlds - computer technology and hands-on experience - to engineer and design each tool so that it performs flawlessly each time you use it, and to guarantee that you'll be using it for a long, long time.

## MATERIALS

Turning a design into a finished product means finding the right material that will do the job and that lives up to the specifications set out in the design - quality performance from the final product depends on it. When it comes to selecting raw materials, we don't cut corners.
At CMT, we know that high quality tools come only from high quality raw materials, so we use only solid bar stock steel and specially formulated micrograin carbide to manufacture our bits and blades.

*Loading the automated multi-axis CNC sharpening machines.*

## MANUFACTURING

Like we said, it's not just what you do but how you do it. Over the years we have continuously invested in the latest technology in CNC machining equipment and innovative software to manufacture our tools. The result is that now our entire manufacturing process, from turning and milling the steel shanks to brazing and sharpening the carbide cutting tips, is completely automated.
And since a machine is only as intelligent at the person using it, everything is operated by specifically trained operators.

## THE FINAL TOUCH

A tool simply wouldn't be a CMT tool if it didn't have the trademark orange color non-stick PTFE coating on it. This unique industrial strength surface coating is designed to withstand the physical stresses the tool undergoes during use while protecting it from residue build-up and burning. And we really like the orange color too.

## QUALITY CONTROL

Nobody's perfect, but we're trying. CMT uses rigorous quality control programs and the latest generation machining equipment to ensure that each bit has been manufactured with precision and accuracy and that it will give the long-lasting performance you expect from a **CMT ORANGE TOOLS**. Our tools are manufactured in compliance with European Standard EN 847 published and enforced by the CEN (European Committee for Standardisation).

## WE RECYCLE

CMT filters and purifies its water using a reverse osmosis system located inside the plant. Also the oil used in grinding and machining our tools must be clean and absolutely free of contaminants. Clean oil, after enough use, gets dirty, so we filter and reprocess dirty oil on the premises. This is our way of guaranteeing the quality of the oil we use, as well as contributing to help protect the environment.

## LOGISTICS & SERVICES

CMT offers a wide product range with over 7000 different standard tools, but that still isn't enough to achieve 100% customer satisfaction. It's a top priority to process orders and ship the same day. That's why CMT factories worldwide are equipped with 20+ automated vertical storage systems programmed to expedite and simplify order and delivery.
The tools you need, in-stock and ready for prompt shipment within 24 hours. What does this translate to for customers? Quick and efficient service exceeding customer satisfaction and branding our success.

PESARO, ITALY

GREENSBORO, UNITED STATES

**SCAN. FOLLOW. STAY INSPIRED.**

# Maximize Your SAW'S Performance

CMT ORANGE TOOLS®

| BLADE RANGE | ORANGE CHROME® | CHROME SHIELD | XTREME | INDUSTRIAL | ITK PLUS® |
|---|---|---|---|---|---|
| PERFORMANCE | ★★★★★ | ★★★★★ | ★★★★ | ★★★★ | ★★★★ |
| | | | | | |
| PACKAGING | CARTON BOX + COLORED LABEL | | | | PLASTIC CLAMSHELL |
| STEEL PLATE | **LASER-CUT PREMIUM QUALITY STEEL PLATE BODY**<br>Made with 46-48 HRC premium quality harmonic steel from Germany and laser-cut to perfection providing tighter tolerances translating to longer life and accurate cutting ability. | | | **LASER-CUT HIGH QUALITY STEEL PLATE BODY**<br>Made with 44 HRC high quality steel and laser-cut to ensure longer life and precision cutting. | |
| EXPANSION SLOTS | **LASER-CUT HEAT EXPANSION SLOTS**<br>Engineered to allow the blade to resist deformation from increases in temperature due to cutting applications and centrifugal forces. | | | | |
| SOUND DAMPENING SLOTS | NOISE/VIBRATION REDUCTION<br>**LASER-CUT SOUND DAMPENING SLOTS POLYMER-FILLED**<br>Slots filled with sound-dampening polymer reduce vibrations and noise by 25% compared to blades without it. This feature improves cut quality and extends blade life. In full compliance with National Noise Emission Standards and Regulations. | **LASER-CUT SOUND DAMPENING SLOTS**<br>Slots reduce vibrations and noise by 10% compared to blades without it. This feature improves cut quality and extends blade life. In full compliance with National Noise Emission Standards and Regulations. | | | |
| TENSIONING RING | **TENSIONING RING**<br>A visible tensioning ring on blade body provides stability during the cut and perfect concentricity during rotation. For improved performance, tensioning is fine-tuned according to machine/application. | | | ✕ | ✕ |
| BRAZING | <br>**TRI-METAL BRAZING**<br>Silver-Copper-Silver Tri-Metal Brazing prevents carbide from breaking during the cooling process and allows teeth to withstand high stress and impact especially when cutting harder woods and composite materials. | | | **SILVER BRAZING**<br>Silver Alloy Brazing prevents carbide from breaking during the cooling process and allows teeth to withstand high stress and impact especially when cutting harder woods and composite materials. | |
| CARBIDE TEETH | **INDUSTRIAL CHROME CARBIDE+**<br>Cutting teeth are made from a specially formulated chrome carbide which stays sharper longer by reducing cutting edge abrasion, improving cut quality. The "Plus" version has 50% longer tool life than Industrial Chrome Carbide. | SINTERHIP HI-DENSITY INDUSTRIAL CHROME CARBIDE<br>**INDUSTRIAL CHROME CARBIDE**<br>Cutting teeth are made from a specially formulated chrome carbide which stays sharper longer by reducing cutting edge abrasion, improving cut quality and tool life. | | SINTERHIP HI-DENSITY CARBIDE<br>**INDUSTRIAL SINTERHIP HI-DENSITY CARBIDE**<br>The SINTERHIP sintering process (Hot Isostatic Pressing) uses high temperature (up to 3500°F) and high pressure (up to 1500 psi) to fully consolidate carbide thereby resulting in a porosity-free product ensuring longer cutting life over traditional carbide and less risk of breakages. | |
| SHARPENING | <br>**PRECISION MIRROR FINISH SHARPENING**<br>Each tooth is precision ground on a multi-axis CNC machine creating perfect edge angles that provide extra-clean cutting performance and extended life. Featuring less than 0.25 µm Rmax in edge roughness. | | | **PRECISION SHARPENING**<br>Each tooth is precision ground on a multi-axis CNC machine creating perfect edge angles that provide extra-clean cutting performance and extended life. Featuring less than 0.35 µm Rmax in edge roughness. | SHEAR ANGLE<br>**SHEAR ANGLE SHARPENING**<br>The shear angle grinding, on the front face of the teeth, reduces the required cutting force thereby allowing for smoother cutting. |
| COATING | ORANGE CHROME<br>**ORANGE CHROME® COATING**<br>- Protects the tool against corrosion, rust and accumulation of resin and residues.<br>- Guarantees longer tool life.<br>- Lower power absorption by motor.<br>- Smoother blade movement throughout cutting operation.<br>- Tool maintenance is fast and easy.<br>- Surface Hardness: 380-400 Vickers. | CORROSION FREE CHROME SHIELD COATING<br>**CHROME SHIELD COATING**<br>- Protects the tool against corrosion, rust and accumulation of resin and residues.<br>- Guarantees longer tool life.<br>- Lower power absorption by motor.<br>- Smoother blade movement throughout cutting operation.<br>- Tool maintenance is fast and easy.<br>- Surface Hardness: 380-400 Vickers. | **HARD LAQUERING**<br>Protects against corrosion and rust. | NON-STICK ORANGE SHIELD COATING<br>**ORANGE SHIELD® NON-STICK PTFE COATING**<br>- Protects against corrosion and rust.<br>- Reduces resin and residue build-up.<br>- Reduces overheating and blade drag.<br>- Improves performance and cutting life. | |
| BALANCING | CMT XTREME BALANCING®<br>**CMT XTREME BALANCING®***<br>This system allows for extremely accurate dynamic balancing of the blade, several orders of magnitude above and beyond that which is currently available in the marketplace.<br>*INTERNATIONAL PATENT PENDING | | ✕ | ✕ | ✕ |
| KERF | **FULL KERF**<br>THIN KERF — BATTERY SAVER | | **FULL KERF** | | THIN KERF — BATTERY SAVER |

| | | | | |
|---|---|---|---|---|
| DEMOLITION 12 | CONSTRUCTION 13 | MULTI-RIP 14~17 | RIPPING 18~21 | WOOD |
| RIPPING & CROSSCUT 22~25 | FINISHING 26~29 | FINE FINISHING 30~35 | ULTRA FINE FINISHING 36~39 | |
| LAMINATED & CHIPBOARD, HPL 40~45 | DP - LAMINATED & CHIPBOARD 46-47 | PANEL SIZING & DPX 48-49 | SCORING 50-51 | |
| CONTRACTOR 52-53 | DADO 54~56 | GROOVING SYSTEM 57 | GROOVING & BISCUIT JOINER 58~60 | |
| ANGLE GRINDER 10 | DP - ULTRA-HARD & MULTI-MATERIALS 11, 62 | CLEARING GRASS, BUSHES, SMALL TREES 61 | SOLID SURFACE & PLASTICS 63 | MULTI-MATERIALS |
| NON-FERROUS & PLASTICS 64-65 | NON-FERROUS & MELAMINE 66-67 | NON-FERROUS & MELAMINE 68 | NON-FERROUS & MELAMINE -THIN KERF 69 | NON-FERROUS |
| HSS - METAL & STEEL 70-71 | HSS - METAL & STEEL (TiCN) 71 | METAL & STEEL 72-73 | STAINLESS STEEL 74 | METAL & STEEL |

# NEW PRODUCTION FACILITY IN UDINE, ITALIA

The Udine production facility, a state-of-the-art site dedicated to crafting high-quality circular blades, proudly upholds the tradition of **100% Made in Italy** excellence.

Here, technical expertise and managerial know-how come together to develop and patent cutting-edge solutions celebrated for their precision engineering and outstanding cutting performance.

This unwavering commitment to innovation and quality has established the Udine facility as a benchmark in the industry.

# QUALITY ACCORDING TO CMT

Quality can take on different meanings, at times it may relate to the appearance of a product, other times to the number of features or the materials used to make it and so on. Circular saw blades are technical items, tools dedicated to the realization of intermediate workings that if carried out impeccably, enable the manufacturing of the highest-quality finished products with the best production efficiency. Based on this principal, CMT manufactures saw blades using the functional quality concept, this being that every detail of the saw blade, from its design to the choice of materials to its manufacturing cycle, is finalized to give the best performance in the true-life use of the tool. As such, the features of our saw blades are always functional and are found on the product only if and when they bring a true benefit to reaching the established performance target. Should any of the saw blade features fail to do so they will be purposely omitted; the same applies to the tools' manufacturing work cycle which in turn makes it possible for CMT to focus its resources and on what really represents value for the user. The quality embedded in our products is the result of a school of thought which is shared and embraced by the people who make them, and this culture is relentlessly cultivated and improved. Quality at CMT also means respect for people and the Earth.

## STEEL PLATE

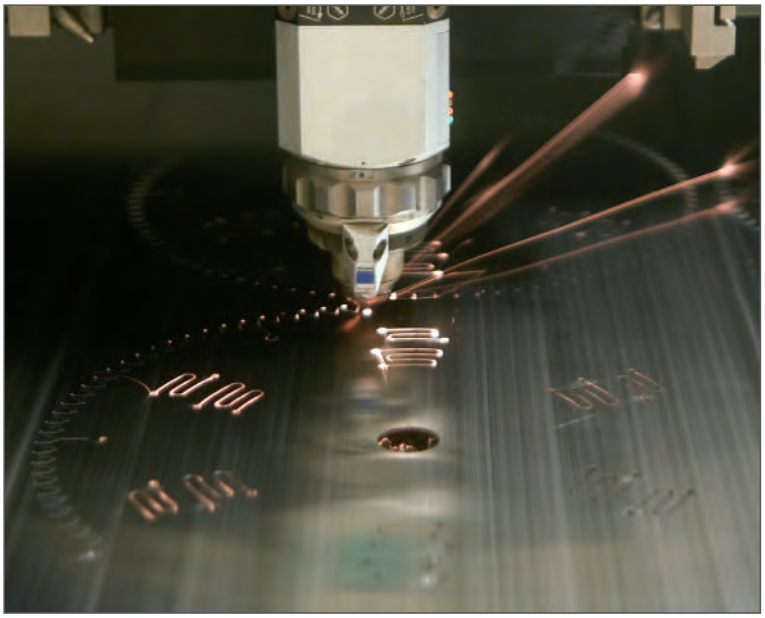
The body of a blade is an integral part of blade design; cutting quality and longevity depend on it. We use only the highest quality steel available, so durable and tough that it will not only withstand heavy workloads, but also be flexible enough to bend without breaking.

## LASER CUT

All our blanks are laser cut; this allows us to use harder harmonic steels for the blade bodies, which in return generates extremely rigid and stable saw blades, guaranteeing perfect flatness. In addition, we are able to engineer quieter tools using a very narrow laser beam to cut expansion and vibration dampening slots.

## EXPANSION SLOTS

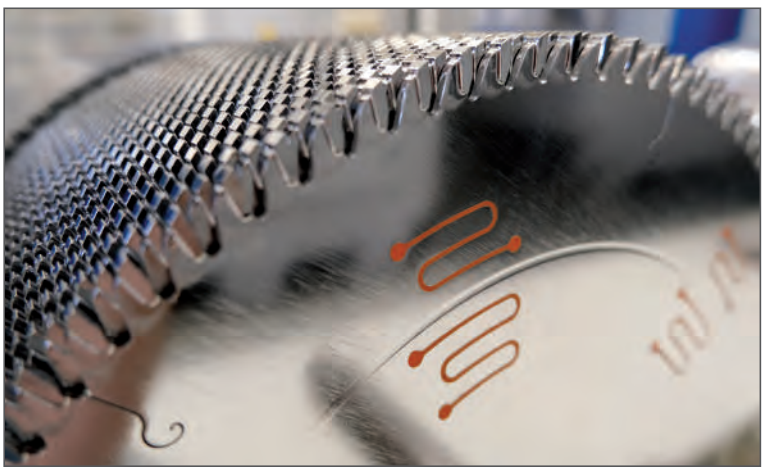
Engineered to allow the blade to resist deformation from increases in temperature due to cutting applications or centrifugal forces.



## LASER-CUT SLOTS FILLED WITH SOUND-DAMPENING POLYMER

Slots filled with sound-dampening polymer reduce vibrations and noise by 25% compared to blades without it (only the" Orange Chrome" series feature polymer-filled sound dampening slots). This feature improves cut quality and extends blade life.

In full compliance with National Noise Emission Standards and Regulations. (Expansion slots not enhanced by polymer filling, reduce vibration and noise by 10%).



## CMT XTREME BALANCING® *

* INTERNATIONAL PATENT PENDING

This system allows for extremely accurate dynamic balancing of the blade, several orders of magnitude above and beyond that which is currently available in the marketplace.
Each blade undergoes rigorous assessment and only in the event that micro imbalance is detected will the appropriate correction holes be applied.
You may find 1 to 5 micro balancing holes on your blade, depending on the degree of micro imbalance (fig.1). When in perfect balance, a single incision will appear on the blade as proof of balance (fig. 2).
These holes will have no effect on the technical properties of the blade during use (such as an increase in noise**, chip build-up at the correction site, etc.).
This translates to precise cutting, longer blade life, reduced vibration and noise, and less wear and tear on your machine components.

**Results are based on tests conducted by an independent laboratory.
These results are available for download on our website.

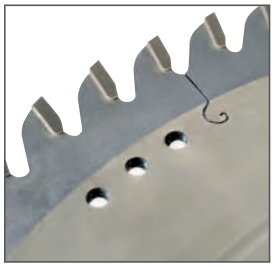
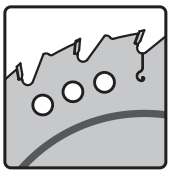


*Fig. 1*
*Example of balancing holes.*

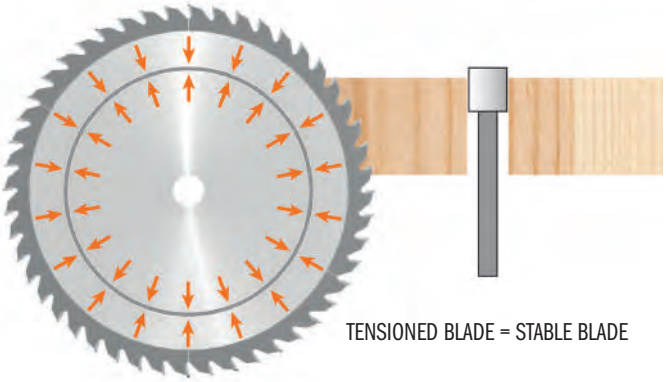
*Fig. 2 Example of inspected blade already in perfect balance.*

CMT XTREME BALANCING®

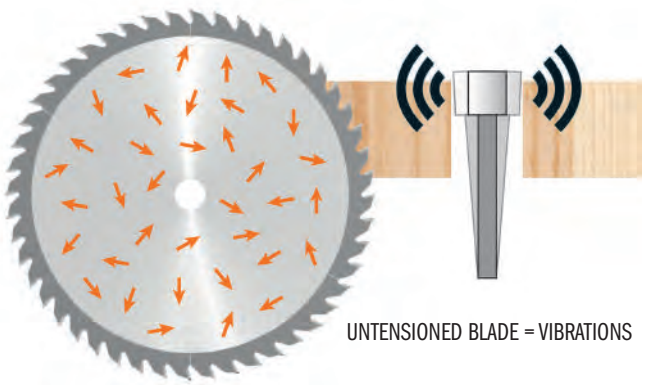


## TENSIONING RINGS & FLATTING

To ensure maximum performance, flatting and plate tensioning processes are performed. Every single blade is subject to a flatting process in order to achieve the highest flatness tolerance. The blade body then undergoes tensioning in order to enhance stiffness and stability.
A well-marked and visible ring is applied to the blade body by means of compression and with a predetermined force linked to the intended application and working conditions of each blade.



TENSIONED BLADE = STABLE BLADE



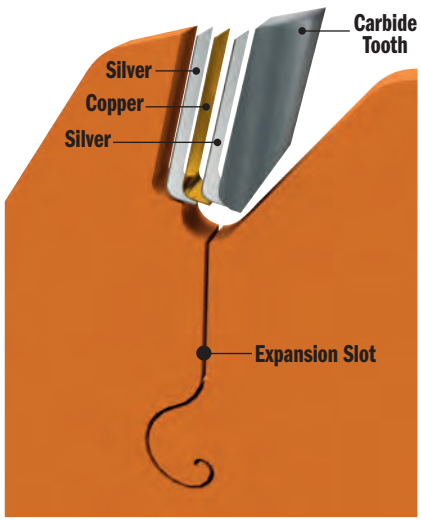
UNTENSIONED BLADE = VIBRATIONS

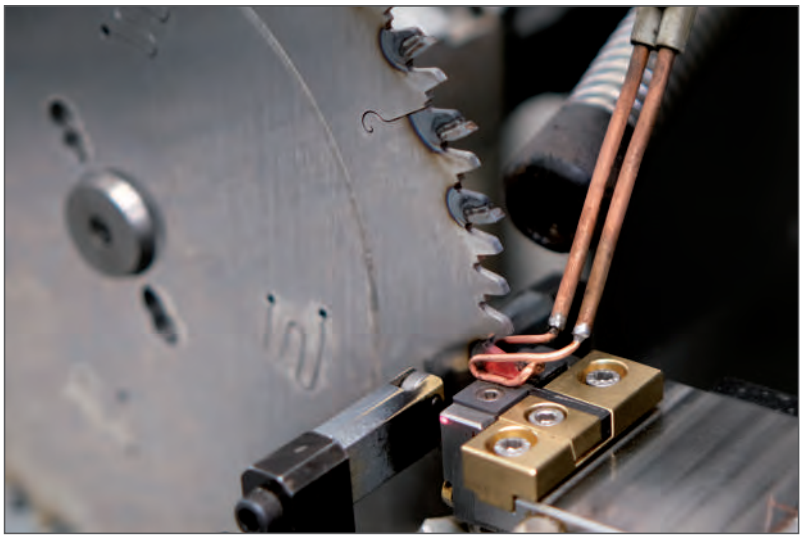
## CARBIDE TEETH

Tips require optimum quality carbide. Different applications call for different grades. Our Research and Development Team has evaluated and tested carbide grades and tracked their yield on performance both in house and in the field. We have access to the widest range in the world and only use top premium quality carbides.

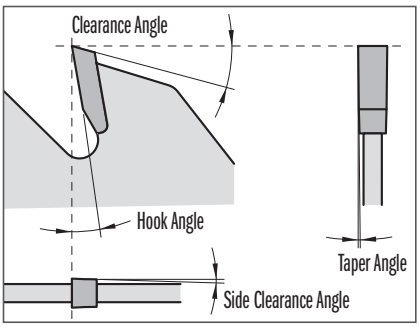
## TRI-METAL BRAZING

Brazing is the process of attaching a hard metal plate to the steel body of the blade. This is performed by using a bonding metal, which once melted, acts as a binder between the two parts. The bonding material used for brazing is a trimetallic alloy formed by silver, copper and silver, which not only serves to effectively attach the two parts together but whose fundamental properties create a shock-absorber effect protecting the cutting edges during routing operations.



## SHARPENING & CUTTING ANGLES




Sharpening is imperative to the production process of the blade and equally important with respect to the project in mind and material in use. Fully automated and numerically controlled grinding machines tooled with extra-fine-grained diamond wheels allow any type of angle and shape of the tooth. The right choice of these parameters will guarantee cutting edge lifetime and ultimately the best finish on the finished part.

## COATING

Quality coatings can be extremely effective in certain applications. CMT uses the following:

**ORANGE CHROME® COATING**

This is a coating composed of a thin layer of chromium, which is electrolytically deposited on the blade in order to increase wear resistance when in contact with highly abrasive material.
Surface hardness increases considerably, guaranteeing long-life and incredible resilience to corrosion and rust.

**CHROME SHIELD COATING**

**ORANGE SHIELD® COATING**

A registered and trademarked non-stick protective coating bearing our characteristic orange color. A technopolymer (PTFE is spray-applied to the blade body then baked to enhance its protective properties. Chemical compounds cannot attach this coating, it remains insoluble in water and solvents, is completely non-stick and diffuses and disperses heat.

## LASER MARKING & SCREEN PRINTING

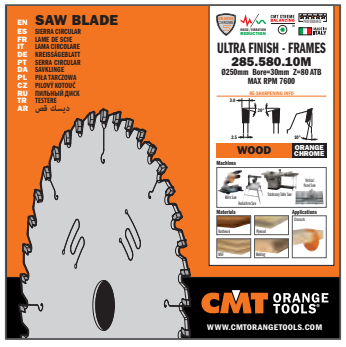
All CMT blades are identifiable by means of a latest generation indelible laser marking or multicolored screen-printing, a sophisticated automated technology that guarantees striking and versatile results.

## FINAL TESTING AND QUALITY CONTROL

Following design and manufacturing phases, each new model is tested to ensure maximum performance during the work phase.
The entire production process is subject to meticulous quality controls using conventional and sophisticated measuring system.

## NEW PACKAGING

- Blade packaging is made from strong and sturdy cardboard, reusable and environmentally friendly.
- Package information updated in 12 languages.
- New colored labels offer useful technical information such as application, materials and machine compatibility.



# HOW TO CHOOSE A BLADE IN THE NEW CMT CATALOGUE

**1**

## WHAT'S THE MATERIAL YOU WANT TO CUT?

- **WOOD**
- **WOOD & METAL**
- **METAL & STEEL**
- **NON-FERROUS**
- **MULTI-MATERIALS**

See table on page 5

**2**

## WHAT'S THE APPLICATION?

- **RIPPING**
- **RIPPING & CROSSCUT**
- **FINISHING**
- **FINE FINISHING**
- **ULTRA FINE FINISHING**
- **etc ....**

See table on page 5

**3**

## WHAT ARE THE PERFORMANCE EXPECTATIONS?

★★★★★
★★★★☆
★★★☆☆
★★☆☆☆

**4**

## WHAT MACHINE ARE YOU USING?

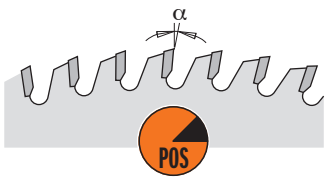
**BASED ON YOUR MACHINE, CHOOSE THE APPROPRIATE BLADE:**

- **DIAMETER (D)**
- **BORE (B)**

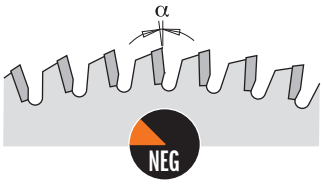
## SUGGESTIONS FOR CHOOSING THE RIGHT BLADE:

### HOOK ANGLE α

- Wood, Solid Surface (α = 10°~25°)
- Chipboard, MDF, Plywood, Laminate, Plastics (α = 5°~15°)
- Chipboard, MDF, Non-Ferrous, Metals (α = 0°~10°)



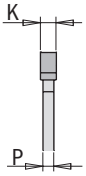

- Metals, Non-Ferrous, Plastics, Laminate (α = -5° ~ -15°)



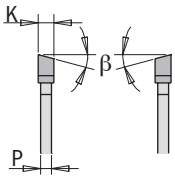

### TEETH SHAPE

- Wood, Chipboard, MDF, Plywood

**FLAT**

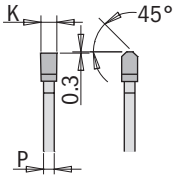



**ATB** (Hi-ATB, ATB+SHEAR)

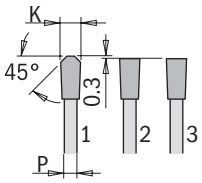



- Laminate, Chipboard, MDF, Plywood, Plastics

**TCG**

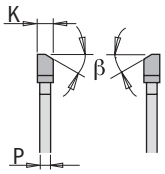



**FFT**




- Metals

**FWF**




- Special Application/Materials

**HDF**
**FLAT+ATB**
**CO+FLAT**
**MTCG**
**MATB**
**HR**

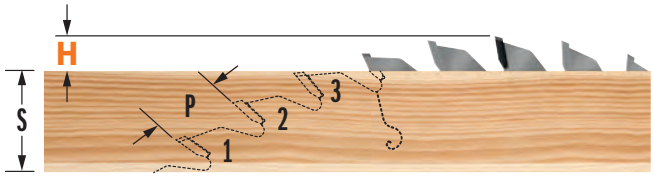
## SUGGESTIONS FOR BLADE USE:

In order to achieve the best cut possible, that is without modifying the predetermined angle of entry/exit, it is important that the portion of the blade **(H)** which extends beyond the workpiece during the cut, be close to equal to the height of an entire tooth (approx. 8/10mm).
To improve the finish, it is possible to make small adjustments by increasing or decreasing this height.
The number of teeth simultaneously engaged in cutting the material **(Teeth Cutting or Zp)** must be constant as the thickness **(S)** of the material varies. As with Zp < 3, the cutting quality is not guaranteed.
With the same diameter, and when cutting thicker material, ensure to use a blade with less teeth (or with a greater **Pitch P**) or vice versa **(S=[P x Zp]/1.414)**.

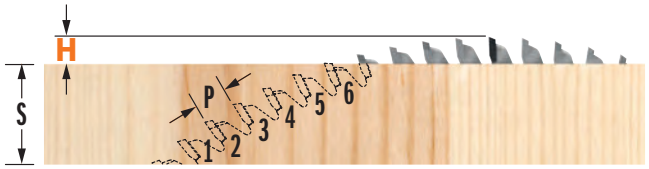
Thin blades are suitable for thinner materials. They also require less power during operation, and are ideal for battery-operated machines.

Thick blades, which are more robust, are suitable for precision cutting in thicker materials but obviously require more power.

We typically recommend using the blade at around **80% of MAX RPM** (as indicated on each blade).
However, this should be considered a starting point, as many variables are involved, in fact the best way to go forward is step-by-step.




Zp=3/4 – RIPPING




Zp=5/6 -CROSSCUT, CHIPBOARD, MDF, PLYWOOD, LAMINATE, PLASTICS

The blade Pitch (P), or the distance between each tooth, is calculated in the following way:

$$P = \frac{D \times 3.14}{Z}$$

**D=Blade Diameter (mm)**
**Z=N° of Teeth**

# Multi-Materials Carbide Wheel for Angle Grinder

## 286 ITK PLUS®

CARBIDE GRIT

**MULTI-MATERIALS**

| D mm | B mm | | ORDER NO. |
|---|---|---|---|
| 115 | 22.23 (+9.53+15.88) | 10 | **286.115.01** |
| 125 | 22.23 (+20+15.88) | 10 | **286.125.01** |
| 230 | 22.23 | 5 | **286.230.01** |

### MACHINES

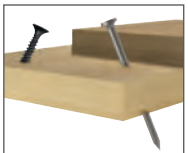
ANGLE GRINDER

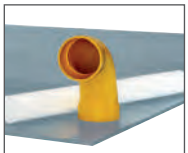
MINI CORDLESS CIRCULAR SAW

*Blade diameter compatibility is contingent on machine type.*

### MATERIALS

WOOD


WOOD/WOOD & NAILS


PLASTICS

PLASTERBOARD

# Multi-Materials Diamond Dry Wheel for Angle Grinder

## 286.61 ITK PLUS®

GRIT

**MULTI-MATERIALS**

| D mm | B mm | | ORDER NO. |
|---|---|---|---|
| 115 | 22.23 (+9.53+15.88) | 10 | **286.115.61** |
| 125 | 22.23 (+20+15.88) | 10 | **286.125.61** |

### MACHINES

ANGLE GRINDER

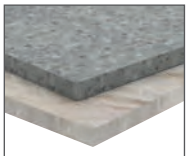
MINI CORDLESS CIRCULAR SAW

*Blade diameter compatibility is contingent on machine type.*

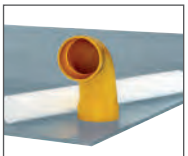
### MATERIALS

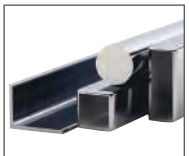
BRICKS & AERATED CONCRETE

HARD & SOFT TILE


HARD STONE

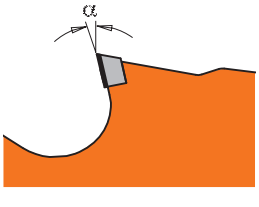
ARTIFICIAL STONE

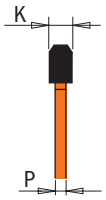

PLASTICS


METAL & STEEL

CMT ORANGE TOOLS®

## 236 ITK PLUS®




60X LONGER LIFE THAN CARBIDE

PCD DP

PERFORMANCE

MULTI-MATERIALS

## MACHINES

MINI CORDLESS CIRCULAR SAW

CORDLESS CIRCULAR SAW

CIRCULAR SAW

MITRE SAW

RADIAL ARM

STATIONARY TABLE

BATTERY SAVER

*Blade diameter compatibility is contingent on machine type.*

## MATERIALS

FIBRECEMENT

PLASTERBOARD

ETERNIT®

**IDEAL FOR:**
SWISSPEARL®, FERMACELL®, IVARPLANK®, HARDIEPLANK®, HARDIEPANEL®, CORIAN®, DUROPLAST®, FORMICA®

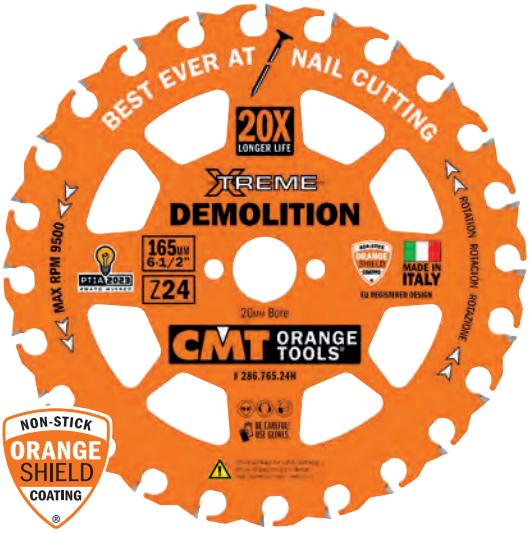
| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|
| 85 * | 15 | - | 6 | 1.8 | 1.4 | 12° | TCG | 10 | **236.085.06G** |
| 125 * | 22.23 | - | 7 | 2.0 | 1.4 | 5° | TCG | 10 | **236.125.07** |
| 160 | 20 | 2/6/32 | 4 | 2.4 | 1.8 | 12° | TCG | 10 | **236.160.04H** |
| 160 | 20 | 2/6/32 | 10 | 2.4 | 1.8 | 5° | TCG | 10 | **236.160.10H** |
| 165 | 20 (+15.88) | 2/6/32 | 4 | 1.8 | 1.4 | 12° | TCG | 10 | **236.165.04H** |
| 165 | 20 (+15.88) | 2/6/32 | 10 | 1.8 | 1.4 | 5° | TCG | 10 | **236.165.10H** |
| 168 | 20 | 2/6/32 | 10 | 1.8 | 1.2 | 5° | TCG | 10 | **236.168.10H** ● |
| 180 | 20 | 2/6/32 | 4 | 2.4 | 1.8 | 12° | TCG | 10 | **236.180.04H** |
| 190 | 30 | 2/7/42 | 4 | 2.4 | 1.8 | 12° | TCG | 10 | **236.190.04M** |
| 190 | 30 | 2/7/42 | 12 | 2.4 | 1.8 | 12° | TCG | 10 | **236.190.12M** |
| 210 | 30 | 2/7/42 | 12 | 2.4 | 1.8 | 12° | TCG | 10 | **236.210.12M** |
| 216 | 30 | 2/7/42 | 14 | 2.4 | 1.8 | 12° | TCG | 10 | **236.216.14M** |
| 230 | 30 | 2/7/42 | 4 | 2.4 | 1.8 | 12° | TCG | 10 | **236.230.04M** |
| 250 | 30 | COMBI3 | 16 | 2.4 | 1.8 | 12° | TCG | 10 | **236.250.16M** |
| 300 | 30 | COMBI3 | 20 | 2.4 | 1.8 | 12° | TCG | 5 | **236.300.20M** |

*Non-Silent Blades

● Ideal for **FESTOOL®** & others

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

CMT ORANGE TOOLS®




**BEST EVER AT NAIL CUTTING**

## 286 XTREME DEMOLITION

HW

★★★★★ PERFORMANCE

WOOD & NAILS

**INNOVATIONS**

EU REGISTERED DESIGN

**EXCLUSIVE SECURED TOOTH GEOMETRY**
**– BETTER HANDLES IMPACT WITH NAILS**
**– CUTS MORE NAILS THAN COMPETITORS**
Engineered to ensure the longest tool life under the most demanding conditions. Tips are brazed deep inside the blade plate for superior nail impact resistance.

**LOW MASS PLATE DESIGN**
Patented design that reduces blade mass minimizes heat and substantially increases cutting efficiency with cordless and corded saws. More cuts. Less battery.

### MACHINES

CORDLESS CIRCULAR SAW

CIRCULAR SAW

*Blade diameter compatibility is contingent on machine type.*

PTIA 2023 AWARD WINNER

**2023 PRO TOOL INNOVATION AWARDS**
**CIRCULAR SAW BLADE WINNER**
*"RECOGNITION FOR EXCELLENT VALUE, ADVANCED FEATURES AND INNOVATION"*
www.protoolinnovationawards.com

### MATERIALS

DEMOLITION

WOOD/WOOD & NAILS

PRESSURE TREATED

LAMINATED BEAMS

PLYWOOD

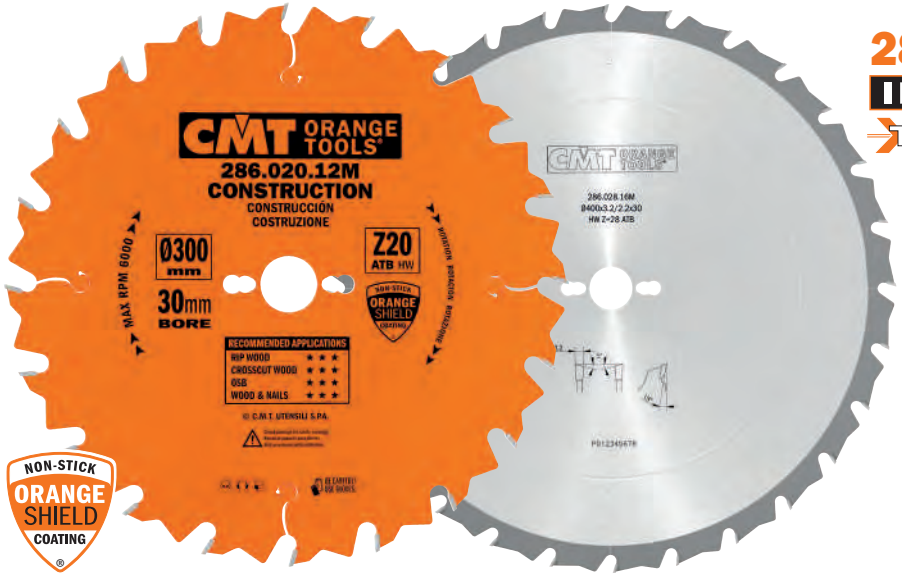
OSB

Watch the video on YouTube

| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|
| 160 | 20 | 2/6/32 | 24 | 2.3 | 1.2 | 5° | ATB 5° | 1 | **286.760.24H** ● |
| 165 | 20 | 2/6/32 | 24 | 2.3 | 1.2 | 5° | ATB 5° | 1 | **286.765.24H** ● |
| 190 | 30 | 2/7/42 | 24 | 2.3 | 1.2 | 5° | ATB 5° | 1 | **286.790.24M** |

● Ideal for FESTOOL® & others

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)



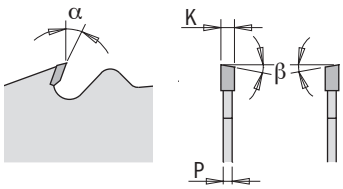

Images are not in scale with each other.

## 286 INDUSTRIAL XTREME

HW

PERFORMANCE

WOOD




## MACHINES

MITRE SAW

RADIAL ARM

PORTABLE TABLE SAW

STATIONARY TABLE

STATIONARY TABLE FIREWOOD SAW

*Blade diameter compatibility is contingent on machine type.*

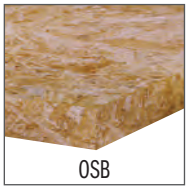
## APPLICATIONS

CONSTRUCTION CUTS

## MATERIALS

WOOD

WOOD & NAILS


OSB

FIREWOOD

*For specific details regarding suggested materials, please check blade label.*

## 286 INDUSTRIAL

| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | APPLICATIONS | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|---|
| 250 | 30 | COMBI3 | 16 | 2.8 | 1.8 | 15° | ATB 5° | Construction | 5 | 286.016.10M |
| 300 | 30 | COMBI3 | 20 | 2.8 | 1.8 | 15° | ATB 5° | Construction | 5 | 286.020.12M |
| 300* | 30 | COMBI3 | 48 | 3.2 | 2.2 | 15° | ATB 10° | General Purpose | 5 | 286.048.12M |
| 315 | 30 | COMBI3 | 24 | 3.2 | 2.2 | 15° | ATB 5° | Construction | 5 | 286.024.13M |
| 350 | 30 | COMBI3 | 24 | 3.2 | 2.2 | 15° | ATB 5° | Construction | 5 | 286.024.14M |

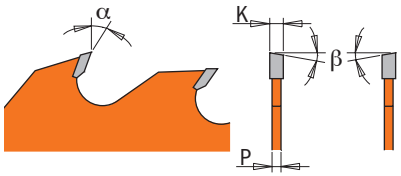
* Without limiter

## 286 XTREME

| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | APPLICATIONS | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|---|
| 400 | 30 | COMBI3 | 28 | 3.2 | 2.2 | 15° | ATB 5° | Construction | 1 | 286.028.16M |
| 450 | 30 | 2/10/60 | 32 | 3.8 | 2.8 | 15° | ATB 5° | Construction | 1 | 286.032.18M |
| 500 | 30 | 2/10/60 | 36 | 3.8 | 2.8 | 15° | ATB 5° | Construction | 1 | 286.036.20M |
| 550 | 30 | 2/10/60 | 40 | 4.2 | 3.2 | 15° | ATB 5° | Construction | 1 | 286.040.22M |
| 600 | 30 | 2/10/60 | 40 | 4.2 | 3.2 | 15° | ATB 5° | Construction | 1 | 286.040.24M |
| 700 | 30 | 2/10/60 | 46 | 4.4 | 3.2 | 15° | ATB 5° | Construction | 1 | 286.046.28M |

**SHOP TIPS:** Use our reduction ring from 30 to 25mm order n. **299.225.00** (for saw blades Ø250-300-315)
Use our reduction ring from 30 to 25mm order n. **299.228.00** (for saw blades Ø350 and larger)

## 280 INDUSTRIAL




HW MEC

PERFORMANCE

WOOD

**TECHNICAL DETAILS:**
The rakers prevent contact between the steel plate body and the material in use.

Thin Kerf minimises materials wastes.

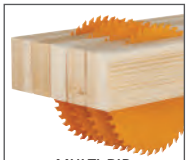
## MACHINES

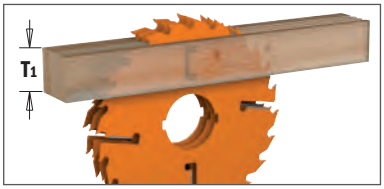
MULTI-RIP

MOULDERS

*Blade diameter compatibility is contingent on machine type.*

## APPLICATIONS


MULTI-RIP



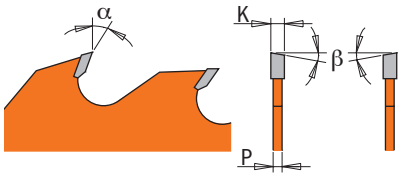

## MATERIALS

HARDWOOD

SOFTWOOD

| D mm | B mm | KEY WAY | PIN HOLE | Z+V | K mm | P mm | $T_1$ mm | α | β | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 180 | 40 | - | - | 21+3 | 2.5 | 1.8 | 30 | 18° | FLAT | 1 | **280.021.07S** |
| 200 | 40 | - | - | 21+3 | 2.5 | 1.8 | 35 | 18° | FLAT | 1 | **280.021.08S** |
| 250 | 70 | 21 x 5 | - | 20+4 | 2.7 | 1.8 | 50 | 18° | ATB 10° | 1 | **280.020.10V** |
| 250 | 80 | 13 x 5 | - | 20+4 | 2.7 | 1.8 | 50 | 18° | ATB 10° | 1 | **280.020.10W** |
| 300 | 70 | 21 x 5 | - | 24+4 | 2.7 | 1.8 | 60 | 18° | ATB 10° | 1 | **280.024.12V** |
| 300 | 80 | 13 x 5 | - | 24+4 | 2.7 | 1.8 | 60 | 18° | ATB 10° | 1 | **280.024.12W** |

# 277 INDUSTRIAL




HW MEC

PERFORMANCE

WOOD

**TECHNICAL DETAILS:**
The rakers prevent contact between the steel plate body and the material in use.

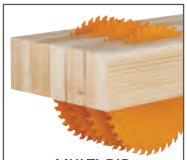
Thanks to the increased thickness, the blade guarantees stability and balanced distribution of lateral forces, reducing vibrations under extreme work load.

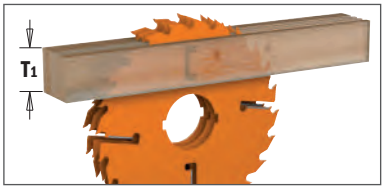
## MACHINES

MULTI-RIP

*Blade diameter compatibility is contingent on machine type.*

## APPLICATIONS


MULTI-RIP



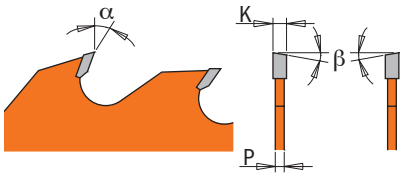

## MATERIALS

HARDWOOD

SOFTWOOD

| D mm | B mm | KEY WAY | PIN HOLE | Z+V | K mm | P mm | T1 mm | α | β | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 300 | 30 | - | COMBI3 | 24+4 | 4.0 | 2.8 | 80 | 18° | ATB 10° | 1 | **277.024.12M** |
| 300 | 70 | 21 x 5 | - | 24+4 | 4.0 | 2.8 | 80 | 18° | ATB 10° | 1 | **277.024.12V** |
| 300 | 80 | 13 x 5 | - | 24+4 | 4.0 | 2.8 | 80 | 18° | ATB 10° | 1 | **277.024.12W** |
| 350 | 30 | - | COMBI3 | 24+6 | 4.2 | 2.8 | 105 | 18° | ATB 10° | 1 | **277.024.14M** |
| 350 | 70 | 21 x 5 | - | 24+6 | 4.2 | 2.8 | 105 | 18° | ATB 10° | 1 | **277.024.14V** |

## 279 INDUSTRIAL




**TECHNICAL DETAILS:**
The rakers prevent contact between the steel plate body and the material in use.

HW MEC

PERFORMANCE

WOOD

## MACHINES

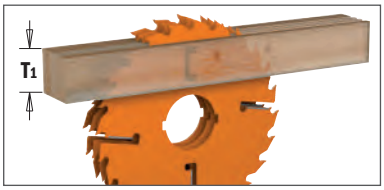
MULTI-RIP

MOULDERS

*Blade diameter compatibility is contingent on machine type.*

## APPLICATIONS

MULTI-RIP



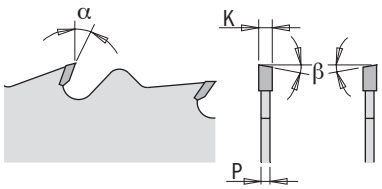

## MATERIALS

HARDWOOD

SOFTWOOD

| D mm | B mm | KEY WAY | PIN HOLE | Z+V | K mm | P mm | T1 mm | α | β | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 250 | 30 | - | COMBI3 | 20+4 | 3.2 | 2.2 | 65 | 18° | ATB 10° | 1 | **279.020.10M** |
| 250 | 70 | 21 x 5 | - | 20+4 | 3.2 | 2.2 | 65 | 18° | ATB 10° | 1 | **279.020.10V** |
| 250 | 80 | 13 x 5 | - | 20+4 | 3.2 | 2.2 | 65 | 18° | ATB 10° | 1 | **279.020.10W** |
| 300 | 30 | - | COMBI3 | 24+4 | 3.2 | 2.2 | 80 | 18° | ATB 10° | 1 | **279.024.12M** |
| 300 | 60 | 21 x 5 | - | 24+4 | 3.2 | 2.2 | 80 | 18° | ATB 10° | 1 | **279.024.12U** |
| 300 | 70 | 21 x 5 | - | 24+4 | 3.2 | 2.2 | 80 | 18° | ATB 10° | 1 | **279.024.12V** |
| 300 | 80 | 13 x 5 | - | 24+4 | 3.2 | 2.2 | 80 | 18° | ATB 10° | 1 | **279.024.12W** |
| 350 | 30 | - | COMBI3 | 28+4 | 3.5 | 2.5 | 105 | 18° | ATB 10° | 1 | **279.028.14M** |
| 350 | 60 | 21 x 5 | - | 28+4 | 3.5 | 2.5 | 105 | 18° | ATB 10° | 1 | **279.028.14U** |
| 350 | 70 | 21 x 5 | - | 28+4 | 3.5 | 2.5 | 105 | 18° | ATB 10° | 1 | **279.028.14V** |
| 350 | 80 | 14 x 5 | - | 28+4 | 3.5 | 2.5 | 105 | 18° | ATB 10° | 1 | **279.028.14W** |
| 400 | 30 | - | COMBI3 | 28+6 | 4.0 | 2.8 | 120 | 18° | ATB 10° | 1 | **279.028.16M** |
| 400 | 70 | 21 x 5 | - | 28+6 | 4.0 | 2.8 | 120 | 18° | ATB 10° | 1 | **279.028.16V** |

# 278 CHROME SHIELD




CMT XTREME BALANCING®

HW

PERFORMANCE

WOOD

## MACHINES

SQUARING

MULTI-RIP

*Blade diameter compatibility is contingent on machine type.*

## APPLICATIONS

MULTI-RIP

RIPS

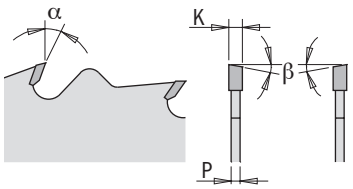
## MATERIALS

HARDWOOD

SOFTWOOD

| D mm | B mm | KEY WAY | PIN HOLE | Z | K mm | P mm | α | β | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|---|
| 300 | 30 | - | COMBI3 | 28 | 3.2 | 2.2 | 18° | ATB 10° | 1 | **278.028.12M** |
| 300 | 70 | 21x5 | - | 28 | 3.2 | 2.2 | 18° | ATB 10° | 1 | **278.028.12V** |
| 350 | 30 | - | COMBI3 | 36 | 3.5 | 2.5 | 18° | ATB 10° | 1 | **278.036.14M** |
| 350 | 70 | 21x5 | - | 36 | 3.5 | 2.5 | 18° | ATB 10° | 1 | **278.036.14V** |

## 285 ORANGE CHROME®



**WOOD**

## MACHINES

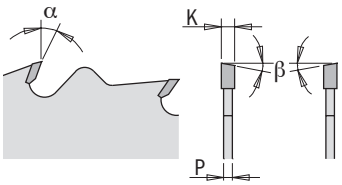
*Blade diameter compatibility is contingent on machine type.*

## APPLICATIONS

## MATERIALS

| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|
| 250 | 30 | COMBI3 | 24 | 3.2 | 2.2 | 10° | FLAT | 1 | **285.624.10M** |

## 285-293 XTREME




HW

PERFORMANCE

WOOD

## MACHINES

MITRE SAW

RADIAL ARM

STATIONARY TABLE

SQUARING

*Blade diameter compatibility is contingent on machine type.*

## APPLICATIONS

RIPS

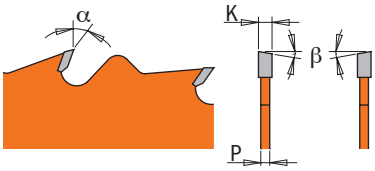
## MATERIALS

HARDWOOD

SOFTWOOD

| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|
| 300 | 30 | COMBI3 | 24 | 3.2 | 2.2 | 20° | ATB 10° | 1 | **293.024.12M** |
| 300 | 35 | - | 24 | 3.2 | 2.2 | 20° | ATB 10° | 1 | **293.024.12R** |
| 305 | 30 | COMBI3 | 28 | 3.2 | 2.2 | 20° | ATB 10° | 1 | **293.028.22M** |
| 315 | 30 | COMBI3 | 28 | 3.2 | 2.2 | 20° | ATB 10° | 1 | **293.028.12M** |
| 315 | 30 | COMBI3 | 36 | 3.2 | 2.2 | 15° | ATB 5° | 1 | **285.036.13M** |
| 350 | 30 | COMBI3 | 28 | 3.5 | 2.5 | 20° | ATB 10° | 1 | **293.028.14M** |
| 350 | 35 | - | 28 | 3.5 | 2.5 | 20° | ATB 10° | 1 | **293.028.14R** |
| 400 | 30 | COMBI3 | 36 | 3.5 | 2.5 | 20° | ATB 10° | 1 | **285.036.16M** |
| 450 | 30 | COMBI3 | 36 | 3.8 | 2.8 | 20° | ATB 10° | 1 | **285.036.18M** |
| 500 | 30 | COMBI3 | 44 | 4.0 | 2.8 | 20° | ATB 10° | 1 | **285.044.20M** |

## 290 INDUSTRIAL




HW

PERFORMANCE

WOOD

## MACHINES

CIRCULAR SAW

MITRE SAW

SLIDE MITRE SAW

STATIONARY TABLE

*Blade diameter compatibility is contingent on machine type.*

## APPLICATIONS

RIPS

## MATERIALS

HARDWOOD

SOFTWOOD

OSB

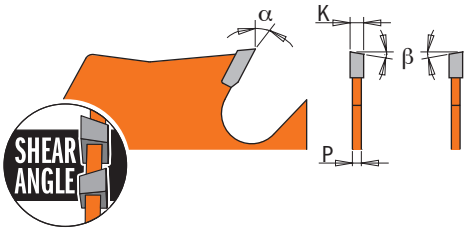
| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|
| 150 | 20 | - | 12 | 2.4 | 1.4 | 20° | ATB 10° | 10 | 290.150.12H |
| 160 | 16 | - | 12 | 2.2 | 1.6 | 20° | ATB 10° | 5 | 290.160.12E ■ |
| 160 | 20 (+16) | 2/6/32 | 12 | 2.2 | 1.6 | 20° | ATB 10° | 10 | 290.160.12H ● |
| 180 | 30 | 2/7/42 | 12 | 2.6 | 1.6 | 20° | ATB 10° | 10 | 290.180.12M |
| 190 | 30 (+16+20) | 2/7/42 | 12 | 2.6 | 1.6 | 20° | ATB 10° | 10 | 290.190.12M |
| 200 | 30 | 2/7/42 | 24 | 2.8 | 1.8 | 20° | ATB 10° | 10 | 290.200.24M |
| 210 | 30 | 2/7/42 | 24 | 2.8 | 1.8 | 20° | ATB 10° | 10 | 290.210.24M ● |
| 216 | 30 | 2/7/42 | 24 | 2.8 | 1.8 | -5° | ATB 15° | 10 | 290.216.24M ● |
| 220 | 30 | 2/7/42 | 24 | 2.8 | 1.8 | 20° | ATB 10° | 10 | 290.220.24M |
| 230 | 30 | 2/7/42 | 24 | 2.8 | 1.8 | 20° | ATB 10° | 10 | 290.230.24M ● |
| 235 | 25 | - | 24 | 2.8 | 1.8 | 20° | ATB 10° | 5 | 290.235.24L ■ |
| 235 | 30 (+25) | 2/7/42 | 24 | 2.8 | 1.8 | 20° | ATB 10° | 10 | 290.235.24M |
| 240 | 30 | 2/7/42 | 24 | 2.8 | 1.8 | 20° | ATB 10° | 10 | 290.240.24M |
| 250 | 30 | COMBI3 | 24 | 2.8 | 1.8 | 20° | ATB 10° | 5 | 290.250.24M |
| 260 | 30 | COMBI3 | 28 | 2.8 | 1.8 | 20° | ATB 10° | 5 | 290.260.28M ● |
| 270 | 30 | COMBI3 | 28 | 2.8 | 1.8 | 20° | ATB 10° | 5 | 290.270.28M |

● Ideal for FESTOOL® & others

■ *While supplies last*

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

## 271 ITK PLUS®




HW

PERFORMANCE

WOOD

## MACHINES

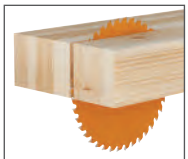
MITRE SAW

STATIONARY TABLE

BATTERY SAVER

*Blade diameter compatibility is contingent on machine type.*

## APPLICATIONS



RIPS

## MATERIALS

HARDWOOD

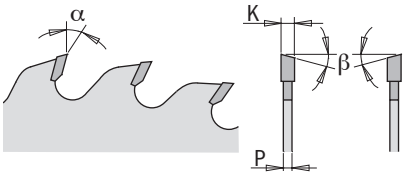
SOFTWOOD

OSB

*For specific details regarding suggested materials, please check blade label.*

| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | SHEAR ANGLE | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|---|
| 250 | 30 | COMBI3 | 24 | 2.4 | 1.6 | 20° | ATB 10° | 8° | 10 | **271.250.24M** |
| 300 | 30 | COMBI3 | 24 | 2.6 | 1.8 | 22° | ATB 10° | 8° | 5 | **271.300.24M** |

## 285.6 ORANGE CHROME®




HW

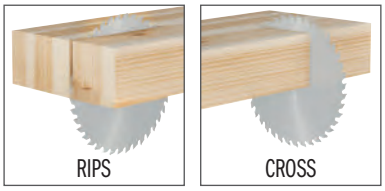
PERFORMANCE

WOOD

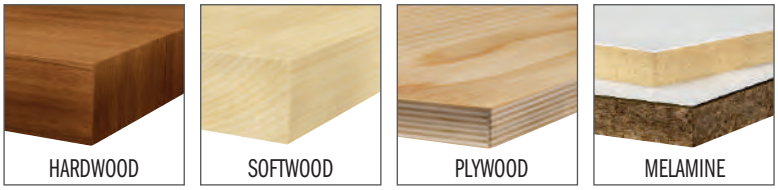
## MACHINES

*Blade diameter compatibility is contingent on machine type.*

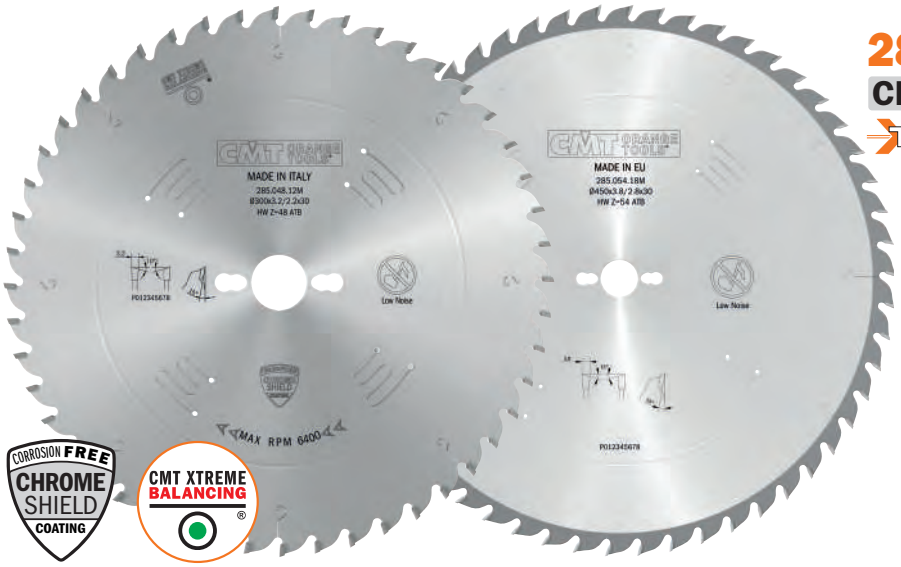
## APPLICATIONS




## MATERIALS




| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|
| 250 | 30 | COMBI3 | 40 | 3.2 | 2.2 | 15° | ATB 10° | 1 | **285.640.10M** |
| 300 | 30 | COMBI3 | 48 | 3.2 | 2.2 | 15° | ATB 10° | 1 | **285.648.12M** |
| 350 | 30 | COMBI3 | 54 | 3.5 | 2.5 | 15° | ATB 10° | 1 | **285.654.14M** |
| 400 | 30 | COMBI3 | 60 | 3.5 | 2.5 | 10° | ATB 15° | 1 | **285.660.16M** |



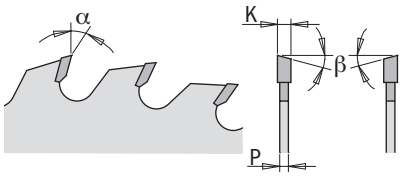

# 285-294

**CHROME SHIELD**

XTREME

HW

**WOOD**




## MACHINES

MITRE SAW

RADIAL ARM

STATIONARY TABLE

## APPLICATIONS

RIPS

CROSS

*Blade diameter compatibility is contingent on machine type.*

## MATERIALS

HARDWOOD

SOFTWOOD

PLYWOOD

MELAMINE

*For specific details regarding suggested materials, please check blade label.*

| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | | CHROME SHIELD ORDER NO. ★★★★★ | XTREME ORDER NO. ★★★★☆ |
|---|---|---|---|---|---|---|---|---|---|---|
| 250 | 30 | COMBI3 | 40 | 3.2 | 2.2 | 15° | ATB 10° | 1 | **285.040.10M** | |
| 250 | 35 | - | 40 | 3.2 | 2.2 | 15° | ATB 10° | 1 | | **285.040.10R** |
| 250 | 30 | COMBI3 | 48 | 3.2 | 2.2 | 15° | ATB 10° | 1 | **285.048.10M** | |
| 254 | 30 | COMBI3 | 48 | 2.4 | 1.8 | -5° | ATB 15° | 1 | **294.048.10M** | |
| 275 | 20 | - | 42 | 3.2 | 2.2 | 15° | ATB 10° | 1 | | **285.042.11H** |
| 300 | 30 | COMBI3 | 36 | 3.2 | 2.2 | 15° | ATB 10° | 1 | **285.036.12M** | |
| 300 | 20 | - | 48 | 3.2 | 2.2 | 15° | ATB 10° | 1 | | **285.048.12H** |
| 300 | 30 | COMBI3 | 48 | 3.2 | 2.2 | 15° | ATB 10° | 1 | **285.048.12M** | |
| 300 | 35 | - | 48 | 3.2 | 2.2 | 15° | ATB 10° | 1 | | **285.048.12R** |
| 305 | 30 | COMBI3 | 54 | 2.8 | 1.8 | -5° | ATB 15° | 1 | **294.054.22M** | |
| 315 | 30 | COMBI3 | 54 | 3.2 | 2.2 | 15° | ATB 10° | 1 | **294.054.12M** | |
| 350 | 30 | COMBI3 | 54 | 3.5 | 2.5 | 15° | ATB 10° | 1 | **285.054.14M** | |
| 350 | 35 | - | 54 | 3.5 | 2.5 | 15° | ATB 10° | 1 | | **285.054.14R** |
| 400 | 30 | COMBI3 | 48 | 3.5 | 2.5 | 20° | ATB 10° | 1 | **285.048.16M** | |
| 400 | 30 | COMBI3 | 60 | 3.5 | 2.5 | 10° | ATB 15° | 1 | **285.060.16M** | |
| 450 | 30 | COMBI3 | 54 | 3.8 | 2.8 | 15° | ATB 15° | 1 | | **285.054.18M** |
| 500 | 30 | COMBI3 | 60 | 3.8 | 2.8 | 15° | ATB 15° | 1 | | **285.060.20M** |
| 550 | 30 | COMBI3 | 60 | 4.2 | 3.2 | 15° | ATB 10° | 1 | | **285.060.22M** |
| 600 | 30 | 2/10/60 | 66 | 4.2 | 3.2 | 15° | ATB 10° | 1 | | **285.066.24M** |
| 700 | 30 | 2/10/60 | 72 | 4.4 | 3.2 | 10° | ATB 15° | 1 | | **285.072.28M** |

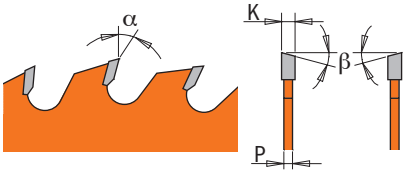
CMT ORANGE TOOLS®

# 285-291 INDUSTRIAL

HW

PERFORMANCE

WOOD




## MACHINES

CIRCULAR SAW

MITRE SAW

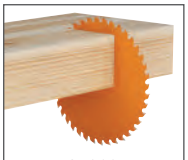
SLIDE MITRE SAW

STATIONARY TABLE

*Blade diameter compatibility is contingent on machine type.*

## APPLICATIONS

RIPS


CROSS

## MATERIALS

WOOD

OSB

PLYWOOD

| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | APPLICATIONS | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|---|
| 120 | 20 | 2/5.5/30 | 18 | 1.8 | 1.2 | 15° | ATB 15° | General Purpose | 10 | 291.120.18H |
| 125 | 20 | - | 20 | 2.4 | 1.4 | 15° | ATB 15° | General Purpose | 10 | 291.125.20H |
| 130 | 20 | - | 20 | 2.4 | 1.4 | 15° | ATB 15° | General Purpose | 10 | 291.130.20H |
| 140 | 20 | - | 20 | 2.4 | 1.4 | 15° | ATB 15° | General Purpose | 10 | 291.140.20H |
| 150 | 20 (+16) | - | 24 | 2.4 | 1.4 | 15° | ATB 15° | General Purpose | 10 | 291.150.24H |
| 160 | 20 | 2/6/32 | 24 | 2.2 | 1.6 | 15° | ATB 15° | General Purpose | 10 | 291.160.24H ● |
| 160 | 20 | 2/6/32 | 28 | 2.2 | 1.6 | 15° | ATB 10° | General Purpose | 10 | 285.160.28H ● |
| 160 | 30 (+16) | 2/7/42 | 24 | 2.2 | 1.6 | 15° | ATB 15° | General Purpose | 10 | 291.160.24M |
| 165 | 20 | 2/6/32 | 24 | 2.2 | 1.6 | 15° | ATB 15° | General Purpose | 10 | 291.165.24H |
| 165 | 30 | 2/7/42 | 24 | 2.6 | 1.6 | 15° | ATB 15° | General Purpose | 10 | 291.165.24M |
| 170 | 30 | 2/7/42 | 24 | 2.6 | 1.6 | 20° | ATB 10° | General Purpose | 10 | 291.170.24M |
| 180 | 20 | 2/6/32 | 24 | 2.6 | 1.6 | 20° | ATB 10° | General Purpose | 10 | 291.180.24H |
| 180 | 30 | 2/7/42 | 24 | 2.6 | 1.6 | 20° | ATB 10° | General Purpose | 10 | 291.180.24M |
| 184 | 16 | - | 24 | 2.6 | 1.6 | 20° | ATB 10° | General Purpose | 10 | 291.184.24E |
| 184 | 30 | - | 24 | 2.6 | 1.6 | 20° | ATB 10° | General Purpose | 10 | 291.184.24M |
| 190 | 16 | 2/6/32 | 24 | 2.6 | 1.6 | 20° | ATB 10° | General Purpose | 10 | 291.190.24E |
| 190 | 20 | 2/6/32 | 24 | 2.6 | 1.6 | 20° | ATB 10° | General Purpose | 10 | 291.190.24H |
| 190 | 30 | 2/7/42 | 24 | 2.6 | 1.6 | 20° | ATB 10° | General Purpose | 10 | 291.190.24M |
| 190 | 20 (FESTOOL® FF) | Key 5/7/2.5 | 32 | 2.6 | 1.8 | 10° | ATB 10° | General Purpose | 10 | 291.190.32FF ● |
| 200 | 30 | 2/7/42 | 36 | 2.8 | 1.8 | 15° | ATB 15° | General Purpose | 10 | 291.200.36M |
| 200 | 30 | COMBI3 | 36 | 3.2 | 2.2 | 15° | ATB 10° | General Purpose | 10 | 285.036.08M |
| 210 | 25 | - | 36 | 2.8 | 1.8 | 15° | ATB 15° | General Purpose | 5 | 291.210.36L ■ |
| 210 | 30 | 2/7/42 | 36 | 2.8 | 1.8 | 15° | ATB 15° | General Purpose | 10 | 291.210.36M ● |
| 216 | 30 | 2/7/42 | 48 | 2.8 | 1.8 | -5° | ATB 15° | Finish | 10 | 291.216.48M ● |
| 220 | 30 | 2/7/42 | 36 | 2.8 | 1.8 | 15° | ATB 15° | General Purpose | 10 | 291.220.36M |
| 225 | 30 | 2/7/42 | 36 | 2.8 | 1.8 | 20° | ATB 15° | General Purpose | 10 | 291.225.36M ● |
| 230 | 30 | 2/7/42 | 36 | 2.8 | 1.8 | 15° | ATB 15° | General Purpose | 10 | 291.230.36M ● |
| 235 | 25 | - | 36 | 2.8 | 1.8 | 15° | ATB 15° | General Purpose | 5 | 291.235.36L ■ |
| 235 | 30 | 2/7/42 | 36 | 2.8 | 1.8 | 15° | ATB 15° | General Purpose | 10 | 291.235.36M |
| 240 | 30 | 2/7/42 | 36 | 2.8 | 1.8 | 15° | ATB 15° | General Purpose | 10 | 291.240.36M |
| 260 | 30 | COMBI3 | 48 | 2.8 | 1.8 | 15° | ATB 10° | General Purpose | 5 | 285.048.11M ● |
| 270 | 30 | COMBI3 | 42 | 2.8 | 1.8 | 15° | ATB 10° | General Purpose | 5 | 291.270.42M |

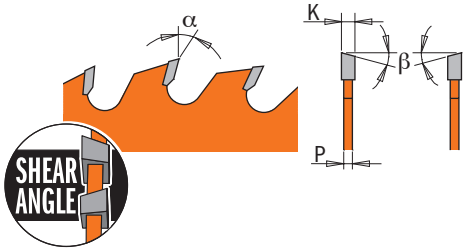
● Ideal for FESTOOL® & others

■ *While supplies last*

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

CMT ORANGE TOOLS®

## 271 ITK PLUS®




HW

PERFORMANCE

WOOD

## MACHINES

CORDLESS CIRCULAR SAW

CIRCULAR SAW

MITRE SAW

SLIDE MITRE SAW

RADIAL ARM

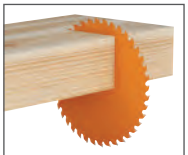
STATIONARY TABLE

BATTERY SAVER

*Blade diameter compatibility is contingent on machine type.*

## APPLICATIONS

RIPS


CROSS

## MATERIALS

WOOD

OSB

PLYWOOD

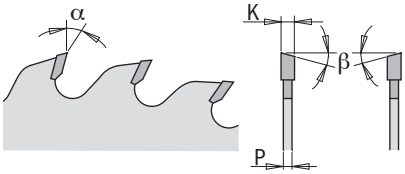
| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | SHEAR ANGLE | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|---|
| 136 | 20 (+10) | - | 18 | 1.5 | 1.0 | 20° | ATB 10° | 8° | 10 | **271.136.18H** |
| 140 | 20 | 2/6/32.5 | 24 | 1.8 | 1.2 | 15° | ATB 15° | 8° | 10 | **271.140.24H** |
| 150 | 20 (+16) | - | 24 | 1.5 | 1.0 | 18° | ATB 10° | 8° | 10 | **271.150.24H** |
| 160 | 20 (+16) | 2/6/32 | 24 | 1.8 | 1.2 | 18° | ATB 10° | 8° | 10 | **271.160.24H** |
| 165 | 20 (+15.88) | 2/6/32 | 24 | 1.7 | 1.1 | 18° | ATB 10° | 8° | 10 | **271.165.24H** |
| 165 | 30 | 2/7/42 | 24 | 1.7 | 1.1 | 18° | ATB 10° | 8° | 10 | **271.165.24M** |
| 168 | 20 | - | 28 | 1.8 | 1.2 | 15° | ATB 15° | 8° | 10 | **271.168.28H** ● |
| 184 | 20 (+16+15.88) | 2/7/42 | 24 | 1.7 | 1.1 | 20° | ATB 10° | 8° | 10 | **271.184.24H** |
| 184 | 30 | 2/7/42 | 24 | 1.7 | 1.1 | 20° | ATB 10° | 8° | 10 | **271.184.24M** |
| 190 | 30 (+20+16) | 2/7/42 | 24 | 1.7 | 1.1 | 20° | ATB 10° | 8° | 10 | **271.190.24M** |
| 200 | 30 | 2/7/42 | 36 | 1.8 | 1.2 | 15° | ATB 10° | 8° | 10 | **271.200.36M** |
| 210 | 30 (+25) | 2/7/42 | 24 | 1.8 | 1.2 | 20° | ATB 10° | 8° | 10 | **271.210.24M** |
| 210 | 30 (+25) | 2/7/42 | 36 | 1.8 | 1.2 | 15° | ATB 10° | 8° | 10 | **271.210.36M** |
| 216 | 30 | 2/7/42 | 36 | 1.8 | 1.2 | -5° | ATB 10° | 8° | 10 | **271.216.36M** ■ |
| 235 | 25 | - | 36 | 1.7 | 1.2 | 20° | FTG+ATB 15° | - | 10 | **271.235.36L** ■ |
| 235 | 30 (+25) | 2/7/42 | 36 | 2.4 | 1.6 | 18° | ATB 10° | 8° | 10 | **271.235.36M** |
| 250 | 30 | COMBI3 | 42 | 2.4 | 1.6 | 18° | ATB 10° | 8° | 10 | **271.250.42M** |
| 300 | 30 | COMBI3 | 48 | 2.6 | 1.8 | 18° | ATB 10° | 8° | 5 | **271.300.48M** |
| 305 | 30 | COMBI3 | 48 | 2.6 | 1.8 | -5° | ATB 10° | - | 5 | **271.305.48M** |
| 315 | 30 | COMBI3 | 54 | 2.6 | 1.8 | -5° | ATB 10° | - | 5 | **271.315.54M** |

● Ideal for **FESTOOL®** & others

■ *While supplies last*

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

## 285 ORANGE CHROME®




HW

PERFORMANCE

WOOD

NOISE/VIBRATION REDUCTION

CMT XTREME BALANCING®

### MACHINES

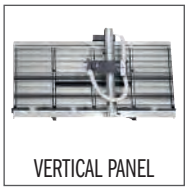
CIRCULAR SAW

MITRE SAW

SLIDE MITRE SAW

RADIAL ARM

STATIONARY TABLE


VERTICAL PANEL

*Blade diameter compatibility is contingent on machine type.*

### APPLICATIONS

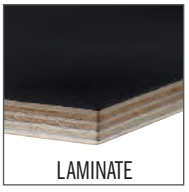
CROSS

### MATERIALS

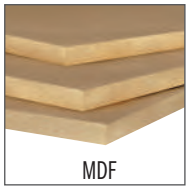
HARDWOOD

PLYWOOD

MELAMINE


LAMINATE

CHIPBOARD

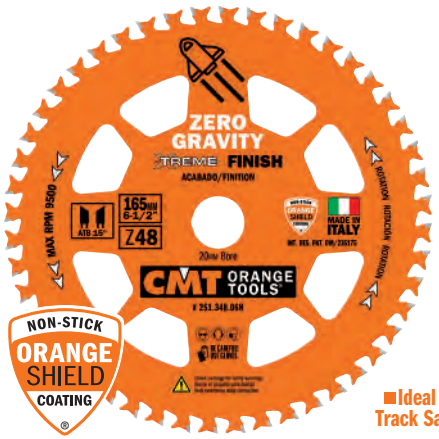

MDF

*For specific details regarding suggested materials, please check blade label.*

| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|
| 216 | 30 | 2/7/42 | 48 | 2.3 | 1.6 | -5° | ATB 15° | 1 | **285.816.48M** ● |
| 225 | 30 | 2/7/42 | 48 | 2.6 | 1.8 | 10° | ATB 15° | 1 | **285.825.48M** ● |
| 250 | 30 | COMBI3 | 60 | 3.2 | 2.2 | 10° | ATB 15° | 1 | **285.660.10M** |
| 260 | 30 | COMBI3 | 60 | 2.5 | 1.8 | -5° | ATB 10° | 1 | **285.860.11M** ● |
| 300 | 30 | COMBI3 | 72 | 3.2 | 2.2 | 10° | ATB 15° | 1 | **285.672.12M** |
| 350 | 30 | COMBI3 | 84 | 3.5 | 2.5 | 10° | ATB 15° | 1 | **285.684.14M** |
| 400 | 30 | COMBI3 | 96 | 3.5 | 2.5 | 10° | ATB 15° | 1 | **285.696.16M** |

new

● Ideal for **FESTOOL®** & others




■ Ideal for Track Saws

## 251 XTREME FINISH

## ZERO GRAVITY

HW

PERFORMANCE

WOOD

BATTERY SAVER

### MACHINES

CIRCULAR SAW

CORDLESS CIRCULAR SAW

### MATERIALS

WOOD

PLYWOOD

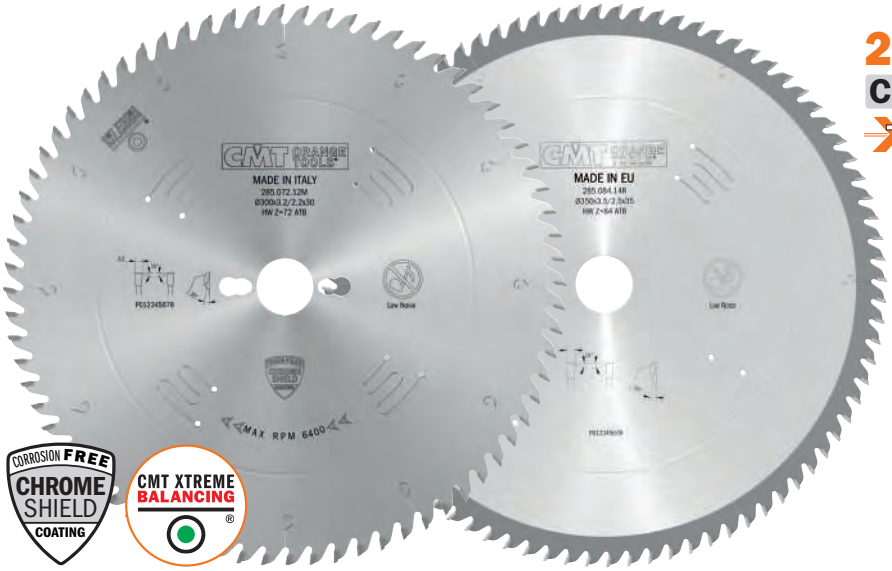
**IDEAL FOR:**
OSB, MELAMINE, PRESSURE TREATED, PVC/VYNIL FENCING/SIDING.

| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|
| 165 | 20 (+5/8") | - | 48 | 1.8 | 1.2 | 10° | ATB 15° | 1 | **251.348.06H** ■ |



® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

CMT ORANGE TOOLS®

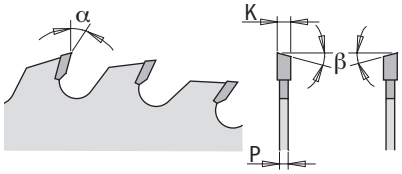



# 285-294-295

## CHROME SHIELD XTREME

HW

**WOOD**

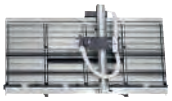



## MACHINES

MITRE SAW

RADIAL ARM

STATIONARY TABLE


VERTICAL PANEL

*Blade diameter compatibility is contingent on machine type.*

## APPLICATIONS

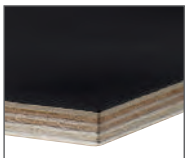
CROSS

## MATERIALS

HARDWOOD

PLYWOOD

MELAMINE


LAMINATE

CHIPBOARD

MDF

*For specific details regarding suggested materials, please check blade label.*

| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | | CHROME SHIELD ORDER NO. ★★★★★ | XTREME ORDER NO. ★★★★☆ |
|---|---|---|---|---|---|---|---|---|---|---|
| 250 | 30 | COMBI3 | 60 | 3.2 | 2.2 | 10° | ATB 15° | 1 | **285.060.10M** | |
| 250 | 35 | - | 60 | 3.2 | 2.2 | 10° | ATB 15° | 1 | | **285.060.10R** |
| 254 | 30 | COMBI3 | 60 | 2.4 | 1.8 | -5° | ATB 15° | 1 | **294.060.10M** | |
| 280* | 30 | COMBI3 | 64 | 2.8 | 1.8 | 10° | ATB 15° | 1 | | **295.064.11M** |
| 300 | 30 | COMBI3 | 60 | 3.2 | 2.2 | 15° | ATB 10° | 1 | **285.060.12M** | |
| 300 | 30 | COMBI3 | 72 | 3.2 | 2.2 | 10° | ATB 15° | 1 | **285.072.12M** | |
| 300 | 35 | - | 72 | 3.2 | 2.2 | 10° | ATB 15° | 1 | | **285.072.12R** |
| 305 | 30 | COMBI3 | 72 | 3.2 | 2.2 | 10° | ATB 15° | 1 | **285.072.22M** | |
| 305 | 30 | COMBI3 | 72 | 3.2 | 2.2 | -5° | ATB 15° | 1 | **294.072.22M** | |
| 315 | 30 | COMBI3 | 72 | 3.2 | 2.2 | 15° | ATB 10° | 1 | **285.072.13M** | |
| 350 | 30 | COMBI3 | 72 | 3.5 | 2.5 | 15° | ATB 10° | 1 | **285.072.14M** | |
| 350 | 30 | COMBI3 | 84 | 3.5 | 2.5 | 10° | ATB 15° | 1 | **285.084.14M** | |
| 350 | 35 | - | 84 | 3.5 | 2.5 | 10° | ATB 15° | 1 | | **285.084.14R** |
| 400 | 30 | COMBI3 | 96 | 3.5 | 2.5 | 10° | ATB 15° | 1 | **285.096.16M** | |
| 450 | 30 | COMBI3 | 66 | 3.8 | 2.8 | 10° | ATB 15° | 1 | | **285.066.18M** |
| 500 | 30 | 2/10/60 | 72 | 3.8 | 2.8 | 10° | ATB 15° | 1 | | **285.072.20M** |
| 550 | 30 | COMBI3 | 96 | 4.2 | 3.2 | 10° | ATB 15° | 1 | | **285.096.22M** |

*Non-Silent Blades

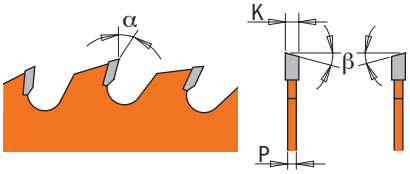
CMT ORANGE TOOLS®

# 285-292-294 INDUSTRIAL

HW

PERFORMANCE

WOOD




## MACHINES

CIRCULAR SAW

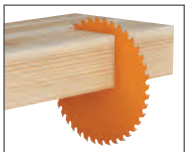
MITRE SAW

SLIDE MITRE SAW

STATIONARY TABLE

*Blade diameter compatibility is contingent on machine type.*

## APPLICATIONS


CROSS

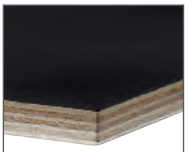
## MATERIALS

WOOD

OSB

PLYWOOD

MELAMINE


LAMINATE

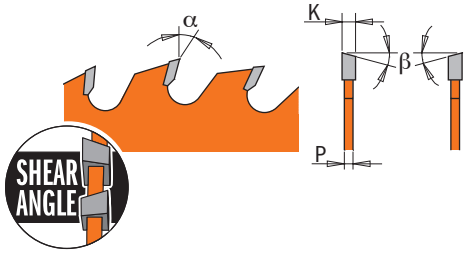
| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | APPLICATIONS | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|---|
| 120 | 20 | 2/5.5/30 | 40 | 1.8 | 1.2 | 10° | ATB 15° | Fine Finish | 10 | 292.120.40H |
| 125 | 20 | - | 36 | 2.4 | 1.4 | 15° | ATB 15° | Fine Finish | 10 | 292.125.36H |
| 130 | 20 | - | 36 | 2.4 | 1.4 | 15° | ATB 15° | Fine Finish | 10 | 292.130.36H |
| 140 | 20 | - | 36 | 2.4 | 1.4 | 15° | ATB 15° | Fine Finish | 10 | 292.140.36H |
| 150 | 20 | - | 40 | 2.4 | 1.4 | 15° | ATB 15° | Fine Finish | 10 | 292.150.40H |
| 150 | 30 | 2/7/42 | 48 | 3.2 | 2.2 | 5° | ATB 15° | Fine Finish | 10 | 285.048.06M |
| 160 | 20 | 2/6/32 | 40 | 2.2 | 1.6 | 10° | ATB 15° | Finish | 10 | 292.160.40H ● |
| 160 | 30 | 2/7/42 | 40 | 2.2 | 1.6 | 10° | ATB 15° | Finish | 10 | 292.160.40M ● |
| 160 | 20 | 2/6/32 | 48 | 2.2 | 1.6 | 5° | ATB 15° | Fine Finish | 10 | 285.160.48H ● |
| 165 | 20 | 2/6/32 | 40 | 2.2 | 1.6 | 10° | ATB 15° | Finish | 10 | 292.165.40H |
| 165 | 30 | 2/7/42 | 40 | 2.6 | 1.6 | 10° | ATB 15° | Finish | 10 | 292.165.40M |
| 170 | 30 | 2/7/42 | 40 | 2.6 | 1.6 | 15° | ATB 15° | Finish | 10 | 292.170.40M |
| 180 | 20 | 2/6/32 | 40 | 2.6 | 1.6 | 15° | ATB 15° | Finish | 10 | 292.180.40H |
| 180 | 30 | 2/7/42 | 40 | 2.6 | 1.6 | 15° | ATB 15° | Finish | 10 | 292.180.40M |
| 180 | 30 | 2/7/42 | 56 | 3.2 | 2.2 | 5° | ATB 15° | Fine Finish | 10 | 285.056.07M |
| 184 | 16 | - | 40 | 2.6 | 1.6 | 15° | ATB 15° | Finish | 10 | 292.184.40E |
| 184 | 30 | - | 40 | 2.6 | 1.6 | 15° | ATB 15° | Finish | 10 | 292.184.40M |
| 190 | 20 (+16) | 2/6/32 | 40 | 2.6 | 1.6 | 15° | ATB 15° | Finish | 10 | 292.190.40H |
| 190 | 30 | 2/7/42 | 40 | 2.6 | 1.6 | 15° | ATB 15° | Finish | 10 | 292.190.40M |
| 190 | 20 (FESTOOL® FF) | Key 5/7/2.5 | 48 | 2.4 | 1.8 | 10° | ATB 15° | Fine Finish | 10 | 292.190.48FF ● |
| 200 | 30 | 2/7/42 | 48 | 2.8 | 1.8 | 15° | ATB 15° | Finish | 10 | 292.200.48M |
| 200 | 30 | COMBI3 | 48 | 3.2 | 2.2 | 15° | ATB 15° | Finish | 10 | 285.048.08M |
| 210 | 25 | - | 48 | 2.8 | 1.8 | 15° | ATB 15° | Finish | 5 | 292.210.48L ■ |
| 210 | 30 | 2/7/42 | 48 | 2.8 | 1.8 | 15° | ATB 15° | Finish | 10 | 292.210.48M ● |
| 216 | 30 | 2/7/42 | 64 | 2.8 | 1.8 | -5° | ATB 15° | Fine Finish | 10 | 292.216.64M ● |
| 220 | 30 | 2/7/42 | 48 | 2.8 | 1.8 | 15° | ATB 15° | Finish | 10 | 292.220.48M |
| 225 | 30 | 2/7/42 | 48 | 2.8 | 1.8 | 10° | ATB 15° | Finish | 10 | 292.225.48M ● |
| 230 | 30 | 2/7/42 | 48 | 2.8 | 1.8 | 15° | ATB 15° | Finish | 10 | 292.230.48M ● |
| 235 | 25 | - | 48 | 2.8 | 1.8 | 15° | ATB 15° | Finish | 5 | 292.235.48L ■ |
| 235 | 30 | 2/7/42 | 48 | 2.8 | 1.8 | 15° | ATB 15° | Finish | 10 | 292.235.48M |
| 240 | 30 | 2/7/42 | 48 | 2.8 | 1.8 | 15° | ATB 15° | Finish | 10 | 292.240.48M |
| 260 | 30 | COMBI3 | 60 | 2.8 | 1.8 | 10° | ATB 15° | Finish | 5 | 285.060.11M ● |
| 260 | 30 | COMBI3 | 60 | 2.5 | 1.8 | -5° | ATB 15° | Finish | 5 | 294.060.11M ● |

● Ideal for FESTOOL® & others

■ *While supplies last*

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

## 272 ITK PLUS®




HW

PERFORMANCE

WOOD

## MACHINES

MINI CORDLESS CIRCULAR SAW

CORDLESS CIRCULAR SAW

CIRCULAR SAW

MITRE SAW

SLIDE MITRE SAW

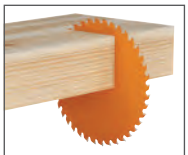
PORTABLE TABLE SAW

STATIONARY TABLE

BATTERY SAVER

*Blade diameter compatibility is contingent on machine type.*

## APPLICATIONS


CROSS

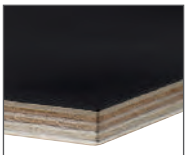
## MATERIALS

WOOD

OSB

PLYWOOD

MELAMINE


LAMINATE

| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | SHEAR ANGLE | APPLICATIONS | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 115 | 9.5 | - | 24 | 1.5 | 1.0 | 20° | ATB 10° | 8° | Finish | 10 | 272.115.24 |
| 136 | 20 (+10) | - | 36 | 1.5 | 1.0 | 18° | ATB 10° | 8° | Fine Finish | 10 | 272.136.36H |
| 140 | 20 | 2/6/32.5 | 42 | 1.8 | 1.2 | 5° | ATB 15° | 8° | Fine Finish | 10 | 272.140.42H |
| 150 | 20 (+16) | - | 40 | 1.5 | 1.0 | 16° | ATB 10° | 8° | Fine Finish | 10 | 272.150.40H |
| 160 | 20 (+16) | 2/6/32 | 40 | 1.8 | 1.2 | 16° | ATB 10° | 8° | Finish | 10 | 272.160.40H ● |
| 165 | 20 (+15.88) | 2/6/32 | 36 | 1.7 | 1.1 | 20° | ATB 10° | 8° | Finish | 10 | 272.165.36H |
| 168 | 20 | - | 42 | 1.8 | 1.2 | 10° | ATB 15° | 8° | Finish | 10 | 272.168.42H ● |
| 184 | 20 | 2/7/42 | 40 | 1.7 | 1.1 | 18° | ATB 10° | 8° | Finish | 10 | 272.184.40H |
| 184 | 30 | 2/7/42 | 40 | 1.7 | 1.1 | 18° | ATB 10° | 8° | Finish | 10 | 272.184.40M |
| 190 | 30 (+20+16) | 2/7/42 | 42 | 1.7 | 1.1 | 18° | ATB 10° | 8° | Finish | 10 | 272.190.42M |
| 200 | 30 | 2/7/42 | 48 | 1.8 | 1.2 | 15° | ATB 10° | 8° | Finish | 10 | 272.200.48M |
| 210 | 30 (+25) | 2/7/42 | 48 | 1.8 | 1.2 | 15° | ATB 10° | 8° | Finish | 10 | 272.210.48M ● |
| 216 | 30 | 2/7/42 | 48 | 1.8 | 1.2 | -5° | ATB 10° | 8° | Finish | 10 | 272.216.48M ● |
| 235 | 30 (+25) | 2/7/42 | 48 | 2.4 | 1.6 | 12° | ATB 10° | 8° | Finish | 10 | 272.235.48M |
| 250* | 30 | COMBI 3 | 50 | 2.4 | 1.6 | 15° | 4 ATB 10°+ 1 FLAT | 8° | Finish | 10 | 272.250.50M |
| 250 | 30 | COMBI 3 | 60 | 2.4 | 1.6 | 15° | ATB 10° | 8° | Finish | 10 | 272.250.60M |
| 300 | 30 | COMBI 3 | 72 | 2.6 | 1.8 | 15° | ATB 10° | 8° | Finish | 5 | 272.300.72M |
| 305 | 30 | COMBI 3 | 72 | 2.6 | 1.8 | -5° | ATB 10° | 8° | Finish | 5 | 272.305.72M |

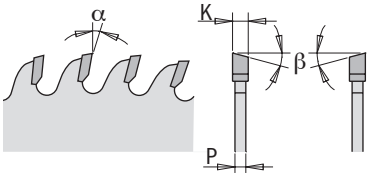
*with Antikick-back

● Ideal for FESTOOL® & others

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

CMT ORANGE TOOLS®

# 285 ORANGE CHROME®



WOOD

## MACHINES

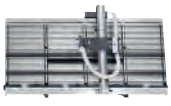
CIRCULAR SAW

MITRE SAW

SLIDE MITRE SAW

RADIAL ARM

STATIONARY TABLE


VERTICAL PANEL

*Blade diameter compatibility is contingent on machine type.*

## APPLICATIONS

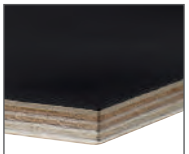
CROSS

## MATERIALS

HARDWOOD

PLYWOOD

MELAMINE


LAMINATE

CHIPBOARD

MDF

*For specific details regarding suggested materials, please check blade label.*

| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|
| 160 | 20 | 2/6/32 | 48 | 2.2 | 1.6 | 5° | ATB 12° | 1 | **285.760.48H** ● |
| 160 | 20 | 2/6/32 | 48 | 1.8 | 1.2 | 5° | ATB 12° | 1 | **285.761.48H** ● ■ |
| 168 | 20 | 2/6/32 | 48 | 1.8 | 1.2 | 5° | ATB 12° | 1 | **285.768.48H** ● ■ |
| 190 | 20 (FESTOOL® FF) | Key 5/7/2.5 | 48 | 2.4 | 1.8 | 8° | ATB 15° | 1 | **285.790.48FF** ● |
| 216 | 30 | 2/7/42 | 60 | 2.3 | 1.6 | -5° | ATB 15° | 1 | **285.816.60M** ● |
| 250 | 30 | COMBI3 | 80 | 3.2 | 2.2 | 5° | ATB 15° | 1 | **285.680.10M** |
| 300 | 30 | COMBI3 | 96 | 3.2 | 2.2 | 5° | ATB 15° | 1 | **285.696.12M** |
| 350 | 30 | COMBI3 | 108 | 3.5 | 2.5 | 5° | ATB 15° | 1 | **285.708.14M** |

● Ideal for FESTOOL® & others

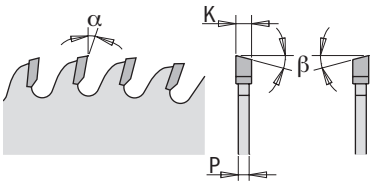
■ Thin Kerf = Battery Saver

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

# 285
## CHROME SHIELD
XTREME

HW

**WOOD**




## MACHINES

MITRE SAW

RADIAL ARM

STATIONARY TABLE

VERTICAL PANEL

*Blade diameter compatibility is contingent on machine type.*

## APPLICATIONS

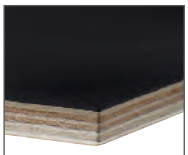
CROSS

## MATERIALS

HARDWOOD

PLYWOOD

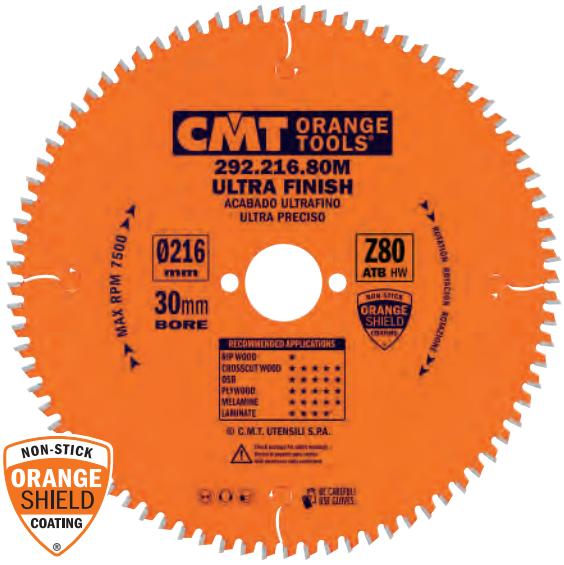
MELAMINE


LAMINATE

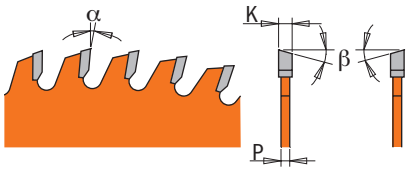
CHIPBOARD

MDF

| | | | | | | | | | CHROME SHIELD ★★★★★ ORDER NO. | XTREME ★★★★☆ ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|---|
| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | | | |
| 250 | 30 | COMBI3 | 80 | 3.2 | 2.2 | 5° | ATB 15° | 1 | **285.080.10M** | |
| 250 | 35 | - | 80 | 3.2 | 2.2 | 5° | ATB 15° | 1 | | **285.080.10R** |
| 300 | 30 | COMBI3 | 96 | 3.2 | 2.2 | 5° | ATB 15° | 1 | **285.096.12M** | |
| 300 | 35 | COMBI3 | 96 | 3.2 | 2.2 | 5° | ATB 15° | 1 | | **285.096.12R** |
| 350 | 30 | COMBI3 | 108 | 3.5 | 2.5 | 5° | ATB 15° | 1 | **285.108.14M** | |
| 350 | 35 | - | 108 | 3.5 | 2.5 | 5° | ATB 15° | 1 | | **285.108.14R** |
| 400 | 30 | COMBI3 | 120 | 3.5 | 2.5 | 10° | ATB 15° | 1 | **285.120.16M** | |




# 285-292-294 INDUSTRIAL




HW

PERFORMANCE

WOOD

## MACHINES

CIRCULAR SAW

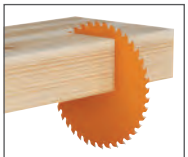
MITRE SAW

SLIDE MITRE SAW

STATIONARY TABLE

*Blade diameter compatibility is contingent on machine type.*

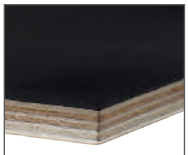
## APPLICATIONS


CROSS

## MATERIALS

PLYWOOD

MELAMINE


LAMINATE

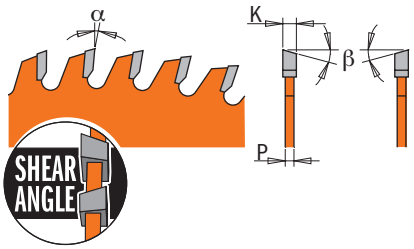
| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|
| 160 | 20 | 2/6/32 | 56 | 2.2 | 1.6 | 15° | ATB 15° | 10 | **292.160.56H** ● |
| 165 | 20 | 2/6/32 | 56 | 2.2 | 1.6 | 15° | ATB 15° | 10 | **292.165.56H** |
| 190 | 30 | 2/7/42 | 64 | 2.6 | 1.6 | 15° | ATB 15° | 10 | **292.190.64M** |
| 200 | 30 | COMBI3 | 64 | 3.2 | 2.2 | 5° | ATB 15° | 10 | **285.064.08M** |
| 210 | 30 | 2/7/42 | 64 | 2.8 | 1.8 | 15° | ATB 15° | 10 | **292.210.64M** ● |
| 216 | 30 | 2/7/42 | 80 | 2.8 | 1.8 | -5° | ATB 15° | 10 | **292.216.80M** ● |
| 230 | 30 | 2/7/42 + 2/10/60 | 64 | 2.8 | 1.8 | 15° | ATB 15° | 10 | **292.230.64M** ● |
| 260 | 30 | COMBI3 | 80 | 2.5 | 1.8 | -5° | ATB 15° | 5 | **294.080.11M** ● |

● Ideal for **FESTOOL®** & others



® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

# 273 ITK PLUS®




HW

PERFORMANCE

WOOD

## MACHINES

CORDLESS CIRCULAR SAW

CIRCULAR SAW

MITRE SAW

SLIDE MITRE SAW

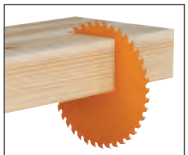
RADIAL ARM

STATIONARY TABLE

BATTERY SAVER

*Blade diameter compatibility is contingent on machine type.*

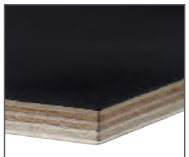
## APPLICATIONS


CROSS

## MATERIALS

PLYWOOD

MELAMINE


LAMINATE

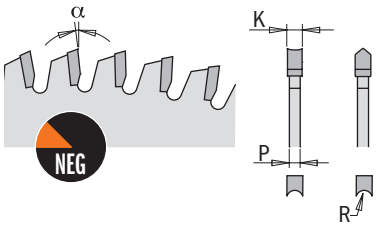
*For specific details regarding suggested materials, please check blade label.*

| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | SHEAR ANGLE | APPLICATIONS | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 50 | 10 | - | 20 | 1.1 | 0.8 | 15° | ATB 10° | 8° | Ultra Finish | 10 | 273.050.20D ● |
| 80 | 10 | - | 36 | 1.6 | 1.0 | 15° | ATB 10° | 8° | Ultra Finish | 10 | 273.080.36D ● |
| 160 | 20 (+16) | 2/6/32 | 56 | 1.8 | 1.2 | 12° | ATB 10° | 8° | Ultra Finish | 10 | 273.160.56H ● |
| 165 | 20 (+15.88) | 2/6/32 | 56 | 1.6 | 1.0 | 12° | ATB 15° | 8° | Ultra Finish | 10 | 273.165.56H |
| 190 | 20 (+15.88) | 2/7/42 | 64 | 1.7 | 1.1 | 15° | ATB 10° | 8° | Ultra Finish | 10 | 273.190.64M |
| 216 | 30 | 2/7/42 | 64 | 1.8 | 1.2 | -5° | ATB 10° | 8° | Fine Finish | 10 | 273.216.64M ● |
| 250 | 30 | COMBI3 | 80 | 2.4 | 1.6 | 12° | ATB 10° | 8° | Fine Finish | 10 | 273.250.80M |
| 300 | 30 | COMBI3 | 96 | 2.6 | 1.8 | 12° | ATB 10° | 8° | Fine Finish | 5 | 273.300.96M |

● Ideal for **PROXXON®** (Materials: Wood, Plastics, Non-Ferrous)
● Ideal for **FESTOOL®** & others

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

## 287 XTREME




HW

PERFORMANCE

WOOD

## MACHINES

MITRE SAW

STATIONARY TABLE

SQUARING

VERTICAL PANEL

*Blade diameter compatibility is contingent on machine type.*

## APPLICATIONS

CROSS

## MATERIALS

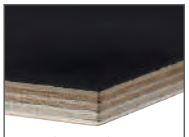
HARDWOOD

SOFTWOOD

PLYWOOD

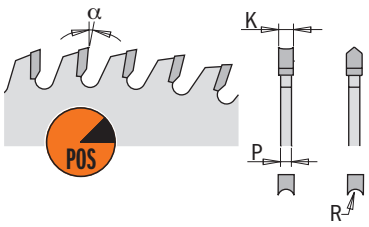
VENEERED PLYWOOD

DOUBLE SIDED MELAMINE


DOUBLE SIDED LAMINATE

| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|
| 220 | 30 | 2/7/42 | 42 | 3.2 | 2.2 | -6° | HDF | 1 | **287.043.09M** |
| 250 | 30 | COMBI3 | 48 | 3.2 | 2.2 | -6° | HDF | 1 | **287.049.10M** |
| 303 | 30 | COMBI3 | 60 | 3.2 | 2.2 | -6° | HDF | 1 | **287.061.12M** |

## 287 XTREME




HW

PERFORMANCE

WOOD

## MACHINES

CIRCULAR SAW

MITRE SAW

STATIONARY TABLE

SQUARING

VERTICAL PANEL

*Blade diameter compatibility is contingent on machine type.*

## APPLICATIONS

CROSS

## MATERIALS

HARDWOOD

SOFTWOOD

PLYWOOD

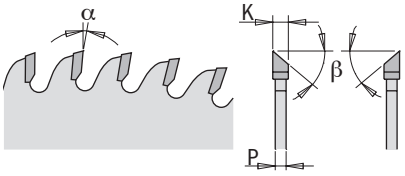
VENEERED PLYWOOD

DOUBLE SIDED
MELAMINE

DOUBLE SIDED
LAMINATE

| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|
| 160 | 20 | 2/6/32 | 34 | 2.6 | 1.8 | 10° | HDF | 1 | **287.034.06H** |
| 220 | 30 | 2/7/42 | 42 | 3.2 | 2.2 | 10° | HDF | 1 | **287.042.09M** |
| new 220 | 30 | 2/7/42 | 48 | 3.3 | 2.2 | 5° | HDF | 1 | **287.048.09M** |
| 250 | 30 | COMBI3 | 48 | 3.2 | 2.2 | 10° | HDF | 1 | **287.048.10M** |
| new 250 | 30 | COMBI3 | 60 | 3.3 | 2.2 | 5° | HDF | 1 | **287.060.10M** |
| new 300 | 30 | COMBI3 | 72 | 3.3 | 2.2 | 5° | HDF | 1 | **287.072.12M** |
| 303 | 30 | COMBI3 | 60 | 3.2 | 2.2 | 10° | HDF | 1 | **287.060.12M** |

## 283.6 ORANGE CHROME®



**WOOD**

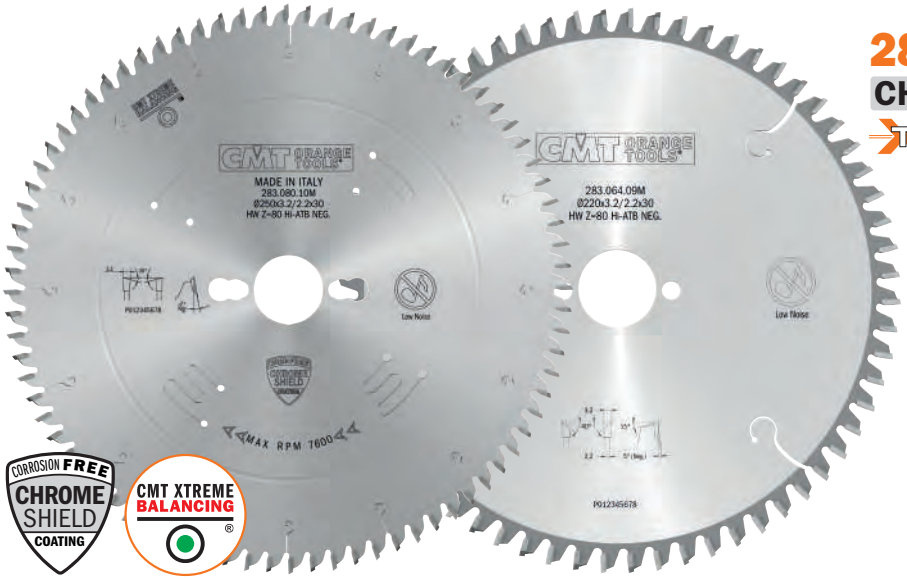
## MACHINES

*Blade diameter compatibility is contingent on machine type.*

## APPLICATIONS

## MATERIALS

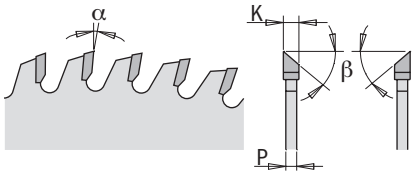
| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|
| 250 | 30 | COMBI3 | 80 | 3.2 | 2.2 | -2° | Hi-ATB 38° | 1 | **283.680.10M** |
| 300 | 30 | COMBI3 | 96 | 3.2 | 2.2 | 2° | Hi-ATB 38° | 1 | **283.696.12M** |




# 283
## CHROME SHIELD XTREME

HW

**WOOD**




## MACHINES

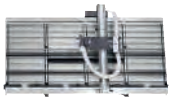
MITRE SAW

SLIDE MITRE SAW

RADIAL ARM

STATIONARY TABLE

SQUARING


VERTICAL PANEL

*Blade diameter compatibility is contingent on machine type.*

## APPLICATIONS

CROSS

## MATERIALS

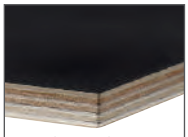
HARDWOOD

SOFTWOOD

PLYWOOD

VENEERED PLYWOOD

DOUBLE SIDED MELAMINE


DOUBLE SIDED LAMINATE

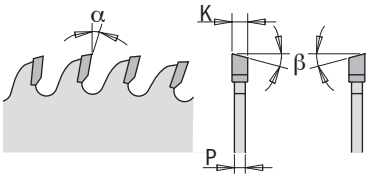
CHROME SHIELD XTREME

| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | | ORDER NO. ★★★★★ | ORDER NO. ★★★★☆ |
|---|---|---|---|---|---|---|---|---|---|---|
| 220* | 30 | 2/7/42 | 64 | 3.2 | 2.2 | -5° | Hi-ATB 40° | 1 | | **283.064.09M** |
| 250 | 30 | COMBI3 | 80 | 3.2 | 2.2 | -2° | Hi-ATB 38° | 1 | **283.080.10M** | |
| 300 | 30 | COMB4 | 96 | 4.2 | 3.2 | 2° | Hi-ATB 38° | 1 | **283.096.12M** | |
| 350 | 30 | COMBI3 | 108 | 3.5 | 2.5 | 5° | Hi-ATB 38° | 1 | **283.108.14M** | |

*Non-Silent Blades

CMT ORANGE TOOLS®

## 285.5 ORANGE CHROME®



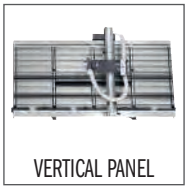
**WOOD**

## MACHINES

MITRE SAW

RADIAL ARM

STATIONARY TABLE


VERTICAL PANEL

*Blade diameter compatibility is contingent on machine type.*

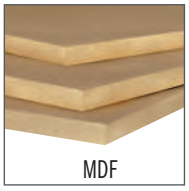
## APPLICATIONS

CROSS

## MATERIALS

HARDWOOD

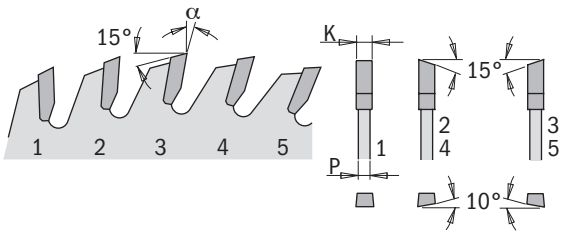
PLYWOOD


MDF

MOLDING

| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|
| 250 | 30 | COMBI3 | 80 | 3.0 | 2.5 | 10° | ATB 20° | 1 | **285.580.10M** |
| 300 | 30 | COMBI3 | 96 | 3.0 | 2.5 | 10° | ATB 20° | 1 | **285.596.12M** |

## 274 XTREME




HW

PERFORMANCE

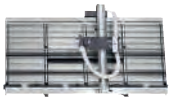
WOOD

## MACHINES

MITRE SAW

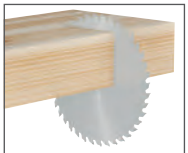
RADIAL ARM

STATIONARY TABLE


VERTICAL PANEL

*Blade diameter compatibility is contingent on machine type.*

## APPLICATIONS


CROSS

## MATERIALS

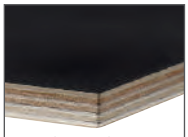
HARDWOOD

SOFTWOOD

PLYWOOD

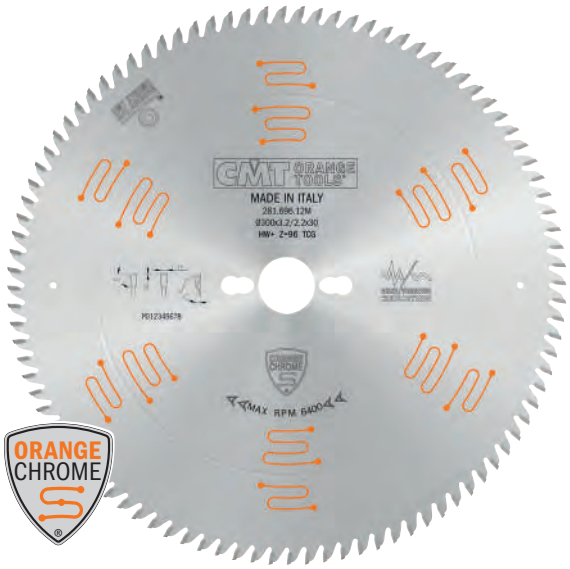
VENEERED PLYWOOD

DOUBLE SIDED MELAMINE

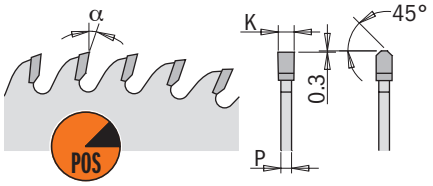

DOUBLE SIDED LAMINATE

| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|
| 250 | 30 | COMBI3 | 80 | 3.2 | 2.2 | 15° | 1 FLAT + 4 ATB | 1 | **274.080.10M** |
| 300 | 30 | COMBI3 | 100 | 3.2 | 2.2 | 15° | 1 FLAT + 4 ATB | 1 | **274.100.12M** |

CMT ORANGE TOOLS®




## 281 ORANGE CHROME®



HW

PERFORMANCE

WOOD

## MACHINES

*Blade diameter compatibility is contingent on machine type.*

## APPLICATIONS

## MATERIALS

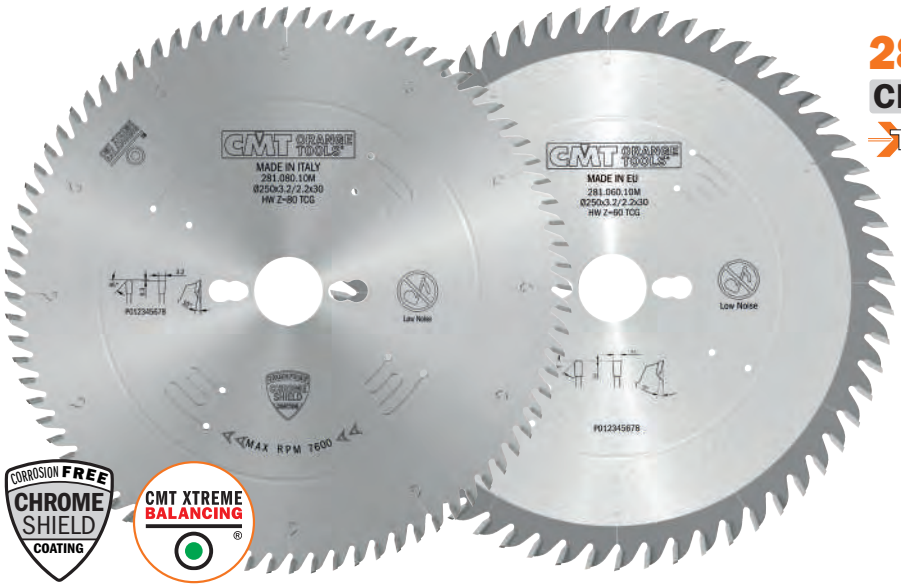
*For specific details regarding suggested materials, please check blade label.*

| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | APPLICATIONS | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|---|
| 160 | 20 | 2/6/32 | 48 | 2.2 | 1.6 | 4° | TCG | - | 1 | **281.760.48H** ● |
| 190 | 20 (FESTOOL® FF) | Key 5/7/2.5 | 54 | 2.6 | 1.8 | 4° | TCG | - | 1 | **281.790.54FF** ● |
| 250 | 30 | COMBI3 | 80 | 3.2 | 2.2 | 5° | TCG | Ultra Finish | 1 | **281.680.10M** |
| 300 | 30 | COMBI3 | 72 | 3.2 | 2.2 | 10° | TCG | Fine Finish | 1 | **281.672.12M** |
| 300 | 30 | COMBI3 | 96 | 3.2 | 2.2 | 5° | TCG | Ultra Finish | 1 | **281.696.12M** |
| 350 | 30 | COMBI3 | 84 | 3.5 | 2.5 | 10° | TCG | Fine Finish | 1 | **281.684.14M** |
| 350 | 30 | COMBI3 | 108 | 3.5 | 2.5 | 5° | TCG | Ultra Finish | 1 | **281.708.14M** |

● Ideal for FESTOOL® & others



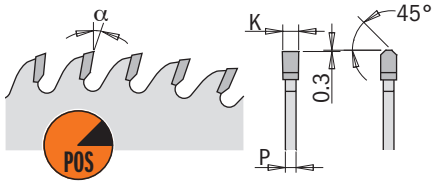
® Brand names mentioned in CMT products are the property of their respective owners (see back cover)




# 281
## CHROME SHIELD XTREME

HW

WOOD

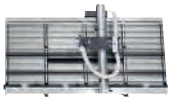



## MACHINES

MITRE SAW

RADIAL ARM

STATIONARY TABLE


VERTICAL PANEL

*Blade diameter compatibility is contingent on machine type.*

## APPLICATIONS

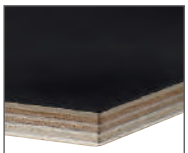
CROSS

## MATERIALS

HARDWOOD

PLYWOOD

MELAMINE


LAMINATE

CHIPBOARD

MDF

CHROME SHIELD XTREME

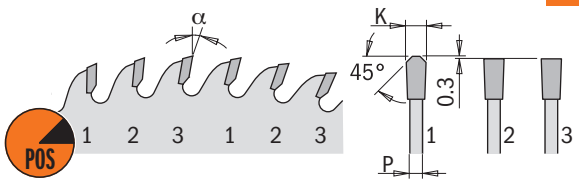
| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | APPLICATIONS | | ORDER NO. ★★★★★ | ORDER NO. ★★★★☆ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 250 | 30 | COMBI3 | 60 | 3.2 | 2.2 | 10° | TCG | Fine Finish | 1 | | **281.060.10M** |
| 250 | 30 | COMBI3 | 80 | 3.2 | 2.2 | 10° | TCG | Ultra Finish | 1 | **281.080.10M** | |
| 300 | 30 | COMBI3 | 72 | 3.2 | 2.2 | 10° | TCG | Fine Finish | 1 | **281.072.12M** | |
| 300 | 30 | COMBI3 | 96 | 3.2 | 2.2 | 10° | TCG | Ultra Finish | 1 | **281.096.12M** | |
| 350 | 30 | COMBI3 | 84 | 3.5 | 2.5 | 10° | TCG | Fine Finish | 1 | | **281.084.14M** |
| 350 | 30 | COMBI3 | 108 | 3.5 | 2.5 | 5° | TCG | Ultra Finish | 1 | **281.108.14M** | |

295 XTREME

HW

PERFORMANCE

WOOD

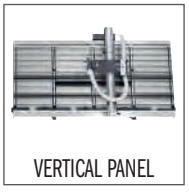



## MACHINES

MITRE SAW

RADIAL ARM

STATIONARY TABLE


VERTICAL PANEL

*Blade diameter compatibility is contingent on machine type.*

## APPLICATIONS

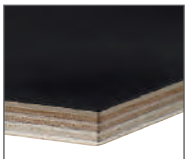
CROSS

## MATERIALS

HARDWOOD

PLYWOOD

MELAMINE


LAMINATE

CHIPBOARD

MDF

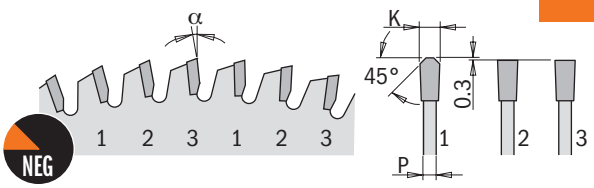
| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|
| 250 | 30 | COMBI3 | 78 | 3.2 | 2.2 | 10° | FFT | 1 | **295.078.10M** |
| 300 | 30 | COMBI3 | 96 | 3.2 | 2.2 | 10° | FFT | 1 | **295.096.12M** |
| 350 | 30 | COMBI3 | 108 | 3.5 | 2.5 | 10° | FFT | 1 | **295.108.14M** |

281 XTREME

HW

PERFORMANCE

WOOD




## MACHINES

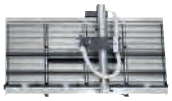
MITRE SAW

SLIDE MITRE SAW

RADIAL ARM

STATIONARY TABLE

SQUARING


VERTICAL PANEL

*Blade diameter compatibility is contingent on machine type.*

## APPLICATIONS

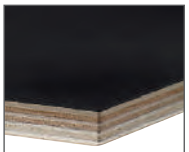
CROSS

## MATERIALS

HARDWOOD

PLYWOOD

MELAMINE


LAMINATE

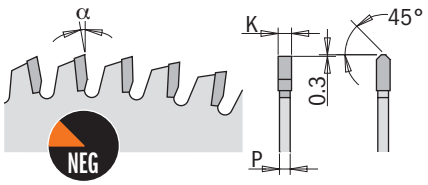
CHIPBOARD

MDF

| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|
| 220 | 30 | COMBI3 | 63 | 3.2 | 2.2 | -3° | FFT | 1 | **281.063.09M** |
| 250 | 30 | COMBI3 | 60 | 3.2 | 2.2 | -3° | FFT | 1 | **281.061.10M** |
| 300 | 30 | COMBI3 | 72 | 3.2 | 2.2 | -3° | FFT | 1 | **281.073.12M** |

CMT ORANGE TOOLS®

## 281 ORANGE CHROME®



HW

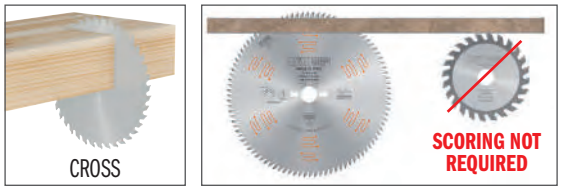
PERFORMANCE

WOOD

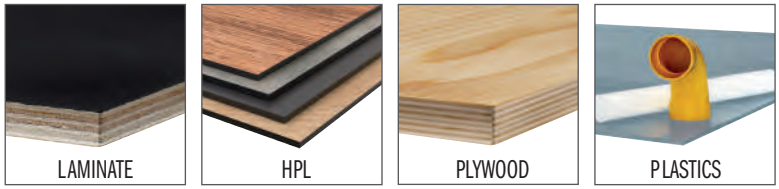
## MACHINES

*Blade diameter compatibility is contingent on machine type.*

## APPLICATIONS




## MATERIALS




| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|
| 160 | 20 | 2/6/32 | 52 | 1.8 | 1.2 | -5° | TCG | 1 | **281.761.52H** ● ■ |
| 165 | 20 | 2/6/32 | 52 | 1.8 | 1.2 | -5° | TCG | 1 | **281.766.52H** ■ |
| 168 | 20 | 2/6/32 | 52 | 1.8 | 1.2 | -5° | TCG | 1 | **281.768.52H** ● ■ |
| 190 | 30 | 2/7/42 | 54 | 2.6 | 1.6 | 4° | TCG | 1 | **281.790.54M** |
| 210 | 30 | 2/7/42 | 60 | 2.6 | 1.6 | -3° | TCG | 1 | **281.810.60M** ● |
| 216 | 30 | 2/7/42 | 64 | 2.6 | 1.6 | -3° | TCG | 1 | **281.816.64M** ● |
| 250 | 30 | COMBI3 | 80 | 3.2 | 2.2 | -3° | TCG | 1 | **281.681.10M** |
| 300 | 30 | COMBI3 | 96 | 3.2 | 2.2 | -3° | TCG | 1 | **281.697.12M** |

● Ideal for **FESTOOL®** & others

■ **Thin Kerf = Battery Saver**



® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

# 281 INDUSTRIAL

HW

PERFORMANCE

WOOD

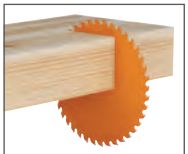
## MACHINES

CIRCULAR SAW

SLIDE MITRE SAW

STATIONARY TABLE

## APPLICATIONS


CROSS

*Blade diameter compatibility is contingent on machine type.*

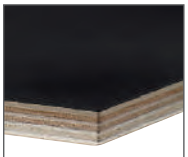
## MATERIALS

WOOD

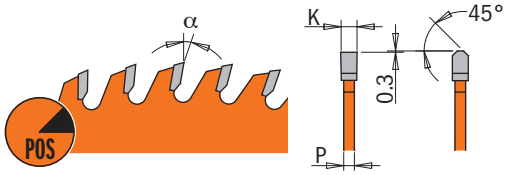
OSB

PLYWOOD

MELAMINE


LAMINATE

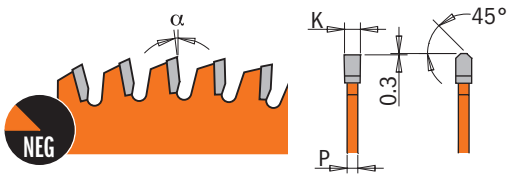
*For specific details regarding suggested materials, please check blade label.*




## POSITIVE

| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | APPLICATIONS | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|---|
| 160 | 20 (VIRUTEX®) | 4/7/32 45° | 40 | 2.2 | 1.6 | 10° | TCG | Finish | 10 | **281.160.40H** ● |
| 160 | 20 | 2/6/32 | 48 | 2.2 | 1.6 | 5° | TCG | Fine Finish | 10 | **281.160.48H** ● |
| 200 | 30 | 2/6/42 | 64 | 3.2 | 2.2 | 10° | TCG | Fine Finish | 10 | **281.064.08M** |
| 220 | 30 | 2/6/42 | 64 | 3.2 | 2.2 | 10° | TCG | Fine Finish | 10 | **281.064.09M** |
| 225 | 30 | 2/6/42 | 64 | 2.6 | 1.8 | 4° | TCG | Fine Finish | 10 | **281.225.64M** ● |

● Ideal for **FESTOOL®** & others



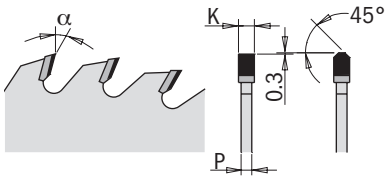

## NEGATIVE

| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | APPLICATIONS | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|---|
| 160 | 20 | 2/6/32 | 56 | 2.2 | 1.6 | -3° | TCG | Ultra Finish | 10 | **281.161.56H** ● |
| 165 | 20 | 2/6/32 | 56 | 2.2 | 1.6 | -3° | TCG | Ultra Finish | 10 | **281.166.56H** |
| 260 | 30 | COMBI3 | 64 | 2.5 | 1.8 | -3° | TCG | Finish | 5 | **281.065.11M** ● |

● Ideal for **FESTOOL®** & others

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

## 237 XTREME




**50X LONGER LIFE THAN CARBIDE**

High-quality nickel-plated saw blades with anti-friction and anti-corrosion properties.

PCD DP

PERFORMANCE

WOOD

## MACHINES

MITRE SAW

SQUARING

TABLE SAW

VERTICAL PANEL

*Blade diameter compatibility is contingent on machine type.*

## APPLICATIONS

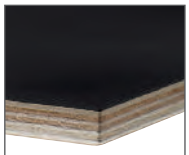
CROSS

## MATERIALS

HARDWOOD

PLYWOOD

MELAMINE

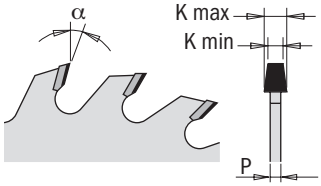

LAMINATE

CHIPBOARD

MDF

| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|
| 250 | 30 | COMBI3 | 48 | 3.2 | 2.2 | 10° | TCG | 1 | **237.048.10M** |
| 300 | 30 | COMBI3 | 60 | 3.2 | 2.2 | 10° | TCG | 1 | **237.060.12M** |
| 300 | 30 | COMBI3 | 96 | 3.2 | 2.2 | 15° | TCG | 1 | **237.096.12M** |
| 350 | 30 | COMBI3 | 72 | 3.5 | 2.4 | 15° | TCG | 1 | **237.072.14M** |

## 238 XTREME




**50X LONGER LIFE THAN CARBIDE**

High-quality nickel-plated saw blades with anti-friction and anti-corrosion properties.

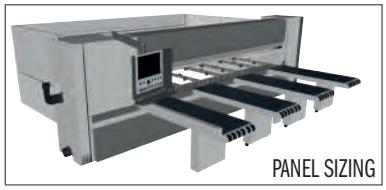
PCD DP

PERFORMANCE

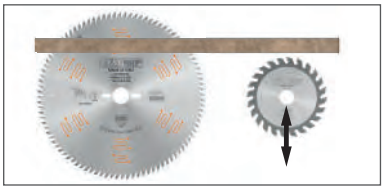
WOOD

## MACHINES

SQUARING

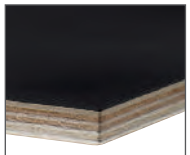

PANEL SIZING

## APPLICATIONS



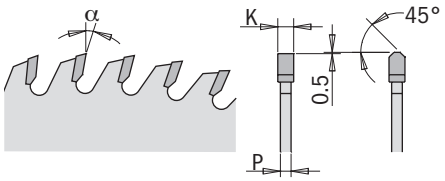
## MATERIALS

MELAMINE


LAMINATE

| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | COATING | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|---|
| 120 | 20 | - | 20 | 3.1-3.7 | 2.2 | 5° | CO + FLAT | NICKEL | 1 | **238.120.20H** |
| 125 | 20 | - | 20 | 3.1-3.7 | 2.2 | 5° | CO + FLAT | NICKEL | 1 | **238.125.20H** |
| new 160 | 55 | 3/7/66 | 36 | 4.3-5.2 | 3.2 | 8° | CO + FLAT | - | 1 | **238.160.36O** |
| new 180 | 30 | 2/10/60 | 36 | 4.3-5.2 | 3.2 | 8° | CO + FLAT | - | 1 | **238.180.36M** |
| new 180 | 45 | 2/10/60 | 36 | 4.3-5.2 | 3.2 | 8° | CO + FLAT | - | 1 | **238.180.36Q2** |
| new 180 | 45 | - | 36 | 4.7-5.6 | 3.5 | 8° | CO + FLAT | - | 1 | **238.180.36Q** |
| new 200 | 20 | 2/11/66 | 36 | 4.3-5.2 | 3.2 | 8° | CO + FLAT | - | 1 | **238.200.36H** |
| new 200 | 45 | 2/10/60 | 36 | 4.3-5.2 | 3.2 | 8° | CO + FLAT | - | 1 | **238.200.36Q2** |
| new 200 | 45 | - | 36 | 4.7-5.6 | 3.5 | 8° | CO + FLAT | - | 1 | **238.200.36Q** |
| new 200 | 65 | 2/9/100 + 2/9/110 | 36 | 4.3-5.2 | 3.2 | 8° | CO + FLAT | - | 1 | **238.200.36J** |
| new 200 | 80 | 2/14/110 | 36 | 4.3-5.2 | 3.2 | 8° | CO + FLAT | - | 1 | **238.200.36W** |
| new 300 | 65 | 2/9/100 + 2/9/110 + 2/14/110 | 48 | 4.3-5.2 | 3.2 | 8° | CO + FLAT | - | 1 | **238.300.48J** |

## 281-282 XTREME

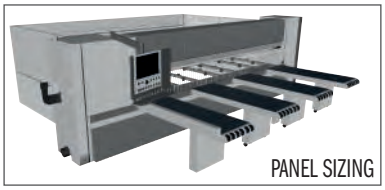



HW

PERFORMANCE

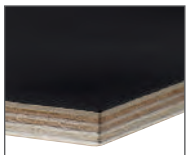
WOOD

## MACHINES


PANEL SIZING

## MATERIALS

MELAMINE


DOUBLE SIDED LAMINATE

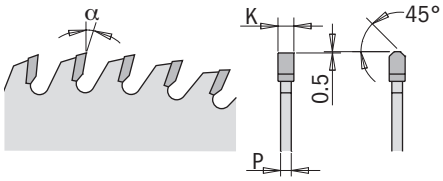
CHIPBOARD

MDF

| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | LOW NOISE | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|---|
| 300 | 75 | - | 60 | 4.4 | 3.2 | 16° | TCG | | 1 | **282.060.12X** |
| 320 | 65 | 2/9/100 + 2/9/110 | 60 | 4.4 | 3.2 | 16° | TCG | | 1 | **Y282.060.13J** ■ |
| 350 | 30 | COMBI3 | 54 | 4.4 | 3.2 | 16° | TCG | | 1 | **282.054.14M** |
| 350 | 30 | COMBI3 | 108 | 3.5 | 2.5 | 10° | TCG | | 1 | **281.108.14M** |
| 350 | 50 | 3/12.5/80 | 72 | 4.4 | 3.2 | 16° | TCG | | 1 | **282.072.14T** |
| 350 | 75 | 4/15/105 + 3/7/100 | 54 | 4.4 | 3.2 | 16° | TCG | | 1 | **282.054.14X** |
| 350 | 80 | COMBI5 | 54 | 4.4 | 3.2 | 16° | TCG | | 1 | **282.054.14W** |
| 355 | 30 | COMBI3 | 72 | 4.4 | 3.2 | 16° | TCG | | 1 | **S282.03556** |
| 355 | 80 | 4/9/100 + 2/9/110 + 2/14/110 | 72 | 4.4 | 3.2 | 10° | TCG | | 1 | **282.072.14W2** |
| 380 | 60 | 2/14/100 | 72 | 4.4 | 3.2 | 15° | TCG | | 1 | **282.072.15U2** ■ |
| 380 | 60 | COMBI7 | 72 | 4.8 | 3.5 | 16° | TCG | | 1 | **282.072.15U** ■ |
| 380 | 80 | COMBI5 | 72 | 4.4 | 3.2 | 16° | TCG | | 1 | **282.072.15W** ■ |
| 400 | 30 | 2/10/60 | 60 | 4.4 | 3.2 | 16° | TCG | | 1 | **282.060.16M** |
| 400 | 60 | COMBI7 | 72 | 4.4 | 3.2 | 16° | TCG | | 1 | **282.072.16U** |
| 400 | 75 | 4/15/105 | 60 | 4.4 | 3.2 | 16° | TCG | | 1 | **282.060.16X** |
| 400 | 80 | COMBI5 | 72 | 4.4 | 3.2 | 16° | TCG | | 1 | **282.072.16W** ■ |
| 420 | 80 | 4/9/100 + 2/9/110 + 2/14/110 | 72 | 4.4 | 3.2 | 15° | TCG | | 1 | **282.072.17W** |
| 430 | 75 | 4 /15/105 | 72 | 4.4 | 3.2 | 16° | TCG | | 1 | **282.072.17X** |
| 430 | 80 | COMBI5 | 72 | 4.4 | 3.2 | 16° | TCG | | 1 | **282.072.17W2** |
| 450 | 30 | COMBI3 + 2/14/95 | 72 | 4.4 | 3.2 | 16° | TCG | | 1 | **Y282.072.18M2** |
| 450 | 60 | COMBI7 | 72 | 4.8 | 3.5 | 16° | TCG | | 1 | **282.072.18U** ■ |
| 450 | 80 | COMBI5 | 72 | 4.8 | 3.5 | 16° | TCG | | 1 | **282.072.18W2** |
| 500 | 60 | COMBI7 | 72 | 4.8 | 3.5 | 16° | TCG | | 1 | **282.072.20U** |

■ *While supplies last*

## 282 XTREME




HW

PERFORMANCE

WOOD

CERATIZIT GROUP

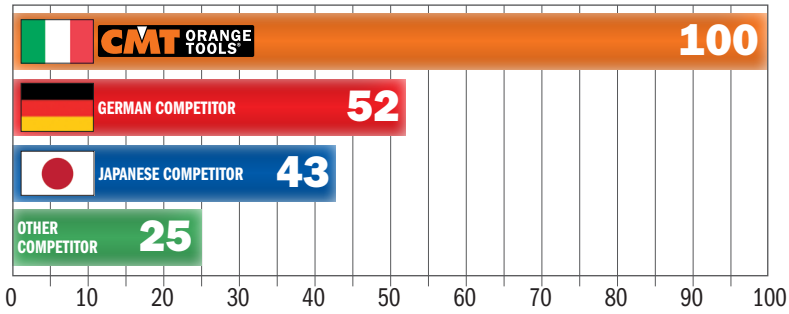
XHARD NANO GRAIN

### NANO GRAIN CARBIDE

Cutting teeth are made from an exclusive high-pressure sintering and the use of nano grain carbide powders make the material free of porosity, extremely hard and compact, with excellent tenacity that ensures greater resistance to wear as compared to others and exceptional durability.

DPX

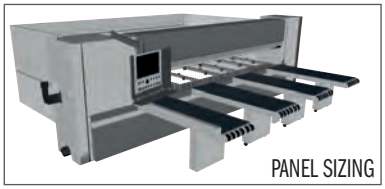
**% METERS CUT ON CHIPBOARD PANELS**



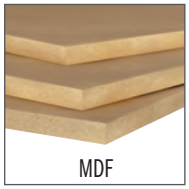

UP TO 4X THAN COMPETITORS

*How to re-sharpen a CMT DPX blade*

## MACHINES

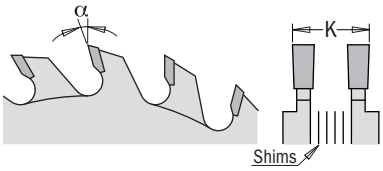



## MATERIALS




| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|
| 300 | 30 | COMBI3 | 60 | 4.4 | 3.2 | 15° | TCG | 1 | 282.300.60M |
| 300 | 80 | COMBI5 | 60 | 4.4 | 3.2 | 15° | TCG | 1 | 282.300.60W |
| 320 | 65 | 2/9/100 + 2/14/110 | 60 | 4.4 | 3.2 | 15° | TCG | 1 | 282.320.60J |
| 320 | 65 | 2/9/95 + 2/9/100 + 2/14/110 | 72 | 4.4 | 3.2 | 15° | TCG | 1 | 282.320.72J |
| 350 | 30 | COMBI3 | 72 | 4.4 | 3.2 | 15° | TCG | 1 | 282.350.72M |
| 350 | 60 | 2/9/100 + 2/14/110 | 72 | 4.4 | 3.2 | 15° | TCG | 1 | 282.350.72U |
| 350 | 75 | 3/7/100 + 4/15/105 | 72 | 4.4 | 3.2 | 15° | TCG | 1 | 282.350.72X |
| 350 | 80 | COMBI5 | 72 | 4.4 | 3.2 | 15° | TCG | 1 | 282.350.72W |
| 355 | 65 | 2/9/100 + 2/14/110 | 72 | 4.4 | 3.2 | 15° | TCG | 1 | 282.355.72J |
| 380 | 60 | 2/14/100 | 72 | 4.4 | 3.2 | 15° | TCG | 1 | 282.380.72U2 |
| 380 | 60 | COMBI7 | 72 | 4.8 | 3.5 | 15° | TCG | 1 | 282.380.72U |
| 380 | 80 | COMBI5 | 72 | 4.4 | 3.2 | 15° | TCG | 1 | 282.380.72W |
| 400 | 30 | COMBI3 | 72 | 4.4 | 3.2 | 15° | TCG | 1 | 282.400.72M |
| 400 | 75 | 2/14/100 + 4/15/105 + 2/7/110 | 72 | 4.4 | 3.2 | 15° | TCG | 1 | 282.400.72X |
| 400 | 80 | COMBI5 | 72 | 4.4 | 3.2 | 15° | TCG | 1 | 282.400.72W |
| new 430 | 65 | 2/9/100 + 2/14/110 | 72 | 4.4 | 3.2 | 15° | TCG | 1 | 282.430.72J |
| 450 | 30 | 2/10/60 + 2/14/95 | 72 | 4.4 | 3.2 | 15° | TCG | 1 | 282.450.72M |
| 450 | 60 | COMBI7 | 72 | 4.8 | 3.5 | 15° | TCG | 1 | 282.450.72U |
| new 520 | 70 | 4/11/130 | 60 | 4.8 | 3.5 | 15° | TCG | 1 | 282.520.60V |

## 289 XTREME




HW

PERFORMANCE

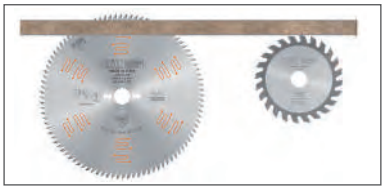
WOOD

**TIPS:** suggested for machines without vertical regulation of scoring blade.

## MACHINES

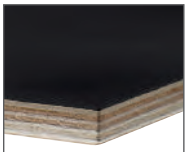
SQUARING

## APPLICATIONS



## MATERIALS

MELAMINE



LAMINATE

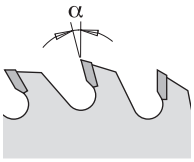
| D mm | B mm | PIN HOLE | Z | K mm | α | β | | ORDER NO. | Spare parts PVC SHIMS |
|---|---|---|---|---|---|---|---|---|---|
| 70 | 20 | 2/3.1 - 3.8/42 | 8+8 | 2.8-3.6 | 12° | FLAT | 10 | **289.070.16H** | 299.000.05H |
| 80 | 20 | 2/3.1 - 3.8/42 | 10+10 | 2.8-3.6 | 12° | FLAT | 10 | **289.080.20H** | 299.000.05H |
| 100 | 20 | 2/3.1 - 3.8/42 | 10+10 | 2.8-3.6 | 12° | FLAT | 10 | **289.100.20H** | 299.000.02K |
| 100 | 22 | 2/3.1 - 3.8/42 | 10+10 | 2.8-3.6 | 12° | FLAT | 10 | **289.100.20K** | 299.000.02K |
| 120 | 20 | 2/3.1 - 3.8/42 | 12+12 | 2.8-3.6 | 12° | FLAT | 10 | **289.120.24H** | 299.000.02K |
| 120 | 22 | 2/3.1 - 3.8/42 | 12+12 | 2.8-3.6 | 12° | FLAT | 10 | **289.120.24K** | 299.000.02K |
| 120 | 50 | 4/6.2 - 10/62 | 12+12 | 2.8-3.6 | 12° | FLAT | 10 | **289.120.24T** ● | |
| 125 | 20 | 2/3.1 - 3.8/42 | 12+12 | 2.8-3.6 | 12° | FLAT | 10 | **289.125.24H** | 299.000.02K |
| 125 | 22 | 2/3.1 - 3.8/42 | 12+12 | 2.8-3.6 | 12° | FLAT | 10 | **289.125.24K** | 299.000.02K |

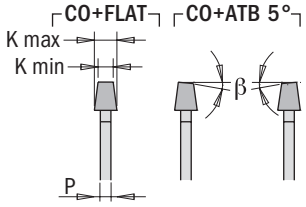
● Ideal for **ALTENDORF® Rapido System**

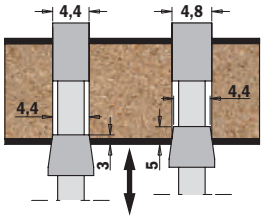


® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

## 288 XTREME




**TIPS:** suggested for machines with vertical regulation of scoring blade.

Suggested for use with thick kerf or panel sizing blade.

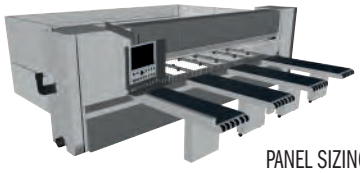
HW

PERFORMANCE

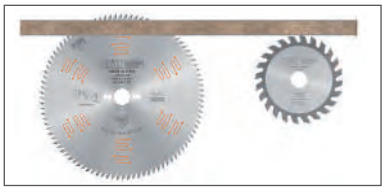
WOOD

## MACHINES

SQUARING

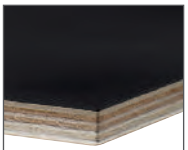

PANEL SIZING

## APPLICATIONS



## MATERIALS

MELAMINE

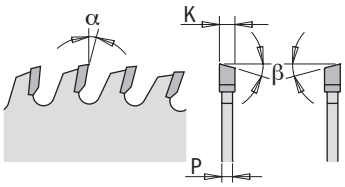

LAMINATE

| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|
| 80 | 20 | - | 12 | 3.1-3.6 | 2.2 | 10° | CO + FLAT | 10 | **S288.080.12H** |
| 100 | 20 | - | 20 | 3.1-4.0 | 2.5 | 5° | CO + ATB 5° | 10 | **288.100.20H** |
| 100 | 22 | - | 20 | 3.1-4.0 | 2.5 | 5° | CO + ATB 5° | 10 | **288.100.20K** |
| 120 | 20 | - | 24 | 3.1-4.0 | 2.5 | 5° | CO + ATB 5° | 10 | **288.120.24H** |
| new 120 | 20 | - | 24 | 2.8-4.0 | 2.5 | 5° | CO + ATB 5° | 10 | **288.121.24H** |
| 120 | 20 | - | 24 | 3.4-4.2 | 2.5 | 5° | CO + ATB 5° | 10 | **288.120.24H1** |
| 120 | 22 | - | 24 | 3.1-4.0 | 2.5 | 5° | CO + ATB 5° | 10 | **288.120.24K** |
| 125 | 20 | - | 24 | 3.1-4.0 | 2.5 | 5° | CO + ATB 5° | 10 | **288.125.24H** |
| 125 | 20 | - | 24 | 3.4-4.2 | 2.5 | 5° | CO + ATB 5° | 10 | **288.125.24H1** |
| 125 | 20 | - | 24 | 4.3-5.5 | 3.2 | 10° | CO + FLAT | 10 | **288.125.24H2** |
| 125 | 22 | - | 24 | 3.1-4.0 | 2.5 | 5° | CO + ATB 5° | 10 | **288.125.24K** |
| 125 | 45 | - | 24 | 4.3-5.5 | 3.2 | 10° | CO + FLAT | 10 | **288.125.24Q** |
| 150 | 45 | 3/11/70 | 36 | 4.3-5.5 | 3.2 | 10° | CO + FLAT | 5 | **288.150.36Q** |
| 160 | 45 | 3/11/70 | 36 | 4.3-5.5 | 3.2 | 10° | CO + FLAT | 5 | **288.160.36Q** |
| 160 | 55 | 3/7/66 + 3/6/84 | 36 | 4.3-5.5 | 3.2 | 10° | CO + FLAT | 5 | **288.160.360** |
| 180 | 30 | COMBI3 | 36 | 4.5-5.5 | 3.2 | 10° | CO + FLAT | 5 | **288.180.36M** |
| 180 | 45 | - | 36 | 4.3-5.5 | 3.2 | 8° | CO + ATB 5° | 5 | **288.180.36Q2** |
| 180 | 45 | - | 36 | 4.7-6.0 | 3.5 | 10° | CO + FLAT | 5 | **288.180.36Q** |
| 180 | 50 | 3/12.5/80 | 44 | 4.3-5.5 | 3.2 | 10° | CO + FLAT | 5 | **288.180.44T** |
| 180 | 55 | - | 36 | 5.0-6.2 | 3.5 | 10° | CO + FLAT | 5 | **288.180.360** ■ |
| 200 | 20 | - | 36 | 4.4-5.3 | 3.2 | 10° | CO + FLAT | 5 | **288.200.36H** |
| 200 | 45 | - | 36 | 4.7-6.0 | 3.5 | 10° | CO + FLAT | 5 | **288.200.36Q** |
| 200 | 45 | - | 36 | 4.3-5.5 | 3.2 | 10° | CO + FLAT | 5 | **Y288.200.36Q2** |
| 200 | 65 | 2/9/100 + 2/9/110 | 36 | 4.4-5.3 | 3.2 | 10° | CO + FLAT | 5 | **288.200.36J** |
| 215 | 50 | 3/15/80 | 42 | 4.3-5.5 | 3.2 | 8° | CO + FLAT | 5 | **288.215.42T** |
| 300 | 50 | 3/15/80 | 48 | 4.3-5.5 | 3.2 | 10° | CO + FLAT | 5 | **288.300.48T** |
| 300 | 65 | 2/9/100 + 2/9/110 | 72 | 4.3-5.5 | 3.2 | 10° | CO + FLAT | 5 | **288.300.72J** |

■ *While supplies last*

# K CONTRACTOR

*Designed for construction, remodeling and DIY projects. These blades deliver performance at a very economical price.*




HW

PERFORMANCE

WOOD

## MACHINES

MINI CORDLESS CIRCULAR SAW

CORDLESS CIRCULAR SAW

CIRCULAR SAW

MITRE SAW

SLIDE MITRE SAW

PORTABLE TABLE SAW

STATIONARY TABLE

*Blade diameter compatibility is contingent on machine type.*

## APPLICATIONS

RIPS

CROSS

*For specific details regarding applications, please check blade label.*

## MATERIALS

WOOD

OSB

PLYWOOD

CLAMSHELL

BULK PACK 10 PCS.

| DESCRIPTION | D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | | ORDER NO. CLAMSHELL | | ORDER NO. BULK PACK 10 PCS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Finish | 86 | 15 | 2/6/60 | 24 | 1.5 | 1.0 | 12° | ATB 5° | 10 | **K02403** | | |
| General Purpose | 136 | 20 | - | 18 | 1.5 | 1.0 | 15° | ATB 15° | | | 30 | **K13618H-X10** |
| General Purpose | 160 | 20 | 2/6/32 | 24 | 2.2 | 1.4 | 15° | ATB 15° | 10 | **K16024H** | 30 | **K16024H-X10** |
| Finish | 160 | 20 | 2/6/32 | 40 | 2.2 | 1.4 | 15° | ATB 15° | 10 | **K16040H** | 30 | **K16040H-X10** |
| General Purpose | 165 | 20 | 2/6/32 | 24 | 1.7 | 1.1 | 15° | ATB 15° | 10 | **K16524H** | 30 | **K16524H-X10** |
| Finish | 165 | 20 | 2/6/32 | 40 | 1.7 | 1.1 | 15° | ATB 15° | | | 30 | **K16540H-X10** |
| new General Purpose | 184 | 20 (+16) | 2/6/32 | 24 | 1.7 | 1.1 | 15° | ATB 15° | | | 30 | **K18424H-X10** |
| General Purpose | 190 | 30 | 2/7/42 | 24 | 2.2 | 1.4 | 20° | ATB 10° | 10 | **K19024M** | 30 | **K19024M-X10** |
| Ripping | 216 | 30 | 2/7/42 | 24 | 2.4 | 1.6 | -5° | ATB 15° | 10 | **K21624M** | 30 | **K21624M-X10** |
| Finish | 216 | 30 | 2/7/42 | 48 | 2.4 | 1.6 | -5° | ATB 15° | 10 | **K21648M** | 30 | **K21648M-X10** |
| General Purpose | 250 | 30 | COMBI3 | 40 | 2.6 | 1.8 | 15° | ATB 10° | | | 20 | **K25040M-X05*** |
| new General Purpose | 250 | 30 | COMBI3 | 60 | 2.4 | 1.6 | 15° | ATB 10° | 10 | **K25060M** | | |
| new General Purpose | 300 | 30 | COMBI3 | 72 | 2.6 | 1.8 | 18° | ATB 10° | 10 | **K30072M** | | |

## K CONTRACTOR

HW

PERFORMANCE

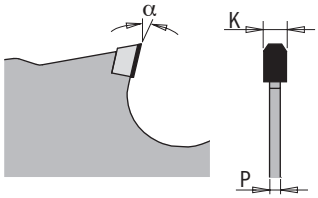
WOOD

CLAMSHELL COMBO PACK

| DESCRIPTION | SET CONTAINS | D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | | ORDER NO. CLAMSHELL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **3 PCS. BLISTER COMBO PACK** | | **Ø160MM** | | | | | | | | | |
| General Purpose | K16024H (1 pc.) | 160 | 20 | 2/6/32 | 24 | 2.2 | 1.4 | 15° | ATB 15° | 10 | K160H-X03 |
| Finish | K16040H (2 pcs.) | 160 | 20 | 2/6/32 | 40 | 2.2 | 1.4 | 15° | ATB 15° | | |
| **3 PCS. BLISTER COMBO PACK** | | **Ø190MM** | | | | | | | | | |
| General Purpose | K19024M (2 pcs.) | 190 | 30 | 2/7/42 | 24 | 2.2 | 1.4 | 20° | ATB 10° | 10 | K190M-X03 |
| Finish | K19040M (1 pc.) | 190 | 30 | 2/7/42 | 40 | 2.2 | 1.4 | 15° | ATB 10° | | |
| **3 PCS. BLISTER COMBO PACK** | | **Ø216MM** | | | | | | | | | |
| Ripping | K21624M (1 pc.) | 216 | 30 | 2/7/42 | 24 | 2.4 | 1.6 | -5° | ATB 15° | 10 | K216M-X03 |
| Finish | K21648M (2 pcs.) | 216 | 30 | 2/7/42 | 48 | 2.4 | 1.6 | -5° | ATB 15° | | |
| **2 PCS. BLISTER COMBO PACK** | | **Ø250MM** | | | | | | | | | |
| Ripping | K25024M (1 pc.) | 250 | 30 | COMBI3 | 24 | 2.6 | 1.8 | 20° | ATB 10° | 10 | K250M-X02 |
| General Purpose | K25040M (1 pc.) | 250 | 30 | COMBI3 | 40 | 2.6 | 1.8 | 15° | ATB 10° | | |
| **2 PCS. BLISTER COMBO PACK** | | **Ø305MM** | | | | | | | | | |
| General Purpose | K30540M (1 pc.) | 305 | 30 | COMBI3 | 40 | 2.8 | 2.0 | -5° | ATB 10° | 10 | K305M-X02 |
| Finish | K30560M (1 pc.) | 305 | 30 | COMBI3 | 60 | 2.8 | 2.0 | -5° | ATB 10° | | |

# DP - Ultra-Hard Materials - LONG LIFE

## K CONTRACTOR




PCD DP

PERFORMANCE

MULTI-MATERIALS

## MACHINES

CORDLESS CIRCULAR SAW

CIRCULAR SAW

## MATERIALS

FIBRECEMENT

PLASTERBOARD

ETERNIT®

**IDEAL FOR:**
SWISSPEARL®, FERMACELL®, IVARPLANK®, HARDIEPLANK®, HARDIEPANEL®, CORIAN®, DUROPLAST®, FORMICA®

| DESCRIPTION | D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | | ORDER NO. CLAMSHELL |
|---|---|---|---|---|---|---|---|---|---|---|
| Multi-Materials | 160 | 20 | 2/6/32 | 10 | 2.4 | 1.8 | 5° | TCG | 10 | K160-10HD |

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

CMT ORANGE TOOLS®

# 230.312

**INTERNATIONAL PATENT PENDING**

CMT is proud to introduce a brand new Locked Dado Pro Set unlike any other! This is the very first Dado ever deemed UNI EN847 compliant. This means that while the Dado is rotating, the assembled elements will never come into contact with each other! This is possible thanks to unique blade body design and 'never before seen' special "lock spacers".

**FEATURES:**

- For flat bottom grooves & virtually splinter-free cuts in solid wood, laminates & melamines, veneer plywood.
- Includes shims (plastic & magnetic) and plastic "lock spacers" set for micro-thin adjustability.
- Compatible with most radial arm saws and stationary table saws, including SAWSTOP®.
- Easy pre-assembly out of machine. Once stacked, no alignment necessary.
- Cutting teeth/assembled elements never come in contact each other, even when brake safety system kicks in.

HW NON-STICK ORANGE SHIELD COATING

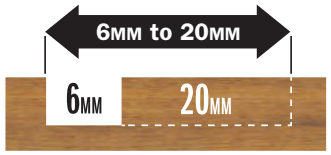
★★★★★ PERFORMANCE

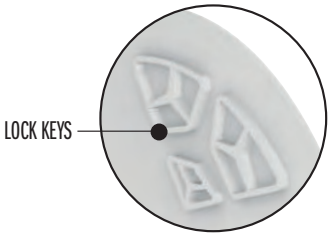
**WOOD**

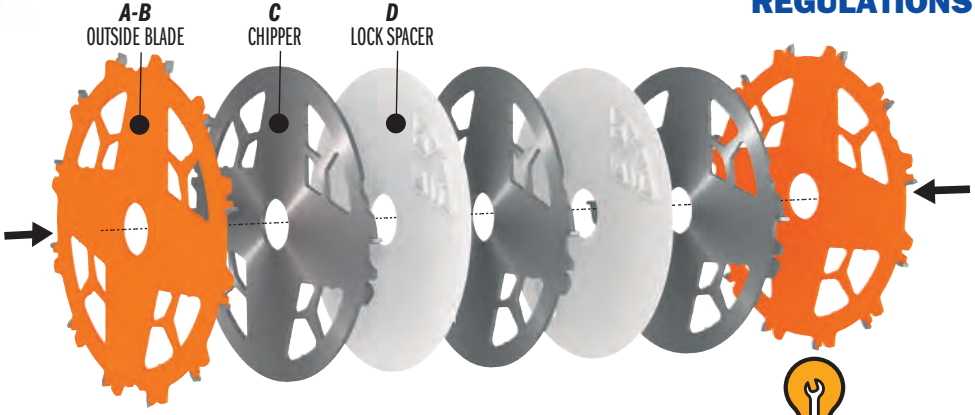
1ST EVER UNI EN 847 COMPLIANT

**First ever DADO in compliance with EU REGULATIONS**

Always use both outside blades. Never use the chippers by themselves, or with only one outside blade. Securely fasten CMT Dado on machine using manufacturer's recommended dado arbor nut.




## MATERIALS

WOOD

LAMINATES & MELAMINES

VENEERED PLYWOODS

## MACHINES

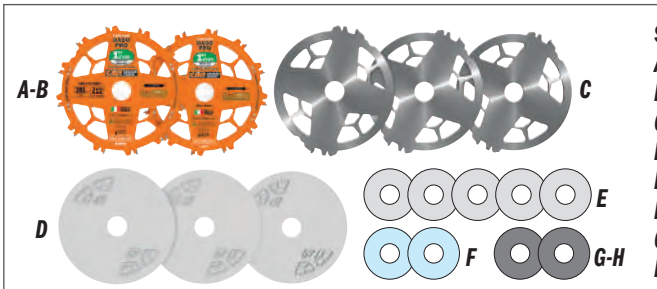
RADIAL ARM

TABLE SAW

PTIA 2024 AWARD WINNER

**2024 PRO TOOL INNOVATION AWARDS**
**TABLE SAW BLADE WINNER**
*"RECOGNITION FOR EXCELLENT VALUE, ADVANCED FEATURES AND INNOVATION"*
www.protoolinnovationawards.com

*Sturdy reusable carrying case*



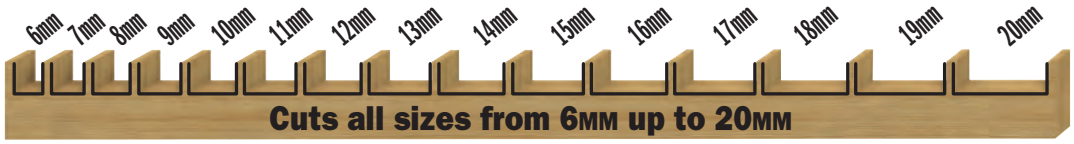

**SET INCLUDES:**

- ***A*** - Left Outside Blade 203mm (qty: 1)
- ***B*** - Right Outside Blade 203mm (qty: 1)
- ***C*** - Chippers 3.14mm (qty: 3)
- ***D*** - Lock Spacers 1.6mm (qty: 3)
- ***E*** - Shim 0.1mm (qty: 5)
- ***F*** - Shim 0.2mm (qty: 2)
- ***G*** - Magnetic Shim 0.3mm (qty: 1)
- ***H*** - Magnetic Shim 0.5mm (qty: 1)

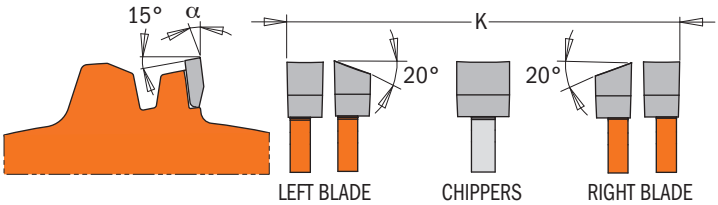
***SPARE PART SET***

INSTRUCTIONS ON FRONT & BACK OF INSERT MUST BE USED TOGETHER

*Download instructions sheets from our website*




| Nominal Widths | 6mm | 7mm | 8mm | 9mm | 10mm | 11mm | 12mm | 13mm | 14mm | 15mm | 16mm | 17mm | 18mm | 19mm | 20mm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Left Blade | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Right Blade | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Chipper 3.14mm | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 |
| Lock Spacer 1.6mm | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 2 | 0 | 1 | 2 | 2 |
| Shim 0.1mm | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 4 | 0 | 0 | 2 |
| Shim 0.2mm | 0 | 1 | 2 | 2 | 1 | 1 | 2 | 1 | 0 | 1 | 1 | 2 | 1 | 2 | 2 |
| Mag. Shim 0.3mm | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 |
| Mag. Shim 0.5mm | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 1 |

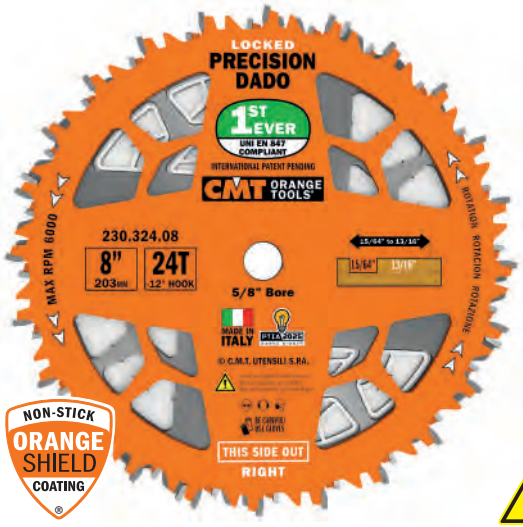



| D mm | B mm | Z | α | β | | ORDER NO. |
|---|---|---|---|---|---|---|
| 203 | 15.88 | 12 | -12° | FLAT+ATB | 3 | 230.312.08 |
| 203 | 30 | 12 | -12° | FLAT+ATB | 3 | 230.312.08M |

*Spare parts:* **299.000.08** Dado Pro Shim Set 230.312.08M
**299.000.09** Dado Pro Shim Set 230.312.08

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

CMT ORANGE TOOLS®




# 230.324 INTERNATIONAL PATENT PENDING

CMT is proud to introduce a brand new Locked Precision Dado Set unlike any other! This is the very first 24T Dado ever deemed UNI EN847 compliant. This means that while the Dado is rotating, the assembled elements will never come into contact with each other! This is possible thanks to unique blade body design and 'never before seen' special "lock spacers".

**FEATURES:**

- Ultra Finish flat bottom grooves & chip free dadoes in solid wood, veneered plywoods, laminates and melamines.
- Includes shims (plastics & magnetic) and plastics "lock spacers" set for micro-thin adjustability.
- Compatible with most radial arm saws and stationary table saws, including SAWSTOP®.
- Easy pre-assembly out of machine. Once stacked, no alignment necessary.
- Cutting teeth/assembled elements never come in contact each other, even when brake safety system kicks in.

HW NON-STICK ORANGE SHIELD COATING

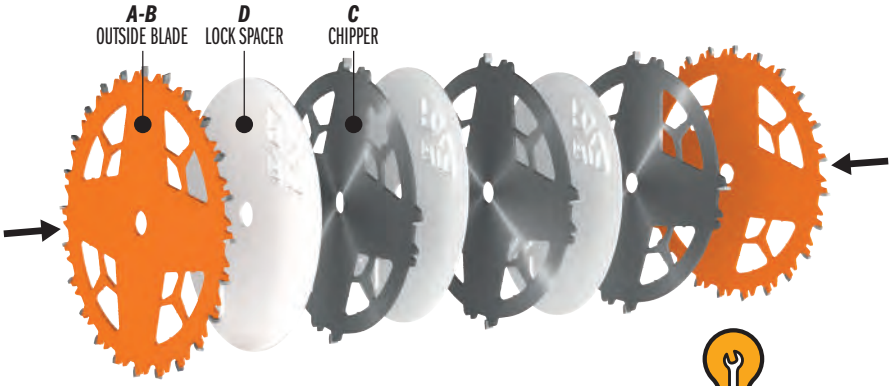
★★★★★ PERFORMANCE

WOOD

1ST EVER UNI EN 847 COMPLIANT

**First ever DADO in compliance with EU REGULATIONS**

Always use both outside blades. Never use the chippers by themselves, or with only one outside blade. Securely fasten CMT Dado on machine using manufacturer's recommended dado arbor nut.




## MATERIALS

WOOD

LAMINATES & MELAMINES

VENEERED PLYWOODS

## MACHINES

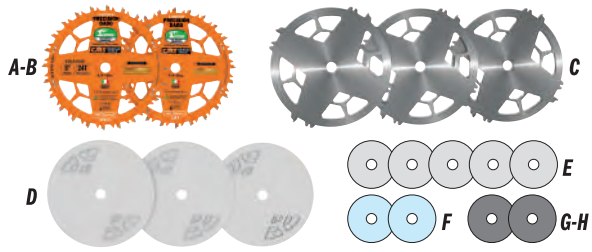
RADIAL ARM

TABLE SAW

PTIA 2025 AWARD WINNER

**2025 PRO TOOL INNOVATION AWARDS**
**TABLE SAW BLADE WINNER**
*"RECOGNIZED FOR EXCELLENCE IN INNOVATION AND PERFORMANCE"*
www.protoolinnovationawards.com

*Sturdy reusable carrying case*



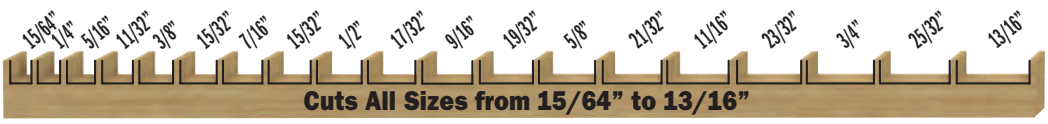

**SET INCLUDES:**

***A*** - Left Outside Blade 8" (qty: 1)
***B*** - Right Outside Blade 8" (qty: 1)
***C*** - Chippers 1/8" (qty: 3)
***D*** - Lock Spacers 1/16" (qty: 3)
***E*** - Shim 0.004" (qty: 5)
***F*** - Shim 0.008" (qty: 2)
***G*** - Magnetic Shim 0.012" (qty: 1)
***H*** - Magnetic Shim 0.020" (qty: 1)

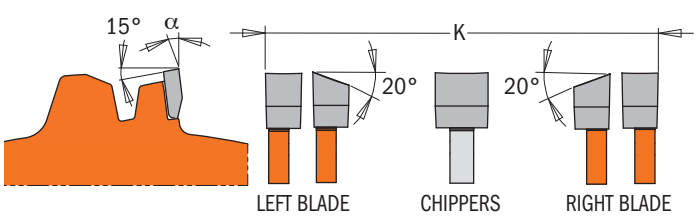
***SPARE PART SET: 299.000.09***

INSTRUCTIONS ON FRONT & BACK OF INSERT MUST BE USED TOGETHER

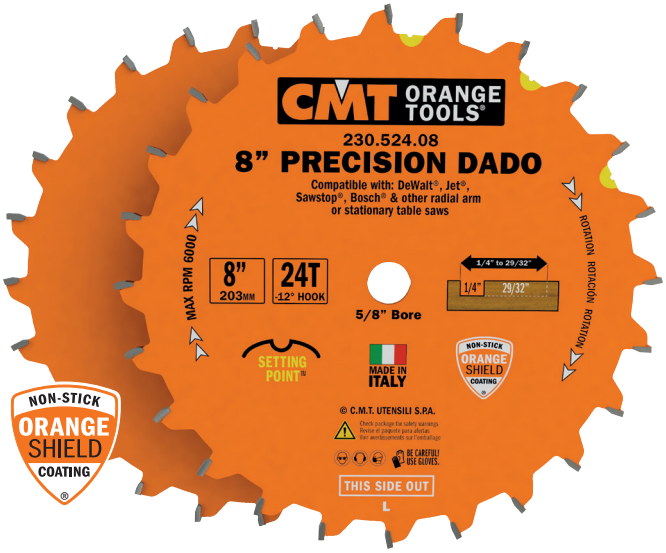
*Download instructions sheets from our website*




| Nominal Widths | 15/64" | 1/4" | 5/16" | 11/32" | 3/8" | 13/32" | 7/16" | 15/32" | 1/2" | 17/32" | 9/16" | 19/32" | 5/8" | 21/32" | 11/16" | 23/32" | 3/4" | 25/32" | 13/16" |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Left Blade | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Right Blade | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Chipper 1/8" | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Lock Spacer 1/16" | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 2 | 2 | 3 |
| Shim 0.004" | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Shim 0.008" | 0 | 0 | 0 | 1 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Mag. Shim 0.012" | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 |
| Mag. Shim 0.020" | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 |




| D mm | B mm | Z | α | β | | ORDER NO. |
|---|---|---|---|---|---|---|
| 203 | 15.88 | 24+24 | -12° | FLAT+ATB | 3 | 230.324.08 |




# 230.5

CMT designed a new Dado Precision Set with the following features:
- New Setting Points for chippers alignment.
- For flat bottom grooves & virtually splinter-free cuts in solid wood, laminates & melamines, veneer plywood.
- Includes shims (plastic & magnetic) and plastic "lock spacers" set for micro-thin adjustability.
- ORANGE SHIELD COATING® protect from heat, gumming and corrosion.

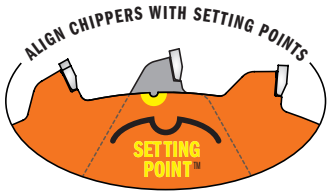
HW

NON-STICK ORANGE SHIELD COATING

PERFORMANCE

WOOD

NOT FOR EU




Always use both outside blades. Never use the chippers by themselves, or with only one outside blade. Securely fasten CMT Dado on machine using manufacturer's recommended dado arbor nut.

## MATERIALS

WOOD

LAMINATES & MELAMINES

VENEERED PLYWOODS

## MACHINES

RADIAL ARM

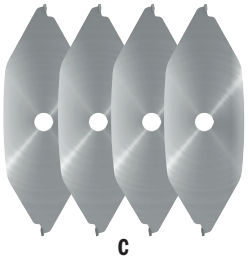
TABLE SAW

## 230.524.08 SET INCLUDES:

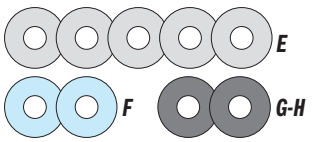
**A** - Left Outside Blade (qty: 1)
**B** - Right Outside Blade (qty: 1)
**C** - Chippers 1/8" (qty: 4)
**D** - Spacers 1/16" (qty: 2)
**E** - Shims 0.004" (qty: 5)
**F** - Shim 0.008" (qty: 2)
**G** - Magnetic Shim 0.012" (qty: 1)
**H** - Magnetic Shim 0.020" (qty: 1)

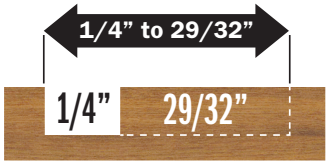
*SPARE PART SET: 299.000.09*

A-B


C

D




Download instructions sheets from our website

| Nominal Widths | 1/4" | 5/16" | 11/32" | 3/8" | 13/32" | 7/16" | 15/32" | 1/2" | 17/32" | 9/16" | 19/32" | 5/8" | 21/32" | 11/16" | 23/32" | 3/4" | 25/32" | 13/16" | 27/32" | 7/8" | 29/32" |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Left Blade | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Right Blade | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Chipper 1/8" | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | |
| Spacer 1/16" | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 2 | 2 |
| Shim 0.004" | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 |
| Shim 0.008" | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |
| Mag. Shim 0.012" | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Mag. Shim 0.020" | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 |

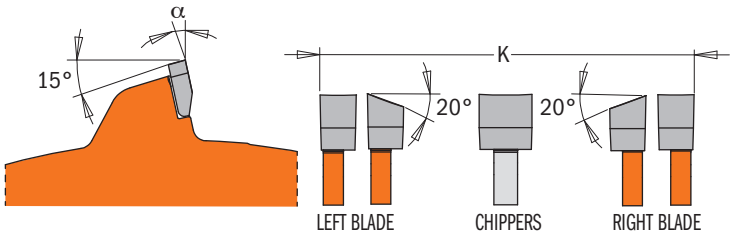
1/4" 5/16" 11/32" 3/8" 13/32" 7/16" 15/32" 1/2" 17/32" 9/16" 19/32" 5/8" 21/32" 11/16" 23/32" 3/4" 25/32" 13/16" 27/32" 7/8" 29/32"

**Cuts all sizes from 1/4" up to 29/32"**

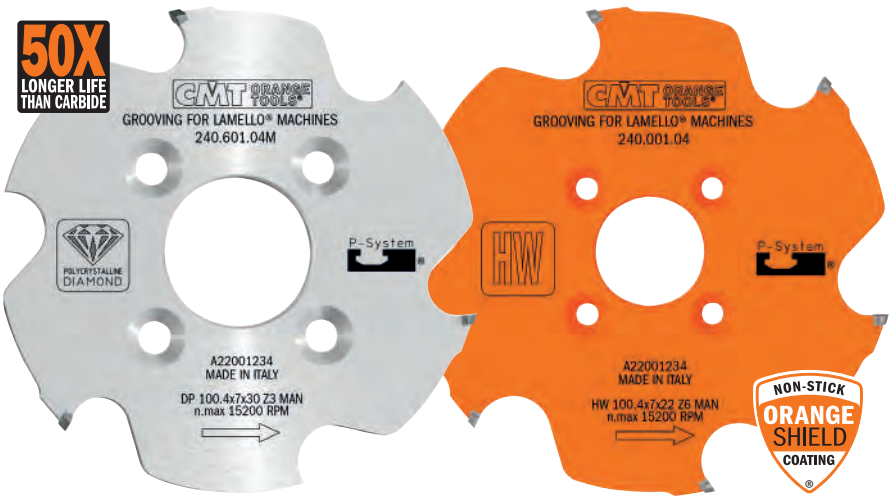
230.524.08

*Sturdy reusable carrying case*

230.520.06



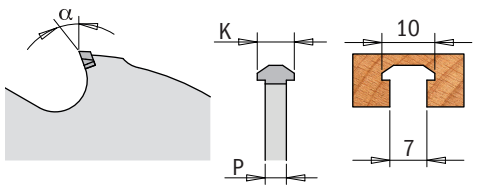

| D mm | B mm | Z | α | β | | ORDER NO. |
|---|---|---|---|---|---|---|
| 152 | 15.88 | 20 | -12° | FLAT+ATB | 3 | 230.520.06 |
| 203 | 15.88 | 24 | -12° | FLAT+ATB | 3 | 230.524.08 |




# 240

PCD DP HW

**WOOD**




P-System®

## MACHINES

BISCUIT JOINER

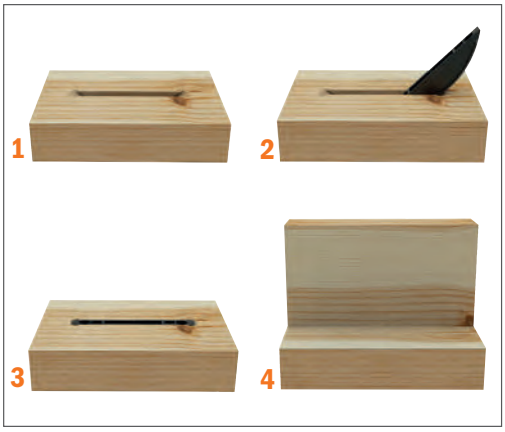
CNC MACHINES

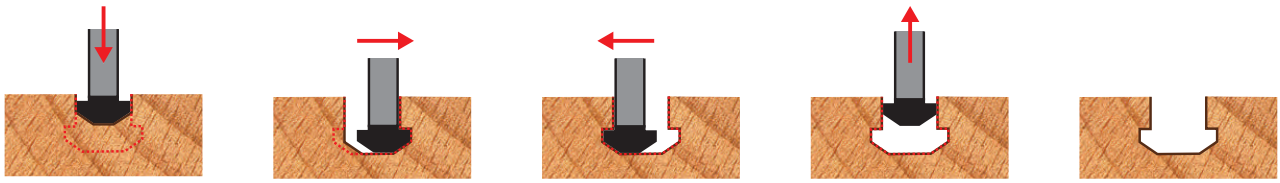
## MATERIALS

WOOD

MDF

## APPLICATIONS



## 240 XTREME

PCD DP — PERFORMANCE

| D mm | B mm | TEETH MATERIAL | MACHINES | PIN HOLE | Z | K mm | P mm | α | β | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 100.4 | 22 | DP | LAMELLO® ZETA P® | 4/4.5 - 9.5/36 | 3 | 7.0 | 4.0 | 20° | TCG | 10 | 240.601.04 |
| 100.4 | 30 | DP | CNC | 4/6.6 - 12/48 | 3 | 7.0 | 4.0 | 20° | TCG | 10 | 240.601.04M |

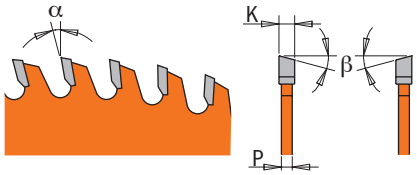
## 240 INDUSTRIAL

HW — PERFORMANCE

| D mm | B mm | TEETH MATERIAL | MACHINES | PIN HOLE | Z | K mm | P mm | α | β | COATING TYPE | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 100.4 | 22 | HW | LAMELLO® ZETA P® | 4/4.5 - 9.5/36 | 6 | 7.0 | 4.0 | 20° | TCG | ORANGE SHIELD® | 10 | 240.001.04 |

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

## 240 INDUSTRIAL




HW

PERFORMANCE

WOOD

### MACHINES

TOUPIE

CHUCK CNC

*Blade diameter compatibility is contingent on machine type.*

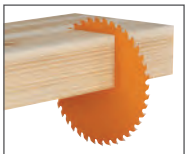
### SUITABLE FOR THESE CNC CHUCKS:

**183.410.30**

**183.420.30**

### APPLICATIONS

GROOVING


CROSS

### MATERIALS

WOOD

PLYWOOD

MELAMINE

| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|
| 120 | 20 | 3/5.0 - 9.2/35 (RH-LH) | 24 | 4.0 | 3.0 | 10° | ATB 10° | 10 | **240.120.040H** |
| 150 | 30 | 4/6.5 - 12/48 45° | 36 | 3.0 | 2.2 | 5° | ATB 5° | 10 | **240.150.030M** |
| 150 | 30 | 4/6.5 - 12/48 45° | 36 | 4.0 | 3.0 | 5° | ATB 5° | 10 | **240.150.040M** |
| 150 | 30 | 4/6.5 - 12/48 45° | 36 | 5.0 | 3.0 | 5° | ATB 5° | 10 | **240.150.050M** |
| 150 | 30 | 4/6.5 - 12/48 45° | 36 | 6.0 | 3.0 | 5° | ATB 5° | 10 | **240.150.060M** |

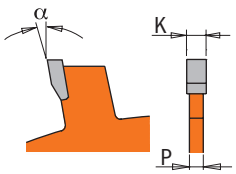
CMT ORANGE TOOLS®

# 240 INDUSTRIAL

HW

PERFORMANCE

WOOD



*The new design allows* **blades stacking** *with different kerf thickness (see examples of stacking), subject to safety regulations in force in your area.*

## MACHINES

TOUPIE

CHUCK CNC

*Blade diameter compatibility is contingent on machine type.*

## APPLICATIONS

GROOVING

GROOVING/STACKING

## MATERIALS

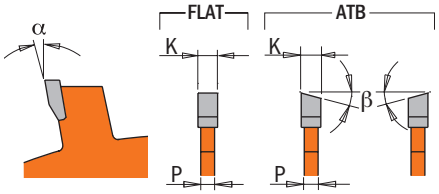
WOOD

PLYWOOD

MELAMINE

| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|
| 150 | 30 | - | 12 | 2.0 | 1.4 | 15° | FLAT | 10 | **240.020.06M** |
| 150 | 35 | - | 12 | 2.0 | 1.4 | 15° | FLAT | 10 | **240.020.06R** |
| 150 | 30 | - | 12 | 3.0 | 2.0 | 15° | FLAT | 10 | **240.030.06M** |
| 150 | 35 | - | 12 | 3.0 | 2.0 | 15° | FLAT | 10 | **240.030.06R** |
| 150 | 30 | - | 12 | 4.0 | 3.0 | 15° | FLAT | 10 | **240.040.06M** |
| 150 | 35 | - | 12 | 4.0 | 3.0 | 15° | FLAT | 10 | **240.040.06R** |
| 150 | 30 | - | 12 | 5.0 | 3.0 | 15° | FLAT | 10 | **240.050.06M** |
| 150 | 35 | - | 12 | 5.0 | 3.0 | 15° | FLAT | 10 | **240.050.06R** |
| 150 | 30 | - | 12 | 6.0 | 3.0 | 15° | FLAT | 10 | **240.060.06M** |
| 150 | 35 | - | 12 | 6.0 | 3.0 | 15° | FLAT | 10 | **240.060.06R** |
| 180 | 30 | - | 18 | 3.0 | 2.0 | 15° | FLAT | 10 | **240.030.07M** |
| 180 | 35 | - | 18 | 3.0 | 2.0 | 15° | FLAT | 10 | **240.030.07R** |
| 180 | 30 | - | 18 | 4.0 | 3.0 | 15° | FLAT | 10 | **240.040.07M** |
| 180 | 35 | - | 18 | 4.0 | 3.0 | 15° | FLAT | 10 | **240.040.07R** |
| 180 | 30 | - | 18 | 5.0 | 3.0 | 15° | FLAT | 10 | **240.050.07M** |
| 180 | 35 | - | 18 | 5.0 | 3.0 | 15° | FLAT | 10 | **240.050.07R** |
| 180 | 30 | - | 18 | 6.0 | 3.0 | 15° | FLAT | 10 | **240.060.07M** |
| 180 | 35 | - | 18 | 6.0 | 3.0 | 15° | FLAT | 10 | **240.060.07R** |
| new 180 | 30 | - | 18 | 6.35 | 3.0 | 15° | FLAT | 10 | **240.064.07M** |

## 240-241 INDUSTRIAL




HW

PERFORMANCE

WOOD

### MACHINES

BISCUIT JOINER

### APPLICATIONS

BISCUIT JOINER

### MATERIALS

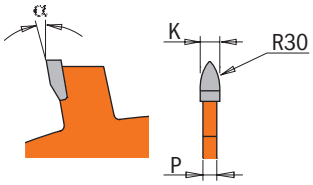
WOOD

MDF

| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|
| 100 | 22 | 4/4.5 - 9.5/36 | 6 | 3.96 | 3.0 | 18° | ATB 10° | 10 | **240.006.04** |
| 100 | 22 | 4/4.5 - 9.5/36 | 8 | 3.96 | 3.0 | 15° | ATB 10° | 10 | **240.008.04** |
| 100 | 22 | - | 8 | 3.96 | 3.1 - 3.8 | 15° | FLAT | 10 | **241.008.04** ● |

● Ideal for **VIRUTEX®**

## 240.004.04




HW

PERFORMANCE

WOOD

### MACHINES

BISCUIT JOINER

### APPLICATIONS

PATCHWORK AND REPAIR

### MATERIALS

HARDWOOD

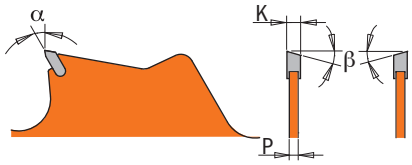
SOFTWOOD

| D mm | B mm | MACHINES | PIN HOLE | Z | K mm | P mm | α | β | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|---|
| 100 | 22 | LAMELLO® | 4/4.5 - 9.5/36 | 4 | 8.0 | 6.0 | 18° | R30 | 10 | **240.004.04** |



® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

# 298




HW

PERFORMANCE

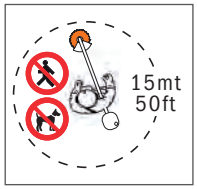
MULTI-MATERIALS

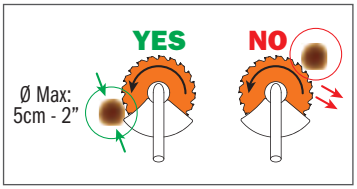
SECURED TOOTH

**SECURED TOOTH – MORE RESISTANT TO ACCIDENTAL CONTACT**
Teeth are welded deep inside blade body which significantly reduces breakage caused by accidental contact with terrain, rocks or stones, masonry work, metal parts, etc.;
avoid all contact with these elements wherever possible.

**HEAVY DUTY PLATE – THIN, LIGHT AND STRONG**
Cut from the finest steel. Remarkably thin kerf and specifically designed perforations considerably reduce blade weight thereby reducing tool workload.

**SAFETY WARNING**
Circular saw blades are suitable for thinning brush and cutting small trees up to a diameter of 5 cm (2 in) in thickness. Do not attempt to cut trees with larger diameters, since the blade may catch or jerk the clearing saw forward. This may cause damage to the blade or loss of control of the power tool and result in serious injury.
Use a chain saw for such work. The operator shall ensure, while working, that no persons or animals come within 15 meters (50 feet) of the tool while in operation. Inspect the work area: remove stones, rocks, pieces of metal and other solid objects which could be thrown by the cutting attachment causing damage to objects or injury to those in close proximity. To reduce the risk of blade/teeth breakage, avoid all contact with terrain, rocks or stones, masonry work, metal parts, etc.




## MACHINES

BRUSH CUTTER

## MATERIALS

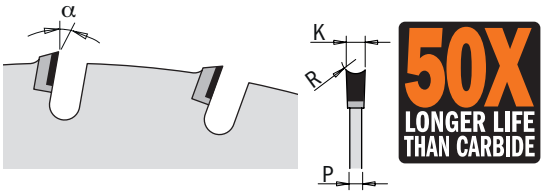
BUSHES & SMALL TREES
(up to a diameter of Ø5cm)

GRASS

| D mm | B mm | RPM max | Z | K mm | P mm | α | β | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|
| 250 | 25.4 (+20) | 12.000 | 20 | 2.0 | 1.4 | 2° | ATB 8° | 10 | **298.250.20** |
| 250 | 25.4 (+20) | 12.000 | 40 | 2.0 | 1.4 | 2° | ATB 8° | 10 | **298.250.40** |

LEUCO
Patent Pending

## 235 XTREME NOISELESS ALL-AROUND



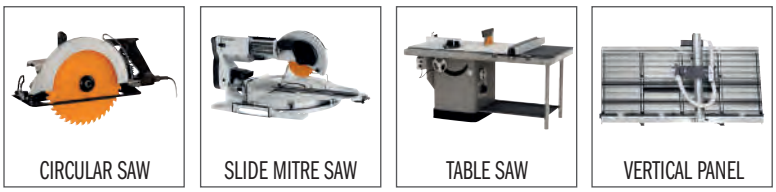

**50X LONGER LIFE THAN CARBIDE**

PCD DP

**PERFORMANCE**

**MULTI-MATERIALS**

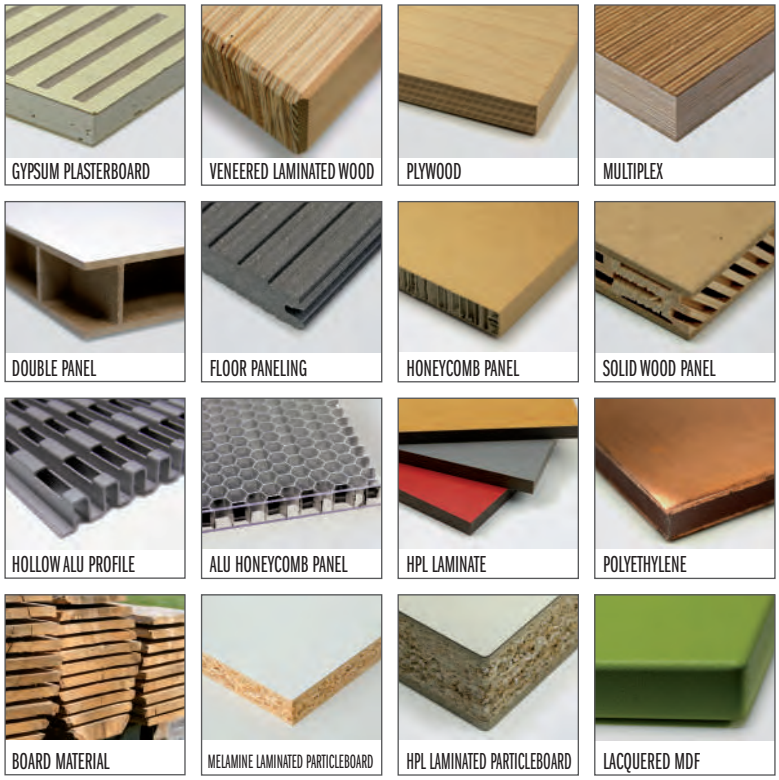
### MACHINES




*Blade diameter compatibility is contingent on machine type.*

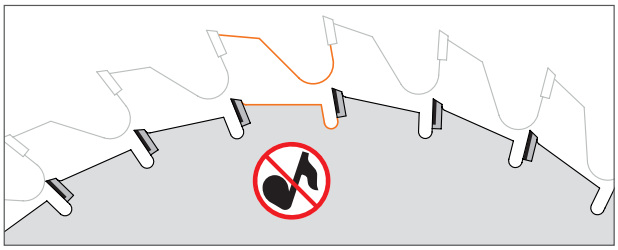
### MATERIALS

**NO LIMITS: CUT ALL WITH ONE BLADE!**




**XTREME NOISELESS**

Thanks the new minimization of gullets design this blade succeeded in reducing the noise of idling by up to 15 dB(A) compared to conventional carbide saw blades. With a noise level of just around 70dB(A) when idling, the wearing of hearing protection is outdated.



**XTREME ALL-AROUND**

New industry standard with universal application in countless materials and suitable for all chop saws and portable machines, table and vertical panel sizing saws, CNCs and through-feed installations

**XTREME QUALITY**

The special hollow back tooth configuration (HR) guarantees an excellent cutting quality.

**XTREME FAST**

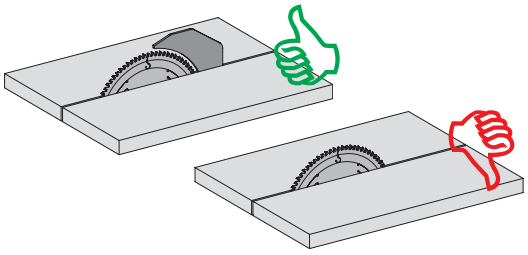
The teeth are surprisingly thin! The cutting width is a mere 2.5mm and they generate noticeably lower cutting pressure and therefore also require less power during usage. Resharpenable max 2 times.

**XTREME LIFETIME**

The lifetime is 20X longer than carbide blades thanks to the diamond tips.

### RECOMMENDED USE

We recommend the use of a splitting wedge between **2.0** and **2.4**mm in thickness.



**LONGER LIFETIME THANKS TO DIAMOND TIPS** Clean your circular saw blades on a regular basis. You will profit from a long-lasting and precise cutting quality and maximize the lifetime of your innovative saw blades many timer over.

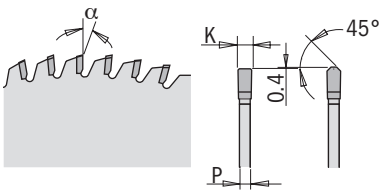
- **It is not recommended to use the saw blades for longitudinal cuts in soft wood and material thicknesses of more than 40mm.**
- **Do not cut materials with nails, stone and metal parts.**
- **Chip-free cuts can only be guaranteed in combination with a suitable scoring saw blade.**

| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|
| 160 | 20 | 2/6/32 | 20 | 2.2 | 1.6 | 10° | HR | 1 | **235.160.20H** |
| 190 | 30 | 2/7/42 | 24 | 2.5 | 2.0 | 10° | HR | 1 | **235.190.24M** |
| 216 | 30 | 2/7/42 | 30 | 2.5 | 2.0 | 10° | HR | 1 | **235.216.30M** |
| 250 | 30 | COMBI3 | 36 | 2.5 | 2.0 | 10° | HR | 1 | **235.250.36M** |
| 300 | 30 | COMBI3 | 44 | 2.5 | 2.0 | 10° | HR | 1 | **235.300.44M** |

CMT ORANGE TOOLS®

## 223 CHROME SHIELD

HW




PERFORMANCE

MULTI-MATERIALS

### MACHINES

*Blade diameter compatibility is contingent on machine type.*

### MATERIALS

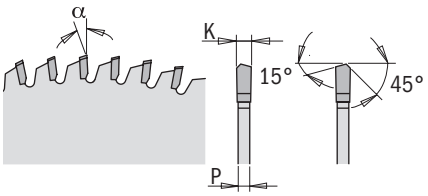
| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|
| 160 | 20 | 2/6/32 | 48 | 2.2 | 1.6 | 0° | MTCG | 1 | **223.048.06H** ● |
| 250 | 30 | COMBI3 | 72 | 3.2 | 2.5 | 0° | MTCG | 1 | **223.072.10M** |
| 300 | 30 | COMBI3 | 84 | 3.2 | 2.5 | 0° | MTCG | 1 | **223.084.12M** |

● Ideal for **FESTOOL®** & others

## Plastics

## 222 XTREME

HW



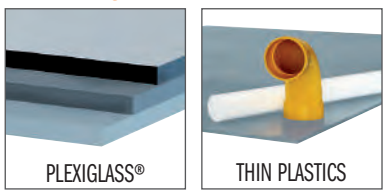

PERFORMANCE

MULTI-MATERIALS

### MACHINES

*Blade diameter compatibility is contingent on machine type.*

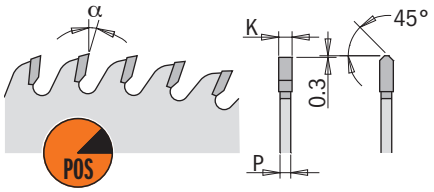
### MATERIALS




| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|
| 250 | 30 | COMBI3 | 80 | 2.8 | 2.2 | -3° | MATB | 1 | **222.080.10M** |
| 300 | 30 | COMBI3 | 96 | 2.8 | 2.2 | -3° | MATB | 1 | **222.096.12M** |

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

## 284 XTREME



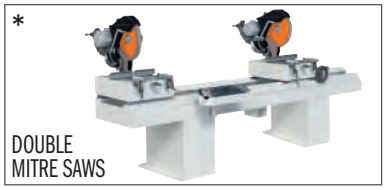

HW

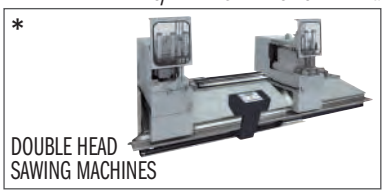
PERFORMANCE

NON-FERROUS

## MACHINES

*WITH MEC/MAN WORKPIECE CLAMPING



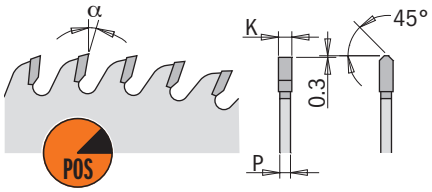

*Blade diameter compatibility is contingent on machine type.*

## MATERIALS

*For specific details regarding suggested materials, please check blade label.*

| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|
| 250 | 32 | 2/12/64 | 80 | 3.2 | 2.5 | 6° | TCG | 1 | **284.080.10P** |
| 300 | 32 | 2/12/64 | 96 | 3.2 | 2.5 | 6° | TCG | 1 | **284.096.12P** |
| 350 | 32 | 2/12/64 | 84 | 3.6 | 3.0 | 6° | TCG | 1 | **284.092.14P** |
| 350 | 32 | 2/12/64 | 108 | 3.6 | 3.0 | 6° | TCG | 1 | **284.108.14P** |
| 400 | 32 | 2/12/64 | 96 | 4.0 | 3.2 | 6° | TCG | 1 | **284.096.16P** |
| 420 | 32 | 2/12/64 | 96 | 3.8 | 3.2 | 6° | TCG | 1 | **284.096.17P** |
| 450 | 30 | 2/10/60 | 108 | 4.2 | 3.5 | 6° | TCG | 1 | **284.108.18M** |
| 450 | 32 | 2/12/64 | 108 | 4.2 | 3.5 | 6° | TCG | 1 | **284.108.18P** |
| 500 | 30 | 2/10/60 | 120 | 4.3 | 3.5 | 10° | TCG | 1 | **284.120.20M** |
| 500 | 32 | 2/12/64 | 120 | 4.3 | 3.5 | 10° | TCG | 1 | **284.120.20P** |
| new 550 | 30 | 2/11/63 - 2/11/70 | 132 | 4.3 | 3.5 | 10° | TCG | 1 | **284.132.22M** |
| new 550 | 32 | 2/11/63 - 2/11/70 | 132 | 4.3 | 3.5 | 10° | TCG | 1 | **284.132.22P** |

## 284 INDUSTRIAL




HW

PERFORMANCE

NON-FERROUS

## MACHINES

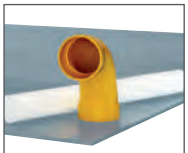
CIRCULAR SAW

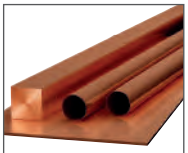
MITRE SAW

*Blade diameter compatibility is contingent on machine type.*

## MATERIALS

ALUMINIUM


PLASTICS


COPPER

BRASS

PLASTERBOARD

*For specific details regarding suggested materials, please check blade label.*

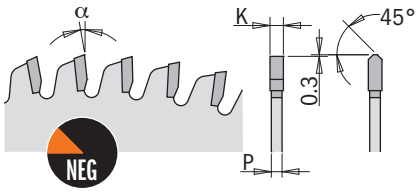
| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|
| 160 | 20 | 2/6/32 | 24 | 2.2 | 1.6 | 5° | TCG | 10 | **284.160.24H** ● |
| 190 | 30 | 2/7/42 | 30 | 2.6 | 2.2 | 5° | TCG | 10 | **284.190.30M** |
| 216 | 30 | 2/7/42 | 40 | 2.6 | 2.2 | 5° | TCG | 10 | **284.216.40M** ● |

● Ideal for **FESTOOL®** & others

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

# 296-297

## ORANGE CHROME®



**NON-FERROUS**

## MACHINES

CIRCULAR SAW

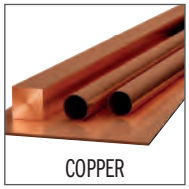
MITRE SAW

SLIDE MITRE SAW

*Blade diameter compatibility is contingent on machine type.*

## MATERIALS

ALUMINIUM


COPPER

BRASS

PLASTICS

MELAMINE

| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|
| 160 | 20 | 2/6/32 | 52 | 2.2 | 1.8 | -5° | TCG | 1 | **296.760.52H** ● |
| 160 | 20 | 2/6/32 | 52 | 1.8 | 1.2 | -5° | TCG | 1 | **296.761.52H** ● |
| 168 | 20 | 2/6/32 | 52 | 1.8 | 1.2 | -5° | TCG | 1 | **296.768.52H** ● |
| 216 | 30 | 2/7/42 | 64 | 2.3 | 1.6 | 0° | TCG | 1 | **297.816.64M** ● |

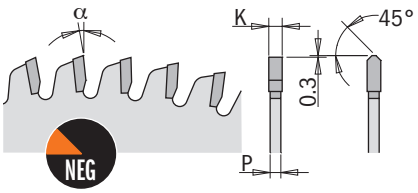
● Ideal for **FESTOOL®** & others



® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

CMT ORANGE TOOLS®

## 297 XTREME




HW

PERFORMANCE

NON-FERROUS

## MACHINES

MITRE SAW

SLIDE MITRE SAW

PORTABLE TABLE SAW

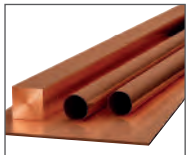
TABLE SAW

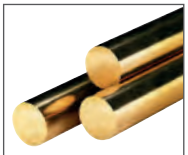
DOUBLE MITRE SAWS

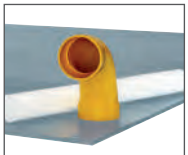
*Blade diameter compatibility is contingent on machine type.*

## MATERIALS

ALUMINIUM


COPPER

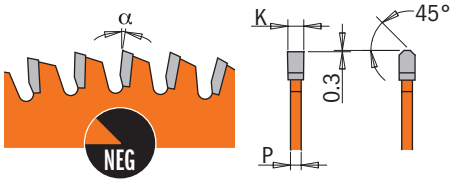

BRASS


PLASTICS

MELAMINE

| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|
| 250 | 30 | COMBI3 | 80 | 3.2 | 2.5 | -6° | TCG | 1 | **297.080.10M** |
| 250 | 32 | 2/12/64 | 80 | 3.2 | 2.5 | -6° | TCG | 1 | **297.080.10P** |
| 254 | 30 | COMBI3 | 80 | 3.2 | 2.5 | -6° | TCG | 1 | **297.081.10M** |
| 260 | 30 | COMBI3 | 80 | 3.2 | 2.5 | -6° | TCG | 1 | **297.080.11M** |
| 280 | 30 | COMBI3 | 64 | 3.2 | 2.5 | -6° | TCG | 1 | **297.064.11M** |
| 300 | 30 | COMBI3 | 96 | 3.2 | 2.5 | -6° | TCG | 1 | **297.096.12M** |
| 300 | 32 | 2/12/64 | 96 | 3.2 | 2.5 | -6° | TCG | 1 | **297.096.12P** |
| 305 | 30 | COMBI3 | 96 | 3.2 | 2.5 | -6° | TCG | 1 | **297.096.13M** |
| 315 | 30 | COMBI3 | 96 | 3.2 | 2.5 | -6° | TCG | 1 | **297.096.23M** |
| 330 | 30 | COMBI3 | 96 | 3.6 | 3.0 | -6° | TCG | 1 | **297.096.33M** |
| 330 | 32 | COMBI3 | 96 | 3.6 | 3.0 | -6° | TCG | 1 | **297.096.33P** |
| 350 | 30 | COMBI3 | 108 | 3.6 | 3.0 | -6° | TCG | 1 | **297.108.14M** |
| 350 | 32 | 4/12/64 | 108 | 3.6 | 3.0 | -6° | TCG | 1 | **297.108.14P** |
| 400 | 30 | 2/10/60 | 120 | 4.0 | 3.2 | -6° | TCG | 1 | **297.120.16M** |
| 400 | 32 | 4/12/64 | 96 | 4.0 | 3.2 | -6° | TCG | 1 | **297.108.16P** |
| 400 | 32 | 4/12/64 | 120 | 4.0 | 3.2 | -6° | TCG | 1 | **297.120.16P** |
| 450 | 30 | 2/10/60 | 96 | 4.2 | 3.5 | -6° | TCG | 1 | **297.108.18M** |
| 450 | 30 | 2/10/60 | 120 | 4.2 | 3.5 | -6° | TCG | 1 | **Y297.140.18M** |
| 450 | 32 | 2/12/64 | 96 | 4.2 | 3.5 | -6° | TCG | 1 | **297.108.18P** |
| 450 | 32 | 4/12/64 | 120 | 4.2 | 3.5 | -6° | TCG | 1 | **297.120.18P** |
| 500 | 30 | 2/10/60 | 120 | 4.3 | 3.5 | -6° | TCG | 1 | **297.120.20M** |
| 500 | 32 | 2/12/64 | 120 | 4.3 | 3.5 | -6° | TCG | 1 | **297.120.20P** |
| new 550 | 32 | 4/12/64 | 148 | 4.3 | 3.5 | 5° | TCG | 1 | **Y297.148.22P** |

# 296-297 INDUSTRIAL




HW

PERFORMANCE

NON-FERROUS

## MACHINES

*Blade diameter compatibility is contingent on machine type.*

## MATERIALS

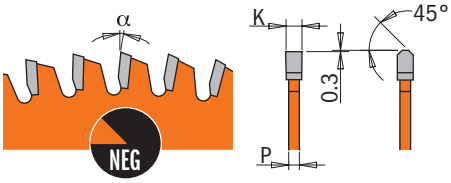
| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|
| 120 | 20 | 2/5.5/30 | 36 | 1.8 | 1.2 | -6° | TCG | 10 | **296.120.36H** |
| 160 | 20 | 2/6/32 | 40 | 2.2 | 1.6 | -6° | TCG | 10 | **296.160.40H** ● |
| 160 | 20 | 2/6/32 | 56 | 2.2 | 1.6 | -6° | TCG | 10 | **296.160.56H** ● |
| 165 | 20 | 2/6/32 | 40 | 2.2 | 1.6 | -6° | TCG | 10 | **296.165.40H** |
| 165 | 20 | 2/6/32 | 56 | 2.2 | 1.6 | -6° | TCG | 10 | **296.165.56H** |
| 180 | 20 | 2/6/32 | 40 | 2.8 | 2.2 | -6° | TCG | 10 | **296.180.40H** |
| 190 | 30 | 2/7/42 | 40 | 2.8 | 2.2 | -6° | TCG | 10 | **296.190.40M** |
| 190 | 30 | 2/7/42 | 64 | 2.8 | 2.2 | -6° | TCG | 10 | **296.190.64M** |
| 190 | 20 (FESTOOL® FF) | Key 5/7/2.5 | 64 | 2.8 | 2.2 | -6° | TCG | 10 | **296.190.64FF** ● |
| 200 | 30 | COMBI3 | 48 | 2.8 | 2.2 | -6° | TCG | 10 | **296.200.48M** |
| 210 | 30 | 2/7/42 | 48 | 2.8 | 2.2 | -6° | TCG | 10 | **296.210.48M** ● |
| 210 | 30 | 2/7/42 | 64 | 2.8 | 2.2 | -6° | TCG | 10 | **296.210.64M** ● |
| 216 | 30 | 2/7/42 | 64 | 2.8 | 2.2 | -6° | TCG | 10 | **297.064.09M** ● |
| 216 | 30 | 2/7/42 | 80 | 2.8 | 2.2 | -6° | TCG | 10 | **297.080.09M** ● |
| 225 | 30 | 2/7/42 | 64 | 2.8 | 2.2 | -6° | TCG | 10 | **296.225.64M** ● |
| 230 | 30 | 2/7/42 | 48 | 2.8 | 2.2 | -6° | TCG | 10 | **296.230.48M** ● |
| 235 | 30 | 2/7/42 | 48 | 2.8 | 2.2 | -6° | TCG | 10 | **296.235.48M** |

● Ideal for FESTOOL® & others



® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

## 276 ITK PLUS®




HW

PERFORMANCE

NON-FERROUS

## MACHINES

CORDLESS CIRCULAR SAW

CIRCULAR SAW

MITRE SAW

SLIDE MITRE SAW

RADIAL ARM

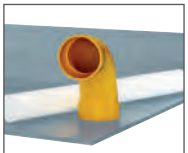
TABLE SAW

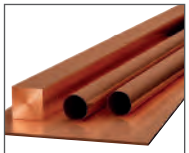
BATTERY SAVER

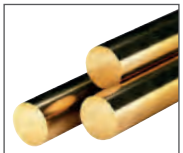
*Blade diameter compatibility is contingent on machine type.*

## MATERIALS

ALUMINIUM


PLASTICS


COPPER


BRASS

MELAMINE

| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|
| 140 | 20 | 2/6/32.5 | 48 | 1.8 | 1.2 | -6° | TCG | 10 | **276.140.48H** |
| 160 | 20 (+16) | 2/6/32 | 48 | 1.8 | 1.2 | -6° | TCG | 10 | **276.160.48H** ● |
| 165 | 20 (+15.88) | 2/6/32 | 56 | 1.8 | 1.2 | -6° | TCG | 10 | **276.165.56H** |
| 168 | 20 | - | 52 | 1.8 | 1.2 | -5° | TCG | 10 | **276.168.52H** ● |
| 184 | 20 (+16+15.88) | 2/7/42 | 48 | 1.8 | 1.2 | -6° | TCG | 10 | **276.184.48H** |
| 190 | 30 (+20+16) | 2/7/42 | 64 | 1.8 | 1.2 | -6° | TCG | 10 | **276.190.64M** |
| 210 | 30 (+25) | 2/7/42 | 64 | 1.8 | 1.2 | -6° | TCG | 10 | **276.210.64M** ● |
| 216 | 30 | 2/7/42 | 64 | 2.2 | 1.6 | -6° | TCG | 10 | **276.216.64M** ● |
| 250 | 30 | COMBI3 | 80 | 2.6 | 1.8 | -6° | TCG | 10 | **276.250.80M** |
| 300 | 30 | COMBI3 | 96 | 2.8 | 2.0 | -6° | TCG | 5 | **276.300.96M** |
| 305 | 30 | COMBI3 | 96 | 2.8 | 2.0 | -6° | TCG | 5 | **276.305.96M** |

● Ideal for **FESTOOL®** & others

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

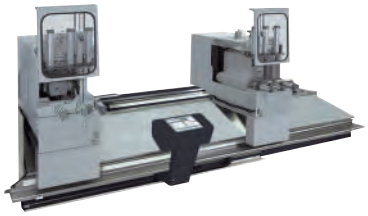
| MATERIALS | COATING TYPE: VAPO | COATING TYPE: TiCN |
|---|---|---|
| STEEL (<500 N/mm²) | ★ ★ | ★ ★ ★ ★ |
| STEEL (<800 N/mm²) | ★ ★ | ★ ★ ★ |
| STEEL (<1200 N/mm²) | ★ ★ | ★ ★ ★ ★ |
| STAINLESS STEEL | ★ ★ | ★ ★ ★ ★ |
| CAST IRON | ★ ★ | ★ ★ ★ ★ |
| ALUMINIUM/ALLOY AL. | ★ ★ | ★ ★ ★ ★ |
| TITANIUM | ★ | ★ ★ |
| BRONZE | NOT RECOMMENDED | ★ ★ ★ ★ |
| COPPER | NOT RECOMMENDED | ★ ★ ★ |
| BRASS | NOT RECOMMENDED | ★ ★ ★ |
| **TECHNICAL INFO** | **VAPO** | **TiCN** |
| COLOR | BLACK | BROWN - RED |
| HARDNESS (HV) | 800 | 3200 |
| THICKNESS (µm) | 2 - 4 | 2 - 4 |
| COEFFICIENT OF FRICTION | 0.6 | 0.2 |
| MAX. WORKING TEMPERATURE | 350°C | 450°C |

| MATERIALS | V (m/min.) MIN. ~ MAX |
|---|---|
| STEEL (<500 N/mm²): | 30 ~ 60 |
| STEEL (<800 N/mm²): | 25 ~ 40 |
| STEEL (<1200 N/mm²): | 15 ~ 30 |
| STAINLESS STEEL: | 15 ~ 30 |
| CAST IRON: | 25 ~ 50 |
| ALUMINIUM/ALLOY AL.: | 500 ~ 700 |
| TITANIUM: | 15 ~ 20 |
| BRONZE: | 200 ~ 300 |
| COPPER: | 200 ~ 400 |
| BRASS: | 400 ~ 600 |

**SUGGESTED SPEED** (BW - C/HZ)

$$RPM = \frac{1000 \times V\ (m/min.)}{3.14 \times D\ (mm)}$$

MANUAL,
SEMI-AUTOMATIC
& AUTOMATIC MACHINES



Suggested use with
Emulsion/Spray Oil

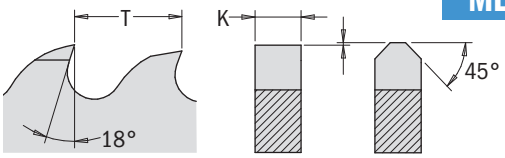
## Metal & Steel

HSS
HIGH SPEED STEEL
DMo5

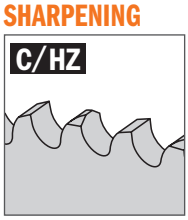
## 227 HSS LINE

HSS

METAL & STEEL




**SHARPENING**




**APPLICATIONS**

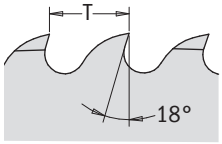
SOLID PROFILE/SECTIONS
& THICK PIPES/TUBES

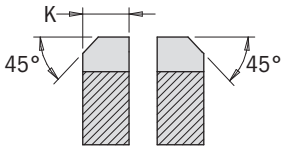
| D mm | B mm | PIN HOLE | Z | K mm | PITCH T | β | COATING | ORDER NO. |
|---|---|---|---|---|---|---|---|---|
| 250 | 32 | 2/8/45+2/9/50+2/11/63 | 128 | 2.0 | T6 | C/HZ | VAPO | **227.250.128P** |
| 275 | 32 | 2/8/45+2/9/50+2/11/63 | 140 | 2.5 | T6 | C/HZ | VAPO | **227.275.140P** |
| 300 | 32 | 2/8/45+2/9/50+2/11/63 | 160 | 2.5 | T6 | C/HZ | VAPO | **227.300.160P** |
| 315 | 32 | 2/8/45+2/9/50+2/11/63 | 160 | 2.5 | T6 | C/HZ | VAPO | **227.315.160P** |
| 350 | 32 | 2/8/45+2/9/50+2/11/63 | 180 | 2.5 | T6 | C/HZ | VAPO | **227.350.180P** |

## 227 HSS LINE

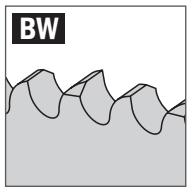
HSS

**METAL & STEEL**




**SHARPENING**




**APPLICATIONS**

PROFILE/SECTIONS & PIPES/TUBES

| D mm | B mm | PIN HOLE | Z | K mm | PITCH T | β | COATING | ORDER NO. |
|---|---|---|---|---|---|---|---|---|
| 200 | 32 | 2/8/45+2/9/50+2/11/63 | 160 | 1.8 | T4 | BW | VAPO | **227.200.160P** |
| 225 | 32 | 2/8/45+2/9/50+2/11/63 | 180 | 1.9 | T4 | BW | VAPO | **227.225.180P** |
| 250 | 32 | 2/8/45+2/9/50+2/11/63 | 160 | 2.0 | T5 | BW | VAPO | **227.250.160P** |
| 250 | 32 | 2/8/45+2/9/50+2/11/63 | 200 | 2.0 | T4 | BW | VAPO | **227.250.200P** |
| 275 | 32 | 2/8/45+2/9/50+2/11/63 | 220 | 2.5 | T4 | BW | VAPO | **227.275.220P** |
| 300 | 32 | 2/8/45+2/9/50+2/11/63 | 220 | 2.5 | T4 | BW | VAPO | **227.300.220P** |
| 315 | 32 | 2/8/45+2/9/50+2/11/63 | 240 | 2.5 | T4 | BW | VAPO | **227.315.240P** |
| 350 | 32 | 2/8/45+2/9/50+2/11/63 | 280 | 2.5 | T4 | BW | VAPO | **227.350.280P** |

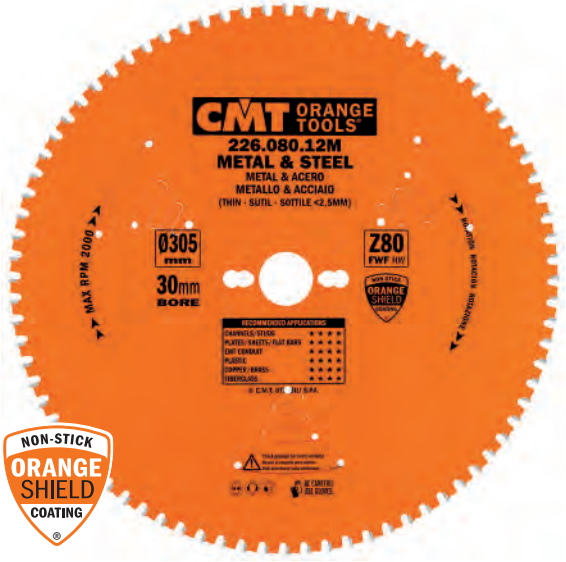
| D mm | B mm | PIN HOLE | Z | K mm | PITCH T | β | COATING | ORDER NO. |
|---|---|---|---|---|---|---|---|---|
| 250 | 32 | 2/8/45+2/9/50+2/11/63 | 200 | 2.0 | T4 | BW | TiCN | **227.250.700P** |
| 275 | 32 | 2/8/45+2/9/50+2/11/63 | 220 | 2.0 | T4 | BW | TiCN | **227.275.722P** |
| 275 | 32 | 2/8/45+2/9/50+2/11/63 | 220 | 2.5 | T5 | BW | TiCN | **227.275.720P** |
| 300 | 32 | 2/8/45+2/9/50+2/11/63 | 220 | 2.0 | T4 | BW | TiCN | **227.300.722P** |
| 300 | 32 | 2/8/45+2/9/50+2/11/63 | 220 | 2.5 | T4 | BW | TiCN | **227.300.720P** |
| 315 | 32 | 2/8/45+2/9/50+2/11/63 | 240 | 2.5 | T4 | BW | TiCN | **227.315.740P** |
| 350 | 32 | 2/8/45+2/9/50+2/11/63 | 280 | 2.5 | T4 | BW | TiCN | **227.350.780P** |

## 227 HSS LINE

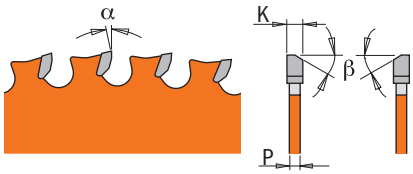
HSS

**METAL & STEEL**

| D mm | B mm | PIN HOLE | Z | K mm | β | COATING | ORDER NO. |
|---|---|---|---|---|---|---|---|
| 200 | 32 | 2/8/45+2/9/50+2/11/63 | 0 | 1.8 | NOT SHARPENED | VAPO | **227.200P** |
| 225 | 32 | 2/8/45+2/9/50+2/11/63 | 0 | 1.9 | NOT SHARPENED | VAPO | **227.225P** |
| 250 | 32 | 2/8/45+2/9/50+2/11/63 | 0 | 2.0 | NOT SHARPENED | VAPO | **227.250P** |
| 275 | 32 | 2/8/45+2/9/50+2/11/63 | 0 | 2.5 | NOT SHARPENED | VAPO | **227.275P** |
| 300 | 32 | 2/8/45+2/9/50+2/11/63 | 0 | 2.5 | NOT SHARPENED | VAPO | **227.300P** |
| 315 | 32 | 2/8/45+2/9/50+2/11/63 | 0 | 2.5 | NOT SHARPENED | VAPO | **227.315P** |
| 350 | 32 | 2/8/45+2/9/50+2/11/63 | 0 | 2.5 | NOT SHARPENED | VAPO | **227.350P** |




## 226 INDUSTRIAL




HW

PERFORMANCE

METAL & STEEL

## MACHINES

CIRCULAR SAW

MITRE & CHOP MITRE SAW

LOW RPM/COLD SAW

*Blade diameter compatibility is contingent on machine type.*

## MATERIALS

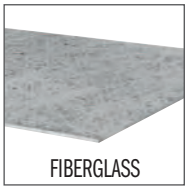
CHANNELS/STUDS/ANGLES

PLATES/SHEETS/FLAT BARS

EMT CONDUIT

PLASTICS

COPPER/BRASS


FIBERGLASS

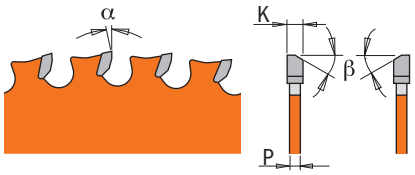
| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | MAX RPM | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|---|
| 136* | 20 (+10) | - | 56 | 1.5 | 1.2 | 0° | FWF 8° | 6000 | 10 | **226.136.56H** |
| 150 | 20 | - | 60 | 1.6 | 1.2 | 0° | FWF 8° | 6000 | 10 | **226.150.60H** |
| 160 | 20 (+16) | 2/6/32 | 60 | 2.0 | 1.6 | 0° | FWF 8° | 6000 | 10 | **226.160.60H** ● |
| 165 | 20 (+15.88) | 2/6/32 | 60 | 1.6 | 1.2 | 0° | FWF 8° | 6000 | 10 | **226.165.60H** |
| 184 | 30 (+16+20) | 2/7/42 | 64 | 2.0 | 1.6 | 0° | FWF 8° | 6000 | 10 | **226.184.64M** |
| 190 | 30 (+20) | 2/7/42 | 64 | 2.0 | 1.6 | 0° | FWF 8° | 6000 | 10 | **226.190.64M** |
| 210 | 30 | 2/7/42 | 64 | 2.2 | 1.8 | 0° | FWF 8° | 4500 | 10 | **226.210.64M** ● |
| 216 | 30 | 2/7/42 | 64 | 2.2 | 1.8 | 0° | FWF 8° | 4500 | 10 | **226.216.64M** ● |
| 254 | 25.4 (+15.88) | - | 60 | 2.2 | 1.8 | 0° | FWF 8° | 3000 | 5 | **226.060.10** |
| 254 | 30 | COMBI3 | 60 | 2.2 | 1.8 | 0° | FWF 8° | 3000 | 5 | **226.060.10M** |
| 305 | 25 | - | 80 | 2.2 | 1.8 | 0° | FWF 8° | 2000 | 5 | **226.080.12** |
| 305 | 30 | COMBI3 | 80 | 2.2 | 1.8 | 0° | FWF 8° | 2000 | 5 | **226.080.12M** |
| 355 | 25 | - | 90 | 2.2 | 1.8 | 0° | FWF 8° | 2000 | 5 | **226.090.14** |
| 355 | 30 | COMBI3 | 90 | 2.2 | 1.8 | 0° | FWF 8° | 2000 | 5 | **226.090.14M** |

● Ideal for **FESTOOL®** & others

*Non-Silent Blades

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

## 226 INDUSTRIAL




HW

PERFORMANCE

METAL & STEEL

## MACHINES

CIRCULAR SAW

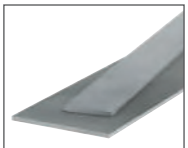
MITRE & CHOP MITRE SAW

LOW RPM/COLD SAW

*Blade diameter compatibility is contingent on machine type.*

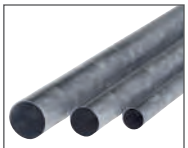
## MATERIALS

CHANNELS/STUDS/ANGLES


PLATES/SHEETS/FLAT BARS

PIPES/TUBES

RODS


EMT CONDUIT

| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | MAX RPM | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|---|
| 136* | 20 (+10+12.7) | - | 30 | 1.5 | 1.2 | 0° | FWF 8° | 6000 | 10 | **226.030.05H** |
| 150 | 20 | - | 32 | 1.6 | 1.2 | 0° | FWF 8° | 6000 | 10 | **226.032.06H** |
| 160 | 20 | 2/6/32 | 30 | 2.0 | 1.6 | 0° | FWF 8° | 6000 | 10 | **226.030.06H** ● |
| 165 | 15.88 | - | 36 | 1.6 | 1.2 | 0° | FWF 8° | 6000 | 10 | **226.036.06** |
| 165 | 20 | 2/6/32 | 36 | 1.6 | 1.2 | 0° | FWF 8° | 6000 | 10 | **226.036.06H** |
| 165 | 30 | 2/7/42 | 36 | 1.6 | 1.2 | 0° | FWF 8° | 6000 | 10 | **226.036.06M** |
| 184 | 15.88 | - | 48 | 2.0 | 1.6 | 0° | FWF 8° | 6000 | 10 | **226.048.07** |
| 190 | 30 | 2/7/42 | 40 | 2.0 | 1.6 | 0° | FWF 8° | 6000 | 10 | **226.040.07M** |
| 203 | 15.88 | - | 48 | 2.2 | 1.8 | 0° | FWF 8° | 4500 | 10 | **226.048.08** |
| 210 | 30 (+25.4+15.88) | 2/7/42 | 48 | 2.2 | 1.8 | 0° | FWF 8° | 4500 | 10 | **226.048.08M** ● |
| 216 | 30 | 2/7/42 | 48 | 2.2 | 1.8 | 0° | FWF 8° | 4500 | 10 | **226.047.09M** ● |
| 235 | 30 | 2/7/42 | 48 | 2.2 | 1.8 | 0° | FWF 8° | 3500 | 10 | **226.048.09M** |
| 254 | 25.4 (+15.88) | - | 48 | 2.2 | 1.8 | 0° | FWF 8° | 3000 | 5 | **226.048.10** |
| 305 | 25 | - | 60 | 2.2 | 1.8 | 0° | FWF 8° | 2000 | 5 | **226.060.12** |
| 355 | 25 | - | 72 | 2.2 | 1.8 | 0° | FWF 8° | 2000 | 5 | **226.072.14** |

● Ideal for **FESTOOL®** & others

*Non-Silent Blades

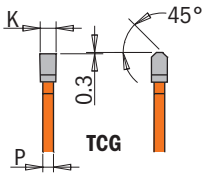
® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

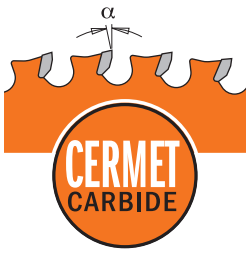
## 226 INDUSTRIAL

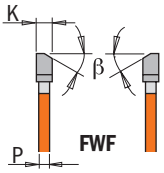
HW

PERFORMANCE

METAL & STEEL




## MACHINES

CIRCULAR SAW

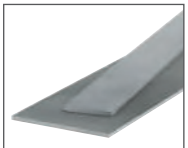
MITRE & CHOP MITRE SAW

LOW RPM/COLD SAW

*Blade diameter compatibility is contingent on machine type.*

## MATERIALS

CHANNELS/STUDS/ANGLES


PLATES/SHEETS/FLAT BARS

PIPES/TUBES

RODS

EMT CONDUIT

Suggested for Stainless steel of common use, such as 302, 303 and 304.

With higher degrees of hardness, performance is not guaranteed (e.g. 316)

| D mm | B mm | PIN HOLE | Z | K mm | P mm | α | β | MAX RPM | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|---|
| 160 | 20 | 2/6/32 | 40 | 1.8 | 1.4 | 0° | TCG | 6000 | 10 | **226.540.06H** ● |
| 184 | 15.88 | Knok Out < > | 48 | 2.0 | 1.6 | 0° | TCG | 6000 | 10 | **226.548.07** |
| 190 | 30 | 2/7/42 | 48 | 1.8 | 1.4 | 0° | TCG | 6000 | 10 | **226.548.07M** |
| 216 | 30 | 2/7/42 | 56 | 1.8 | 1.4 | 0° | TCG | 4500 | 10 | **226.556.09M** ● |
| 250 | 30 | COMBI3 | 72 | 2.2 | 1.8 | 0° | FWF 10° | 3000 | 5 | **226.572.10M** |
| 254 | 25.4 (+15.88) | - | 72 | 2.2 | 1.8 | 0° | FWF 10° | 3000 | 5 | **226.572.10** |
| 300 | 30 | COMBI3 | 80 | 2.2 | 1.8 | 0° | FWF 10° | 2000 | 5 | **226.580.12M** |
| 305 | 25.4 | - | 80 | 2.2 | 1.8 | 0° | FWF 10° | 2000 | 5 | **226.580.12** |
| 355 | 30 | COMBI3 | 90 | 2.2 | 1.8 | 0° | FWF 10° | 2000 | 5 | **226.590.14M** |
| 355 | 25.4 | - | 90 | 2.2 | 1.8 | 0° | FWF 10° | 2000 | 5 | **226.590.14** |

● Ideal for **FESTOOL®** & others



® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

# Calibration & Sanding Disks

## 299.11

Use the CMT calibration disk to align your blade perfectly. Mount the disk on your bench saw and verify the angle using a 90° triangular ruler.
Then, mount your blade to work flawlessly.
You can also mount an adhesive abrasive disk to your calibration disk, which will help sand and remove impurities from materials that you worked.

| D mm | B mm | P mm | | ORDER NO. |
|---|---|---|---|---|
| 200 | 30 | 2.8 | 10 | **299.111.00M** |
| 250 | 30 | 2.8 | 10 | **299.112.00M** |

# Saw Blades Stabilizers

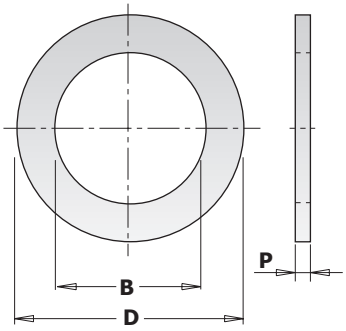
## 299.10

The CMT blade stabilizer reduces vibrations in the peripheral part of the blade to make cleaner, straighter cuts which ultimately extends the life of your CMT saw blade.
It also helps lessen noise caused by vibration during cutting.

| DESCRIPTION | D mm | B mm | P mm | | ORDER NO. |
|---|---|---|---|---|---|
| Stabilizer (2 pcs.) for Ø200mm | 75 | 30 | 3.0 | 5 | **299.101.00M** |
| Stabilizer (2 pcs.) for Ø250mm | 125 | 30 | 3.0 | 5 | **299.102.00M** |
| Stabilizer (2 pcs.) for Ø300mm | 152 | 30 | 3.0 | 5 | **299.103.00M** |

**NOTE: for use on stationary saws only.**

# Reduction Rings for Saw Blades




## 299

| D mm | B mm | P mm | | ORDER NO. |
|---|---|---|---|---|
| 15.88 | 10 | 1.2 | 10 | **299.218.00** |
| 15.88 | 12.7 | 1.2 | 10 | **299.217.00** |
| 20 | 10 | 1.2 | 10 | **299.244.00** |
| 20 | 12.7 | 1.2 | 10 | **299.221.00** |
| 20 | 12.7 | 1.6 | 10 | **299.401.00** |
| 20 | 13 | 1.6 | 10 | **299.402.00** |
| 20 | 15 | 1.6 | 10 | **299.403.00** |
| 20 | 15.88 | 1.2 | 10 | **299.245.00** |
| 20 | 15.88 | 1.4 | 10 | **299.243.00** |
| 20 | 16 | 1.0 | 10 | **299.351.00** |
| 20 | 16 | 1.2 | 10 | **299.222.00** |
| 20 | 16 | 1.6 | 10 | **299.404.00** |
| 20 | 18 | 1.4 | 10 | **299.236.00** |
| 22.23 | 15 | 1.4 | 10 | **299.237.00** |
| 22.23 | 16 | 1.4 | 10 | **299.242.00** |
| 22.23 | 20 | 1.4 | 10 | **299.238.00** |
| 25 | 16 | 2.0 | 10 | **299.301.00** |
| 25 | 20 | 2.0 | 10 | **299.302.00** |
| 25.4 | 15.88 | 1.4 | 10 | **299.216.00** |
| 25.4 | 19.05 | 1.4 | 10 | **299.213.00** |
| 25.4 | 20 | 1.4 | 10 | **299.214.00** |
| 25.4 | 20 | 2.3 | 10 | **299.220.00** |
| 25.4 | 22 | 1.4 | 10 | **299.215.00** |
| 25.4 | 22.23 | 1.4 | 10 | **299.239.00** |
| 25.4 | 22.23 | 2.3 | 10 | **299.219.00** |

| D mm | B mm | P mm | | ORDER NO. |
|---|---|---|---|---|
| 30 | 15 | 1.4 | 10 | **299.240.00** |
| 30 | 15.88 | 1.4 | 10 | **299.211.00** |
| 30 | 15.88 | 2.0 | 10 | **299.303.00** |
| 30 | 16 | 1.2 | 10 | **299.451.00** |
| 30 | 16 | 1.4 | 10 | **299.223.00** |
| 30 | 16 | 2.0 | 10 | **299.226.00** |
| 30 | 18 | 1.4 | 10 | **299.232.00** |
| 30 | 19.05 | 1.4 | 10 | **299.241.00** |
| 30 | 19.05 | 2.0 | 10 | **299.305.00** |
| 30 | 20 | 1.2 | 10 | **299.452.00** |
| 30 | 20 | 1.4 | 10 | **299.224.00** |
| 30 | 20 | 2.0 | 10 | **299.227.00** |
| 30 | 22 | 1.4 | 10 | **299.231.00** |
| 30 | 25 | 1.4 | 10 | **299.225.00** |
| 30 | 25 | 2.0 | 10 | **299.228.00** |
| 30 | 25.4 | 1.6 | 10 | **299.405.00** |
| 30 | 25.4 | 2.0 | 10 | **299.212.00** |
| 32 | 20 | 2.0 | 10 | **299.309.00** |
| 32 | 30 | 2.0 | 10 | **299.229.00** |
| 35 | 20 | 2.0 | 10 | **299.311.00** |
| 35 | 25 | 2.0 | 10 | **299.312.00** |
| 35 | 25.4 | 2.0 | 10 | **299.313.00** |
| 35 | 30 | 2.0 | 10 | **299.230.00** |
| 35 | 32 | 2.0 | 10 | **299.233.00** |
| 40 | 30 | 2.0 | 10 | **299.316.00** |

| D mm | B mm | Z | K mm | P mm | α | β | MATERIALS APPLICATION | PERFORMANCE | ORDER NO. | PAGE |
|---|---|---|---|---|---|---|---|---|---|---|
| 50 | 10 | 20 | 1.1 | 0.8 | 15° | ATB 10° + Shear 8° | WOOD | ★★★★ | 273.050.20D | 33 |
| 70 | 20 | 8+8 | 2.8-3.6 | - | 12° | FLAT | WOOD | ★★★★★ | 289.070.16H | 50 |
| 80 | 10 | 36 | 1.6 | 1.0 | 15° | ATB 10° + Shear 8° | WOOD | ★★★★ | 273.080.36D | 33 |
| 80 | 20 | 10+10 | 2.8-3.6 | - | 12° | FLAT | WOOD | ★★★★★ | 289.080.20H | 50 |
| 80 | 20 | 12 | 3.1-3.6 | 2.2 | 10° | CO + FLAT | WOOD | ★★★★★ | S288.080.12H | 51 |
| 85 | 15 | 6 | 1.8 | 1.4 | 12° | TCG | MULTI-MATERIALS | ★★★★ | 236.085.06G | 11 |
| 86 | 15 | 24 | 1.5 | 1.0 | 12° | ATB 5° | WOOD | ★★ | K02403 | 52 |
| 100 | 20 | 10+10 | 2.8-3.6 | - | 12° | FLAT | WOOD | ★★★★★ | 289.100.20H | 50 |
| 100 | 22 | 10+10 | 2.8-3.6 | - | 12° | FLAT | WOOD | ★★★★★ | 289.100.20K | 50 |
| 100 | 20 | 20 | 3.1-4.0 | 2.5 | 5° | CO + ATB 5° | WOOD | ★★★★★ | 288.100.20H | 51 |
| 100 | 22 | 20 | 3.1-4.0 | 2.5 | 5° | CO + ATB 5° | WOOD | ★★★★★ | 288.100.20K | 51 |
| 100 | 22 | 6 | 3.96 | 3.0 | 18° | ATB 10° | WOOD | ★★★★ | 240.006.04 | 60 |
| 100 | 22 | 8 | 3.96 | 3.0 | 15° | ATB 10° | WOOD | ★★★★ | 240.008.04 | 60 |
| 100 | 22 | 8 | 3.96 | 3.1 - 3.8 | 15° | FLAT | WOOD | ★★★★ | 241.008.04 | 60 |
| 100 | 22 | 4 | 8.0 | 6.0 | 18° | - | WOOD | ★★★★★ | 240.004.04 | 60 |
| 100.4 | 22 | 3 | 7.0 | 4.0 | 20° | TCG | WOOD | ★★★★★ | 240.601.04 | 57 |
| 100.4 | 30 | 3 | 7.0 | 4.0 | 20° | TCG | WOOD | ★★★★★ | 240.601.04M | 57 |
| 100.4 | 22 | 6 | 7.0 | 4.0 | 20° | TCG | WOOD | ★★★★ | 240.001.04 | 57 |
| 115 | 22.23 (+9.53+15.88) | - | - | - | - | - | MULTI-MATERIALS | - | 286.115.01 | 10 |
| 115 | 22.23 (+9.53+15.88) | - | - | - | - | - | MULTI-MATERIALS | - | 286.115.61 | 10 |
| 115 | 9.5 | 24 | 1.5 | 1.0 | 20° | ATB 10° + Shear 8° | WOOD | ★★★★ | 272.115.24 | 29 |
| 120 | 20 | 18 | 1.8 | 1.2 | 15° | ATB 15° | WOOD | ★★★★ | 291.120.18H | 24 |
| 120 | 20 | 40 | 1.8 | 1.2 | 10° | ATB 15° | WOOD | ★★★★ | 292.120.40H | 28 |
| 120 | 20 | 20 | 3.1-3.7 | 2.2 | 5° | CO + FLAT | WOOD | ★★★★★ | 238.120.20H | 47 |
| 120 | 20 | 12+12 | 2.8-3.6 | - | 12° | FLAT | WOOD | ★★★★★ | 289.120.24H | 50 |
| 120 | 22 | 12+12 | 2.8-3.6 | - | 12° | FLAT | WOOD | ★★★★★ | 289.120.24K | 50 |
| 120 | 50 | 12+12 | 2.8-3.6 | - | 12° | FLAT | WOOD | ★★★★★ | 289.120.24T | 50 |
| 120 | 20 | 24 | 3.1-4.0 | 2.5 | 5° | CO + ATB 5° | WOOD | ★★★★★ | 288.120.24H | 51 |
| 120 | 20 | 24 | 2.8-4.0 | 2.5 | 5° | CO + ATB 5° | WOOD | ★★★★★ | 288.121.24H | 51 |
| 120 | 20 | 24 | 3.4-4.2 | 2.5 | 5° | CO + ATB 5° | WOOD | ★★★★★ | 288.120.24H1 | 51 |
| 120 | 22 | 24 | 3.1-4.0 | 2.5 | 5° | CO + ATB 5° | WOOD | ★★★★★ | 288.120.24K | 51 |
| 120 | 20 | 24 | 4.0 | 3.0 | 10° | ATB 10° | WOOD | ★★★★ | 240.120.040H | 58 |
| 120 | 20 | 36 | 1.8 | 1.2 | -6° | TCG | NON-FERROUS | ★★★★ | 296.120.36H | 68 |
| 125 | 22.23 (+20+15.88) | - | - | - | - | - | MULTI-MATERIALS | - | 286.125.01 | 10 |
| 125 | 22.23 (+20+15.88) | - | - | - | - | - | MULTI-MATERIALS | - | 286.125.61 | 10 |
| 125 | 22.23 | 7 | 2.0 | 1.4 | 5° | TCG | MULTI-MATERIALS | ★★★★ | 236.125.07 | 11 |
| 125 | 20 | 20 | 2.4 | 1.4 | 15° | ATB 15° | WOOD | ★★★★ | 291.125.20H | 24 |
| 125 | 20 | 36 | 2.4 | 1.4 | 15° | ATB 15° | WOOD | ★★★★ | 292.125.36H | 28 |
| 125 | 20 | 20 | 3.1-3.7 | 2.2 | 5° | CO + FLAT | WOOD | ★★★★★ | 238.125.20H | 47 |
| 125 | 20 | 12+12 | 2.8-3.6 | - | 12° | FLAT | WOOD | ★★★★★ | 289.125.24H | 50 |
| 125 | 22 | 12+12 | 2.8-3.6 | - | 12° | FLAT | WOOD | ★★★★★ | 289.125.24K | 50 |
| 125 | 20 | 24 | 3.1-4.0 | 2.5 | 5° | CO + ATB 5° | WOOD | ★★★★★ | 288.125.24H | 51 |
| 125 | 20 | 24 | 3.4-4.2 | 2.5 | 5° | CO + ATB 5° | WOOD | ★★★★★ | 288.125.24H1 | 51 |
| 125 | 20 | 24 | 4.3-5.5 | 3.2 | 10° | CO + FLAT | WOOD | ★★★★★ | 288.125.24H2 | 51 |
| 125 | 22 | 24 | 3.1-4.0 | 2.5 | 5° | CO + ATB 5° | WOOD | ★★★★★ | 288.125.24K | 51 |
| 125 | 45 | 24 | 4.3-5.5 | 3.2 | 10° | CO + FLAT | WOOD | ★★★★★ | 288.125.24Q | 51 |
| 130 | 20 | 20 | 2.4 | 1.4 | 15° | ATB 15° | WOOD | ★★★★ | 291.130.20H | 24 |
| 130 | 20 | 36 | 2.4 | 1.4 | 15° | ATB 15° | WOOD | ★★★★ | 292.130.36H | 28 |
| 136 | 20 (+10) | 18 | 1.5 | 1.0 | 20° | ATB 10° + Shear 8° | WOOD | ★★★★ | 271.136.18H | 25 |
| 136 | 20 (+10) | 36 | 1.5 | 1.0 | 18° | ATB 10° + Shear 8° | WOOD | ★★★★ | 272.136.36H | 29 |
| 136 | 20 | 18 | 1.5 | 1.0 | 15° | ATB 15° | WOOD | ★★ | K13618H-X10 | 52 |
| 136 | 20 (+10) | 56 | 1.5 | 1.2 | 0° | FWF 8° | METAL & STEEL | ★★★★ | 226.136.56H | 72 |
| 136 | 20 (+10+12.7) | 30 | 1.5 | 1.2 | 0° | FWF 8° | METAL & STEEL | ★★★★ | 226.030.05H | 73 |
| 140 | 20 | 20 | 2.4 | 1.4 | 15° | ATB 15° | WOOD | ★★★★ | 291.140.20H | 24 |
| 140 | 20 | 24 | 1.8 | 1.2 | 15° | ATB 15° + Shear 8° | WOOD | ★★★★ | 271.140.24H | 25 |
| 140 | 20 | 36 | 2.4 | 1.4 | 15° | ATB 15° | WOOD | ★★★★ | 292.140.36H | 28 |

# Saw Blade Index

| D mm | B mm | Z | K mm | P mm | α | β | MATERIALS APPLICATION | PERFORMANCE | ORDER NO. | PAGE |
|---|---|---|---|---|---|---|---|---|---|---|
| 140 | 20 | 42 | 1.8 | 1.2 | 5° | ATB 15° + Shear 8° | WOOD | ★★★★ | 272.140.42H | 29 |
| 140 | 20 | 48 | 1.8 | 1.2 | -6° | TCG | NON-FERROUS | ★★★★ | 276.140.48H | 69 |
| 150 | 20 | 12 | 2.4 | 1.4 | 20° | ATB 10° | WOOD | ★★★★ | 290.150.12H | 20 |
| 150 | 20 (+16) | 24 | 2.4 | 1.4 | 15° | ATB 15° | WOOD | ★★★★ | 291.150.24H | 24 |
| 150 | 20 (+16) | 24 | 1.5 | 1.0 | 18° | ATB 10° + Shear 8° | WOOD | ★★★★ | 271.150.24H | 25 |
| 150 | 20 | 40 | 2.4 | 1.4 | 15° | ATB 15° | WOOD | ★★★★ | 292.150.40H | 28 |
| 150 | 30 | 48 | 3.2 | 2.2 | 5° | ATB 15° | WOOD | ★★★★ | 285.048.06M | 28 |
| 150 | 20 (+16) | 40 | 1.5 | 1.0 | 16° | ATB 10° + Shear 8° | WOOD | ★★★★ | 272.150.40H | 29 |
| 150 | 45 | 36 | 4.3-5.5 | 3.2 | 10° | CO + FLAT | WOOD | ★★★★★ | 288.150.36Q | 51 |
| 150 | 30 | 36 | 3.0 | 2.2 | 5° | ATB 5° | WOOD | ★★★★ | 240.150.030M | 58 |
| 150 | 30 | 36 | 4.0 | 3.0 | 5° | ATB 5° | WOOD | ★★★★ | 240.150.040M | 58 |
| 150 | 30 | 36 | 5.0 | 3.0 | 5° | ATB 5° | WOOD | ★★★★ | 240.150.050M | 58 |
| 150 | 30 | 36 | 6.0 | 3.0 | 5° | ATB 5° | WOOD | ★★★★ | 240.150.060M | 58 |
| 150 | 30 | 12 | 2.0 | 1.4 | 15° | FLAT | WOOD | ★★★★ | 240.020.06M | 59 |
| 150 | 35 | 12 | 2.0 | 1.4 | 15° | FLAT | WOOD | ★★★★ | 240.020.06R | 59 |
| 150 | 30 | 12 | 3.0 | 2.0 | 15° | FLAT | WOOD | ★★★★ | 240.030.06M | 59 |
| 150 | 35 | 12 | 3.0 | 2.0 | 15° | FLAT | WOOD | ★★★★ | 240.030.06R | 59 |
| 150 | 30 | 12 | 4.0 | 3.0 | 15° | FLAT | WOOD | ★★★★ | 240.040.06M | 59 |
| 150 | 35 | 12 | 4.0 | 3.0 | 15° | FLAT | WOOD | ★★★★ | 240.040.06R | 59 |
| 150 | 30 | 12 | 5.0 | 3.0 | 15° | FLAT | WOOD | ★★★★ | 240.050.06M | 59 |
| 150 | 35 | 12 | 5.0 | 3.0 | 15° | FLAT | WOOD | ★★★★ | 240.050.06R | 59 |
| 150 | 30 | 12 | 6.0 | 3.0 | 15° | FLAT | WOOD | ★★★★ | 240.060.06M | 59 |
| 150 | 35 | 12 | 6.0 | 3.0 | 15° | FLAT | WOOD | ★★★★ | 240.060.06R | 59 |
| 150 | 20 | 60 | 1.6 | 1.2 | 0° | FWF 8° | METAL & STEEL | ★★★★ | 226.150.60H | 72 |
| 150 | 20 | 32 | 1.6 | 1.2 | 0° | FWF 8° | METAL & STEEL | ★★★★ | 226.032.06H | 73 |
| 152 | 15.88 | 20 | - | - | -12° | FLAT+ATB | WOOD | ★★★★★ | 230.520.06 | 56 |
| 160 | 20 | 4 | 2.4 | 1.8 | 12° | TCG | MULTI-MATERIALS | ★★★★ | 236.160.04H | 11 |
| 160 | 20 | 10 | 2.4 | 1.8 | 5° | TCG | MULTI-MATERIALS | ★★★★ | 236.160.10H | 11 |
| 160 | 20 | 24 | 2.3 | 1.2 | 5° | ATB 5° | WOOD & NAILS | ★★★★★ | 286.760.24H | 12 |
| 160 | 16 | 12 | 2.2 | 1.6 | 20° | ATB 10° | WOOD | ★★★★ | 290.160.12E | 20 |
| 160 | 20 (+16) | 12 | 2.2 | 1.6 | 20° | ATB 10° | WOOD | ★★★★ | 290.160.12H | 20 |
| 160 | 20 | 24 | 2.2 | 1.6 | 15° | ATB 15° | WOOD | ★★★★ | 291.160.24H | 24 |
| 160 | 20 | 28 | 2.2 | 1.6 | 15° | ATB 10° | WOOD | ★★★★ | 285.160.28H | 24 |
| 160 | 30 (+16) | 24 | 2.2 | 1.6 | 15° | ATB 15° | WOOD | ★★★★ | 291.160.24M | 24 |
| 160 | 20 (+16) | 24 | 1.8 | 1.2 | 18° | ATB 10° + Shear 8° | WOOD | ★★★★ | 271.160.24H | 25 |
| 160 | 20 | 40 | 2.2 | 1.6 | 10° | ATB 15° | WOOD | ★★★★ | 292.160.40H | 28 |
| 160 | 30 | 40 | 2.2 | 1.6 | 10° | ATB 15° | WOOD | ★★★★ | 292.160.40M | 28 |
| 160 | 20 | 48 | 2.2 | 1.6 | 5° | ATB 15° | WOOD | ★★★★ | 285.160.48H | 28 |
| 160 | 20 (+16) | 40 | 1.8 | 1.2 | 16° | ATB 10° + Shear 8° | WOOD | ★★★★ | 272.160.40H | 29 |
| 160 | 20 | 48 | 2.2 | 1.6 | 5° | ATB 12° | WOOD | ★★★★★ | 285.760.48H | 30 |
| 160 | 20 | 48 | 1.8 | 1.2 | 5° | ATB 12° | WOOD | ★★★★★ | 285.761.48H | 30 |
| 160 | 20 | 56 | 2.2 | 1.6 | 15° | ATB 15° | WOOD | ★★★★ | 292.160.56H | 32 |
| 160 | 20 (+16) | 56 | 1.8 | 1.2 | 12° | ATB 10° + Shear 8° | WOOD | ★★★★ | 273.160.56H | 33 |
| 160 | 20 | 34 | 2.6 | 1.8 | 10° | HDF | WOOD | ★★★★ | 287.034.06H | 35 |
| 160 | 20 | 48 | 2.2 | 1.6 | 4° | TCG | WOOD | ★★★★★ | 281.760.48H | 40 |
| 160 | 20 | 52 | 1.8 | 1.2 | -5° | TCG | WOOD | ★★★★★ | 281.761.52H | 44 |
| 160 | 20 (Virutex®) | 40 | 2.2 | 1.6 | 10° | TCG | WOOD | ★★★★ | 281.160.40H | 45 |
| 160 | 20 | 48 | 2.2 | 1.6 | 5° | TCG | WOOD | ★★★★ | 281.160.48H | 45 |
| 160 | 20 | 56 | 2.2 | 1.6 | -3° | TCG | WOOD | ★★★★ | 281.161.56H | 45 |
| 160 | 55 | 36 | 4.3-5.2 | 3.2 | 8° | CO + FLAT | WOOD | ★★★★★ | 238.160.36O | 47 |
| 160 | 45 | 36 | 4.3-5.5 | 3.2 | 10° | CO + FLAT | WOOD | ★★★★★ | 288.160.36Q | 51 |
| 160 | 55 | 36 | 4.3-5.5 | 3.2 | 10° | CO + FLAT | WOOD | ★★★★★ | 288.160.36O | 51 |
| 160 | 20 | 24 | 2.2 | 1.4 | 15° | ATB 15° | WOOD | ★★ | K16024H | 52 |
| 160 | 20 | 24 | 2.2 | 1.4 | 15° | ATB 15° | WOOD | ★★ | K16024H-X10 | 52 |
| 160 | 20 | 40 | 2.2 | 1.4 | 15° | ATB 15° | WOOD | ★★ | K16040H | 52 |
| 160 | 20 | 40 | 2.2 | 1.4 | 15° | ATB 15° | WOOD | ★★ | K16040H-X10 | 52 |

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

| D mm | B mm | Z | K mm | P mm | α | β | MATERIALS APPLICATION | PERFORMANCE | ORDER NO. | PAGE |
|---|---|---|---|---|---|---|---|---|---|---|
| 160 | 20 | 10 | 2.4 | 1.8 | 5° | TCG | WOOD | ★★ | K160-10HD | 53 |
| 160 | 20 | 20 | 2.2 | 1.6 | 10° | HR | WOOD | ★★★★★ | 235.160.20H | 62 |
| 160 | 20 | 48 | 2.2 | 1.6 | 0° | MTCG | MULTI-MATERIALS | ★★★★★ | 223.048.06H | 63 |
| 160 | 20 | 24 | 2.2 | 1.6 | 5° | TCG | NON-FERROUS | ★★★★ | 284.160.24H | 65 |
| 160 | 20 | 52 | 2.2 | 1.8 | -5° | TCG | NON-FERROUS | ★★★★★ | 296.760.52H | 66 |
| 160 | 20 | 52 | 1.8 | 1.2 | -5° | TCG | NON-FERROUS | ★★★★★ | 296.761.52H | 66 |
| 160 | 20 | 40 | 2.2 | 1.6 | -6° | TCG | NON-FERROUS | ★★★★ | 296.160.40H | 68 |
| 160 | 20 | 56 | 2.2 | 1.6 | -6° | TCG | NON-FERROUS | ★★★★ | 296.160.56H | 68 |
| 160 | 20 (+16) | 48 | 1.8 | 1.2 | -6° | TCG | NON-FERROUS | ★★★★ | 276.160.48H | 69 |
| 160 | 20 (+16) | 60 | 2.0 | 1.6 | 0° | FWF 8° | METAL & STEEL | ★★★★ | 226.160.60H | 72 |
| 160 | 20 | 30 | 2.0 | 1.6 | 0° | FWF 8° | METAL & STEEL | ★★★★ | 226.030.06H | 73 |
| 160 | 20 | 40 | 1.8 | 1.4 | 0° | TCG | METAL & STEEL | ★★★★ | 226.540.06H | 74 |
| 165 | 20 (+15.88) | 4 | 1.8 | 1.4 | 12° | TCG | MULTI-MATERIALS | ★★★★★ | 236.165.04H | 11 |
| 165 | 20 (+15.88) | 10 | 1.8 | 1.4 | 5° | TCG | MULTI-MATERIALS | ★★★★★ | 236.165.10H | 11 |
| 165 | 20 | 24 | 2.3 | 1.2 | 5° | ATB 5° | WOOD & NAILS | ★★★★★ | 286.765.24H | 12 |
| 165 | 20 | 24 | 2.2 | 1.6 | 15° | ATB 15° | WOOD | ★★★★ | 291.165.24H | 24 |
| 165 | 30 | 24 | 2.6 | 1.6 | 15° | ATB 15° | WOOD | ★★★★ | 291.165.24M | 24 |
| 165 | 20 (+15.88) | 24 | 1.7 | 1.1 | 18° | ATB 10° + Shear 8° | WOOD | ★★★★ | 271.165.24H | 25 |
| 165 | 30 | 24 | 1.7 | 1.1 | 18° | ATB 10° + Shear 8° | WOOD | ★★★★ | 271.165.24M | 25 |
| 165 | 20 (+5/8") | 48 | 1.8 | 1.2 | 10° | ATB 15° | WOOD | ★★★★★ | 251.348.06H | 26 |
| 165 | 20 | 40 | 2.2 | 1.6 | 10° | ATB 15° | WOOD | ★★★★ | 292.165.40H | 28 |
| 165 | 30 | 40 | 2.6 | 1.6 | 10° | ATB 15° | WOOD | ★★★★ | 292.165.40M | 28 |
| 165 | 20 (+15.88) | 36 | 1.7 | 1.1 | 20° | ATB 10° + Shear 8° | WOOD | ★★★★ | 272.165.36H | 29 |
| 165 | 20 | 56 | 2.2 | 1.6 | 15° | ATB 15° | WOOD | ★★★★ | 292.165.56H | 32 |
| 165 | 20 (+15.88) | 56 | 1.6 | 1.0 | 12° | ATB 15° + Shear 8° | WOOD | ★★★★ | 273.165.56H | 33 |
| 165 | 20 | 52 | 1.8 | 1.2 | -5° | TCG | WOOD | ★★★★★ | 281.766.52H | 44 |
| 165 | 20 | 56 | 2.2 | 1.6 | -3° | TCG | WOOD | ★★★★ | 281.166.56H | 45 |
| 165 | 20 | 24 | 1.7 | 1.1 | 15° | ATB 15° | WOOD | ★★ | K16524H | 52 |
| 165 | 20 | 24 | 1.7 | 1.1 | 15° | ATB 15° | WOOD | ★★ | K16524H-X10 | 52 |
| 165 | 20 | 40 | 1.7 | 1.1 | 15° | ATB 15° | WOOD | ★★ | K16540H-X10 | 52 |
| 165 | 20 | 40 | 2.2 | 1.6 | -6° | TCG | NON-FERROUS | ★★★★ | 296.165.40H | 68 |
| 165 | 20 | 56 | 2.2 | 1.6 | -6° | TCG | NON-FERROUS | ★★★★ | 296.165.56H | 68 |
| 165 | 20 (+15.88) | 56 | 1.8 | 1.2 | -6° | TCG | NON-FERROUS | ★★★★ | 276.165.56H | 69 |
| 165 | 20 (+15.88) | 60 | 1.6 | 1.2 | 0° | FWF 8° | METAL & STEEL | ★★★★ | 226.165.60H | 72 |
| 165 | 15.88 | 36 | 1.6 | 1.2 | 0° | FWF 8° | METAL & STEEL | ★★★★ | 226.036.06 | 73 |
| 165 | 20 | 36 | 1.6 | 1.2 | 0° | FWF 8° | METAL & STEEL | ★★★★ | 226.036.06H | 73 |
| 165 | 30 | 36 | 1.6 | 1.2 | 0° | FWF 8° | METAL & STEEL | ★★★★ | 226.036.06M | 73 |
| 168 | 20 | 10 | 1.8 | 1.2 | 5° | TCG | MULTI-MATERIALS | ★★★★ | 236.168.10H | 11 |
| 168 | 20 | 28 | 1.8 | 1.2 | 15° | ATB 15° + Shear 8° | WOOD | ★★★★ | 271.168.28H | 25 |
| 168 | 20 | 42 | 1.8 | 1.2 | 10° | ATB 15° + Shear 8° | WOOD | ★★★★ | 272.168.42H | 29 |
| 168 | 20 | 48 | 1.8 | 1.2 | 5° | ATB 12° | WOOD | ★★★★★ | 285.768.48H | 30 |
| 168 | 20 | 52 | 1.8 | 1.2 | -5° | TCG | WOOD | ★★★★★ | 281.768.52H | 44 |
| 168 | 20 | 52 | 1.8 | 1.2 | -5° | TCG | NON-FERROUS | ★★★★★ | 296.768.52H | 66 |
| 168 | 20 | 52 | 1.8 | 1.2 | -5° | TCG | NON-FERROUS | ★★★★ | 276.168.52H | 69 |
| 170 | 30 | 24 | 2.6 | 1.6 | 20° | ATB 10° | WOOD | ★★★★ | 291.170.24M | 24 |
| 170 | 30 | 40 | 2.6 | 1.6 | 15° | ATB 15° | WOOD | ★★★★ | 292.170.40M | 28 |
| 180 | 20 | 4 | 2.4 | 1.8 | 12° | TCG | MULTI-MATERIALS | ★★★★ | 236.180.04H | 11 |
| 180 | 40 | 21+3 | 2.5 | 1.8 | 18° | FLAT | WOOD | ★★★★ | 280.021.07S | 14 |
| 180 | 30 | 12 | 2.6 | 1.6 | 20° | ATB 10° | WOOD | ★★★★ | 290.180.12M | 20 |
| 180 | 20 | 24 | 2.6 | 1.6 | 20° | ATB 10° | WOOD | ★★★★ | 291.180.24H | 24 |
| 180 | 30 | 24 | 2.6 | 1.6 | 20° | ATB 10° | WOOD | ★★★★ | 291.180.24M | 24 |
| 180 | 20 | 40 | 2.6 | 1.6 | 15° | ATB 15° | WOOD | ★★★★ | 292.180.40H | 28 |
| 180 | 30 | 40 | 2.6 | 1.6 | 15° | ATB 15° | WOOD | ★★★★ | 292.180.40M | 28 |
| 180 | 30 | 56 | 3.2 | 2.2 | 5° | ATB 15° | WOOD | ★★★★ | 285.056.07M | 28 |
| 180 | 30 | 36 | 4.3-5.2 | 3.2 | 8° | CO + FLAT | WOOD | ★★★★★ | 238.180.36M | 47 |
| 180 | 45 | 36 | 4.3-5.2 | 3.2 | 8° | CO + FLAT | WOOD | ★★★★★ | 238.180.36Q2 | 47 |

# Saw Blade Index

| D mm | B mm | Z | K mm | P mm | α | β | MATERIALS APPLICATION | PERFORMANCE | ORDER NO. | PAGE |
|---|---|---|---|---|---|---|---|---|---|---|
| 180 | 45 | 36 | 4.7-5.6 | 3.5 | 8° | CO + FLAT | WOOD | ★★★★★ | 238.180.36Q | 47 |
| 180 | 30 | 36 | 4.5-5.5 | 3.2 | 10° | CO + FLAT | WOOD | ★★★★★ | 288.180.36M | 51 |
| 180 | 45 | 36 | 4.3-5.5 | 3.2 | 8° | CO + ATB 5° | WOOD | ★★★★★ | 288.180.36Q2 | 51 |
| 180 | 45 | 36 | 4.7-6.0 | 3.5 | 10° | CO + FLAT | WOOD | ★★★★★ | 288.180.36Q | 51 |
| 180 | 50 | 44 | 4.3-5.5 | 3.2 | 10° | CO + FLAT | WOOD | ★★★★★ | 288.180.44T | 51 |
| 180 | 55 | 36 | 5.0-6.2 | 3.5 | 10° | CO + FLAT | WOOD | ★★★★★ | 288.180.360 | 51 |
| 180 | 30 | 18 | 3.0 | 2.0 | 15° | FLAT | WOOD | ★★★★ | 240.030.07M | 59 |
| 180 | 35 | 18 | 3.0 | 2.0 | 15° | FLAT | WOOD | ★★★★ | 240.030.07R | 59 |
| 180 | 30 | 18 | 4.0 | 3.0 | 15° | FLAT | WOOD | ★★★★ | 240.040.07M | 59 |
| 180 | 35 | 18 | 4.0 | 3.0 | 15° | FLAT | WOOD | ★★★★ | 240.040.07R | 59 |
| 180 | 30 | 18 | 5.0 | 3.0 | 15° | FLAT | WOOD | ★★★★ | 240.050.07M | 59 |
| 180 | 35 | 18 | 5.0 | 3.0 | 15° | FLAT | WOOD | ★★★★ | 240.050.07R | 59 |
| 180 | 30 | 18 | 6.0 | 3.0 | 15° | FLAT | WOOD | ★★★★ | 240.060.07M | 59 |
| 180 | 35 | 18 | 6.0 | 3.0 | 15° | FLAT | WOOD | ★★★★ | 240.060.07R | 59 |
| 180 | 30 | 18 | 6.35 | 3.0 | 15° | FLAT | WOOD | ★★★★ | 240.064.07M | 59 |
| 180 | 20 | 40 | 2.8 | 2.2 | -6° | TCG | NON-FERROUS | ★★★★ | 296.180.40H | 68 |
| 184 | 16 | 24 | 2.6 | 1.6 | 20° | ATB 10° | WOOD | ★★★★ | 291.184.24E | 24 |
| 184 | 30 | 24 | 2.6 | 1.6 | 20° | ATB 10° | WOOD | ★★★★ | 291.184.24M | 24 |
| 184 | 20 (+16+15.88) | 24 | 1.7 | 1.1 | 20° | ATB 10° + Shear 8° | WOOD | ★★★★ | 271.184.24H | 25 |
| 184 | 30 | 24 | 1.7 | 1.1 | 20° | ATB 10° + Shear 8° | WOOD | ★★★★ | 271.184.24M | 25 |
| 184 | 16 | 40 | 2.6 | 1.6 | 15° | ATB 15° | WOOD | ★★★★ | 292.184.40E | 28 |
| 184 | 30 | 40 | 2.6 | 1.6 | 15° | ATB 15° | WOOD | ★★★★ | 292.184.40M | 28 |
| 184 | 20 | 40 | 1.7 | 1.1 | 18° | ATB 10° + Shear 8° | WOOD | ★★★★ | 272.184.40H | 29 |
| 184 | 30 | 40 | 1.7 | 1.1 | 18° | ATB 10° + Shear 8° | WOOD | ★★★★ | 272.184.40M | 29 |
| 184 | 20 (+16) | 24 | 1.7 | 1.1 | 15° | ATB 15° | WOOD | ★★ | K18424H-X10 | 52 |
| 184 | 20 (+16+15.88) | 48 | 1.8 | 1.2 | -6° | TCG | NON-FERROUS | ★★★★ | 276.184.48H | 69 |
| 184 | 30 (+16+20) | 64 | 2.0 | 1.6 | 0° | FWF 8° | METAL & STEEL | ★★★★ | 226.184.64M | 72 |
| 184 | 15.88 | 48 | 2.0 | 1.6 | 0° | FWF 8° | METAL & STEEL | ★★★★ | 226.048.07 | 73 |
| 184 | 15.88 | 48 | 2.0 | 1.6 | 0° | TCG | METAL & STEEL | ★★★★ | 226.548.07 | 74 |
| 190 | 30 | 4 | 2.4 | 1.8 | 12° | TCG | MULTI-MATERIALS | ★★★★ | 236.190.04M | 11 |
| 190 | 30 | 12 | 2.4 | 1.8 | 12° | TCG | MULTI-MATERIALS | ★★★★ | 236.190.12M | 11 |
| 190 | 30 | 24 | 2.3 | 1.2 | 5° | ATB 5° | WOOD & NAILS | ★★★★★ | 286.790.24M | 12 |
| 190 | 30 (+16+20) | 12 | 2.6 | 1.6 | 20° | ATB 10° | WOOD | ★★★★ | 290.190.12M | 20 |
| 190 | 16 | 24 | 2.6 | 1.6 | 20° | ATB 10° | WOOD | ★★★★ | 291.190.24E | 24 |
| 190 | 20 | 24 | 2.6 | 1.6 | 20° | ATB 10° | WOOD | ★★★★ | 291.190.24H | 24 |
| 190 | 30 | 24 | 2.6 | 1.6 | 20° | ATB 10° | WOOD | ★★★★ | 291.190.24M | 24 |
| 190 | 20 (FESTOOL® FF) | 32 | 2.6 | 1.8 | 10° | ATB 10° | WOOD | ★★★★ | 291.190.32FF | 24 |
| 190 | 30 (+20+16) | 24 | 1.7 | 1.1 | 20° | ATB 10° + Shear 8° | WOOD | ★★★★ | 271.190.24M | 25 |
| 190 | 20 (+16) | 40 | 2.6 | 1.6 | 15° | ATB 15° | WOOD | ★★★★ | 292.190.40H | 28 |
| 190 | 30 | 40 | 2.6 | 1.6 | 15° | ATB 15° | WOOD | ★★★★ | 292.190.40M | 28 |
| 190 | 20 (FESTOOL® FF) | 48 | 2.4 | 1.8 | 10° | ATB 15° | WOOD | ★★★★ | 292.190.48FF | 28 |
| 190 | 30 (+20+16) | 42 | 1.7 | 1.1 | 18° | ATB 10° + Shear 8° | WOOD | ★★★★ | 272.190.42M | 29 |
| 190 | 20 (FESTOOL® FF) | 48 | 2.4 | 1.8 | 8° | ATB 15° | WOOD | ★★★★★ | 285.790.48FF | 30 |
| 190 | 30 | 64 | 2.6 | 1.6 | 15° | ATB 15° | WOOD | ★★★★ | 292.190.64M | 32 |
| 190 | 20 (+15.88) | 64 | 1.7 | 1.1 | 15° | ATB 10° + Shear 8° | WOOD | ★★★★ | 273.190.64M | 33 |
| 190 | 20 (FESTOOL® FF) | 54 | 2.6 | 1.8 | 4° | TCG | WOOD | ★★★★★ | 281.790.54FF | 40 |
| 190 | 30 | 54 | 2.6 | 1.6 | 4° | TCG | WOOD | ★★★★★ | 281.790.54M | 44 |
| 190 | 30 | 24 | 2.2 | 1.4 | 20° | ATB 10° | WOOD | ★★ | K19024M | 52 |
| 190 | 30 | 24 | 2.2 | 1.4 | 20° | ATB 10° | WOOD | ★★ | K19024M-X10 | 52 |
| 190 | 30 | 24 | 2.5 | 2 | 10° | HR | WOOD | ★★★★★ | 235.190.24M | 62 |
| 190 | 30 | 30 | 2.6 | 2.2 | 5° | TCG | NON-FERROUS | ★★★★ | 284.190.30M | 65 |
| 190 | 30 | 40 | 2.8 | 2.2 | -6° | TCG | NON-FERROUS | ★★★★ | 296.190.40M | 68 |
| 190 | 30 | 64 | 2.8 | 2.2 | -6° | TCG | NON-FERROUS | ★★★★ | 296.190.64M | 68 |
| 190 | 20 (FESTOOL® FF) | 64 | 2.8 | 2.2 | -6° | TCG | NON-FERROUS | ★★★★ | 296.190.64FF | 68 |
| 190 | 30 (+20+16) | 64 | 1.8 | 1.2 | -6° | TCG | NON-FERROUS | ★★★★ | 276.190.64M | 69 |
| 190 | 30 (+20) | 64 | 2.0 | 1.6 | 0° | FWF 8° | METAL & STEEL | ★★★★ | 226.190.64M | 72 |

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

| D mm | B mm | Z | K mm | P mm | α | β | MATERIALS APPLICATION | PERFORMANCE | ORDER NO. | PAGE |
|---|---|---|---|---|---|---|---|---|---|---|
| 190 | 30 | 40 | 2.0 | 1.6 | 0° | FWF 8° | METAL & STEEL | ★★★★ | 226.040.07M | 73 |
| 190 | 30 | 48 | 1.8 | 1.4 | 0° | TCG | METAL & STEEL | ★★★★ | 226.548.07M | 74 |
| 200 | 40 | 21+3 | 2.5 | 1.8 | 18° | FLAT | WOOD | ★★★★ | 280.021.08S | 14 |
| 200 | 30 | 24 | 2.8 | 1.8 | 20° | ATB 10° | WOOD | ★★★★ | 290.200.24M | 20 |
| 200 | 30 | 36 | 2.8 | 1.8 | 15° | ATB 15° | WOOD | ★★★★ | 291.200.36M | 24 |
| 200 | 30 | 36 | 3.2 | 2.2 | 15° | ATB 10° | WOOD | ★★★★ | 285.036.08M | 24 |
| 200 | 30 | 36 | 1.8 | 1.2 | 15° | ATB 10° + Shear 8° | WOOD | ★★★★ | 271.200.36M | 25 |
| 200 | 30 | 48 | 2.8 | 1.8 | 15° | ATB 15° | WOOD | ★★★★ | 292.200.48M | 28 |
| 200 | 30 | 48 | 3.2 | 2.2 | 15° | ATB 15° | WOOD | ★★★★ | 285.048.08M | 28 |
| 200 | 30 | 48 | 1.8 | 1.2 | 15° | ATB 10° + Shear 8° | WOOD | ★★★★ | 272.200.48M | 29 |
| 200 | 30 | 64 | 3.2 | 2.2 | 5° | ATB 15° | WOOD | ★★★★ | 285.064.08M | 32 |
| 200 | 30 | 64 | 3.2 | 2.2 | 10° | TCG | WOOD | ★★★★ | 281.064.08M | 45 |
| 200 | 20 | 36 | 4.3-5.2 | 3.2 | 8° | CO + FLAT | WOOD | ★★★★★ | 238.200.36H | 47 |
| 200 | 45 | 36 | 4.3-5.2 | 3.2 | 8° | CO + FLAT | WOOD | ★★★★★ | 238.200.36Q2 | 47 |
| 200 | 45 | 36 | 4.7-5.6 | 3.5 | 8° | CO + FLAT | WOOD | ★★★★★ | 238.200.36Q | 47 |
| 200 | 65 | 36 | 4.3-5.2 | 3.2 | 8° | CO + FLAT | WOOD | ★★★★★ | 238.200.36J | 47 |
| 200 | 80 | 36 | 4.3-5.2 | 3.2 | 8° | CO + FLAT | WOOD | ★★★★★ | 238.200.36W | 47 |
| 200 | 20 | 36 | 4.4-5.3 | 3.2 | 10° | CO + FLAT | WOOD | ★★★★★ | 288.200.36H | 51 |
| 200 | 45 | 36 | 4.7-6.0 | 3.5 | 10° | CO + FLAT | WOOD | ★★★★★ | 288.200.36Q | 51 |
| 200 | 45 | 36 | 4.3-5.5 | 3.2 | 10° | CO + FLAT | WOOD | ★★★★★ | Y288.200.36Q2 | 51 |
| 200 | 65 | 36 | 4.4-5.3 | 3.2 | 10° | CO + FLAT | WOOD | ★★★★★ | 288.200.36J | 51 |
| 200 | 30 | 48 | 2.8 | 2.2 | -6° | TCG | NON-FERROUS | ★★★★ | 296.200.48M | 68 |
| 200 | 32 | 160 | 1.8 | - | - | BW | METAL & STEEL | - | 227.200.160P | 71 |
| 200 | 32 | 0 | 1.8 | - | - | Not Sharpened | METAL & STEEL | - | 227.200P | 71 |
| 203 | 15.88 | 12 | - | - | -12° | FLAT+ATB | WOOD | ★★★★★ | 230.312.08 | 54 |
| 203 | 30 | 12 | - | - | -12° | FLAT+ATB | WOOD | ★★★★★ | 230.312.08M | 54 |
| 203 | 15.88 | 24+24 | - | - | -12° | FLAT+ATB | WOOD | ★★★★★ | 230.324.08 | 55 |
| 203 | 15.88 | 24 | - | - | -12° | FLAT+ATB | WOOD | ★★★★★ | 230.524.08 | 56 |
| 203 | 15.88 | 48 | 2.2 | 1.8 | 0° | FWF 8° | METAL & STEEL | ★★★★ | 226.048.08 | 73 |
| 210 | 30 | 12 | 2.4 | 1.8 | 12° | TCG | MULTI-MATERIALS | ★★★★ | 236.210.12M | 11 |
| 210 | 30 | 24 | 2.8 | 1.8 | 20° | ATB 10° | WOOD | ★★★★ | 290.210.24M | 20 |
| 210 | 25 | 36 | 2.8 | 1.8 | 15° | ATB 15° | WOOD | ★★★★ | 291.210.36L | 24 |
| 210 | 30 | 36 | 2.8 | 1.8 | 15° | ATB 15° | WOOD | ★★★★ | 291.210.36M | 24 |
| 210 | 30 (+25) | 24 | 1.8 | 1.2 | 20° | ATB 10° + Shear 8° | WOOD | ★★★★ | 271.210.24M | 25 |
| 210 | 30 (+25) | 36 | 1.8 | 1.2 | 15° | ATB 10° + Shear 8° | WOOD | ★★★★ | 271.210.36M | 25 |
| 210 | 25 | 48 | 2.8 | 1.8 | 15° | ATB 15° | WOOD | ★★★★ | 292.210.48L | 28 |
| 210 | 30 | 48 | 2.8 | 1.8 | 15° | ATB 15° | WOOD | ★★★★ | 292.210.48M | 28 |
| 210 | 30 (+25) | 48 | 1.8 | 1.2 | 15° | ATB 10° + Shear 8° | WOOD | ★★★★ | 272.210.48M | 29 |
| 210 | 30 | 64 | 2.8 | 1.8 | 15° | ATB 15° | WOOD | ★★★★ | 292.210.64M | 32 |
| 210 | 30 | 60 | 2.6 | 1.6 | -3° | TCG | WOOD | ★★★★★ | 281.810.60M | 44 |
| 210 | 30 | 48 | 2.8 | 2.2 | -6° | TCG | NON-FERROUS | ★★★★ | 296.210.48M | 68 |
| 210 | 30 | 64 | 2.8 | 2.2 | -6° | TCG | NON-FERROUS | ★★★★ | 296.210.64M | 68 |
| 210 | 30 (+25) | 64 | 1.8 | 1.2 | -6° | TCG | NON-FERROUS | ★★★★ | 276.210.64M | 69 |
| 210 | 30 | 64 | 2.2 | 1.8 | 0° | FWF 8° | METAL & STEEL | ★★★★ | 226.210.64M | 72 |
| 210 | 30 (+25.4+15.88) | 48 | 2.2 | 1.8 | 0° | FWF 8° | METAL & STEEL | ★★★★ | 226.048.08M | 73 |
| 215 | 50 | 42 | 4.3-5.5 | 3.2 | 8° | CO + FLAT | WOOD | ★★★★★ | 288.215.42T | 51 |
| 216 | 30 | 14 | 2.4 | 1.8 | 12° | TCG | MULTI-MATERIALS | ★★★★ | 236.216.14M | 11 |
| 216 | 30 | 24 | 2.8 | 1.8 | -5° | ATB 15° | WOOD | ★★★★ | 290.216.24M | 20 |
| 216 | 30 | 48 | 2.8 | 1.8 | -5° | ATB 15° | WOOD | ★★★★ | 291.216.48M | 24 |
| 216 | 30 | 36 | 1.8 | 1.2 | -5° | ATB 10° + Shear 8° | WOOD | ★★★★ | 271.216.36M | 25 |
| 216 | 30 | 48 | 2.3 | 1.6 | -5° | ATB 15° | WOOD | ★★★★★ | 285.816.48M | 26 |
| 216 | 30 | 64 | 2.8 | 1.8 | -5° | ATB 15° | WOOD | ★★★★ | 292.216.64M | 28 |
| 216 | 30 | 48 | 1.8 | 1.2 | -5° | ATB 10° + Shear 8° | WOOD | ★★★★ | 272.216.48M | 29 |
| 216 | 30 | 60 | 2.3 | 1.6 | -5° | ATB 15° | WOOD | ★★★★★ | 285.816.60M | 30 |
| 216 | 30 | 80 | 2.8 | 1.8 | -5° | ATB 15° | WOOD | ★★★★ | 292.216.80M | 32 |
| 216 | 30 | 64 | 1.8 | 1.2 | -5° | ATB 10° + Shear 8° | WOOD | ★★★★ | 273.216.64M | 33 |

# Saw Blade Index

| D mm | B mm | Z | K mm | P mm | α | β | MATERIALS APPLICATION | PERFORMANCE | ORDER NO. | PAGE |
|---|---|---|---|---|---|---|---|---|---|---|
| 216 | 30 | 64 | 2.6 | 1.6 | -3° | TCG | WOOD | ★★★★★ | 281.816.64M | 44 |
| 216 | 30 | 24 | 2.4 | 1.6 | -5° | ATB 15° | WOOD | ★★ | K21624M | 52 |
| 216 | 30 | 24 | 2.4 | 1.6 | -5° | ATB 15° | WOOD | ★★ | K21624M-X10 | 52 |
| 216 | 30 | 48 | 2.4 | 1.6 | -5° | ATB 15° | WOOD | ★★ | K21648M | 52 |
| 216 | 30 | 48 | 2.4 | 1.6 | -5° | ATB 15° | WOOD | ★★ | K21648M-X10 | 52 |
| 216 | 30 | 30 | 2.5 | 2.0 | 10° | HR | WOOD | ★★★★★ | 235.216.30M | 62 |
| 216 | 30 | 40 | 2.6 | 2.2 | 5° | TCG | NON-FERROUS | ★★★★ | 284.216.40M | 65 |
| 216 | 30 | 64 | 2.3 | 1.6 | 0° | TCG | NON-FERROUS | ★★★★★ | 297.816.64M | 66 |
| 216 | 30 | 64 | 2.8 | 2.2 | -6° | TCG | NON-FERROUS | ★★★★ | 297.064.09M | 68 |
| 216 | 30 | 80 | 2.8 | 2.2 | -6° | TCG | NON-FERROUS | ★★★★ | 297.080.09M | 68 |
| 216 | 30 | 64 | 2.2 | 1.6 | -6° | TCG | NON-FERROUS | ★★★★ | 276.216.64M | 69 |
| 216 | 30 | 64 | 2.2 | 1.8 | 0° | FWF 8° | METAL & STEEL | ★★★★ | 226.216.64M | 72 |
| 216 | 30 | 48 | 2.2 | 1.8 | 0° | FWF 8° | METAL & STEEL | ★★★★ | 226.047.09M | 73 |
| 216 | 30 | 56 | 1.8 | 1.4 | 0° | TCG | METAL & STEEL | ★★★★ | 226.556.09M | 74 |
| 220 | 30 | 24 | 2.8 | 1.8 | 20° | ATB 10° | WOOD | ★★★★ | 290.220.24M | 20 |
| 220 | 30 | 36 | 2.8 | 1.8 | 15° | ATB 15° | WOOD | ★★★★ | 291.220.36M | 24 |
| 220 | 30 | 48 | 2.8 | 1.8 | 15° | ATB 15° | WOOD | ★★★★ | 292.220.48M | 28 |
| 220 | 30 | 42 | 3.2 | 2.2 | -6° | HDF | WOOD | ★★★★ | 287.043.09M | 34 |
| 220 | 30 | 42 | 3.2 | 2.2 | 10° | HDF | WOOD | ★★★★ | 287.042.09M | 35 |
| 220 | 30 | 48 | 3.3 | 2.2 | 5° | HDF | WOOD | ★★★★ | 287.048.09M | 35 |
| 220 | 30 | 64 | 3.2 | 2.2 | -5° | Hi-ATB 40° | WOOD | ★★★★ | 283.064.09M | 37 |
| 220 | 30 | 63 | 3.2 | 2.2 | -3° | FFT | WOOD | ★★★★ | 281.063.09M | 43 |
| 220 | 30 | 64 | 3.2 | 2.2 | 10° | TCG | WOOD | ★★★★ | 281.064.09M | 45 |
| 225 | 30 | 36 | 2.8 | 1.8 | 20° | ATB 15° | WOOD | ★★★★ | 291.225.36M | 24 |
| 225 | 30 | 48 | 2.6 | 1.8 | 10° | ATB 15° | WOOD | ★★★★★ | 285.825.48M | 26 |
| 225 | 30 | 48 | 2.8 | 1.8 | 10° | ATB 15° | WOOD | ★★★★ | 292.225.48M | 28 |
| 225 | 30 | 64 | 2.6 | 1.8 | 4° | TCG | WOOD | ★★★★ | 281.225.64M | 45 |
| 225 | 30 | 64 | 2.8 | 2.2 | -6° | TCG | NON-FERROUS | ★★★★ | 296.225.64M | 68 |
| 225 | 32 | 180 | 1.9 | - | - | BW | METAL & STEEL | - | 227.225.180P | 71 |
| 225 | 32 | 0 | 1.9 | - | - | Not Sharpened | METAL & STEEL | - | 227.225P | 71 |
| 230 | 22.23 | - | - | - | - | - | MULTI-MATERIALS | - | 286.230.01 | 10 |
| 230 | 30 | 4 | 2.4 | 1.8 | 12° | TCG | MULTI-MATERIALS | ★★★★ | 236.230.04M | 11 |
| 230 | 30 | 24 | 2.8 | 1.8 | 20° | ATB 10° | WOOD | ★★★★ | 290.230.24M | 20 |
| 230 | 30 | 36 | 2.8 | 1.8 | 15° | ATB 15° | WOOD | ★★★★ | 291.230.36M | 24 |
| 230 | 30 | 48 | 2.8 | 1.8 | 15° | ATB 15° | WOOD | ★★★★ | 292.230.48M | 28 |
| 230 | 30 | 64 | 2.8 | 1.8 | 15° | ATB 15° | WOOD | ★★★★ | 292.230.64M | 32 |
| 230 | 30 | 48 | 2.8 | 2.2 | -6° | TCG | NON-FERROUS | ★★★★ | 296.230.48M | 68 |
| 235 | 25 | 24 | 2.8 | 1.8 | 20° | ATB 10° | WOOD | ★★★★ | 290.235.24L | 20 |
| 235 | 30 (+25) | 24 | 2.8 | 1.8 | 20° | ATB 10° | WOOD | ★★★★ | 290.235.24M | 20 |
| 235 | 25 | 36 | 2.8 | 1.8 | 15° | ATB 15° | WOOD | ★★★★ | 291.235.36L | 24 |
| 235 | 30 | 36 | 2.8 | 1.8 | 15° | ATB 15° | WOOD | ★★★★ | 291.235.36M | 24 |
| 235 | 25 | 36 | 1.7 | 1.2 | 20° | FTG+ATB 15° | WOOD | ★★★★ | 271.235.36L | 25 |
| 235 | 30 (+25) | 36 | 2.4 | 1.6 | 18° | ATB 10° + Shear 8° | WOOD | ★★★★ | 271.235.36M | 25 |
| 235 | 25 | 48 | 2.8 | 1.8 | 15° | ATB 15° | WOOD | ★★★★ | 292.235.48L | 28 |
| 235 | 30 | 48 | 2.8 | 1.8 | 15° | ATB 15° | WOOD | ★★★★ | 292.235.48M | 28 |
| 235 | 30 (+25) | 48 | 2.4 | 1.6 | 12° | ATB 10° + Shear 8° | WOOD | ★★★★ | 272.235.48M | 29 |
| 235 | 30 | 48 | 2.8 | 2.2 | -6° | TCG | NON-FERROUS | ★★★★ | 296.235.48M | 68 |
| 235 | 30 | 48 | 2.2 | 1.8 | 0° | FWF 8° | METAL & STEEL | ★★★★ | 226.048.09M | 73 |
| 240 | 30 | 24 | 2.8 | 1.8 | 20° | ATB 10° | WOOD | ★★★★ | 290.240.24M | 20 |
| 240 | 30 | 36 | 2.8 | 1.8 | 15° | ATB 15° | WOOD | ★★★★ | 291.240.36M | 24 |
| 240 | 30 | 48 | 2.8 | 1.8 | 15° | ATB 15° | WOOD | ★★★★ | 292.240.48M | 28 |
| 250 | 30 | 16 | 2.4 | 1.8 | 12° | TCG | MULTI-MATERIALS | ★★★★ | 236.250.16M | 11 |
| 250 | 30 | 16 | 2.8 | 1.8 | 15° | ATB 5° | WOOD | ★★★★ | 286.016.10M | 13 |
| 250 | 70 | 20+4 | 2.7 | 1.8 | 18° | ATB 10° | WOOD | ★★★★ | 280.020.10V | 14 |
| 250 | 80 | 20+4 | 2.7 | 1.8 | 18° | ATB 10° | WOOD | ★★★★ | 280.020.10W | 14 |
| 250 | 30 | 20+4 | 3.2 | 2.2 | 18° | ATB 10° | WOOD | ★★★★ | 279.020.10M | 16 |

| D mm | B mm | Z | K mm | P mm | α | β | MATERIALS APPLICATION | PERFORMANCE | ORDER NO. | PAGE |
|---|---|---|---|---|---|---|---|---|---|---|
| 250 | 70 | 20+4 | 3.2 | 2.2 | 18° | ATB 10° | WOOD | ★★★★ | 279.020.10V | 16 |
| 250 | 80 | 20+4 | 3.2 | 2.2 | 18° | ATB 10° | WOOD | ★★★★ | 279.020.10W | 16 |
| 250 | 30 | 24 | 3.2 | 2.2 | 10° | FLAT | WOOD | ★★★★★ | 285.624.10M | 18 |
| 250 | 30 | 24 | 2.8 | 1.8 | 20° | ATB 10° | WOOD | ★★★★ | 290.250.24M | 20 |
| 250 | 30 | 24 | 2.4 | 1.6 | 20° | ATB 10° + Shear 8° | WOOD | ★★★★ | 271.250.24M | 21 |
| 250 | 30 | 40 | 3.2 | 2.2 | 15° | ATB 10° | WOOD | ★★★★★ | 285.640.10M | 22 |
| 250 | 30 | 40 | 3.2 | 2.2 | 15° | ATB 10° | WOOD | ★★★★★ | 285.040.10M | 23 |
| 250 | 35 | 40 | 3.2 | 2.2 | 15° | ATB 10° | WOOD | ★★★★ | 285.040.10R | 23 |
| 250 | 30 | 48 | 3.2 | 2.2 | 15° | ATB 10° | WOOD | ★★★★★ | 285.048.10M | 23 |
| 250 | 30 | 42 | 2.4 | 1.6 | 18° | ATB 10° + Shear 8° | WOOD | ★★★★ | 271.250.42M | 25 |
| 250 | 30 | 60 | 3.2 | 2.2 | 10° | ATB 15° | WOOD | ★★★★★ | 285.660.10M | 26 |
| 250 | 30 | 60 | 3.2 | 2.2 | 10° | ATB 15° | WOOD | ★★★★★ | 285.060.10M | 27 |
| 250 | 35 | 60 | 3.2 | 2.2 | 10° | ATB 15° | WOOD | ★★★★ | 285.060.10R | 27 |
| 250 | 30 | 50 | 2.4 | 1.6 | 15° | 4 ATB 10°+ 1 FLAT + Shear 8° | WOOD | ★★★★ | 272.250.50M | 29 |
| 250 | 30 | 60 | 2.4 | 1.6 | 15° | ATB 10° + Shear 8° | WOOD | ★★★★ | 272.250.60M | 29 |
| 250 | 30 | 80 | 3.2 | 2.2 | 5° | ATB 15° | WOOD | ★★★★★ | 285.680.10M | 30 |
| 250 | 30 | 80 | 3.2 | 2.2 | 5° | ATB 15° | WOOD | ★★★★★ | 285.080.10M | 31 |
| 250 | 35 | 80 | 3.2 | 2.2 | 5° | ATB 15° | WOOD | ★★★★ | 285.080.10R | 31 |
| 250 | 30 | 80 | 2.4 | 1.6 | 12° | ATB 10° + Shear 8° | WOOD | ★★★★ | 273.250.80M | 33 |
| 250 | 30 | 48 | 3.2 | 2.2 | -6° | HDF | WOOD | ★★★★ | 287.049.10M | 34 |
| 250 | 30 | 48 | 3.2 | 2.2 | 10° | HDF | WOOD | ★★★★ | 287.048.10M | 35 |
| 250 | 30 | 60 | 3.3 | 2.2 | 5° | HDF | WOOD | ★★★★ | 287.060.10M | 35 |
| 250 | 30 | 80 | 3.2 | 2.2 | -2° | Hi-ATB 38° | WOOD | ★★★★★ | 283.680.10M | 36 |
| 250 | 30 | 80 | 3.2 | 2.2 | -2° | Hi-ATB 38° | WOOD | ★★★★★ | 283.080.10M | 37 |
| 250 | 30 | 80 | 3.0 | 2.5 | 10° | ATB 20° | WOOD | ★★★★★ | 285.580.10M | 38 |
| 250 | 30 | 80 | 3.2 | 2.2 | 15° | 1 FLAT + 4 ATB | WOOD | ★★★★ | 274.080.10M | 39 |
| 250 | 30 | 80 | 3.2 | 2.2 | 5° | TCG | WOOD | ★★★★★ | 281.680.10M | 40 |
| 250 | 30 | 60 | 3.2 | 2.2 | 10° | TCG | WOOD | ★★★★ | 281.060.10M | 41 |
| 250 | 30 | 80 | 3.2 | 2.2 | 10° | TCG | WOOD | ★★★★★ | 281.080.10M | 41 |
| 250 | 30 | 78 | 3.2 | 2.2 | 10° | FFT | WOOD | ★★★★ | 295.078.10M | 42 |
| 250 | 30 | 60 | 3.2 | 2.2 | -3° | FFT | WOOD | ★★★★ | 281.061.10M | 43 |
| 250 | 30 | 80 | 3.2 | 2.2 | -3° | TCG | WOOD | ★★★★★ | 281.681.10M | 44 |
| 250 | 30 | 48 | 3.2 | 2.2 | 10° | TCG | WOOD | ★★★★★ | 237.048.10M | 46 |
| 250 | 30 | 40 | 2.6 | 1.8 | 15° | ATB 10° | WOOD | ★★ | K25040M-X05* | 52 |
| 250 | 30 | 60 | 2.4 | 1.6 | 15° | ATB 10° | WOOD | ★★ | K25060M | 52 |
| 250 | 25.4 (+20) | 20 | 2.0 | 1.4 | 2° | ATB 8° | WOOD | ★★★★ | 298.250.20 | 61 |
| 250 | 25.4 (+20) | 40 | 2.0 | 1.4 | 2° | ATB 8° | WOOD | ★★★★ | 298.250.40 | 61 |
| 250 | 30 | 36 | 2.5 | 2.0 | 10° | HR | WOOD | ★★★★★ | 235.250.36M | 62 |
| 250 | 30 | 72 | 3.2 | 2.5 | 0° | MTCG | MULTI-MATERIALS | ★★★★★ | 223.072.10M | 63 |
| 250 | 30 | 80 | 2.8 | 2.2 | -3° | MATB | MULTI-MATERIALS | ★★★★★ | 222.080.10M | 63 |
| 250 | 32 | 80 | 3.2 | 2.5 | 6° | TCG | NON-FERROUS | ★★★★★ | 284.080.10P | 64 |
| 250 | 30 | 80 | 3.2 | 2.5 | -6° | TCG | NON-FERROUS | ★★★★★ | 297.080.10M | 67 |
| 250 | 32 | 80 | 3.2 | 2.5 | -6° | TCG | NON-FERROUS | ★★★★★ | 297.080.10P | 67 |
| 250 | 30 | 80 | 2.6 | 1.8 | -6° | TCG | NON-FERROUS | ★★★★ | 276.250.80M | 69 |
| 250 | 32 | 128 | 2.0 | - | - | C/HZ | METAL & STEEL | - | 227.250.128P | 70 |
| 250 | 32 | 160 | 2.0 | - | - | BW | METAL & STEEL | - | 227.250.160P | 71 |
| 250 | 32 | 200 | 2.0 | - | - | BW | METAL & STEEL | - | 227.250.200P | 71 |
| 250 | 32 | 200 | 2.0 | - | - | BW | METAL & STEEL | - | 227.250.700P | 71 |
| 250 | 32 | 0 | 2.0 | - | - | Not Sharpened | METAL & STEEL | - | 227.250P | 71 |
| 250 | 30 | 72 | 2.2 | 1.8 | 0° | FWF 10° | METAL & STEEL | ★★★★ | 226.572.10M | 74 |
| 254 | 30 | 48 | 2.4 | 1.8 | -5° | ATB 15° | WOOD | ★★★★★ | 294.048.10M | 23 |
| 254 | 30 | 60 | 2.4 | 1.8 | -5° | ATB 15° | WOOD | ★★★★★ | 294.060.10M | 27 |
| 254 | 30 | 80 | 3.2 | 2.5 | -6° | TCG | NON-FERROUS | ★★★★★ | 297.081.10M | 67 |
| 254 | 25.4 (+15.88) | 60 | 2.2 | 1.8 | 0° | FWF 8° | METAL & STEEL | ★★★★ | 226.060.10 | 72 |
| 254 | 30 | 60 | 2.2 | 1.8 | 0° | FWF 8° | METAL & STEEL | ★★★★ | 226.060.10M | 72 |
| 254 | 25.4 (+15.88) | 48 | 2.2 | 1.8 | 0° | FWF 8° | METAL & STEEL | ★★★★ | 226.048.10 | 73 |

| D mm | B mm | Z | K mm | P mm | α | β | MATERIALS APPLICATION | PERFORMANCE | ORDER NO. | PAGE |
|---|---|---|---|---|---|---|---|---|---|---|
| 254 | 25.4 (+15.88) | 72 | 2.2 | 1.8 | 0° | FWF 10° | METAL & STEEL | ★★★★ | 226.572.10 | 74 |
| 260 | 30 | 28 | 2.8 | 1.8 | 20° | ATB 10° | WOOD | ★★★★ | 290.260.28M | 20 |
| 260 | 30 | 48 | 2.8 | 1.8 | 15° | ATB 10° | WOOD | ★★★★ | 285.048.11M | 24 |
| 260 | 30 | 60 | 2.5 | 1.8 | -5° | ATB 10° | WOOD | ★★★★★ | 285.860.11M | 26 |
| 260 | 30 | 60 | 2.8 | 1.8 | 10° | ATB 15° | WOOD | ★★★★ | 285.060.11M | 28 |
| 260 | 30 | 60 | 2.5 | 1.8 | -5° | ATB 15° | WOOD | ★★★★ | 294.060.11M | 28 |
| 260 | 30 | 80 | 2.5 | 1.8 | -5° | ATB 15° | WOOD | ★★★★ | 294.080.11M | 32 |
| 260 | 30 | 64 | 2.5 | 1.8 | -3° | TCG | WOOD | ★★★★ | 281.065.11M | 45 |
| 260 | 30 | 80 | 3.2 | 2.5 | -6° | TCG | NON-FERROUS | ★★★★★ | 297.080.11M | 67 |
| 270 | 30 | 28 | 2.8 | 1.8 | 20° | ATB 10° | WOOD | ★★★★ | 290.270.28M | 20 |
| 270 | 30 | 42 | 2.8 | 1.8 | 15° | ATB 10° | WOOD | ★★★★ | 291.270.42M | 24 |
| 275 | 20 | 42 | 3.2 | 2.2 | 15° | ATB 10° | WOOD | ★★★★ | 285.042.11H | 23 |
| 275 | 32 | 140 | 2.5 | - | - | C/HZ | METAL & STEEL | - | 227.275.140P | 70 |
| 275 | 32 | 220 | 2.5 | - | - | BW | METAL & STEEL | - | 227.275.220P | 71 |
| 275 | 32 | 220 | 2.0 | - | - | BW | METAL & STEEL | - | 227.275.722P | 71 |
| 275 | 32 | 220 | 2.5 | - | - | BW | METAL & STEEL | - | 227.275.720P | 71 |
| 275 | 32 | 0 | 2.5 | - | - | Not Sharpened | METAL & STEEL | - | 227.275P | 71 |
| 280 | 30 | 64 | 2.8 | 1.8 | 10° | ATB 15° | WOOD | ★★★★ | 295.064.11M | 27 |
| 280 | 30 | 64 | 3.2 | 2.5 | -6° | TCG | NON-FERROUS | ★★★★★ | 297.064.11M | 67 |
| 300 | 30 | 20 | 2.4 | 1.8 | 12° | TCG | MULTI-MATERIALS | ★★★★ | 236.300.20M | 11 |
| 300 | 30 | 20 | 2.8 | 1.8 | 15° | ATB 5° | WOOD | ★★★★ | 286.020.12M | 13 |
| 300 | 30 | 48 | 3.2 | 2.2 | 15° | ATB 10° | WOOD | ★★★★ | 286.048.12M | 13 |
| 300 | 70 | 24+4 | 2.7 | 1.8 | 18° | ATB 10° | WOOD | ★★★★ | 280.024.12V | 14 |
| 300 | 80 | 24+4 | 2.7 | 1.8 | 18° | ATB 10° | WOOD | ★★★★ | 280.024.12W | 14 |
| 300 | 30 | 24+4 | 4.0 | 2.8 | 18° | ATB 10° | WOOD | ★★★★ | 277.024.12M | 15 |
| 300 | 70 | 24+4 | 4.0 | 2.8 | 18° | ATB 10° | WOOD | ★★★★ | 277.024.12V | 15 |
| 300 | 80 | 24+4 | 4.0 | 2.8 | 18° | ATB 10° | WOOD | ★★★★ | 277.024.12W | 15 |
| 300 | 30 | 24+4 | 3.2 | 2.2 | 18° | ATB 10° | WOOD | ★★★★ | 279.024.12M | 16 |
| 300 | 60 | 24+4 | 3.2 | 2.2 | 18° | ATB 10° | WOOD | ★★★★ | 279.024.12U | 16 |
| 300 | 70 | 24+4 | 3.2 | 2.2 | 18° | ATB 10° | WOOD | ★★★★ | 279.024.12V | 16 |
| 300 | 80 | 24+4 | 3.2 | 2.2 | 18° | ATB 10° | WOOD | ★★★★ | 279.024.12W | 16 |
| 300 | 30 | 28 | 3.2 | 2.2 | 18° | ATB 10° | WOOD | ★★★★★ | 278.028.12M | 17 |
| 300 | 70 | 28 | 3.2 | 2.2 | 18° | ATB 10° | WOOD | ★★★★★ | 278.028.12V | 17 |
| 300 | 30 | 24 | 3.2 | 2.2 | 20° | ATB 10° | WOOD | ★★★★ | 293.024.12M | 19 |
| 300 | 35 | 24 | 3.2 | 2.2 | 20° | ATB 10° | WOOD | ★★★★ | 293.024.12R | 19 |
| 300 | 30 | 24 | 2.6 | 1.8 | 22° | ATB 10° + Shear 8° | WOOD | ★★★★ | 271.300.24M | 21 |
| 300 | 30 | 48 | 3.2 | 2.2 | 15° | ATB 10° | WOOD | ★★★★★ | 285.648.12M | 22 |
| 300 | 30 | 36 | 3.2 | 2.2 | 15° | ATB 10° | WOOD | ★★★★★ | 285.036.12M | 23 |
| 300 | 20 | 48 | 3.2 | 2.2 | 15° | ATB 10° | WOOD | ★★★★ | 285.048.12H | 23 |
| 300 | 30 | 48 | 3.2 | 2.2 | 15° | ATB 10° | WOOD | ★★★★★ | 285.048.12M | 23 |
| 300 | 35 | 48 | 3.2 | 2.2 | 15° | ATB 10° | WOOD | ★★★★ | 285.048.12R | 23 |
| 300 | 30 | 48 | 2.6 | 1.8 | 18° | ATB 10° + Shear 8° | WOOD | ★★★★ | 271.300.48M | 25 |
| 300 | 30 | 72 | 3.2 | 2.2 | 10° | ATB 15° | WOOD | ★★★★★ | 285.672.12M | 26 |
| 300 | 30 | 60 | 3.2 | 2.2 | 15° | ATB 10° | WOOD | ★★★★★ | 285.060.12M | 27 |
| 300 | 30 | 72 | 3.2 | 2.2 | 10° | ATB 15° | WOOD | ★★★★★ | 285.072.12M | 27 |
| 300 | 35 | 72 | 3.2 | 2.2 | 10° | ATB 15° | WOOD | ★★★★ | 285.072.12R | 27 |
| 300 | 30 | 72 | 2.6 | 1.8 | 15° | ATB 10° + Shear 8° | WOOD | ★★★★ | 272.300.72M | 29 |
| 300 | 30 | 96 | 3.2 | 2.2 | 5° | ATB 15° | WOOD | ★★★★★ | 285.696.12M | 30 |
| 300 | 30 | 96 | 3.2 | 2.2 | 5° | ATB 15° | WOOD | ★★★★★ | 285.096.12M | 31 |
| 300 | 35 | 96 | 3.2 | 2.2 | 5° | ATB 15° | WOOD | ★★★★ | 285.096.12R | 31 |
| 300 | 30 | 96 | 2.6 | 1.8 | 12° | ATB 10° + Shear 8° | WOOD | ★★★★ | 273.300.96M | 33 |
| 300 | 30 | 72 | 3.3 | 2.2 | 5° | HDF | WOOD | ★★★★ | 287.072.12M | 35 |
| 300 | 30 | 96 | 3.2 | 2.2 | 2° | Hi-ATB 38° | WOOD | ★★★★★ | 283.696.12M | 36 |
| 300 | 30 | 96 | 4.2 | 3.2 | 2° | Hi-ATB 38° | WOOD | ★★★★★ | 283.096.12M | 37 |
| 300 | 30 | 96 | 3.0 | 2.5 | 10° | ATB 20° | WOOD | ★★★★★ | 285.596.12M | 38 |
| 300 | 30 | 100 | 3.2 | 2.2 | 15° | 1 FLAT + 4 ATB | WOOD | ★★★★ | 274.100.12M | 39 |

| D mm | B mm | Z | K mm | P mm | α | β | MATERIALS APPLICATION | PERFORMANCE | ORDER NO. | PAGE |
|---|---|---|---|---|---|---|---|---|---|---|
| 300 | 30 | 72 | 3.2 | 2.2 | 10° | TCG | WOOD | ★★★★★ | 281.672.12M | 40 |
| 300 | 30 | 96 | 3.2 | 2.2 | 5° | TCG | WOOD | ★★★★★ | 281.696.12M | 40 |
| 300 | 30 | 72 | 3.2 | 2.2 | 10° | TCG | WOOD | ★★★★★ | 281.072.12M | 41 |
| 300 | 30 | 96 | 3.2 | 2.2 | 10° | TCG | WOOD | ★★★★★ | 281.096.12M | 41 |
| 300 | 30 | 96 | 3.2 | 2.2 | 10° | FFT | WOOD | ★★★★ | 295.096.12M | 42 |
| 300 | 30 | 72 | 3.2 | 2.2 | -3° | FFT | WOOD | ★★★★ | 281.073.12M | 43 |
| 300 | 30 | 96 | 3.2 | 2.2 | -3° | TCG | WOOD | ★★★★★ | 281.697.12M | 44 |
| 300 | 30 | 60 | 3.2 | 2.2 | 10° | TCG | WOOD | ★★★★★ | 237.060.12M | 46 |
| 300 | 30 | 96 | 3.2 | 2.2 | 15° | TCG | WOOD | ★★★★★ | 237.096.12M | 46 |
| 300 | 65 | 48 | 4.3-5.2 | 3.2 | 8° | CO + FLAT | WOOD | ★★★★★ | 238.300.48J | 47 |
| 300 | 75 | 60 | 4.4 | 3.2 | 16° | TCG | WOOD | ★★★★ | 282.060.12X | 48 |
| 300 | 30 | 60 | 4.4 | 3.2 | 15° | TCG | WOOD | ★★★★★ | 282.300.60M | 49 |
| 300 | 80 | 60 | 4.4 | 3.2 | 15° | TCG | WOOD | ★★★★★ | 282.300.60W | 49 |
| 300 | 50 | 48 | 4.3-5.5 | 3.2 | 10° | CO + FLAT | WOOD | ★★★★★ | 288.300.48T | 51 |
| 300 | 65 | 72 | 4.3-5.5 | 3.2 | 10° | CO + FLAT | WOOD | ★★★★★ | 288.300.72J | 51 |
| 300 | 30 | 72 | 2.6 | 1.8 | 18° | ATB 10° | WOOD | ★★ | K30072M | 52 |
| 300 | 30 | 44 | 2.5 | 2.0 | 10° | HR | WOOD | ★★★★★ | 235.300.44M | 62 |
| 300 | 30 | 84 | 3.2 | 2.5 | 0° | MTCG | MULTI-MATERIALS | ★★★★★ | 223.084.12M | 63 |
| 300 | 30 | 96 | 2.8 | 2.2 | -3° | MATB | MULTI-MATERIALS | ★★★★★ | 222.096.12M | 63 |
| 300 | 32 | 96 | 3.2 | 2.5 | 6° | TCG | NON-FERROUS | ★★★★★ | 284.096.12P | 64 |
| 300 | 30 | 96 | 3.2 | 2.5 | -6° | TCG | NON-FERROUS | ★★★★★ | 297.096.12M | 67 |
| 300 | 32 | 96 | 3.2 | 2.5 | -6° | TCG | NON-FERROUS | ★★★★★ | 297.096.12P | 67 |
| 300 | 30 | 96 | 2.8 | 2.0 | -6° | TCG | NON-FERROUS | ★★★★★ | 276.300.96M | 69 |
| 300 | 32 | 160 | 2.5 | - | - | C/HZ | METAL & STEEL | - | 227.300.160P | 70 |
| 300 | 32 | 220 | 2.5 | - | - | BW | METAL & STEEL | - | 227.300.220P | 71 |
| 300 | 32 | 220 | 2.0 | - | - | BW | METAL & STEEL | - | 227.300.722P | 71 |
| 300 | 32 | 220 | 2.5 | - | - | BW | METAL & STEEL | - | 227.300.720P | 71 |
| 300 | 32 | 0 | 2.5 | - | - | Not Sharpened | METAL & STEEL | - | 227.300P | 71 |
| 300 | 30 | 80 | 2.2 | 1.8 | 0° | FWF 10° | METAL & STEEL | ★★★★ | 226.580.12M | 74 |
| 303 | 30 | 60 | 3.2 | 2.2 | -6° | HDF | WOOD | ★★★★ | 287.061.12M | 34 |
| 303 | 30 | 60 | 3.2 | 2.2 | 10° | HDF | WOOD | ★★★★ | 287.060.12M | 35 |
| 305 | 30 | 28 | 3.2 | 2.2 | 20° | ATB 10° | WOOD | ★★★★ | 293.028.22M | 19 |
| 305 | 30 | 54 | 2.8 | 1.8 | -5° | ATB 15° | WOOD | ★★★★★ | 294.054.22M | 23 |
| 305 | 30 | 48 | 2.6 | 1.8 | -5° | ATB 10° | WOOD | ★★★★ | 271.305.48M | 25 |
| 305 | 30 | 72 | 3.2 | 2.2 | 10° | ATB 15° | WOOD | ★★★★★ | 285.072.22M | 27 |
| 305 | 30 | 72 | 3.2 | 2.2 | -5° | ATB 15° | WOOD | ★★★★★ | 294.072.22M | 27 |
| 305 | 30 | 72 | 2.6 | 1.8 | -5° | ATB 10° + Shear 8° | WOOD | ★★★★ | 272.305.72M | 29 |
| 305 | 30 | 96 | 3.2 | 2.5 | -6° | TCG | NON-FERROUS | ★★★★★ | 297.096.13M | 67 |
| 305 | 30 | 96 | 2.8 | 2.0 | -6° | TCG | NON-FERROUS | ★★★★ | 276.305.96M | 69 |
| 305 | 25 | 80 | 2.2 | 1.8 | 0° | FWF 8° | METAL & STEEL | ★★★★ | 226.080.12 | 72 |
| 305 | 30 | 80 | 2.2 | 1.8 | 0° | FWF 8° | METAL & STEEL | ★★★★ | 226.080.12M | 72 |
| 305 | 25 | 60 | 2.2 | 1.8 | 0° | FWF 8° | METAL & STEEL | ★★★★ | 226.060.12 | 73 |
| 305 | 25.4 | 80 | 2.2 | 1.8 | 0° | FWF 10° | METAL & STEEL | ★★★★ | 226.580.12 | 74 |
| 315 | 30 | 24 | 3.2 | 2.2 | 15° | ATB 5° | WOOD | ★★★★ | 286.024.13M | 13 |
| 315 | 30 | 28 | 3.2 | 2.2 | 20° | ATB 10° | WOOD | ★★★★ | 293.028.12M | 19 |
| 315 | 30 | 36 | 3.2 | 2.2 | 15° | ATB 5° | WOOD | ★★★★ | 285.036.13M | 19 |
| 315 | 30 | 54 | 3.2 | 2.2 | 15° | ATB 10° | WOOD | ★★★★★ | 294.054.12M | 23 |
| 315 | 30 | 54 | 2.6 | 1.8 | -5° | ATB 10° | WOOD | ★★★★ | 271.315.54M | 25 |
| 315 | 30 | 72 | 3.2 | 2.2 | 15° | ATB 10° | WOOD | ★★★★★ | 285.072.13M | 27 |
| 315 | 30 | 96 | 3.2 | 2.5 | -6° | TCG | NON-FERROUS | ★★★★★ | 297.096.23M | 67 |
| 315 | 32 | 160 | 2.5 | - | - | C/HZ | METAL & STEEL | - | 227.315.160P | 70 |
| 315 | 32 | 240 | 2.5 | - | - | BW | METAL & STEEL | - | 227.315.240P | 71 |
| 315 | 32 | 240 | 2.5 | - | - | BW | METAL & STEEL | - | 227.315.740P | 71 |
| 315 | 32 | 0 | 2.5 | - | - | Not Sharpened | METAL & STEEL | - | 227.315P | 71 |
| 320 | 65 | 60 | 4.4 | 3.2 | 16° | TCG | WOOD | ★★★★ | Y282.060.13J | 48 |
| 320 | 65 | 60 | 4.4 | 3.2 | 15° | TCG | WOOD | ★★★★★ | 282.320.60J | 49 |

| D mm | B mm | Z | K mm | P mm | α | β | MATERIALS APPLICATION | PERFORMANCE | ORDER NO. | PAGE |
|---|---|---|---|---|---|---|---|---|---|---|
| 320 | 65 | 72 | 4.4 | 3.2 | 15° | TCG | WOOD | ★★★★★ | 282.320.72J | 49 |
| 330 | 30 | 96 | 3.6 | 3.0 | -6° | TCG | NON-FERROUS | ★★★★★ | 297.096.33M | 67 |
| 330 | 32 | 96 | 3.6 | 3.0 | -6° | TCG | NON-FERROUS | ★★★★★ | 297.096.33P | 67 |
| 350 | 30 | 24 | 3.2 | 2.2 | 15° | ATB 5° | WOOD | ★★★★ | 286.024.14M | 13 |
| 350 | 30 | 24+6 | 4.2 | 2.8 | 18° | ATB 10° | WOOD | ★★★★ | 277.024.14M | 15 |
| 350 | 70 | 24+6 | 4.2 | 2.8 | 18° | ATB 10° | WOOD | ★★★★ | 277.024.14V | 15 |
| 350 | 30 | 28+4 | 3.5 | 2.5 | 18° | ATB 10° | WOOD | ★★★★ | 279.028.14M | 16 |
| 350 | 60 | 28+4 | 3.5 | 2.5 | 18° | ATB 10° | WOOD | ★★★★ | 279.028.14U | 16 |
| 350 | 70 | 28+4 | 3.5 | 2.5 | 18° | ATB 10° | WOOD | ★★★★★ | 279.028.14V | 16 |
| 350 | 80 | 28+4 | 3.5 | 2.5 | 18° | ATB 10° | WOOD | ★★★★ | 279.028.14W | 16 |
| 350 | 30 | 36 | 3.5 | 2.5 | 18° | ATB 10° | WOOD | ★★★★★ | 278.036.14M | 17 |
| 350 | 70 | 36 | 3.5 | 2.5 | 18° | ATB 10° | WOOD | ★★★★★ | 278.036.14V | 17 |
| 350 | 30 | 28 | 3.5 | 2.5 | 20° | ATB 10° | WOOD | ★★★★ | 293.028.14M | 19 |
| 350 | 35 | 28 | 3.5 | 2.5 | 20° | ATB 10° | WOOD | ★★★★ | 293.028.14R | 19 |
| 350 | 30 | 54 | 3.5 | 2.5 | 15° | ATB 10° | WOOD | ★★★★★ | 285.654.14M | 22 |
| 350 | 30 | 54 | 3.5 | 2.5 | 15° | ATB 10° | WOOD | ★★★★★ | 285.054.14M | 23 |
| 350 | 35 | 54 | 3.5 | 2.5 | 15° | ATB 10° | WOOD | ★★★★ | 285.054.14R | 23 |
| 350 | 30 | 84 | 3.5 | 2.5 | 10° | ATB 15° | WOOD | ★★★★★ | 285.684.14M | 26 |
| 350 | 30 | 72 | 3.5 | 2.5 | 15° | ATB 10° | WOOD | ★★★★★ | 285.072.14M | 27 |
| 350 | 30 | 84 | 3.5 | 2.5 | 10° | ATB 15° | WOOD | ★★★★★ | 285.084.14M | 27 |
| 350 | 35 | 84 | 3.5 | 2.5 | 10° | ATB 15° | WOOD | ★★★★ | 285.084.14R | 27 |
| 350 | 30 | 108 | 3.5 | 2.5 | 5° | ATB 15° | WOOD | ★★★★★ | 285.708.14M | 30 |
| 350 | 30 | 108 | 3.5 | 2.5 | 5° | ATB 15° | WOOD | ★★★★★ | 285.108.14M | 31 |
| 350 | 35 | 108 | 3.5 | 2.5 | 5° | ATB 15° | WOOD | ★★★★ | 285.108.14R | 31 |
| 350 | 30 | 108 | 3.5 | 2.5 | 5° | Hi-ATB 38° | WOOD | ★★★★★ | 283.108.14M | 37 |
| 350 | 30 | 84 | 3.5 | 2.5 | 10° | TCG | WOOD | ★★★★★ | 281.684.14M | 40 |
| 350 | 30 | 108 | 3.5 | 2.5 | 5° | TCG | WOOD | ★★★★★ | 281.708.14M | 40 |
| 350 | 30 | 84 | 3.5 | 2.5 | 10° | TCG | WOOD | ★★★★ | 281.084.14M | 41 |
| 350 | 30 | 108 | 3.5 | 2.5 | 5° | TCG | WOOD | ★★★★★ | 281.108.14M | 41 |
| 350 | 30 | 108 | 3.5 | 2.5 | 10° | FFT | WOOD | ★★★★ | 295.108.14M | 42 |
| 350 | 30 | 72 | 3.5 | 2.4 | 15° | TCG | WOOD | ★★★★★ | 237.072.14M | 46 |
| 350 | 30 | 54 | 4.4 | 3.2 | 16° | TCG | WOOD | ★★★★ | 282.054.14M | 48 |
| 350 | 30 | 108 | 3.5 | 2.5 | 10° | TCG | WOOD | ★★★★ | 281.108.14M | 48 |
| 350 | 50 | 72 | 4.4 | 3.2 | 16° | TCG | WOOD | ★★★★ | 282.072.14T | 48 |
| 350 | 75 | 54 | 4.4 | 3.2 | 16° | TCG | WOOD | ★★★★ | 282.054.14X | 48 |
| 350 | 80 | 54 | 4.4 | 3.2 | 16° | TCG | WOOD | ★★★★ | 282.054.14W | 48 |
| 350 | 30 | 72 | 4.4 | 3.2 | 15° | TCG | WOOD | ★★★★★ | 282.350.72M | 49 |
| 350 | 60 | 72 | 4.4 | 3.2 | 15° | TCG | WOOD | ★★★★★ | 282.350.72U | 49 |
| 350 | 75 | 72 | 4.4 | 3.2 | 15° | TCG | WOOD | ★★★★★ | 282.350.72X | 49 |
| 350 | 80 | 72 | 4.4 | 3.2 | 15° | TCG | WOOD | ★★★★★ | 282.350.72W | 49 |
| 350 | 32 | 84 | 3.6 | 3.0 | 6° | TCG | NON-FERROUS | ★★★★★ | 284.092.14P | 64 |
| 350 | 32 | 108 | 3.6 | 3.0 | 6° | TCG | NON-FERROUS | ★★★★★ | 284.108.14P | 64 |
| 350 | 30 | 108 | 3.6 | 3.0 | -6° | TCG | NON-FERROUS | ★★★★★ | 297.108.14M | 67 |
| 350 | 32 | 108 | 3.6 | 3.0 | -6° | TCG | NON-FERROUS | ★★★★★ | 297.108.14P | 67 |
| 350 | 32 | 180 | 2.5 | - | - | C/HZ | METAL & STEEL | - | 227.350.180P | 70 |
| 350 | 32 | 280 | 2.5 | - | - | BW | METAL & STEEL | - | 227.350.280P | 71 |
| 350 | 32 | 280 | 2.5 | - | - | BW | METAL & STEEL | - | 227.350.780P | 71 |
| 350 | 32 | 0 | 2.5 | - | - | Not Sharpened | METAL & STEEL | - | 227.350P | 71 |
| 355 | 30 | 72 | 4.4 | 3.2 | 16° | TCG | WOOD | ★★★★ | S282.03556 | 48 |
| 355 | 80 | 72 | 4.4 | 3.2 | 10° | TCG | WOOD | ★★★★ | 282.072.14W2 | 48 |
| 355 | 65 | 72 | 4.4 | 3.2 | 15° | TCG | WOOD | ★★★★★ | 282.355.72J | 49 |
| 355 | 25 | 90 | 2.2 | 1.8 | 0° | FWF 8° | METAL & STEEL | ★★★★ | 226.090.14 | 72 |
| 355 | 30 | 90 | 2.2 | 1.8 | 0° | FWF 8° | METAL & STEEL | ★★★★ | 226.090.14M | 72 |
| 355 | 25 | 72 | 2.2 | 1.8 | 0° | FWF 8° | METAL & STEEL | ★★★★ | 226.072.14 | 73 |
| 355 | 30 | 90 | 2.2 | 1.8 | 0° | FWF 10° | METAL & STEEL | ★★★★ | 226.590.14M | 74 |
| 355 | 25.4 | 90 | 2.2 | 1.8 | 0° | FWF 10° | METAL & STEEL | ★★★★ | 226.590.14 | 74 |

| D mm | B mm | Z | K mm | P mm | α | β | MATERIALS APPLICATION | PERFORMANCE | ORDER NO. | PAGE |
|---|---|---|---|---|---|---|---|---|---|---|
| 380 | 60 | 72 | 4.8 | 3.5 | 16° | TCG | WOOD | ★★★★ | 282.072.15U | 48 |
| 380 | 60 | 72 | 4.4 | 3.2 | 15° | TCG | WOOD | ★★★★ | 282.072.15U2 | 48 |
| 380 | 80 | 72 | 4.4 | 3.2 | 16° | TCG | WOOD | ★★★★ | 282.072.15W | 48 |
| 380 | 60 | 72 | 4.4 | 3.2 | 15° | TCG | WOOD | ★★★★★ | 282.380.72U2 | 49 |
| 380 | 60 | 72 | 4.8 | 3.5 | 15° | TCG | WOOD | ★★★★★ | 282.380.72U | 49 |
| 380 | 80 | 72 | 4.4 | 3.2 | 15° | TCG | WOOD | ★★★★★ | 282.380.72W | 49 |
| 400 | 30 | 28 | 3.2 | 2.2 | 15° | ATB 5° | WOOD | ★★★★ | 286.028.16M | 13 |
| 400 | 30 | 28+6 | 4.0 | 2.8 | 18° | ATB 10° | WOOD | ★★★★ | 279.028.16M | 16 |
| 400 | 70 | 28+6 | 4.0 | 2.8 | 18° | ATB 10° | WOOD | ★★★★ | 279.028.16V | 16 |
| 400 | 30 | 36 | 3.5 | 2.5 | 20° | ATB 10° | WOOD | ★★★★ | 285.036.16M | 19 |
| 400 | 30 | 60 | 3.5 | 2.5 | 10° | ATB 15° | WOOD | ★★★★★ | 285.660.16M | 22 |
| 400 | 30 | 48 | 3.5 | 2.5 | 20° | ATB 10° | WOOD | ★★★★★ | 285.048.16M | 23 |
| 400 | 30 | 60 | 3.5 | 2.5 | 10° | ATB 15° | WOOD | ★★★★★ | 285.060.16M | 23 |
| 400 | 30 | 96 | 3.5 | 2.5 | 10° | ATB 15° | WOOD | ★★★★★ | 285.696.16M | 26 |
| 400 | 30 | 96 | 3.5 | 2.5 | 10° | ATB 15° | WOOD | ★★★★★ | 285.096.16M | 27 |
| 400 | 30 | 120 | 3.5 | 2.5 | 10° | ATB 15° | WOOD | ★★★★★ | 285.120.16M | 31 |
| 400 | 30 | 60 | 4.4 | 3.2 | 16° | TCG | WOOD | ★★★★ | 282.060.16M | 48 |
| 400 | 60 | 72 | 4.4 | 3.2 | 16° | TCG | WOOD | ★★★★ | 282.072.16U | 48 |
| 400 | 75 | 60 | 4.4 | 3.2 | 16° | TCG | WOOD | ★★★★ | 282.060.16X | 48 |
| 400 | 80 | 72 | 4.4 | 3.2 | 16° | TCG | WOOD | ★★★★ | 282.072.16W | 48 |
| 400 | 30 | 72 | 4.4 | 3.2 | 15° | TCG | WOOD | ★★★★★ | 282.400.72M | 49 |
| 400 | 75 | 72 | 4.4 | 3.2 | 15° | TCG | WOOD | ★★★★★ | 282.400.72X | 49 |
| 400 | 80 | 72 | 4.4 | 3.2 | 15° | TCG | WOOD | ★★★★★ | 282.400.72W | 49 |
| 400 | 32 | 96 | 4.0 | 3.2 | 6° | TCG | NON-FERROUS | ★★★★★ | 284.096.16P | 64 |
| 400 | 30 | 120 | 4.0 | 3.2 | -6° | TCG | NON-FERROUS | ★★★★★ | 297.120.16M | 67 |
| 400 | 32 | 96 | 4.0 | 3.2 | -6° | TCG | NON-FERROUS | ★★★★★ | 297.108.16P | 67 |
| 400 | 32 | 120 | 4.0 | 3.2 | -6° | TCG | NON-FERROUS | ★★★★★ | 297.120.16P | 67 |
| 420 | 80 | 72 | 4.4 | 3.2 | 15° | TCG | WOOD | ★★★★ | 282.072.17W | 48 |
| 420 | 32 | 96 | 3.8 | 3.2 | 6° | TCG | NON-FERROUS | ★★★★★ | 284.096.17P | 64 |
| 430 | 75 | 72 | 4.4 | 3.2 | 16° | TCG | WOOD | ★★★★ | 282.072.17X | 48 |
| 430 | 80 | 72 | 4.4 | 3.2 | 16° | TCG | WOOD | ★★★★ | 282.072.17W2 | 48 |
| 430 | 65 | 72 | 4.4 | 3.2 | 15° | TCG | WOOD | ★★★★★ | 282.430.72J | 49 |
| 450 | 30 | 32 | 3.8 | 2.8 | 15° | ATB 5° | WOOD | ★★★★ | 286.032.18M | 13 |
| 450 | 30 | 36 | 3.8 | 2.8 | 20° | ATB 10° | WOOD | ★★★★ | 285.036.18M | 19 |
| 450 | 30 | 54 | 3.8 | 2.8 | 15° | ATB 15° | WOOD | ★★★★ | 285.054.18M | 23 |
| 450 | 30 | 66 | 3.8 | 2.8 | 10° | ATB 15° | WOOD | ★★★★ | 285.066.18M | 27 |
| 450 | 30 | 72 | 4.4 | 3.2 | 16° | TCG | WOOD | ★★★★ | Y282.072.18M2 | 48 |
| 450 | 60 | 72 | 4.8 | 3.5 | 16° | TCG | WOOD | ★★★★ | 282.072.18U | 48 |
| 450 | 80 | 72 | 4.8 | 3.5 | 16° | TCG | WOOD | ★★★★ | 282.072.18W2 | 48 |
| 450 | 30 | 72 | 4.4 | 3.2 | 15° | TCG | WOOD | ★★★★★ | 282.450.72M | 49 |
| 450 | 60 | 72 | 4.8 | 3.5 | 15° | TCG | WOOD | ★★★★★ | 282.450.72U | 49 |
| 450 | 30 | 108 | 4.2 | 3.5 | 6° | TCG | NON-FERROUS | ★★★★★ | 284.108.18M | 64 |
| 450 | 32 | 108 | 4.2 | 3.5 | 6° | TCG | NON-FERROUS | ★★★★★ | 284.108.18P | 64 |
| 450 | 30 | 96 | 4.2 | 3.5 | -6° | TCG | NON-FERROUS | ★★★★★ | 297.108.18M | 67 |
| 450 | 30 | 120 | 4.2 | 3.5 | -6° | TCG | NON-FERROUS | ★★★★★ | Y297.140.18M | 67 |
| 450 | 32 | 96 | 4.2 | 3.5 | -6° | TCG | NON-FERROUS | ★★★★★ | 297.108.18P | 67 |
| 450 | 32 | 120 | 4.2 | 3.5 | -6° | TCG | NON-FERROUS | ★★★★★ | 297.120.18P | 67 |
| 500 | 30 | 36 | 3.8 | 2.8 | 15° | ATB 5° | WOOD | ★★★★ | 286.036.20M | 13 |
| 500 | 30 | 44 | 4.0 | 2.8 | 20° | ATB 10° | WOOD | ★★★★ | 285.044.20M | 19 |
| 500 | 30 | 60 | 3.8 | 2.8 | 15° | ATB 15° | WOOD | ★★★★ | 285.060.20M | 23 |
| 500 | 30 | 72 | 3.8 | 2.8 | 10° | ATB 15° | WOOD | ★★★★ | 285.072.20M | 27 |
| 500 | 60 | 72 | 4.8 | 3.5 | 16° | TCG | WOOD | ★★★★ | 282.072.20U | 48 |
| 500 | 30 | 120 | 4.3 | 3.5 | 10° | TCG | NON-FERROUS | ★★★★★ | 284.120.20M | 64 |
| 500 | 32 | 120 | 4.3 | 3.5 | 10° | TCG | NON-FERROUS | ★★★★★ | 284.120.20P | 64 |
| 500 | 30 | 120 | 4.3 | 3.5 | -6° | TCG | NON-FERROUS | ★★★★★ | 297.120.20M | 67 |
| 500 | 32 | 120 | 4.3 | 3.5 | -6° | TCG | NON-FERROUS | ★★★★★ | 297.120.20P | 67 |

| D mm | B mm | Z | K mm | P mm | α | β | MATERIALS APPLICATION | PERFORMANCE | ORDER NO. | PAGE |
|---|---|---|---|---|---|---|---|---|---|---|
| **520** | **70** | 60 | 4.8 | 3.5 | 15° | TCG | **WOOD** | ★★★★★ | **282.520.60V** | 49 |
| **550** | **30** | 40 | 4.2 | 3.2 | 15° | ATB 5° | **WOOD** | ★★★★ | **286.040.22M** | 13 |
| **550** | **30** | 60 | 4.2 | 3.2 | 15° | ATB 10° | **WOOD** | ★★★★ | **285.060.22M** | 23 |
| **550** | **30** | 96 | 4.2 | 3.2 | 10° | ATB 15° | **WOOD** | ★★★★ | **285.096.22M** | 27 |
| **550** | **30** | 132 | 4.3 | 3.5 | 10° | TCG | **NON-FERROUS** | ★★★★★ | **284.132.22M** | 64 |
| **550** | **32** | 132 | 4.3 | 3.5 | 10° | TCG | **NON-FERROUS** | ★★★★★ | **284.132.22P** | 64 |
| **550** | **32** | 148 | 4.3 | 3.5 | 5° | TCG | **NON-FERROUS** | ★★★★★ | **Y297.148.22P** | 67 |
| **600** | **30** | 40 | 4.2 | 3.2 | 15° | ATB 5° | **WOOD** | ★★★★ | **286.040.24M** | 13 |
| **600** | **30** | 66 | 4.2 | 3.2 | 15° | ATB 10° | **WOOD** | ★★★★ | **285.066.24M** | 23 |
| **700** | **30** | 46 | 4.4 | 3.2 | 15° | ATB 5° | **WOOD** | ★★★★ | **286.046.28M** | 13 |
| **700** | **30** | 72 | 4.4 | 3.2 | 10° | ATB 15° | **WOOD** | ★★★★ | **285.072.28M** | 23 |

| DIAMETER | | WOOD NON-FERROUS | METAL & STEEL |
|---|---|---|---|
| mm | inches | MAX RPM | MAX RPM |
| 50 | 2 | 30000 | 7500 |
| 70 | - | 21800 | 7500 |
| 80 | - | 19000 | 7500 |
| 85 | 3-3/8 | 18000 | 7500 |
| 86 | | | |
| 100 | 4 | 15300 | 7500 |
| 100.4 | | | |
| 115 | 4-1/2 | 13500 | 6000 |
| 120 | - | 12700 | 6000 |
| 125 | - | 11800 | 6000 |
| 130 | | | |
| 136 | 5-3/8 | 11300 | 6000 |
| 140 | 5-1/2 | 11000 | 6000 |
| 150 | 6 | 10000 | 6000 |
| 152 | | | |
| 160 | 6-1/2 | 9500 | 6000 |
| 165 | | | |
| 168 | | | |
| 170 | 6-3/4 | 9000 | 6000 |
| 178 | 7 | 8500 | 6000 |
| 180 | | | |
| 184 | 7-1/4 | 8300 | 6000 |
| 190 | - | 8000 | 6000 |
| 200 | 8 | 9500 | 4500 |
| 203 | | | |
| 210 | 8-1/4 | 9000 | 4500 |
| 215 | 8-1/2 | | |
| 216 | | | |
| 220 | 9 | 8500 | 3500 |
| 225 | | | |
| 230 | | | |
| 235 | - | 8100 | 3500 |
| 240 | - | 8000 | 3000 |
| 250 | 10 | 7600 | 3000 |
| 254 | | | |
| 260 | 10-1/4 | 7300 | 3000 |
| 270 | - | 7100 | 3000 |
| 275 | - | 6800 | 3000 |
| 280 | | | |
| 300 | 12 | 6400 | 2000 |
| 303 | | | |
| 305 | | | |
| 315 | - | 6100 | 2000 |
| 320 | - | 6000 | 2000 |
| 330 | - | 5800 | 2000 |
| 350 | 14 | 5500 | 2000 |
| 355 | | | |
| 380 | - | 5000 | 1500 |
| 400 | 16 | 4800 | 1500 |
| 406 | | | |
| 420 | - | 4600 | 1500 |
| 430 | - | 4400 | 1500 |
| 450 | - | 4200 | 1500 |
| 500 | - | 3800 | 1000 |
| 520 | - | 3600 | 1000 |
| 550 | - | 3500 | 1000 |
| 600 | - | 3200 | 1000 |
| 700 | - | 2700 | 1000 |

## WARNING

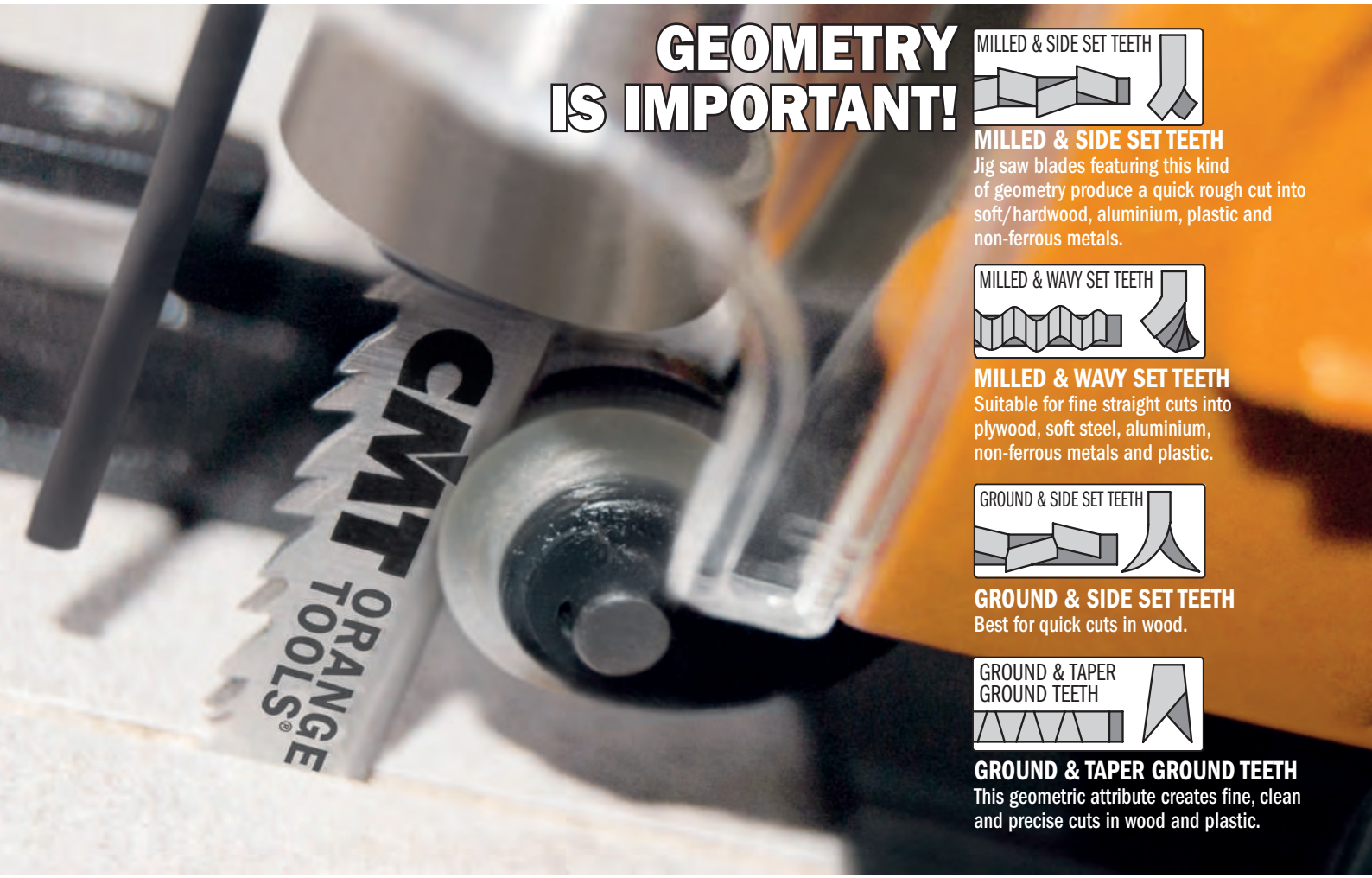
RPM requirements may vary for certain products; always follow the values shown on the blade.

The **230 series (DADO)** does not follow these MAX RPM values. Instead, please use the RPM values indicated on the blades.

The **227 series (HSS)** does not follow these MAX RPM values. Instead, please refer to the corresponding page in the catalogue.

# QUALITY MATERIALS FOR OUTSTANDING PERFORMANCE

Designed and crafted using state-of-the-art processes as well as high-tech machinery these jig saw blades carry out precise cuts on a variety of materials: soft & hardwood, plywood, OSB, laminates, plastics, HPL, multiplex panels, metals, ferrous & non-ferrous materials, aluminium, Fibreglass as well as stainless steel. CMT jig saw blades come in four different materials made to outperform the competition and deliver impressive results.




## GEOMETRY IS IMPORTANT!




**MILLED & SIDE SET TEETH**
Jig saw blades featuring this kind of geometry produce a quick rough cut into soft/hardwood, aluminium, plastic and non-ferrous metals.




**MILLED & WAVY SET TEETH**
Suitable for fine straight cuts into plywood, soft steel, aluminium, non-ferrous metals and plastic.




**GROUND & SIDE SET TEETH**
Best for quick cuts in wood.




**GROUND & TAPER GROUND TEETH**
This geometric attribute creates fine, clean and precise cuts in wood and plastic.

**HCS — HIGH CARBON STEEL**
Great for cutting wood, fiberboard and plastic.

**BIM 8% Co — BI-METAL WITH 8% COBALT**
Premium bi-metal with 8% Cobalt provides superb results and guarantees long life when cutting metal, non-ferrous, plastic and wood with nails.

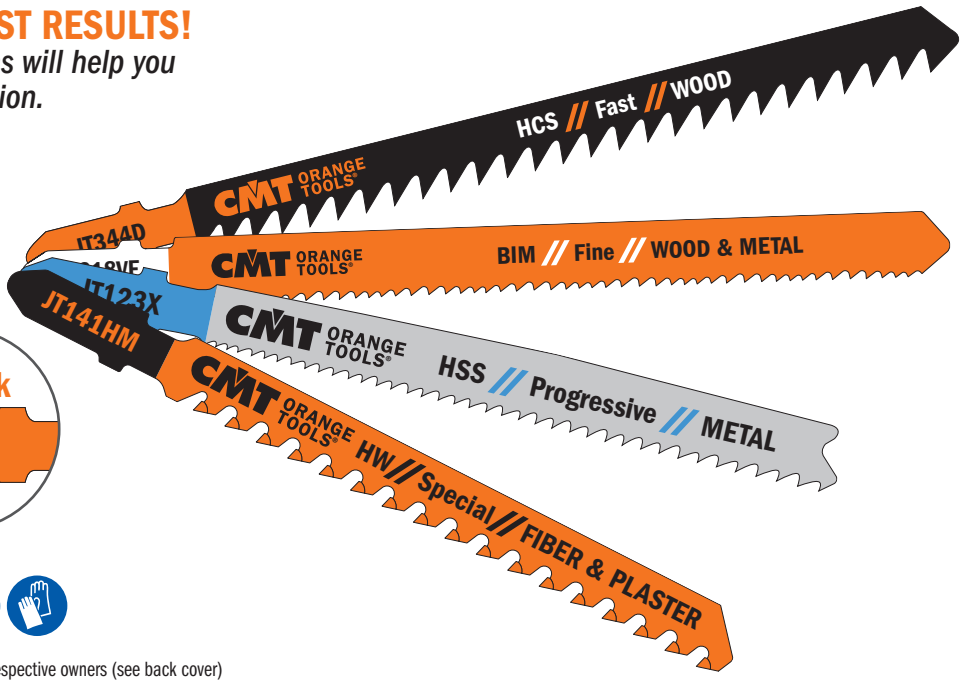
**HSS — HIGH SPEED STEEL**
For cutting harder materials, such as metals, aluminium and non-ferrous metals.

**HW — TUNGSTEN CARBIDE TIPPED**
For cutting fibercement board, brick, porous concrete, plasterboard, MDF, Fibreglass and ETERNIT®.

## THE RIGHT BLADE FOR THE BEST RESULTS!

*A quick reference chart and pictograms will help you select the right blade for your application.*

- // Wood
- // Wood & Metal
- // Metal
- // Special



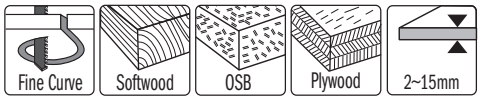
® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

# Guide to Choosing the Most Suitable Jig Saw Blade

| SERIES | MATERIAL | THICKNESS | LINE | FINE STRAIGHT | COARSE STRAIGHT | FINE CURVE | COARSE CURVE | PAGE |
|---|---|---|---|---|---|---|---|---|
| WOOD | SOFTWOOD | 1.5~15 | FINE | | | JT101AO | | 92 |
| | | 2~15 | BASIC | | | JT119BO | | 91 |
| | | 3~65 | FINE, SPLINTER-FREE | JT234X | | | | 93 |
| | | 3~30 | FINE | JT101B | | | | 92 |
| | | 3~30 | FINE, SPLINTER-FREE | JT101BR | | | | 92 |
| | | 4~60 | BASIC | | JT111C | | | 91 |
| | | 5~60 | FAST | JT144DHM | JT144D | | JT244D - JT244DDC | 91 |
| | | 5~100 | FAST | | JT344D | | | 92 |
| | | 7~55 | FINE | JT101D | | | | 92 |
| | | 7~65 | FINE | JT301CD - JT318VF | | | | 93 |
| | HARDWOOD | 1.5~15 | FINE | | | JT101AO | | 92 |
| | | 3~30 | FINE | JT101B | | | | 92 |
| | | 3~30 | FINE, SPLINTER-FREE | JT101BR | | | | 92 |
| | | 3~65 | FINE, SPLINTER-FREE | JT234X - JT308BFP | | JT308BFP | | 93 |
| | | 5~60 | FAST | JT144DHM | JT144D | | JT244D - JT244DDC | 91 |
| | | 5~100 | FAST | | JT344D | | | 92 |
| | | 7~55 | FINE | JT101D | | | | 92 |
| | | 7~65 | FINE | JT301CD - JT318VF | | | | 93 |
| | OSB | 2~15 | BASIC | | | JT119BO | | 91 |
| | | 3~30 | FINE | JT101B | | | | 92 |
| | | 4~60 | BASIC | | JT111C | | | 91 |
| | | 5~60 | FAST | JT144DHM | JT144D | | JT244D - JT244DDC | 91 |
| | | 7~55 | FINE | JT101D - JT318VF | | | | 92-93 |
| | PLYWOOD | 1.5~15 | FINE | | | JT101AO | | 92 |
| | | 2~15 | BASIC | | | JT119BO | | 91 |
| | | 3~30 | FINE | JT101B | | | | 92 |
| | | 3~30 | FINE, SPLINTER-FREE | JT101BR | | | | 92 |
| | | 3~65 | FINE, SPLINTER-FREE | JT234X - JT318VF | | | | 93 |
| | | 4~60 | BASIC | | JT111C | | | 91 |
| | | 5~60 | FAST | JT144DHM | JT144D | | JT244D - JT244DDC | 91 |
| | | 5~100 | FAST | | JT344D | | | 92 |
| | | 7~55 | FINE | JT101D - JT318VF | | | | 92-93 |
| | CONSTRUCTION WOOD | <30 | FINE | JT101B | | | | 92 |
| | | 3~65 | FINE, SPLINTER-FREE | JT234X | | | | 93 |
| | | <100 | FAST | | JT344D | | | 92 |
| | | <135 | FAST | JT144DHM | JT144D | | | 91 |
| | CHIPBOARD | 2~15 | BASIC | | | JT119BO | | 91 |
| | | 3~30 | FINE | JT101B | | JT101AO | | 92 |
| | | 3~65 | FINE, SPLINTER-FREE | JT234X - JT318VF | | | | 93 |
| | | 4~60 | BASIC | | JT111C | | | 91 |
| | | 5~60 | FAST | JT308BFP | JT144D | JT308BFP | JT244D - JT244DDC | 91-93 |
| | LAMINATED PANELS | 1.5~15 | FINE | | | JT101AO | | 92 |
| | KITCHEN TOPS | 1.5~15 | FINE, LONG LIFE | JT101BIF | | | | 93 |
| | WORKTOPS | 3~30 | FINE | JT101B | | | | 92 |
| | | 3~30 | FINE, SPLINTER-FREE | JT101BR | | | | 92 |
| | | 3~65 | FINE, SPLINTER-FREE | JT234X - JT308BFP | | JT308BFP | | 93 |
| | | 5~50 | FINE, LONG LIFE | JT128BHM | | | | 93 |
| METAL | SHEET METALS | 1~3 | BASIC | JT118A | | JT218A | | 94 |
| | | 1.5~10 | FAST, LONG LIFE | JT123X - JT318VF | | | | 94-95 |
| | | 2.5~6 | BASIC | JT118B | | | | 94 |
| | ALUMINIUM, NON-FERROUS | <30 | FAST | JT127D | | | | 94 |
| | | 1.5~10 | FAST | JT123X - JT318VF | | | | 93-94 |
| | PIPES | <30 | FAST | JT123X - JT318VF | | | | 93-94 |
| | INOX SHEETS | 1.5~3 | FAST | JT123X - JT318VF | | | | 93-94 |
| | SANDWICH MATERIAL | <120 | FAST, FLEXIBLE | JT718BF | | | | 94 |
| SPECIAL | GRP (FIBREGLASS) | <30 | FAST | JT127D | | | | 94 |
| | PLASTIC (PP, PE, PVC, PA, PS) | <30 | FINE | JT101D | | | | 92 |
| | | <30 | FAST | JT123X | | | | 94 |
| | | 7~65 | FINE | JT301CD - JT318VF | | | | 93 |
| | PLASTERBOARD | 5~50 | SPECIAL | | JT141HM | | | 95 |
| | | 5~80 | SPECIAL | | JT341HM | | | 95 |
| | GRP (FIBREGLASS) | <80 | SPECIAL | | JT341HM | | | 95 |
| | FIBRECEMENT BOARDS | 5~50 | SPECIAL | | JT141HM | | | 95 |
| | | 5~80 | SPECIAL | JT367XHM | JT341HM | | | 95 |
| | CARTON, LEATHER, RUBBER | <100 | SPECIAL | JT313AW | | | | 95 |
| | SOFT TILE, CAST IRON | 5~10 | SPECIAL | JT150RF | | | | 95 |

## JT119BO

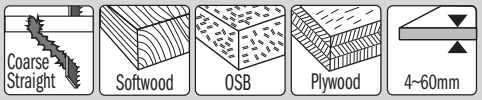
| PACK Quantity | L mm | I mm | TS mm | TPI | | ORDER NO. T Shank |
|---|---|---|---|---|---|---|
| 5 | 76 | 50 | 2 | 12 | 100 | JT119BO-5 |




Curve cuts on softwood (2~15mm), plywood, OSB.

## JT111C

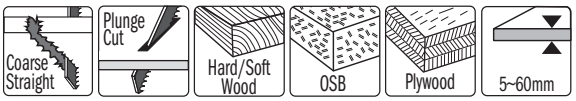
| PACK Quantity | L mm | I mm | TS mm | TPI | | ORDER NO. T Shank |
|---|---|---|---|---|---|---|
| 5 | 100 | 75 | 3 | 8 | 100 | JT111C-5 |




Fast coarse cuts on softwood (4~60mm), plywood, OSB.

## JT144D

| PACK Quantity | L mm | I mm | TS mm | TPI | | ORDER NO. T Shank |
|---|---|---|---|---|---|---|
| 5 | 100 | 75 | 4 | 6 | 100 | JT144D-5 |
| 25 | 100 | 75 | 4 | 6 | 10 | JT144D-25 |
| 100 | 100 | 75 | 4 | 6 | 4 | JT144D-100 |




Very fast cuts, straight and coarse, on hard/softwood (5~60mm), plywood, OSB. Plunge cutting.

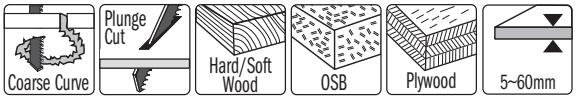
## JT144DHM

| PACK Quantity | L mm | I mm | TS mm | TPI | | ORDER NO. T Shank |
|---|---|---|---|---|---|---|
| 1 | 100 | 75 | 3.5-5 | 5-7 | 10 | JT144DHM |

Superior cuts and XTREME durability in composite decking materials and hard woods (5~60mm). Plunge cutting.

## JT244D

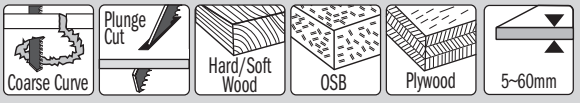
| PACK Quantity | L mm | I mm | TS mm | TPI | | ORDER NO. T Shank |
|---|---|---|---|---|---|---|
| 5 | 100 | 75 | 4 | 6 | 100 | JT244D-5 |




Fast, curve, coarse cut on soft and hardwood (5~60mm), plywood, OSB. Plunge cutting.

## JT244DDC

| PACK Quantity | L mm | I mm | TS mm | TPI | | ORDER NO. T Shank |
|---|---|---|---|---|---|---|
| 5 | 100 | 75 | 4 | 6 | 100 | JT244DDC-5 |




Fast, curve, coarse cut on soft and hardwood (5~60mm), plywood, OSB. Plunge cutting. Special “DUO” (double) cuts for fast curve cutting.

## JT344D

WOOD · GROUND & SIDE SET TEETH · FAST CUT · HCS

| PACK Quantity | L mm | l mm | TS mm | TPI | | ORDER NO. T Shank |
|---|---|---|---|---|---|---|
| 5 | 132 | 110 | 4 | 6 | 100 | JT344D-5 |

Very fast cuts, straight and coarse on thick construction timber, hard/softwood (5~100mm), plywood, OSB.

## JT744D

WOOD · GROUND & SIDE SET TEETH · FAST CUT · HCS

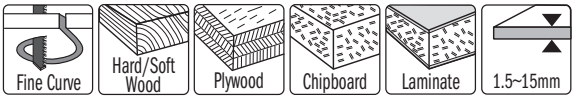
| PACK Quantity | L mm | l mm | TS mm | TPI | | ORDER NO. T Shank |
|---|---|---|---|---|---|---|
| 3 | 180 | 155 | 4 | 6 | 20 | JT744D-3 |

Very fast cuts, straight and coarse on thick construction timber, hard/softwood (5~135mm) and sandwich material.

## JT101AO

WOOD · GROUND & TAPER GROUND TEETH · FINE CUT · HCS

| PACK Quantity | L mm | l mm | TS mm | TPI | | ORDER NO. T Shank |
|---|---|---|---|---|---|---|
| 5 | 76 | 50 | 1.4 | 20 | 100 | JT101AO-5 |

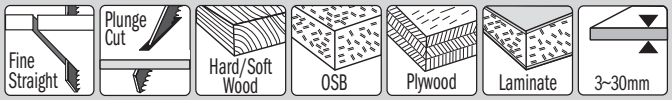



Curved cuts, fine finishing on both sides of surface on hard/softwood, plywood, chipboard, MDF, double sided laminates (1.5~15mm).

## JT101B

WOOD · GROUND & TAPER GROUND TEETH · FINE CUT · HCS

| PACK Quantity | L mm | l mm | TS mm | TPI | | ORDER NO. T Shank |
|---|---|---|---|---|---|---|
| 5 | 100 | 75 | 2.5 | 10 | 100 | JT101B-5 |
| 25 | 100 | 75 | 2.5 | 10 | 10 | JT101B-25 |

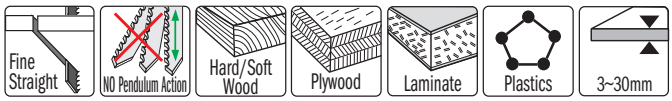



Fine straight cuts with fine finishing on hard/softwood, plywood, OSB and plastics (3~30mm). Plunge cutting.

## JT101BR

WOOD · GROUND & TAPER GROUND TEETH · FINE SURFACE CUT · HCS

| PACK Quantity | L mm | l mm | TS mm | TPI | | ORDER NO. T Shank |
|---|---|---|---|---|---|---|
| 5 | 100 | 75 | 2.5 | 10 | 100 | JT101BR-5 |
| 25 | 100 | 75 | 2.5 | 10 | 10 | JT101BR-25 |

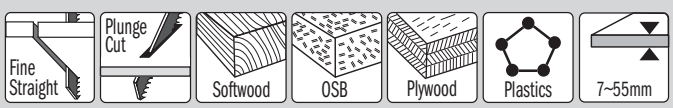



Straight cuts, fine finishing on upper side, hard/softwood, plywood, OSB, laminated panels, plastics (3~30mm). Reverse tooth.

## JT101D

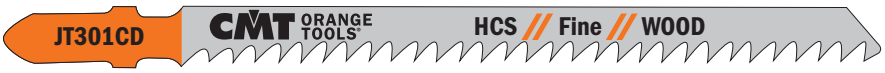
WOOD · GROUND & TAPER GROUND TEETH · FINE CUT · HCS

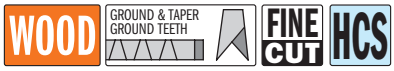
| PACK Quantity | L mm | l mm | TS mm | TPI | | ORDER NO. T Shank |
|---|---|---|---|---|---|---|
| 5 | 100 | 75 | 4 | 6 | 100 | JT101D-5 |



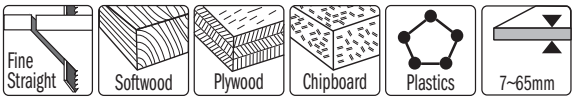

Straight cuts, fine finishing on upper side, on hard/softwood, plywood, OSB, laminates and plastics (7~55mm). Plunge cutting.

## JT301CD



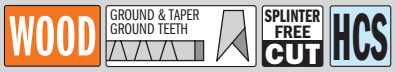




| PACK Quantity | L mm | I mm | TS mm | TPI | | ORDER NO. T Shank |
|---|---|---|---|---|---|---|
| 5 | 116 | 90 | 3 | 8 | 100 | JT301CD-5 |

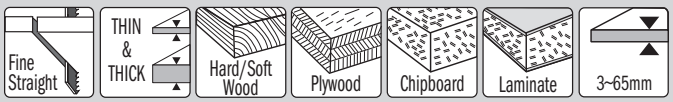



Straight cuts, good finishing, on hard/softwood, plywood, laminates and plastics (7~65mm).

## JT234X




| PACK Quantity | L mm | I mm | TS mm | TPI | | ORDER NO. T Shank |
|---|---|---|---|---|---|---|
| 5 | 116 | 90 | 2-3 | 8-12 | 100 | JT234X-5 |

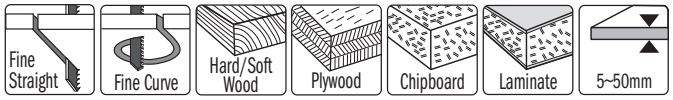



Extra-clean straight cuts, splinter-free finish, on hard/softwood, plywood, OSB, laminates (3~65mm).

## JT308BFP

new

| PACK Quantity | L mm | I mm | TS mm | TPI | | ORDER NO. T Shank |
|---|---|---|---|---|---|---|
| 5 | 116 | 90 | 1.27-2 | 13 | 100 | JT308BFP-5 |




Straight and curved cut with excellent finish on the top and bottom sides of soft and hardwood, plywood, chipboard, laminate (5~50mm). Bidirectional tooth.

## JT128BHM

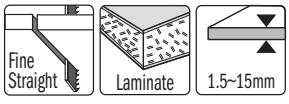
new

| PACK Quantity | L mm | I mm | TS mm | TPI | | ORDER NO. T Shank |
|---|---|---|---|---|---|---|
| 1 | 92 | 68 | 1.8 | 14 | 10 | JT128BHM |

Superior cuts and XTREME durability in highly abrasive material such laminate and laminate flooring and TRESPA®, (5~50mm).

## JT101BIF

| PACK Quantity | L mm | I mm | TS mm | TPI | | ORDER NO. T Shank |
|---|---|---|---|---|---|---|
| 5 | 83 | 58 | 1.7 | 15 | 100 | JT101BIF-5 |




Splinter-free cuts. Special for all laminates, HPL and multiplex panels (1.5~15mm).

## JT318VF

| PACK Quantity | L mm | I mm | TS mm | TPI | | ORDER NO. T Shank |
|---|---|---|---|---|---|---|
| 5 | 132 | 100 | 1.7-2.6 | 10-15 | 100 | JT318VF-5 |

Straight cuts on wood with nails/metal, chipboard and laminate (<60mm), sheet metal, aluminium profiles (3~18mm), glass fiber reinforced plastic/epoxy (<60mm).

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

## JT118A

JT118A // CMT ORANGE TOOLS HSS // METAL

METAL · MILLED & WAVY SET TEETH · GREAT VALUE · BASIC CUT · HSS

| PACK Quantity | L mm | I mm | TS mm | TPI | | ORDER NO. T Shank |
|---|---|---|---|---|---|---|
| 5 | 76 | 50 | 1.2 | 21 | 100 | JT118A-5 |

Straight cuts on thin sheet metals, ferrous and non-ferrous (1~3mm).

## JT218A

JT218A // CMT ORANGE TOOLS HSS // METAL

METAL · MILLED & WAVY SET TEETH · GREAT VALUE · BASIC CUT · HSS

| PACK Quantity | L mm | I mm | TS mm | TPI | | ORDER NO. T Shank |
|---|---|---|---|---|---|---|
| 5 | 76 | 50 | 1.2 | 21 | 100 | JT218A-5 |

Curve cuts on thin sheet metals, ferrous and non-ferrous (1~3mm).

## JT118B

JT118B // CMT ORANGE TOOLS HSS // METAL

METAL · MILLED & WAVY SET TEETH · GREAT VALUE · BASIC CUT · HSS

| PACK Quantity | L mm | I mm | TS mm | TPI | | ORDER NO. T Shank |
|---|---|---|---|---|---|---|
| 5 | 76 | 50 | 2 | 12 | 100 | JT118B-5 |

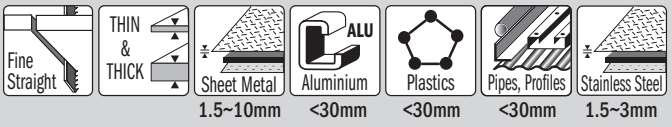
Straight cuts on medium-thick metals, ferrous and non-ferrous (2.5~6mm).

## JT123X

JT123X // CMT ORANGE TOOLS BIM // Progressive // METAL

METAL · MILLED & SIDE SET TEETH · LONG LIFE · FAST CUT · HSS

| PACK Quantity | L mm | I mm | TS mm | TPI | | ORDER NO. T Shank |
|---|---|---|---|---|---|---|
| 5 | 100 | 75 | 1.2-2.6 | 10-21 | 100 | JT123X-5 |



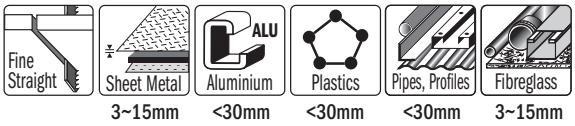

Straight cuts on thin to thick sheet metals (1.5~10mm), pipes, profiles in plastic and aluminium (<30mm), stainless steel (1.5~3mm).

## JT127D

JT127D // CMT ORANGE TOOLS HSS // Special // ALU

METAL · MILLED & SIDE SET TEETH · FAST CUT · HSS

| PACK Quantity | L mm | I mm | TS mm | TPI | | ORDER NO. T Shank |
|---|---|---|---|---|---|---|
| 5 | 100 | 75 | 3 | 8 | 100 | JT127D-5 |



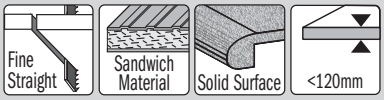

Special for aluminium, thin to thick (3~15mm), pipes and profiles, (<30mm) including plastic, fibreglass and epoxy.

## JT718BF

JT718BF // CMT ORANGE TOOLS BIM // Flexible // METAL-SANDWICH

METAL · MILLED & WAVY SET TEETH · LONG LIFE · BIM 8% Co

| PACK Quantity | L mm | I mm | TS mm | TPI | | ORDER NO. T Shank |
|---|---|---|---|---|---|---|
| 3 | 185 | 160 | 1.8 | 14 | 20 | JT718BF-3 |




Special for sandwich materials & solid surfaces (<120mm).

## JT367XHM

HW TOOTH — JT367XHM — CMT ORANGE TOOLS® HW // Special // THIN & THICK MULTI-MATERIALS — new — SPECIAL LONG LIFE HW

| PACK Quantity | L mm | I mm | TS mm | TPI | | ORDER NO. T Shank |
|---|---|---|---|---|---|---|
| 1 | 132 | 105 | 3.5-5 | 5-7 | 10 | JT367XHM |

Fast cuts, XTREME durability in a wide range of materials like wood with nails/metal, wood, sheet metal, aluminium, fibreglass, plastic/epoxy.

## JT141HM

HW TOOTH — JT141HM — CMT ORANGE TOOLS® HW // Special // FIBER & PLASTER — SPECIAL LONG LIFE HW

| PACK Quantity | L mm | I mm | TS mm | TPI | | ORDER NO. T Shank |
|---|---|---|---|---|---|---|
| 3 | 100 | 75 | 4.3 | 6 | 50 | JT141HM-3 |

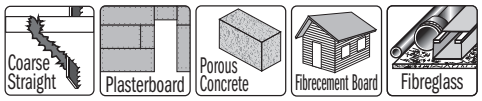
Plasterboard, fibrecement boards (<50mm). Fibreglass/Epoxy (5~20mm), ETERNIT®, MDF, HDF.

## JT341HM

HW TOOTH — JT341HM — CMT ORANGE TOOLS® HW // Special // FIBER & PLASTER — SPECIAL LONG LIFE HW

| PACK Quantity | L mm | I mm | TS mm | TPI | | ORDER NO. T Shank |
|---|---|---|---|---|---|---|
| 3 | 132 | 110 | 4.3 | 6 | 50 | JT341HM-3 |

Plasterboard, fibrecement boards (<80mm). Fibreglass/Epoxy (5~50mm), ETERNIT®, MDF, HDF.

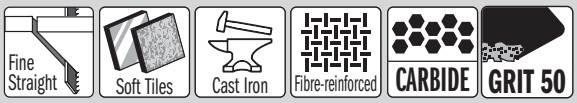



## JT150RF

CARBIDE GRIT — JT150RF — CMT ORANGE TOOLS® HW // Special // CERAMIC — SPECIAL LONG LIFE CARBIDE GRIT

| PACK Quantity | L mm | I mm | | | | ORDER NO. T Shank |
|---|---|---|---|---|---|---|
| 3 | 83 | 75 | | | 50 | JT150RF-3 |

Soft ceramic tiles, cast iron (5~10mm), rienforced fibreglass.

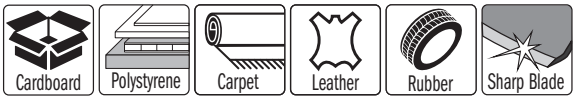



## JT313AW

JT313AW — CMT ORANGE TOOLS® HCS // Special // SOFT-MATERIAL — SPECIAL HCS

| PACK Quantity | L mm | I mm | | | | ORDER NO. T Shank |
|---|---|---|---|---|---|---|
| 3 | 152 | 100 | | | 100 | JT313AW-3 |

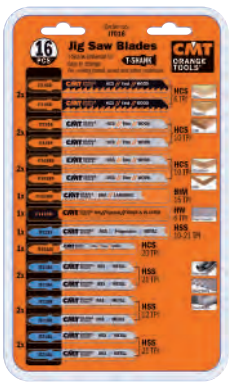
Cardboard, polystyrene, carpet, leather, rubber, fibreglass thermal insulation panels (<100mm).




## 16 Piece Jig Saw Blade Set

## JT016

- 2 PCS JT144D HCS WOOD FAST CUT
- 2 PCS JT101B HCS WOOD FINE CUT
- 2 PCS JT101BR HCS WOOD FINE SURFACE CUT
- 1 PC JT101BIF BIM WOOD FINE CUT
- 1 PC JT101AO HCS WOOD FINE CUT
- 1 PC JT141HM HW SPECIAL LONG LIFE
- 1 PC JT123X HSS METAL FAST CUT
- 2 PCS JT118A HSS METAL BASIC CUT
- 2 PCS JT118B HSS METAL BASIC CUT
- 2 PCS JT218A HSS METAL BASIC CUT

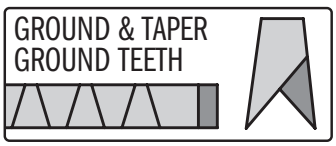


An assortment of 16 Jig Saw Blades featuring the 10 most popular blades for a variety of cutting needs:
- wood and timber (straight, curve cuts, course cutting and finishing);
- plasterboard, fibrecement, fibreglass, epoxy resins, and panels such as ETERNIT®;
- metal and sheet metal both thick and thin; - stainless steel; - aluminium and plastics.

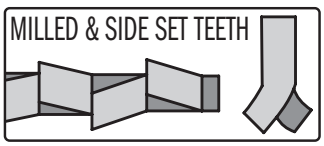
15 Sets in End-cap display
*(minimum 15 pieces or multiple)*

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

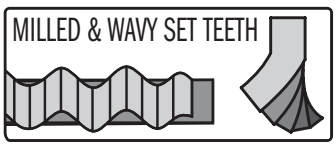
# GEOMETRY IS IMPORTANT!




**Easily cut construction wood, plywood, framing lumber and plastic.**




**For quick cutting on hard/softwood, aluminium, plastic, ferrous and non-ferrous metal.**




**For fine, precise cuts in thin/thick metal, pipe, open and closed profiles.**

**HCS** **HIGH CARBON STEEL**
For cuts on soft wood or plastic.

**BIM 8% Co** **BI-METAL WITH 8% COBALT**
Provides superb results and guarantees long life when cutting metals, plastic and wood with nails.

**HW** **TUNGSTEN CARBIDE TIPPED**
Ideal for construction materials: fibrecement board, brick and porous concrete.

# QUALITY MATERIALS FOR MAXIMUM PRODUCTIVITY

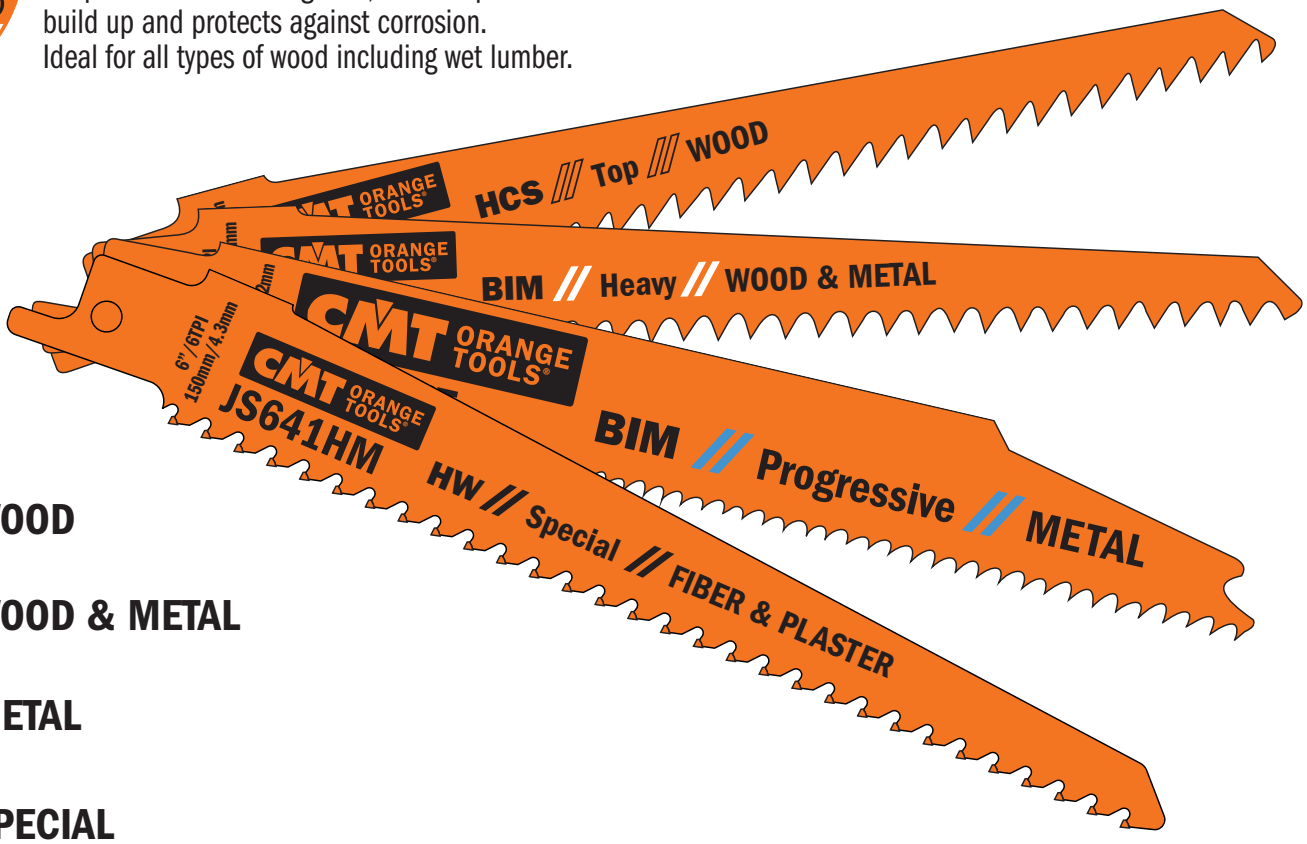
Produced by following state-of-the-art processes, using high-tech machines and premium quality raw materials, these sabre saw blades have been specifically designed to ensure maximum lifetime and performance in all materials.

## THE RIGHT BLADE FOR THE JOB!

*Use our quick reference chart and pictograms to help you choose the best blade for your application.*

### NON-STICK ORANGE SHIELD COATING®

Keeps the blade running cool, reduces pitch build up and protects against corrosion.
Ideal for all types of wood including wet lumber.




// WOOD

// WOOD & METAL

// METAL

// SPECIAL

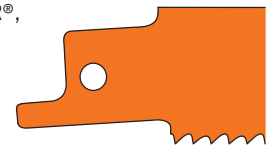
## BLADE LINE DESCRIPTIONS

*Different blade lines help you choose the right blade for the task.*

| | |
|---|---|
| **BASIC:** | Cost effective |
| **FLEXIBLE:** | Breakproof, long lifetime |
| **PROGRESSIVE:** | Fast cutting through thin and thick material |
| **TOP:** | Fast and efficient |
| **HEAVY:** | Sturdy and precise |

## 12.7mm (1/2") UNIVERSAL SHANK

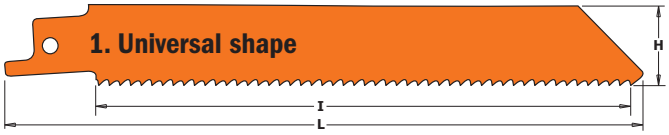
**Fits:** AEG®, BLACK & DECKER®, BOSCH®, DEWALT®, FEIN®, FLEX®, HILTI®, MAKITA®, METABO®, MILWAUKEE®, PORTER CABLE®, RIDGID®, ROTHENBERGER®, RYOBI®, SKIL®.



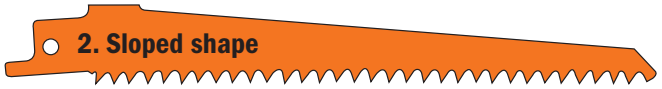
## BLADE SHAPE & THICKNESS

Sabre Saw Blades vary in shape and thickness. These two characteristics are adjusted according to the demands of the application as well as the required flexibility. Rigorous applications such as cutting tube and pipe require thick robust blades, while less demanding applications require narrower blades.

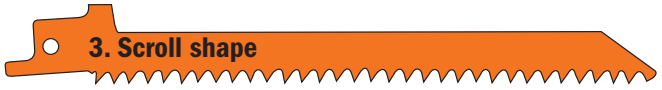
**Three Main Blade Categories:**




Universal blades are for general use. Their even width guarantees good cutting stability and excellent control. This enables straight edge cutting through many different materials.




Sloped blades are commonly used for cutting wood and for demolition applications. Their narrow tip allows for plunge and curve cutting. This shape is rarely used for metal, since the tip does not have the strength required for this application.




Scroll blades are especially used for curve cutting.
The narrower the blade, the smaller the radius it can cut.

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

# Sabre Saw Blade Application Chart

CMT ORANGE TOOLS®

| SERIES | MATERIAL | MATERIAL THICKNESS | LINE | L MM | FINE STRAIGHT | COARSE STRAIGHT | CURVE | FINE ANGLE CUT | FLUSH CUT | THIN & THICK | DEMOLITION | TPI | PAGE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WOOD | **COARSE WOOD (FREE OF NAILS)** | <100 | BASE | | | JS617K | JS617K | | | | | 3 | **100** |
| | **PRUNING GREEN WOOD** | <175 | BASE | | | JS1111K | | | | | | 3 | **100** |
| | COOLANT: DRY | <190 | TOP | | | JS1531L | | | | | | 5 | **100** |
| | MAX RPM 2500 | <250 | BASE | | | JS1617K | | | | | | 3 | **100** |
| | **CONSTRUCTION WOOD** | <100 | TOP | 150 | JS644D | | JS644D | | | | | 6 | **100** |
| | COOLANT: DRY | <150 | PROGRESSIVE | 200 | JS2345X | | | | | JS2345X | | 6~10 | **100** |
| | MAX RPM 2500 | <150 | PALLET | 200 | JS725VFR | | | JS725VFR | | JS725VFR | JS725VFR | 8~12 | **102** |
| | **BOARDS** | <60 | TOP | 150 | JS644D | | JS644D | | | | | 6 | **100** |
| | COOLANT: DRY | <60 | PROGRESSIVE | 200 | JS2345X | | | | | JS2345X | | 6~10 | **100** |
| | MAX RPM 2500 | <60 | PALLET | 200 | JS725VFR | | | JS725VFR | | JS725VFR | | 8~12 | **102** |
| | **WOODEN WALL CUTOUT** | <100 | TOP | 150 | JS644D | | JS644D | | | | | 6 | **100** |
| | COOLANT: DRY | <150 | PROGRESSIVE | 200 | JS2345X | | | | | JS2345X | | 6~10 | **100** |
| | MAX RPM 2500 | <150 | PALLET | 200 | JS725VFR | | | JS725VFR | | JS725VFR | JS725VFR | 8~12 | **102** |
| | | <190 | TOP | 240 | | JS1531L | | | | | | 5 | **100** |
| | **PLASTIC** | <100 | TOP | 150 | JS644D | | JS644D | | | | | 6 | **100** |
| | COOLANT: WATER MAX RPM 500 | <150 | PROGRESSIVE | 200 | JS2345X | | | | | JS2345X | | 6~10 | **100** |
| WOOD & METAL | **WOOD WITH NAILS/METAL** | <100 | FLEXIBLE | 150 | JS922HF | | | | | | | 10 | **103** |
| | COOLANT: DRY | <100 | FLEXIBLE | 150 | JS922VF | | | | | | | 10~14 | **103** |
| | MAX RPM 2500 | <100 | HEAVY | 150 | JS641HM | JS611DF | JS711DF | | | | | 6 | **101, 107** |
| | | <100 | HEAVY | 150 | | JS610VF | | JS610VF | | | JS610VF | 5~8 | **101** |
| | | <100 | HEAVY | 150 | | JS956XHM | | JS956XHM | | | JS956XHM | 5~8 | **104** |
| | | <150 | PROGRESSIVE | 200 | | JS3456XF | | | | JS3456XF | | 6~12 | **102** |
| | | <150 | PALLET | 200 | JS725VFR | | | JS725VFR | | JS725VFR | JS725VFR | 8~12 | **102** |
| | | <175 | FLEXIBLE | 225 | JS1122HF | | | | JS1122HF | | | 10 | **103** |
| | | <175 | FLEXIBLE | 225 | JS1122VF | | | | JS1122HF | | | 10~14 | **103** |
| | | <175 | HEAVY | 225 | | JS1111DF | | | | | | 6 | **101** |
| | | <175 | HEAVY | 225 | | JS1110VF | | JS1110VF | | | JS1110VF | 5~8 | **102** |
| | | <175 | HEAVY | 225 | | JS1156XHM | | JS1156XHM | | | JS1156XHM | 5~8 | **104** |
| | | <175 | PROGRESSIVE | 225 | | JS5678XF | | | | JS5678XF | | 6~12 | **102** |
| | | <250 | FLEXIBLE | 300 | JS1222VF | | | | JS1222VF | | | 10~14 | **103** |
| | | <250 | HEAVY | 300 | | JS1210VF | | JS1210VF | | | JS1210VF | 5~8 | **102** |
| | | <250 | HEAVY | 300 | | JS1411DF | | | | | | 6 | **101** |
| | **PALLET** | <100 | FLEXIBLE | 150 | JS922HF | JS641HM | | | | | | 10 | **103, 107** |
| | COOLANT: DRY | <150 | PALLET | 200 | JS725VFR | | | JS725VFR | | JS725VFR | JS725VFR | 8~12 | **102** |
| | MAX RPM 2500 | <175 | FLEXIBLE | 225 | JS1122HF | | | | JS1122HF | | | 10 | **103** |
| | **WOOD, CHIPBOARD** | <100 | HEAVY | 150 | | JS611DF | JS711DF | | | | | 6 | **101** |
| | COOLANT: DRY | <100 | HEAVY | 150 | | JS610VF | | JS610VF | | | JS610VF | 5~8 | **101** |
| | MAX RPM 2500 | <100 | HEAVY | 150 | | JS956XHM | | JS956XHM | | | JS956XHM | 5~8 | **104** |
| | | <150 | PROGRESSIVE | 200 | | JS3456XF | | | | JS3456XF | | 6~12 | **102** |
| | | <150 | PALLET | 200 | JS725VFR | | | JS725VFR | | JS725VFR | JS725VFR | 8~12 | **102** |
| | | <175 | HEAVY | 225 | | JS1111DF | | | | | | 6 | **101** |
| | | <175 | HEAVY | 225 | | JS1110VF | | JS1110VF | | | JS1110VF | 5~8 | **102** |
| | | <175 | HEAVY | 225 | | JS1156XHM | | JS1156XHM | | | JS1156XHM | 5~8 | **104** |
| | | <175 | PROGRESSIVE | 225 | | JS5678XF | | | | JS5678XF | | 6~12 | **102** |
| | | <250 | HEAVY | 300 | | JS1210VF | | JS1210VF | | | JS1210VF | 5~8 | **102** |
| | | <250 | HEAVY | 300 | | JS1411DF | | | | | | 6 | **101** |
| | **SHEET METALS** | 3~10 | FLEXIBLE | 150 | JS922VF | | | | | | | 10~14 | **103** |
| | COOLANT: CUTTING OIL | 3~10 | FLEXIBLE | 225 | JS1122VF | | | | JS1122HF | | | 10~14 | **103** |
| | MAX RPM 500~2000 | 3~10 | FLEXIBLE | 300 | JS1222VF | | | | JS1222VF | | | 10~14 | **103** |
| | | 3~18 | PROGRESSIVE | 200 | | JS3456XF | | | | JS3456XF | | 6~12 | **102** |
| | | <175 | PROGRESSIVE | 225 | | JS5678XF | | | | JS5678XF | | 6~12 | **102** |
| | **PIPES, PROFILES** | <100 | FLEXIBLE | 150 | JS922VF | | | | | | | 10~14 | **103** |
| | COOLANT: CUTTING OIL | <150 | PROGRESSIVE | 200 | | JS3456XF | | | | JS3456XF | | 6~12 | **102** |
| | MAX RPM 1500 | <175 | FLEXIBLE | 225 | JS1122VF | | | | JS1122HF | | | 10~14 | **103** |
| | | <175 | PROGRESSIVE | 225 | | JS5678XF | | | | JS5678XF | | 6~12 | **102** |
| | | <250 | FLEXIBLE | 300 | JS1222VF | | | | JS1222VF | | | 10~14 | **103** |
| | **PLASTIC, PIPES, PROFILES** | <100 | HEAVY | 150 | | JS611DF | JS711DF | | | | | 6 | **101** |
| | COOLANT: WATER | <150 | PROGRESSIVE | 200 | | JS3456XF | | | | JS3456XF | | 6~12 | **102** |
| | MAX RPM 500 | <175 | HEAVY | 225 | | JS1111DF | | | | | | 6 | **101** |
| | | <175 | PROGRESSIVE | 225 | | JS5678XF | | | | JS5678XF | | 6~12 | **102** |
| | | <250 | HEAVY | 300 | | JS1411DF | | | | | | 6 | **101** |
| | **GLASS FIBRE-REINFORCED** | <50 | HEAVY | 150 | | JS611DF | JS711DF | | | | | 6 | **101** |
| | **PLASTIC/EPOXY** | <60 | HEAVY | 300 | | JS1411DF | | | | | | 6 | **101** |
| | COOLANT: WATER | <60 | HEAVY | 150 | | JS610VF | | JS610VF | | | JS610VF | 5~8 | **101** |
| | MAX RPM 500 | <100 | HEAVY | 150 | | JS956XHM | | JS956XHM | | | JS956XHM | 5~8 | **104** |

# Sabre Saw Blade Application Chart

CMT ORANGE TOOLS®

| SERIES | MATERIAL | MATERIAL THICKNESS | LINE | L MM | FINE STRAIGHT | COARSE STRAIGHT | CURVE | FINE ANGLE CUT | FLUSH CUT | THIN & THICK | DEMOLITION | TPI | PAGE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WOOD & METAL | GLASS FIBRE-REINFORCED | <60 | HEAVY | 225 | | JS1111DF | | | | | | 6 | 101 |
| | PLASTIC/EPOXY | <60 | HEAVY | 225 | | JS1110VF | | JS1110VF | | | JS1110VF | 5~8 | 102 |
| | COOLANT: WATER | <175 | HEAVY | 225 | | JS1156XHM | | JS1156XHM | | | JS1156XHM | 5~8 | 104 |
| | MAX RPM 500 | <100 | FLEXIBLE | 150 | JS922VF | JS641HM | | | | | | 10~14 | 103, 107 |
| | | <150 | PROGRESSIVE | 200 | | JS3456XF | | | | JS3456XF | | 6~12 | 102 |
| | | <175 | FLEXIBLE | 225 | JS1122VF | | | | JS1122HF | | | 10~14 | 103 |
| | | <175 | PROGRESSIVE | 225 | | JS5678XF | | | | JS5678XF | | 6~12 | 102 |
| | | <250 | FLEXIBLE | 300 | JS1222VF | | | | JS1222VF | | | 10~14 | 103 |
| | | <250 | HEAVY | 300 | | JS1210VF | | JS1210VF | | | JS1210VF | 5~8 | 102 |
| METAL | SHEET, | 0.7~3 | FLEXIBLE | 150 | JS922AF | | | | | | | 24 | 107 |
| | PERFORATED METALS, | 0.7~3 | FLEXIBLE | 225 | JS1122AF | | | | JS1122AF | | | 24 | 107 |
| | (THIN & THICK) | 1~8 | PROGRESSIVE | 150 | JS123XF | | | | | JS123XF | | 8~14 | 105 |
| | COOLANT: DRY | 1.5~4 | FLEXIBLE | 150 | JS922EF | | | | | | | 18 | 106 |
| | MAX RPM 500~2000 | 1.5~4 | FLEXIBLE | 225 | JS1122EF | | | | JS1122EF | | | 18 | 106 |
| | | 2~10 | HEAVY | 150 | JS925VF | | | | | | JS925VF | 10~14 | 105 |
| | | 2~10 | HEAVY | 200 | JS1025VF | | | | | | JS1025VF | 10~14 | 105 |
| | | 2~10 | HEAVY | 225 | JS1125VF | | | | | | JS1125VF | 10~14 | 105 |
| | | 2~10 | HEAVY | 300 | JS1125VF | | | | | | JS1225VF | 10~14 | 106 |
| | | 3~8 | FLEXIBLE | 150 | JS922BF | | | | | | | 14 | 106 |
| | | 3~8 | FLEXIBLE | 225 | JS1122BF | | | | JS1122BF | | | 14 | 106 |
| | | 4~12 | HEAVY | 150 | | JS920CF | | JS920CF | | | JS920CF | 9 | 105 |
| | | 4~12 | HEAVY | 150 | | JS955CHM | | JS955CHM | | | JS955CHM | 9 | 104 |
| | | 4~12 | HEAVY | 225 | | JS1120CF | | JS1120CF | | | JS1120CF | 9 | 105 |
| | | 4~12 | HEAVY | 225 | | JS1155CHM | | JS1155CHM | | | JS1155CHM | 9 | 104 |
| | PIPES, PROFILES, | <100 | FLEXIBLE | 150 | JS922AF | | | | | | | 24 | 107 |
| | THIN-WALLED | <100 | FLEXIBLE | 150 | JS922EF | | | | | | | 18 | 106 |
| | (OPEN & CLOSED) | <100 | PROGRESSIVE | 150 | JS123XF | | | | | JS123XF | | 8~14 | 105 |
| | COOLANT: DRY | <100 | HEAVY | 150 | JS925VF | | | | | | JS925VF | 10~14 | 105 |
| | MAX RPM 500~2000 | <150 | HEAVY | 200 | JS1025VF | | | | | | JS1025VF | 10~14 | 105 |
| | | <175 | FLEXIBLE | 225 | JS1122AF | | | | JS1122AF | | | 24 | 107 |
| | | <175 | FLEXIBLE | 225 | JS1122EF | | | | JS1122EF | | | 18 | 106 |
| | | <175 | HEAVY | 225 | JS1125VF | | | | | | JS1125VF | 10~14 | 105 |
| | | <250 | HEAVY | 300 | JS1225VF | | | | | | JS1225VF | 10~14 | 106 |
| | PIPES, PROFILES, | <100 | FLEXIBLE | 150 | JS922BF | | | | | | | 14 | 106 |
| | THICK-WALLED | <100 | PROGRESSIVE | 150 | JS123XF | | | | | JS123XF | | 8~14 | 105 |
| | (OPEN & CLOSED) | <100 | HEAVY | 150 | JS925VF | | | | | | JS925VF | 10~14 | 105 |
| | COOLANT: DRY | <100 | HEAVY | 150 | | JS920CF | | JS920CF | | | JS920CF | 9 | 105 |
| | MAX RPM 500~2000 | 4~12 | HEAVY | 150 | | JS955CHM | | JS955CHM | | | JS955CHM | 9 | 104 |
| | | <150 | HEAVY | 200 | JS1025VF | | | | | | JS1025VF | 10~14 | 105 |
| | | <175 | FLEXIBLE | 225 | JS1122BF | | | | JS1122BF | | | 14 | 106 |
| | | <175 | HEAVY | 225 | JS1125VF | | | | | | JS1125VF | 10~14 | 105 |
| | | <175 | HEAVY | 225 | | JS1120CF | | JS1120CF | | | JS1120CF | 9 | 105 |
| | | 4~12 | HEAVY | 225 | | JS1155CHM | | JS1155CHM | | | JS1155CHM | 9 | 104 |
| | | <250 | HEAVY | 300 | JS1225VF | | | | | | JS1225VF | 10~14 | 106 |
| | | 4~12 | HEAVY | 300 | | JS1255CHM | | | | | | 8 | 106 |
| | PIPES, PROFILES (SOLID) | <100 | PROGRESSIVE | 150 | JS123XF | | | | | JS123XF | | 8~14 | 105 |
| | COOLANT: CUTTING OIL | <100 | FLEXIBLE | 150 | JS922BF | | | | | | | 14 | 106 |
| | MAX RPM 500~2000 | <100 | HEAVY | 150 | | JS920CF | | JS920CF | | | JS920CF | 9 | 105 |
| | | 4~12 | HEAVY | 150 | | JS955CHM | | JS955CHM | | | JS955CHM | 9 | 104 |
| | | <175 | FLEXIBLE | 225 | JS1122BF | | | | | JS1122BF | | 14 | 106 |
| | | <175 | HEAVY | 225 | | JS1120CF | | JS1120CF | | | JS1120CF | 9 | 105 |
| | | 4~12 | HEAVY | 225 | | JS1155CHM | | JS1155CHM | | | JS1155CHM | 9 | 104 |
| SPECIAL | PLASTERBOARD | <100 | HEAVY | 150 | JS641HM | JS611DF | JS711DF | | | | | 6 | 101, 107 |
| | FIBRECEMENT PANELS | <175 | SPECIAL | 225 | | JS1141HM | | JS1141HM | | | | 3 | 107 |
| | | <215 | SPECIAL | 305 | | JS1243HM | | JS1243HM | | | | 2 | 108 |
| | | <250 | SPECIAL | 300 | | JS1241HM | | JS1241HM | | | | 3 | 107 |
| | | <365 | SPECIAL | 455 | | JS2243HM | | JS2243HM | | | | 2 | 108 |
| | POROUS CONCRETE, | <175 | SPECIAL | 225 | | JS1141HM | | JS1141HM | | | | 3 | 107 |
| | RED BRICK | <215 | SPECIAL | 305 | | JS1243HM | | JS1243HM | | | | 2 | 108 |
| | | <250 | SPECIAL | 300 | | JS1241HM | | JS1241HM | | | | 3 | 107 |
| | | <365 | SPECIAL | 455 | | JS2243HM | | JS2243HM | | | | 2 | 108 |
| | POLYSTYRENE, | <175 | SPECIAL | 228 | | JS1113AWP-2 | | | | | | - | 108 |
| | FIBRE INSULATION | <250 | SPECIAL | 300 | | JS1213AWP | | | | | | - | 108 |
| | | <300 | SPECIAL | 300 | | JS2013AWP | | | | | | - | 108 |
| | ICE, FROZEN, MEAT, BONE | <250 | SPECIAL | 300 | | JS1211K | | | | | | 3 | 109 |

**TIP:** Using a lubricant can extend blade lifetime up to 500%.

## JS617K

WOOD · MILLED & SIDE SET TEETH · GREAT VALUE · BASIC CUT · HCS

| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | TPI | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 5 | 150 | 130 | 19 | 1.25 | 8.5 | 3 | 10 | JS617K-5 |

Coarse Straight · Fine Curve · Nail-Free Coarse Wood · Pruning · Plunge Cut · <100mm

Cuts coarse wood, free of nails (<100mm), pruning green wood (diameter <100mm), excellent for curved and plunge cutting.

## JS1111K

WOOD · MILLED & SIDE SET TEETH · GREAT VALUE · BASIC CUT · HCS

| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | TPI | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 5 | 225 | 205 | 19 | 1.25 | 8.5 | 3 | 10 | JS1111K-5 |

Coarse Straight · Nail-Free Coarse Wood · Pruning · <175mm

Coarse wood, free of nails (<175mm), firewood (diameter <175mm).

## JS1617K

WOOD · MILLED & SIDE SET TEETH · GREAT VALUE · BASIC CUT · HCS

| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | TPI | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 5 | 300 | 280 | 19 | 1.25 | 8.5 | 3 | 10 | JS1617K-5 |

Coarse Straight · Nail-Free Coarse Wood · Pruning · <250mm

Coarse wood, free of nails (<250mm), pruning green wood (diameter <250mm).

## JS644D

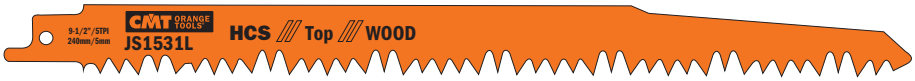
WOOD · GROUND & TAPER GROUND TEETH · FINE CUT · HCS

| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | TPI | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 5 | 150 | 130 | 19 | 1.25 | 4.3 | 6 | 10 | JS644D-5 |

Fine Straight · Fine Curve · Nail-Free Coarse Wood · Wooden Wall Cutout · Boards · Plunge Cut · <100mm

Cuts construction wood (<100mm), wooden wall panels (<100mm), chipboard, MDF (6~60mm), plywood, plastic (<100mm). Special for plunge cutting.

## JS1531L




WOOD · GROUND & TAPER GROUND TEETH · FAST CUT · HCS

| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | TPI | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 5 | 240 | 220 | 19 | 1.5 | 5 | 5 | 10 | JS1531L-5 |
| 20 | 240 | 220 | 19 | 1.5 | 5 | 5 | 5 | JS1531L-20 |

Coarse Straight · Nail-Free Coarse Wood · Pruning · <190mm

Coarse wood, free of nails (<190mm), pruning green wood (diameter <190mm), firewood (diameter <190mm).

## JS2345X

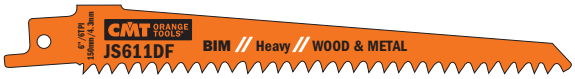
WOOD · GROUND & TAPER GROUND TEETH · FINE CUT · EASY CUT · HCS

| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | TPI | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 5 | 200 | 180 | 19 | 1.25 | 2.4-4 | 6-10 | 10 | JS2345X-5 |

Fine Straight · Construction · Wooden Wall Cutout · Boards · Plastics · THIN & THICK · <150mm

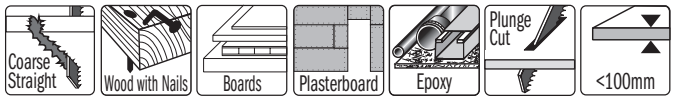
Cuts construction wood (<150mm), chipboard, MDF (6~60mm), plywood, plastic (<150mm), wooden wall (<150mm). Effortless fine cutting.

## JS611DF



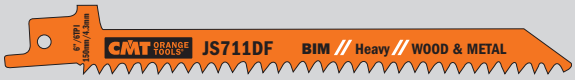

WOOD&METAL | MILLED & SIDE SET TEETH | EASY CUT | LONG LIFE | BIM 8% Co

| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | TPI | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 5 | 150 | 130 | 19 | 1.25 | 4.3 | 6 | 10 | JS611DF-5 |



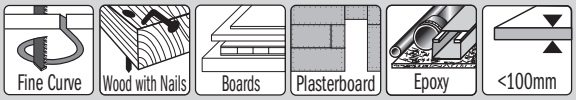

Cuts wood with nails/embedded metal (<100mm), plastic profiles (<100mm), fibreglass and epoxy (<50mm), wood and metal window frames. Special for plunge cutting.

## JS711DF




WOOD&METAL | MILLED & SIDE SET TEETH | EASY CUT | LONG LIFE | BIM 8% Co

| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | TPI | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 5 | 150 | 130 | 12 | 1.25 | 4.3 | 6 | 10 | JS711DF-5 |

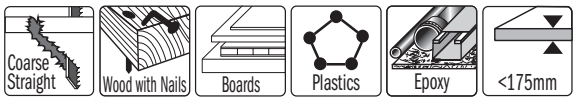



Cuts wood with nails/embedded metal (<100mm), fibreglass and epoxy (<50mm). Excellent for curved cuts.

## JS1111DF

WOOD&METAL | MILLED & SIDE SET TEETH | EASY CUT | LONG LIFE | BIM 8% Co

| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | TPI | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 5 | 225 | 205 | 19 | 1.25 | 4.3 | 6 | 10 | JS1111DF-5 |
| 20 | 225 | 205 | 19 | 1.25 | 4.3 | 6 | 5 | JS1111DF-20 |

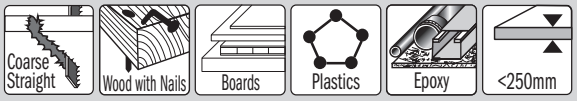



For cutting wood with nails/embedded metal, chipboard (<175mm), plastic profiles (<175mm), fibreglass and epoxy (<50mm).

## JS1411DF

WOOD&METAL | MILLED & SIDE SET TEETH | EASY CUT | LONG LIFE | BIM 8% Co

| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | TPI | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 5 | 300 | 280 | 19 | 1.25 | 4.3 | 6 | 10 | JS1411DF-5 |

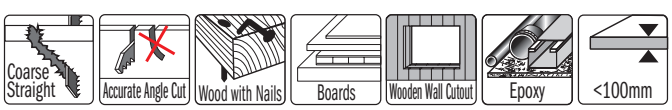



Cuts wood with nails/embedded metal, chipboard (<250mm), fibreglass and epoxy (<60mm).

## JS610VF

WOOD&METAL | MILLED & SIDE SET TEETH | DEMOLITION | XTREME CUT | BIM 8% Co

| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | TPI | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 5 | 150 | 130 | 22 | 1.6 | 3.2-5 | 5-8 | 10 | JS610VF-5 |




Cuts wood with nails/metal, wood, chipboard (<100mm), fibreglass and epoxy (<100mm), wood and metal wall cut-outs, (<100mm). Excellent for rescue/demolition work.

## JS1110VF

WOOD&METAL · MILLED & SIDE SET TEETH · DEMOLITION · XTREME CUT · BIM 8% Co

| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | TPI | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 5 | 225 | 205 | 22 | 1.6 | 3.2-5 | 5-8 | 10 | JS1110VF-5 |
| 20 | 225 | 205 | 22 | 1.6 | 3.2-5 | 5-8 | 5 | JS1110VF-20 |

For cutting wood with nails/embedded metal, chipboard (<175mm), fibreglass and epoxy, wood and metal wall cut-outs (<175mm). For rescue and demolition work.

## JS1210VF

WOOD&METAL · MILLED & SIDE SET TEETH · DEMOLITION · XTREME CUT · BIM 8% Co

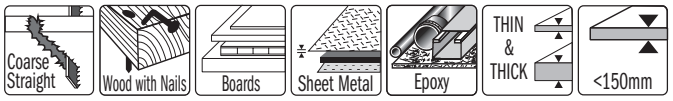
| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | TPI | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 5 | 300 | 280 | 22 | 1.6 | 3.2-5 | 5-8 | 10 | JS1210VF-5 |

Cuts wood with nails/embedded metal, wood, chipboard (<250mm), fibreglass and epoxy (<250mm), wood and metal wall cut-outs (<250mm).

## JS3456XF

WOOD&METAL · MILLED & SIDE SET TEETH · XTREME CUT · LONG LIFE · FAST CUT · BIM 8% Co

| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | TPI | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 5 | 200 | 180 | 19 | 1.25 | 2.1-4.3 | 6-12 | 10 | JS3456XF-5 |
| 20 | 200 | 180 | 19 | 1.25 | 2.1-4.3 | 6-12 | 5 | JS3456XF-20 |

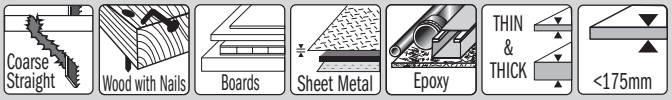



For cutting wood with nails/embedded metal (<150mm), sheet metal, pipe and aluminium profiles from (3~18mm) in thickness, fibreglass and epoxy (<150mm).

## JS5678XF

WOOD&METAL · MILLED & SIDE SET TEETH · XTREME CUT · LONG LIFE · FAST CUT · BIM 8% Co

| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | TPI | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 5 | 225 | 205 | 25 | 1.27 | 2.1-4.3 | 6-12 | 10 | JS5678XF-5 |
| 20 | 225 | 205 | 25 | 1.27 | 2.1-4.3 | 6-12 | 5 | JS5678XF-20 |




For cutting wood with nails or metal, chipboard (<175mm), sheet metal, aluminium profiles (3~18mm), glass fibre-reinforced plastic/epoxy (<175mm).

## JS725VFR

WOOD&METAL · MILLED & SIDE SET TEETH · DEMOLITION · EASY CUT · LONG LIFE · BIM 8% Co

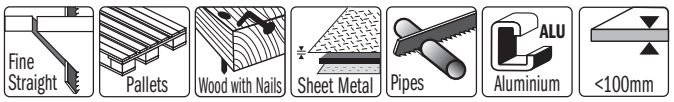
| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | TPI | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 5 | 200 | 180 | 19 | 1.27 | 2.1-3.2 | 8-12 | 10 | JS725VFR-5 |
| 20 | 200 | 180 | 19 | 1.27 | 2.1-3.2 | 8-12 | 5 | JS725VFR-20 |

Special saw blade for pallet repair. Cutting depth <150mm.
Optimized for reduced vibration.

## JS922HF

WOOD&METAL · MILLED & SIDE SET TEETH · LONG LIFE · BIM 8% Co

| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | TPI | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 5 | 150 | 130 | 19 | 0.9 | 2.5 | 10 | 10 | JS922HF-5 |

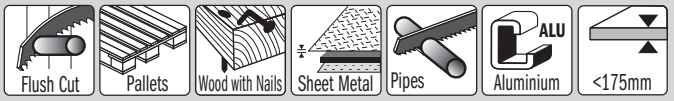



For pallet repair, wood with nails/embedded metal (<100mm), sheet metal, pipe, aluminium profiles (3~12mm).

## JS1122HF

WOOD&METAL · MILLED & SIDE SET TEETH · LONG LIFE · BIM 8% Co

| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | TPI | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 5 | 225 | 205 | 19 | 0.9 | 2.5 | 10 | 10 | JS1122HF-5 |
| 20 | 225 | 205 | 19 | 0.9 | 2.5 | 10 | 5 | JS1122HF-20 |

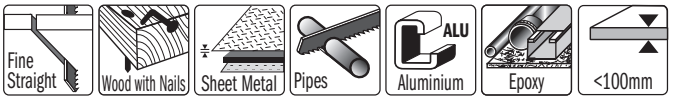



For pallet repair, wood with nails/embedded metal (<175mm), sheet metal, pipe, aluminium profiles (3~12mm). Flexible flush cutting.

## JS922VF

WOOD&METAL · MILLED & SIDE SET TEETH · EASY CUT · LONG LIFE · BIM 8% Co

| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | TPI | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 5 | 150 | 130 | 19 | 0.9 | 1.8-2.6 | 10-14 | 10 | JS922VF-5 |

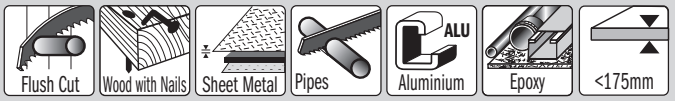



Cuts wood with nails/embedded metal (<100mm), sheet metal, pipe and aluminium profiles (3~10mm), fibreglass and epoxy (<100mm).

## JS1122VF

WOOD&METAL · MILLED & SIDE SET TEETH · EASY CUT · LONG LIFE · BIM 8% Co

| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | TPI | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 5 | 225 | 205 | 19 | 0.9 | 1.8-2.6 | 10-14 | 10 | JS1122VF-5 |

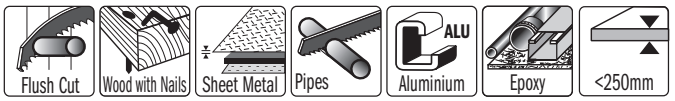



Cuts wood with nails/embedded metal (<175mm), sheet metal, aluminium profiles (3~10mm), fibreglass and epoxy (<175mm). Flexible flush cutting.

## JS1222VF

WOOD&METAL · MILLED & SIDE SET TEETH · EASY CUT · LONG LIFE · BIM 8% Co

| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | TPI | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 5 | 300 | 280 | 19 | 0.9 | 1.8-2.6 | 10-14 | 10 | JS1222VF-5 |




Cuts wood with nails/embedded metal (<250mm), sheet metal, aluminium profiles (3~10mm), fibreglass and epoxy (<250mm). Flexible flush cutting.

## JS956XHM HW TOOTH

WOOD&METAL EXTRA LONG LIFE DEMOLITION HW

| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | TPI | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 3 | 150 | 130 | 24 | 1.2 | 3-4 | 6-8 | 10 | JS956XHM-3 |

For cutting wood with nails or metal (nails/metal hardness up to 40 HRC), repairing pallets, plasterboard, plastics, glass fibre-reinforced plastic/epoxy, fibrecement (<100mm). For rescue and demolition work.

## JS1156XHM HW TOOTH

WOOD&METAL EXTRA LONG LIFE DEMOLITION HW

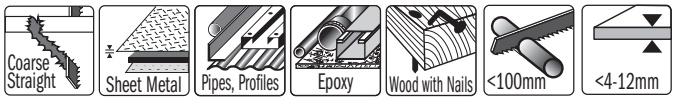
| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | TPI | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 3 | 225 | 205 | 24 | 1.2 | 3-4 | 6-8 | 10 | JS1156XHM-3 |

For cutting wood with nails or metal (nails/metal hardness up to 40 HRC), repairing pallets, plasterboard, plastics, glass fibre-reinforced plastic/epoxy, fibrecement (<175mm). For rescue and demolition work.

## JS955CHM HW TOOTH

METAL EXTRA LONG LIFE HW

| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | TPI | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 3 | 150 | 130 | 24 | 1.2 | 3 | 8 | 10 | JS955CHM-3 |




For cutting thick sheet metal (4~12mm), pipes & profiles (<100mm), plastics, glass fibre-reinforced plastic/epoxy, fibrecement (<100mm), wood with nails or metal.

## JS1155CHM HW TOOTH

METAL EXTRA LONG LIFE FAST CUT HW

| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | TPI | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 3 | 225 | 205 | 24 | 1.2 | 3 | 8 | 10 | JS1155CHM-3 |

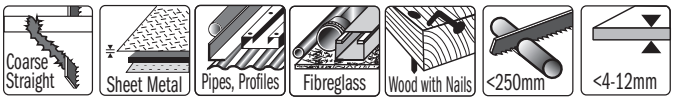
For cutting thick sheet metal (4~12mm), pipes & profiles (<175mm), plastics, glass fibre-reinforced plastic/epoxy, fibrecement (<175mm), wood with nails or metal.

## JS1255CHM HW TOOTH

new

METAL EXTRA LONG LIFE HW

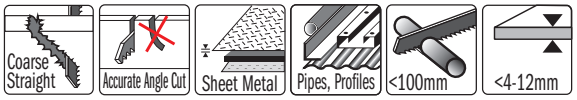
| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | TPI | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 1 | 300 | 267 | 24 | 1.2 | 3 | 8 | 10 | JS1255CHM |




For cutting thick sheet metal (4~12mm), pipes & profiles (<250mm), plastics, glass fibre reinforced plastic/epoxy, fibrecement (<250mm), wood with nails or metal.

## JS920CF

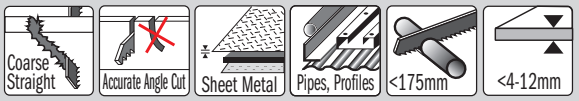
| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | TPI | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 5 | 150 | 130 | 22 | 1.6 | 2.9 | 9 | 10 | JS920CF-5 |




Cuts thick sheet metal (4~12mm), thick-walled pipe and profiles (<100mm). Ideal for pipe cutting, for rescue/demolition work. Powerful coarse cutting.

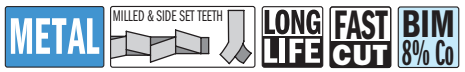
## JS1120CF

| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | TPI | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 5 | 225 | 205 | 22 | 1.6 | 2.9 | 9 | 10 | JS1120CF-5 |
| 20 | 225 | 205 | 22 | 1.6 | 2.9 | 9 | 5 | JS1120CF-20 |

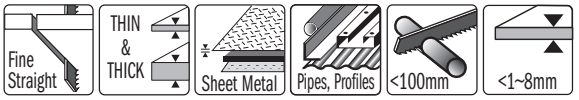



For cutting thick sheet metal (4~12mm), thick-walled pipe and profiles (<175mm). Ideal for pipe cutters, for rescue/demolition work. Powerful coarse cutting.

## JS123XF



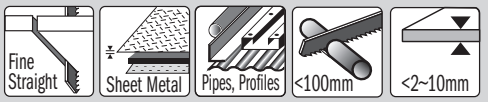

| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | TPI | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 5 | 150 | 130 | 19 | 0.9 | 1.8-3.2 | 8-14 | 10 | JS123XF-5 |




Cuts thin sheet metal (1~8mm) pipes and profiles (diameter <100mm).

## JS925VF

| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | TPI | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 5 | 150 | 130 | 19 | 1.25 | 1.8-2.6 | 10-14 | 10 | JS925VF-5 |




Cuts medium-thick to thick sheet metal (2~10mm), thin and thick-walled pipe and profiles (<100mm). Ideal for demolition work in metal. Fine effortless cutting.

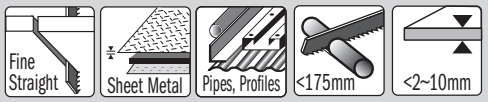
## JS1025VF

| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | TPI | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 5 | 200 | 180 | 19 | 1.25 | 1.8-2.6 | 10-14 | 10 | JS1025VF-5 |

Cuts medium-thick to thick sheet metal (2~10mm), thin and thick-walled pipe and profiles (<150mm). Ideal for demolition work on metal. Fine effortless cutting.

## JS1125VF

| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | TPI | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 5 | 225 | 205 | 19 | 1.25 | 1.8-2.6 | 10-14 | 10 | JS1125VF-5 |




Cuts medium-thick to thick sheet metal (2~10mm), thin and thick-walled pipe and profiles (<175mm). Ideal for demolition work on metal. Fine effortless cutting.

## JS1225VF

| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | TPI | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 5 | 300 | 280 | 19 | 1.25 | 1.8-2.6 | 10-14 | 10 | JS1225VF-5 |

Cuts medium-thick to thick sheet metal (2~10mm), thin and thick-walled pipe and profiles (<250mm). Ideal for demolition work in metal. Fine effortless cutting.

## JS922BF

| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | TPI | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 5 | 150 | 130 | 19 | 0.9 | 1.8 | 14 | 10 | JS922BF-5 |
| 20 | 150 | 130 | 19 | 0.9 | 1.8 | 14 | 5 | JS922BF-20 |

Cuts thin sheet metal (3~8mm), thin pipe and profiles (diameter <100mm). Fine effortless cutting.

## JS1122BF

| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | TPI | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 5 | 225 | 205 | 19 | 0.9 | 1.8 | 14 | 10 | JS1122BF-5 |
| 20 | 225 | 205 | 19 | 0.9 | 1.8 | 14 | 5 | JS1122BF-20 |

Cuts thin sheet metal (3~8mm), thin pipe and profiles (diameter <175mm). Fine effortless cutting. Flexible flush cuts.

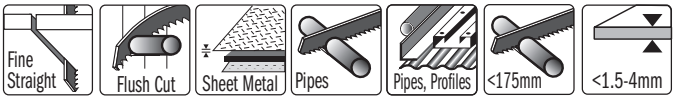
## JS922EF

| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | TPI | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 5 | 150 | 130 | 19 | 0.9 | 1.4 | 18 | 10 | JS922EF-5 |
| 20 | 150 | 130 | 19 | 0.9 | 1.4 | 18 | 5 | JS922EF-20 |

Cuts thin sheet metal (1.5~4mm), pipe and profiles (diameter <100mm).

## JS1122EF

| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | TPI | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 5 | 225 | 205 | 19 | 0.9 | 1.4 | 18 | 10 | JS1122EF-5 |
| 20 | 225 | 205 | 19 | 0.9 | 1.4 | 18 | 5 | JS1122EF-20 |




Cuts thin sheet metal (1.5~4mm), pipe and profiles (diameter <175mm). Flexible flush cuts.

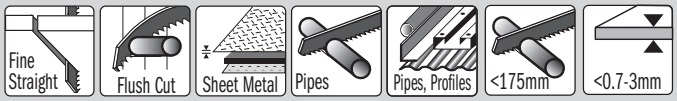
## JS922AF

| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | TPI | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 5 | 150 | 130 | 19 | 0.9 | 1 | 24 | 10 | JS922AF-5 |

Cuts thin sheet metal (0.7~3mm), fine pipe and profiles (diameter <100mm). Effortless fine cuts.

## JS1122AF

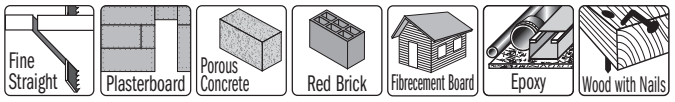
| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | TPI | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 5 | 225 | 205 | 19 | 0.9 | 1 | 24 | 10 | JS1122AF-5 |




Cuts thin sheet metal (0.7~3mm), fine pipe and profiles (diameter <175mm). Effortless fine cuts.

## JS641HM HW TOOTH

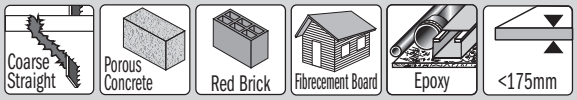
| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | TPI | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 2 | 150 | 130 | 19 | 1.25 | 4.3 | 6 | 25 | JS641HM-2 |




Cuts porous concrete, red brick, fibrecement, plasterboard, fibre-rienforced plastic and epoxy (<100mm), wood & nails, ETERNIT®, MDF.

## JS1141HM HW TOOTH

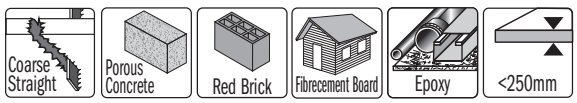
| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | TPI | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 2 | 225 | 205 | 22 | 1.2 | 8.5 | 3 | 25 | JS1141HM-2 |




For cutting porous concrete, red brick, fibrecement (10-175mm), glass fibre-reinforced plastic/epoxy (<100mm). Fast Cut.

## JS1241HM HW TOOTH

| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | TPI | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 2 | 300 | 280 | 22 | 1.5 | 8.5 | 3 | 25 | JS1241HM-2 |



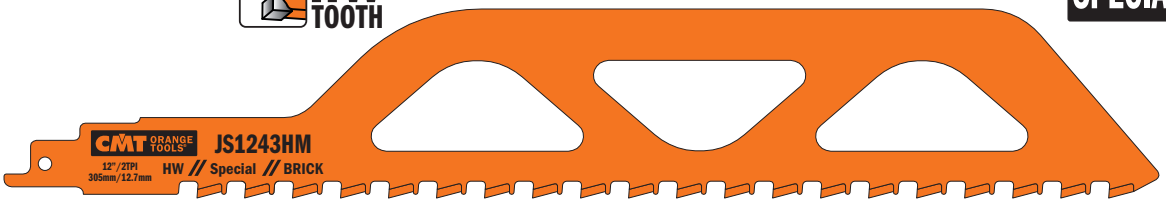

For cutting porous concrete, red brick, fibrecement (10-250mm), glass fibre-reinforced plastic/epoxy (<100mm). Fast Cut.

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

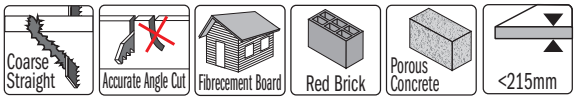
## JS1243HM

HW TOOTH

SPECIAL LONG LIFE FAST CUT HW




| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | TPI | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 1 | 305 | 250 | 50 | 1.5 | 12.7 | 2 | 25 | JS1243HM |

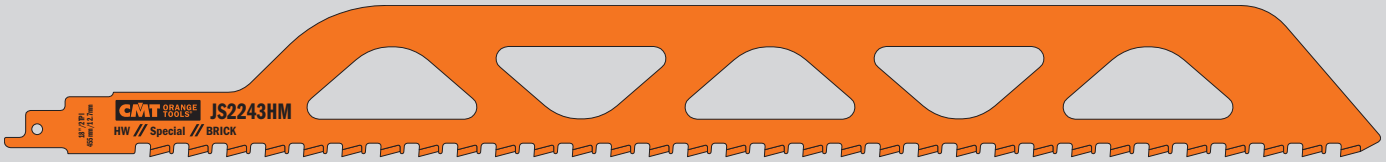



Cuts medium-sized brick up to 215mm in thickness.

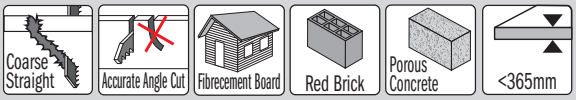
## JS2243HM

HW TOOTH

SPECIAL LONG LIFE FAST CUT HW




| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | TPI | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 1 | 455 | 400 | 50 | 1.5 | 12.7 | 2 | 25 | JS2243HM |

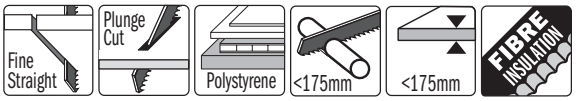



Cuts large brick up to 365mm in thickness.

## JS1113AWP-2

SPECIAL GROUND & KNIFE-EDGE CLEAN CUT PRECISION CUT HCS

| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 2 | 228 | 208 | 22 | 1.5 | 5 | | 25 | JS1113AWP-2 |

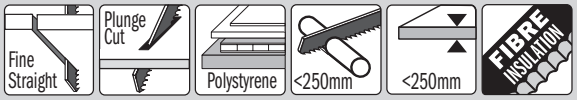



For cutting polystyrene and fibre insulation (<175mm). Clean and precision cut.

## JS1213AWP

SPECIAL GROUND & KNIFE-EDGE CLEAN CUT PRECISION CUT HCS

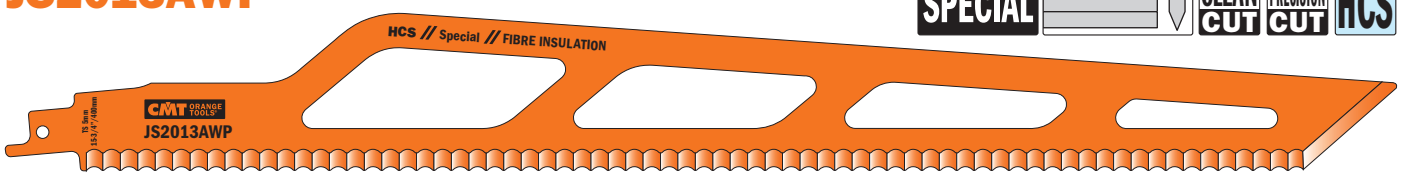
| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 1 | 300 | 280 | 22 | 1.5 | 5 | | 25 | JS1213AWP |



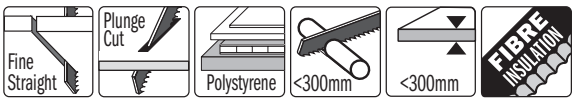

For cutting polystyrene and fibre insulation (<250mm). Clean and precision cut.

## JS2013AWP

SPECIAL GROUND & KNIFE-EDGE CLEAN CUT PRECISION CUT HCS




| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 1 | 400 | 380 | 45 | 1.5 | 5 | | 25 | JS2013AWP |




For cutting polystyrene and fibre insulation (<300mm). Clean and precision cut.

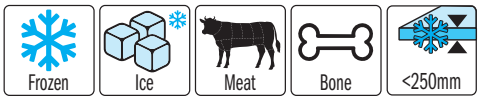
# Sabre Saw Blades

## JS1211K

SPECIAL FAST CUT INOX

| PACK Quantity | L mm | I mm | H mm | K mm | TS mm | TPI | | ORDER NO. Universal Shank |
|---|---|---|---|---|---|---|---|---|
| 5 | 300 | 275 | 19 | 1.2 | 8.5 | 3 | 10 | **JS1211K-5** |

Ideal for sectioning and cutting meat, bone, frozen products and ice up to 250mm in thickness.




✓Compliant with: CD-P-MCA.

# 25 Piece Reciprocating Saw Blade Set

## JS025

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 PCS | KS1122EF BIM | METAL | TPI 18 1.4mm | Fine Straight | | Sheet Metal | Flush cut | Pipes, profiles | <175mm | <1-5-4mm <1/16"-5/32" | LONG LIFE |
| 5 PCS | KS1122HF BIM | WOOD & NAILS | TPI 10 2.5mm | Wood with nails | | Sheet Metal | Flush cut | Pallets | Pipes | <175mm <6-7/8" | LONG LIFE |
| 5 PCS | KS1531L HCS | WOOD | TPI 5 5mm | Coarse Straight | | Nail-free coarse wood | Pruning | <190mm <7-1/2" | FAST CUT | | |
| 5 PCS | KS1111DF BIM | WOOD & NAILS | TPI 6 4.3mm | Wood with nails | | Boards | Plastic | Epoxy | <175mm <6-7/8" | EASY CUT | LONG LIFE |
| 5 PCS | KS3456XF BIM | WOOD & NAILS | TPI 6-12 2.1-4.3mm | Wood with nails | | Boards | Sheet Metal | Epoxy | THIN & THICK | <150mm <5-7-8" | LONG LIFE |

**Minimum 10 pieces or multiple**

# Handle for Reciprocating Saw

Handle for reciprocating saw blades with 12.7mm (1/2") universal shank.
Practical, functional, ergonomic and featuring non-slip material.
Screw for mechanical fastening.
Quick-change system made of ultra-durable material, ensuring strength, functionality, and cutting performance. It features semi-rigid rubber in key areas, allowing effective pressure on the blade during use without losing grip or slipping. This minimizes vibrations for precise, fast, and effortless cutting.

## JS001

| DESCRIPTION | ORDER NO. |
|---|---|
| Handle for reciprocating saw | **JS001** |

**Minimum 10 pieces or multiple**

# ACCESSORIES FOR OSCILLATING MULTI-TOOLS

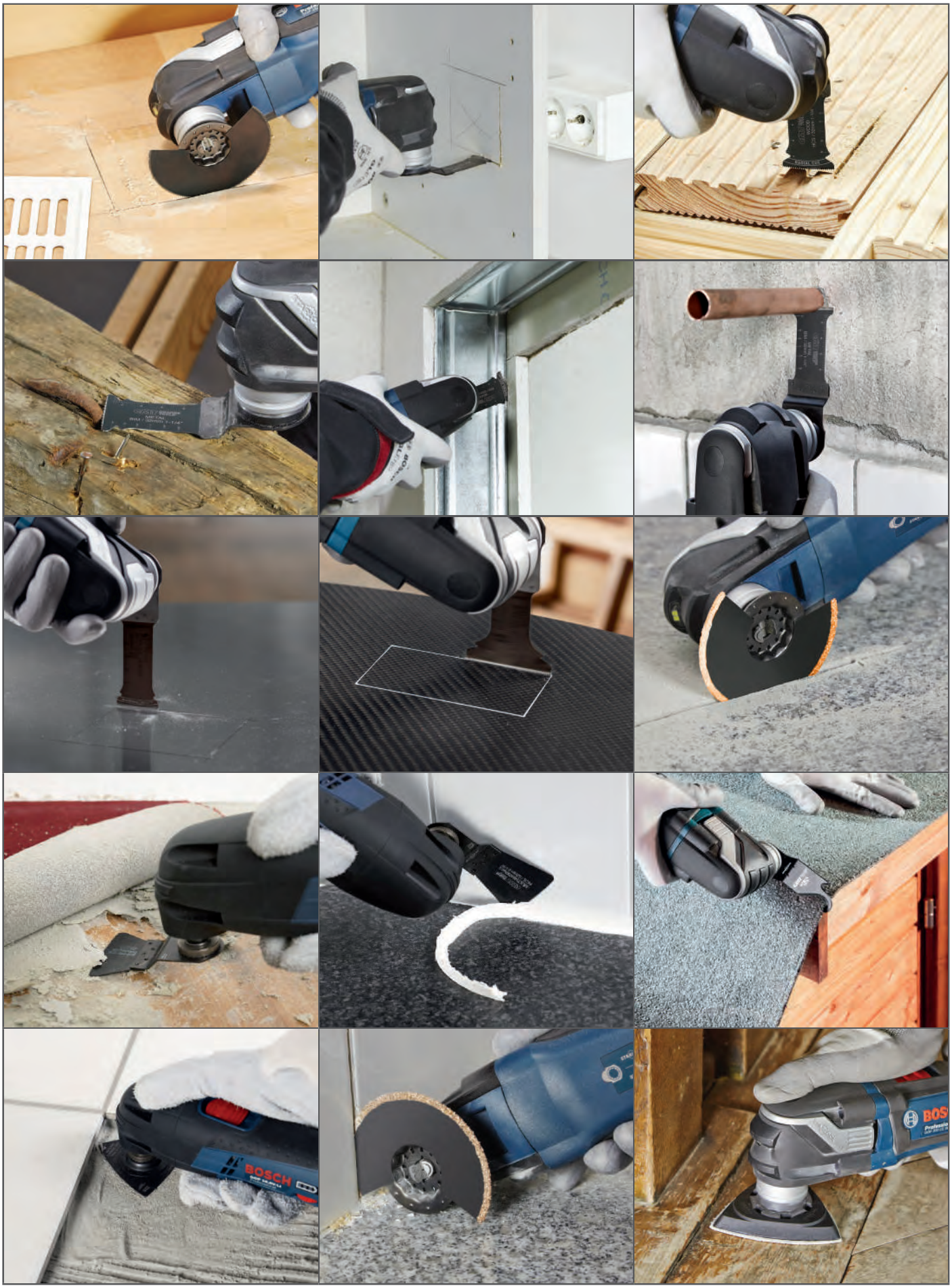
## STARLOCK®/STARLOCKPLUS®/STARLOCKMAX® Arbors


| PRODUCTS | PAGE |
|---|---|
| Segment Blade for Wood | 114 |
| Radial Blade for Wood | 114~116 |
| Segment Blade for Wood & Metal | 116 |
| Asymetric Blade for Wood & Metal | 116 |
| Straight Blade for Wood & Metal | 117 |
| Radial Blade for Wood & Metal | 117-118 |
| HW Radial Blade for Multi-Materials | 119 |
| Straight Blade for Metal | 120 |
| Segment Blade for Masonry | 120-121 |
| Rasp for Masonry | 121 |
| Corner Segment for Masonry | 122 |
| Sealants/Teak Seams knife for Multi-Materials | 122 |
| Multi-knife for Soft Materials | 122 |
| Scraper Blade for Multi-Materials | 123 |
| Delta Sanding Plate | 124 |
| Delta Polishing Fleece | 124 |
| Delta Sanding Sheets | 124 |
| Sets | 124 |


## UNIVERSAL/SUPERCUT ARBORS


| PRODUCTS | PAGE |
|---|---|
| Plunge & Flush-Cut for Wood | 126-127 |
| Precision Cut Blade for Wood | 126-127 |
| Radial Blade Segment for Wood | 128 |
| Plunge & Flush-Cut for Wood & Metal | 128~130 |
| Radial Blade Segment for Wood & Metal | 130 |
| Scraper Blade for Multi-Materials | 131 |
| Radial Blade Segment for Masonry | 131-132 |
| Rasp for Masonry | 132-133 |
| Grout & Mortar Remover for Masonry | 133 |
| Delta Sanding Plate for Multi-Materials | 133 |
| Sets | 134 |

# CUTTING - SCRAPING - RASPING - SEPARATING - SANDING






® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

## TOOTH CHARACTERISTICS

**HCS** — **HIGH CARBON STEEL**
for cutting wood and plastic.

**BIM 8% Co** — **BI-METAL WITH 8% COBALT**
for cutting wood and derivates, nail embedded wood, plastic and metal.

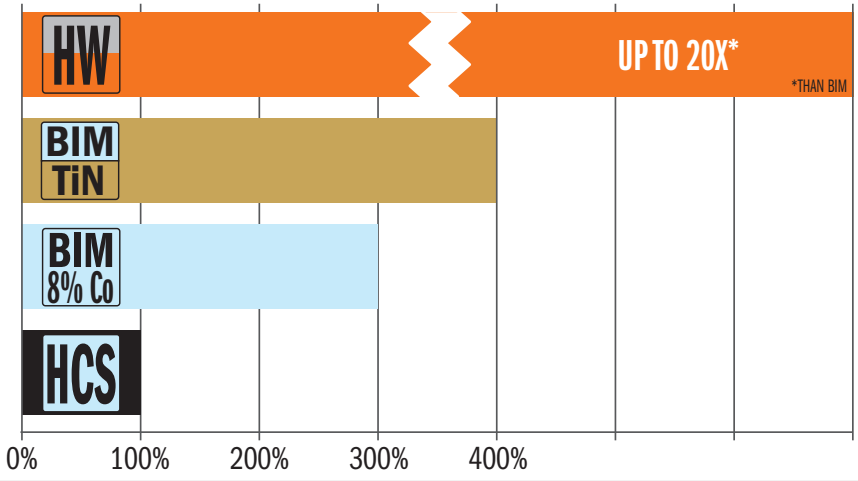
**BIM TiN** — **BI-METAL WITH 8% COBALT WITH TITANIUM COATING**
for cutting metal, nail embedded wood and plastic, providing extreme performance and longer lifetime.

**HW** — **TUNGSTEN CARBIDE TIPPED**
for cutting wood, screws and nails, fiber cement board, plasterboard, plastic, sheet metal, copper, aluminium and stainless steel. Doubles tool lifetime.

**CARBIDE GRIT** — **TUNGSTEN CARBIDE GRIT COATED**
for routing joints and grooves, smaller cutouts, and routing recesses in a variery of materials: tiles, plasterboard, porous concrete, construction materials, epoxy and fiberglass.

**GRIT** — **DIAMOND GRIT COATED**
for routing joints and grooves, smaller cutouts, and routing recesses in a variety of materials: tiles, plasterboard, porous concrete, construction materials, epoxy and fiberglass.
Extreme performance and longer lifetime.

## TOOTH LIFE TIME




## MATERIALS

## STARLOCK® : THE SYSTEM FOR OSCILLATING MULTI-TOOLS

**STARLOCK®** enables extremely reliable and fast accessory changes in a record time of less than 3 seconds. It also guarantees a secure fit and therefore maximum power transfer. The result: up to around 35% faster performance depending on the accessory, noticeably improved precision and reduced noise. To protect the individual tools from overload and damage, the system is divided into 3 performance classes: **STARLOCK®, STARLOCKPLUS®** and **STARLOCKMAX®**.

## THE RIGHT BLADE FOR THE BEST RESULTS!

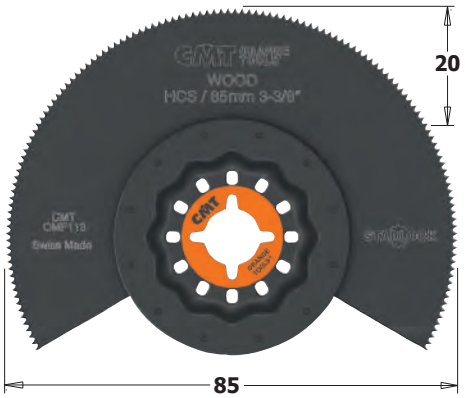
new ECO PACK

*Quick reference charts and pictograms help you choose the right blade for your application.*

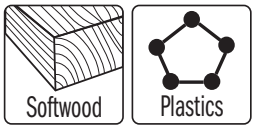
**WOOD** | **WOOD&METAL** | **METAL** | **MULTI-MATERIALS** | **MASONRY**

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

## OMF113 STARLOCK




### SEGMENT BLADE
85MM - HCS - WOOD

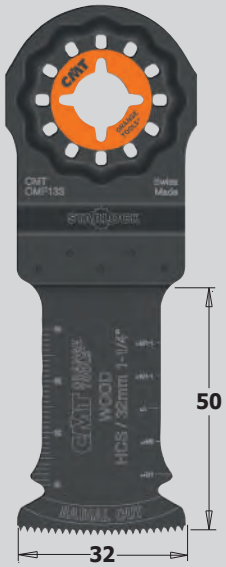



WOOD

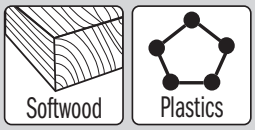
HCS

| PACK Quantity | W mm | I mm | TS mm | TPI | | ORDER NO. STARLOCK® |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 85 | 20 | 1.4 | 18 | 20 | **OMF113-X1** |

## OMF133 STARLOCK




### RADIAL BLADE
32MM - HCS - WOOD




WOOD

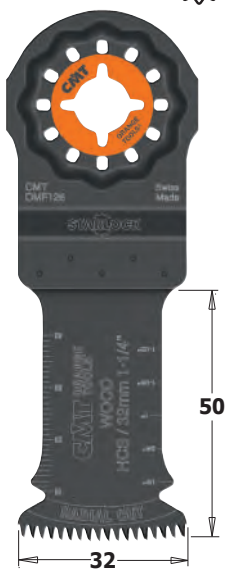
HCS

Accurate

RADIAL SHAPE FOR ACCURATE CUTS

| PACK Quantity | W mm | I mm | TS mm | TPI | | ORDER NO. STARLOCK® |
|---|---|---|---|---|---|---|
| 5 in Clamshell | 32 | 50 | 1.4 | 18 | 15 | **OMF133-X5** |
| 50 in Bulk Pack | 32 | 50 | 1.4 | 18 | 6 | **OMF133-X50** |

## OMF126 STARLOCK




### RADIAL BLADE - CLEAN CUT
32MM - HCS - WOOD

WOOD

HCS

JAPAN TOOTHING

CLEAN CUT

Accurate

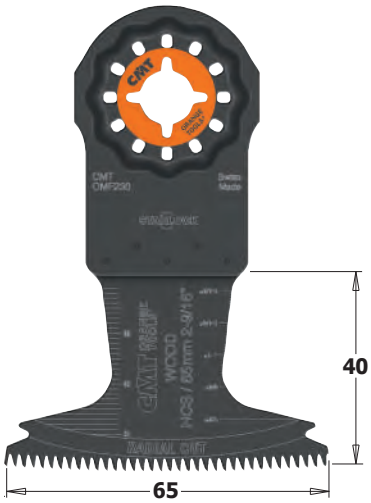
RADIAL SHAPE FOR ACCURATE CUTS

| PACK Quantity | W mm | I mm | TS mm | TPI | | ORDER NO. STARLOCK® |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 32 | 50 | 1.4 | 18 | 20 | **OMF126-X1** |
| 5 in Clamshell | 32 | 50 | 1.4 | 18 | 15 | **OMF126-X5** |
| 50 in Bulk Pack | 32 | 50 | 1.4 | 18 | 6 | **OMF126-X50** |



® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

## OMF230 STARLOCK




**RADIAL BLADE - CLEAN CUT**
65MM - HCS - WOOD

**WOOD**

HCS

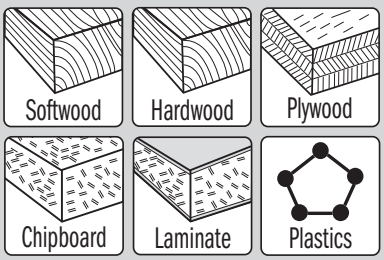
JAPAN TOOTHING | CLEAN CUT | Accurate

RADIAL SHAPE FOR ACCURATE CUTS

| PACK Quantity | W mm | I mm | TS mm | TPI | | ORDER NO. STARLOCK® |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 65 | 40 | 1.8 | 14 | 20 | **OMF230-X1** |
| 5 in Clamshell | 65 | 40 | 1.8 | 14 | 15 | **OMF230-X5** |
| 50 in Bulk Pack | 65 | 40 | 1.8 | 14 | 6 | **OMF230-X50** |

## OMF205 STARLOCK

**RADIAL BLADE - CLEAN CUT**
32MM - BIM - WOOD




**WOOD**

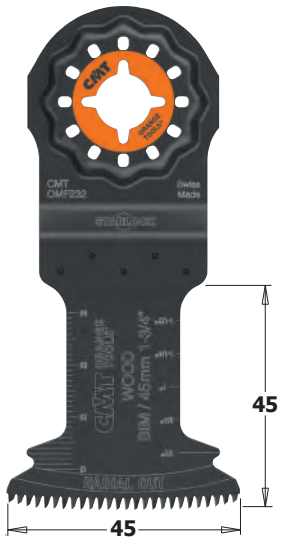
BIM 8% Co | LONG LIFE

Accurate

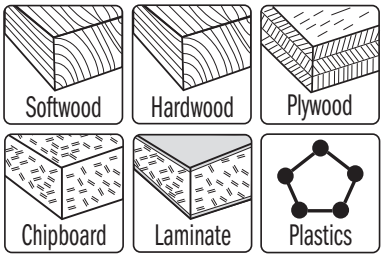
RADIAL SHAPE FOR ACCURATE CUTS

| PACK Quantity | W mm | I mm | TS mm | TPI | | ORDER NO. STARLOCK® |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 32 | 50 | 1.8 | 14 | 20 | **OMF205-X1** |
| 5 in Clamshell | 32 | 50 | 1.8 | 14 | 15 | **OMF205-X5** |
| 50 in Bulk Pack | 32 | 50 | 1.8 | 14 | 6 | **OMF205-X50** |

## OMF232 STARLOCK




**RADIAL BLADE - CLEAN CUT**
45MM - BIM - WOOD




**WOOD**

BIM 8% Co | LONG LIFE

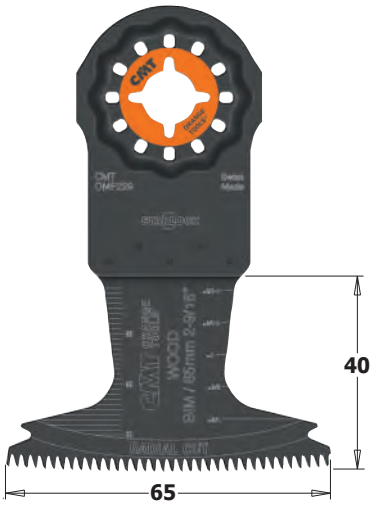
JAPAN TOOTHING | CLEAN CUT | Accurate

RADIAL SHAPE FOR ACCURATE CUTS

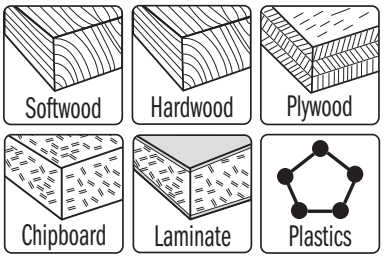
| PACK Quantity | W mm | I mm | TS mm | TPI | | ORDER NO. STARLOCK® |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 45 | 45 | 1.8 | 14 | 20 | **OMF232-X1** |
| 5 in Clamshell | 45 | 45 | 1.8 | 14 | 15 | **OMF232-X5** |

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

## OMF229 STARLOCK




### RADIAL BLADE - CLEAN CUT
65MM - BIM - WOOD



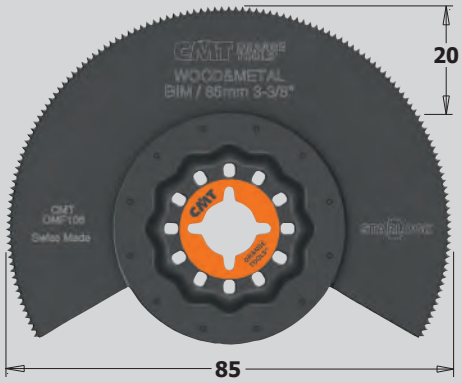

WOOD

BIM 8% Co | LONG LIFE | JAPAN TOOTHING | CLEAN CUT | Accurate

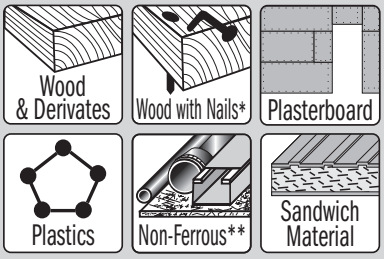
RADIAL SHAPE FOR ACCURATE CUTS

| PACK Quantity | W mm | I mm | TS mm | TPI | | ORDER NO. STARLOCK® |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 65 | 40 | 1.8 | 14 | 20 | **OMF229-X1** |
| 5 in Clamshell | 65 | 40 | 1.8 | 14 | 15 | **OMF229-X5** |
| 50 in Bulk Pack | 65 | 40 | 1.8 | 14 | 6 | **OMF229-X50** |

## OMF106 STARLOCK




### SEGMENT BLADE
85MM - BIM - WOOD&METAL



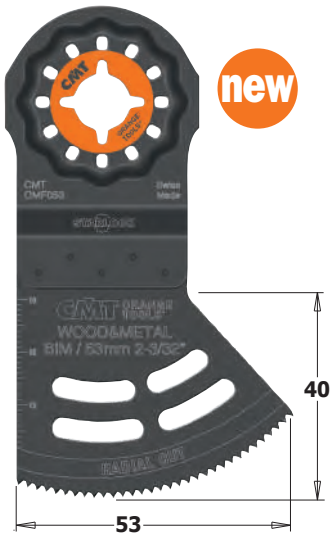

*Not Tempered / **Thickness ≤1mm

WOOD&METAL

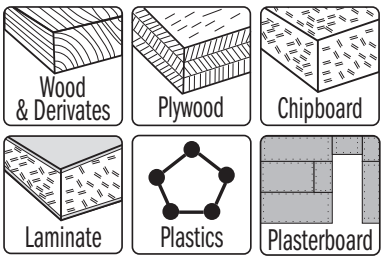
BIM 8% Co | LONG LIFE

| PACK Quantity | W mm | I mm | TS mm | TPI | | ORDER NO. STARLOCK® |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 85 | 20 | 1.4 | 18 | 20 | **OMF106-X1** |

## OMF053 STARLOCK




### ASYMETRIC RADIAL BLADE
53MM - BIM - WOOD&METAL




WOOD&METAL

BIM 8% Co | LONG LIFE | Accurate

RADIAL SHAPE FOR ACCURATE CUTS

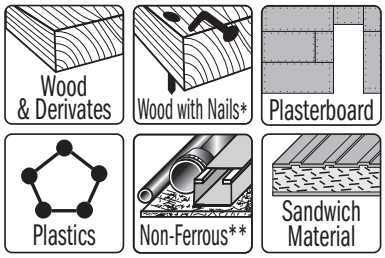
| PACK Quantity | W mm | I mm | TS mm | TPI | | ORDER NO. STARLOCK® |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 53 | 40 | 1.8 | 14 | 20 | **OMF053-X1** |



® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

## OMF184 STARLOCK

### STRAIGHT BLADE
10MM - BIM - WOOD&METAL




*Not Tempered / **Thickness ≤1mm

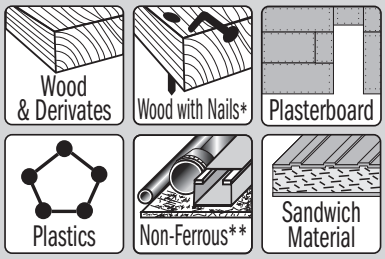
WOOD&METAL

BIM 8% Co LONG LIFE

| PACK Quantity | W mm | I mm | TS mm | TPI | | ORDER NO. STARLOCK® |
|---|---|---|---|---|---|---|
| 5 in Clamshell | 10 | 25 | 1.3 | 20 | 15 | **OMF184-X5** |

## OMF183 STARLOCK

### STRAIGHT BLADE
20MM - BIM - WOOD&METAL




*Not Tempered / **Thickness ≤1mm

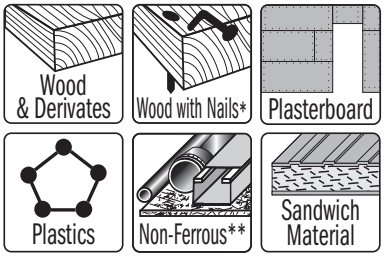
WOOD&METAL

BIM 8% Co LONG LIFE

| PACK Quantity | W mm | I mm | TS mm | TPI | | ORDER NO. STARLOCK® |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 20 | 30 | 1.3 | 20 | 20 | **OMF183-X1** |
| 5 in Clamshell | 20 | 30 | 1.3 | 20 | 15 | **OMF183-X5** |

## OMF160 STARLOCK

### RADIAL BLADE
32MM - BIM - WOOD&METAL




*Not Tempered / **Thickness ≤1mm

WOOD&METAL

BIM 8% Co LONG LIFE

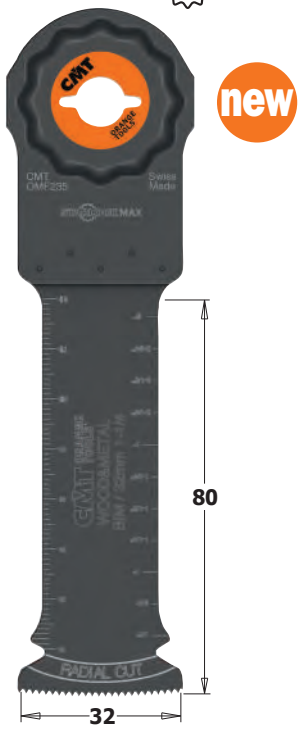
Accurate

RADIAL SHAPE FOR ACCURATE CUTS

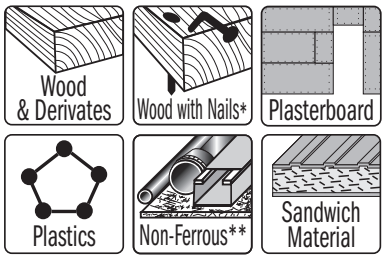
| PACK Quantity | W mm | I mm | TS mm | TPI | | ORDER NO. STARLOCK® |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 32 | 50 | 1.3 | 20 | 20 | **OMF160-X1** |
| 5 in Clamshell | 32 | 50 | 1.3 | 20 | 15 | **OMF160-X5** |
| 50 in Bulk Pack | 32 | 50 | 1.3 | 20 | 6 | **OMF160-X50** |

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

## OMF235 STARLOCK MAX




**RADIAL BLADE**
32MM/80MM - BIM - WOOD&METAL




*Not Tempered / **Thickness ≤1mm

WOOD&METAL

BIM 8% Co

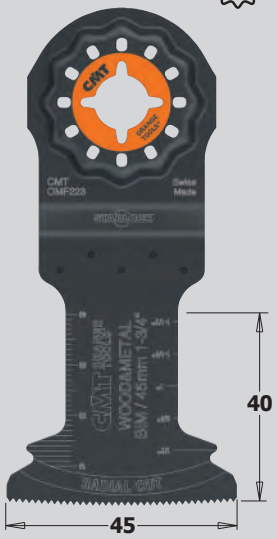
LONG LIFE

Accurate

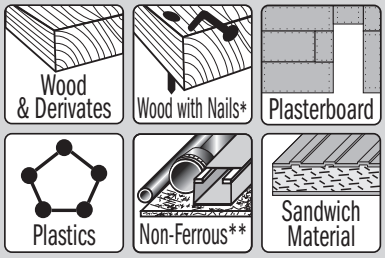
RADIAL SHAPE FOR ACCURATE CUTS

| PACK Quantity | W mm | I mm | TS mm | TPI | | ORDER NO. STARLOCKMAX® |
|---|---|---|---|---|---|---|
| 5 in Clamshell | 32 | 80 | 1.3 | 20 | 15 | **OMF235-X5** |
| 50 in Bulk Pack | 32 | 80 | 1.3 | 20 | 6 | **OMF235-X50** |

## OMF223 STARLOCK




**RADIAL BLADE**
45MM - BIM - WOOD&METAL




*Not Tempered / **Thickness ≤1mm

WOOD&METAL

BIM 8% Co

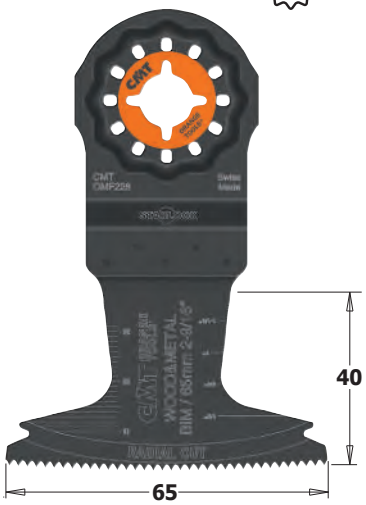
LONG LIFE

Accurate

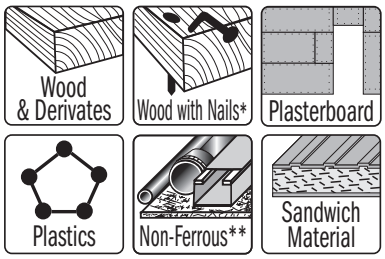
RADIAL SHAPE FOR ACCURATE CUTS

| PACK Quantity | W mm | I mm | TS mm | TPI | | ORDER NO. STARLOCK® |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 45 | 40 | 1.3 | 20 | 20 | **OMF223-X1** |
| 5 in Clamshell | 45 | 40 | 1.3 | 20 | 15 | **OMF223-X5** |
| 50 in Bulk Pack | 45 | 40 | 1.3 | 20 | 6 | **OMF223-X50** |

## OMF228 STARLOCK




**RADIAL BLADE**
65MM - BIM - WOOD&METAL




*Not Tempered / **Thickness ≤1mm

WOOD&METAL

BIM 8% Co

LONG LIFE

Accurate

RADIAL SHAPE FOR ACCURATE CUTS

| PACK Quantity | W mm | I mm | TS mm | TPI | | ORDER NO. STARLOCK® |
|---|---|---|---|---|---|---|
| 5 in Clamshell | 65 | 40 | 1.3 | 20 | 15 | **OMF228-X5** |
| 50 in Bulk Pack | 65 | 40 | 1.3 | 20 | 6 | **OMF228-X50** |

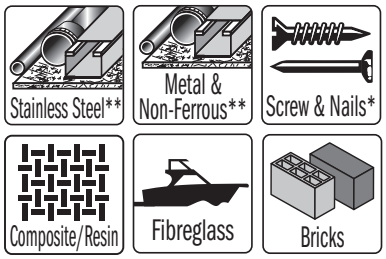


® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

## OMF236 STARLOCK

new

### RADIAL BLADE
32MM/40MM - HW - MULTI-MATERIALS



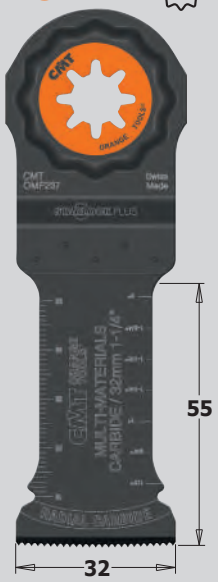

*Not Tempered / **Thickness ≤1mm

MULTI-MATERIALS

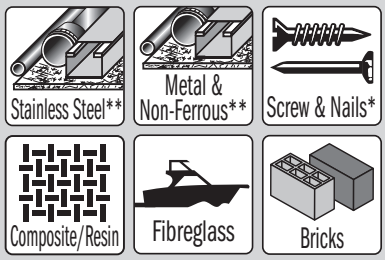
HW EXTRA LONG LIFE UP TO 20X

| PACK Quantity | W mm | I mm | TS mm | TPI | | ORDER NO. STARLOCK® |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 32 | 40 | 1.3 | 20 | 20 | **OMF236-X1** |

## OMF237 STARLOCK PLUS




### RADIAL BLADE
32MM/55MM - HW- MULTI-MATERIALS




*Not Tempered / **Thickness ≤1mm

MULTI-MATERIALS

HW EXTRA LONG LIFE UP TO 20X

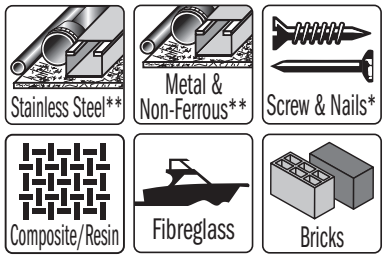
Accurate
RADIAL SHAPE FOR ACCURATE CUTS

| PACK Quantity | W mm | I mm | TS mm | TPI | | ORDER NO. STARLOCKPLUS® |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 32 | 55 | 1.3 | 20 | 20 | **OMF237-X1** |

## OMF238 STARLOCK

new

### STRAIGHT BLADE
45MM/55MM - HW- MULTI-MATERIALS




*Not Tempered / **Thickness ≤1mm

MULTI-MATERIALS

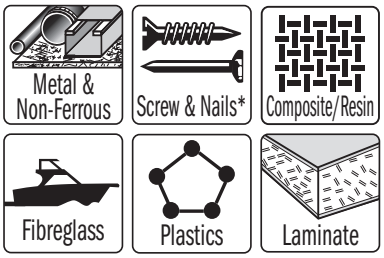
HW EXTRA LONG LIFE UP TO 20X

| PACK Quantity | W mm | I mm | TS mm | TPI | | ORDER NO. STARLOCK® |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 45 | 40 | 1.1 | 20 | 20 | **OMF238-X1** |

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

## OMF157 STARLOCK

**STRAIGHT BLADE**
32MM - BIM - METAL



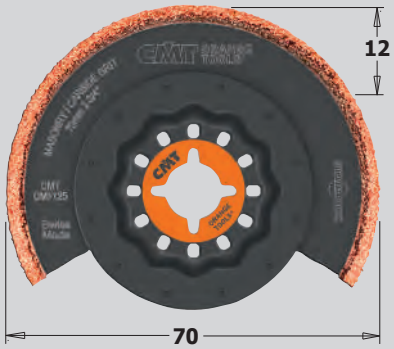

*Not Tempered / **Thickness ≤1mm

**METAL**

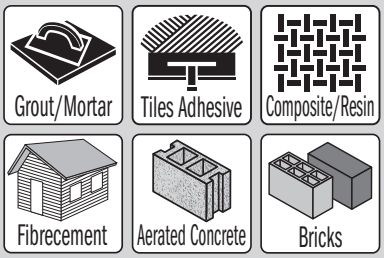
BIM 8% Co | LONG LIFE

| PACK Quantity | W mm | I mm | TS mm | TPI | | ORDER NO. STARLOCK® |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 32 | 50 | 1.3 | 20 | 20 | **OMF157-X1** |
| 5 in Clamshell | 32 | 50 | 1.3 | 20 | 15 | **OMF157-X5** |
| 50 in Bulk Pack | 32 | 50 | 1.3 | 20 | 6 | **OMF157-X50** |

## OMF125 STARLOCK




**SEGMENT BLADE**
70MM - CARBIDE GRIT - MASONRY



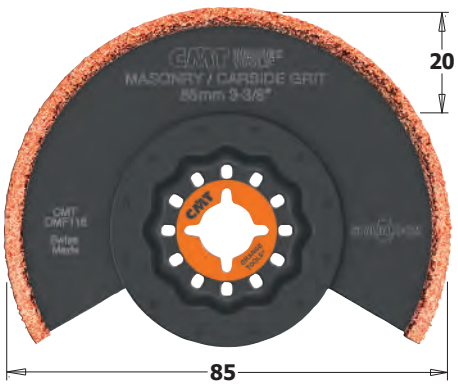

**MASONRY**

CARBIDE GRIT | EXTRA LONG LIFE

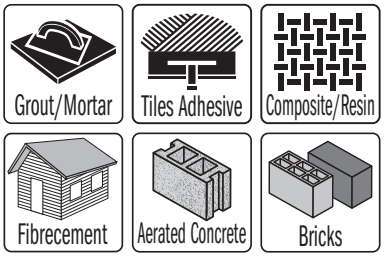
≤1.7MM ≤1/16" | GRIT 50

| PACK Quantity | W mm | I mm | TS mm | TPI | | ORDER NO. STARLOCK® |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 70 | 12 | - | - | 20 | **OMF125-X1** |

## OMF118 STARLOCK




**SEGMENT BLADE**
85MM - CARBIDE GRIT - MASONRY




**MASONRY**

CARBIDE GRIT | EXTRA LONG LIFE

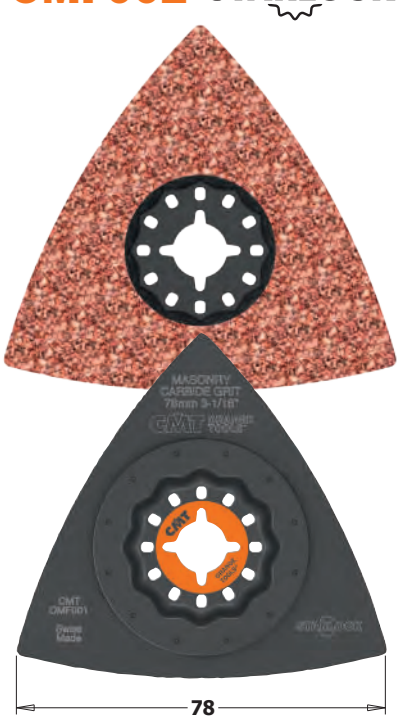
≤2.5MM ≤3/32" | GRIT 30

| PACK Quantity | W mm | I mm | TS mm | TPI | | ORDER NO. STARLOCK® |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 85 | 20 | - | - | 20 | **OMF118-X1** |

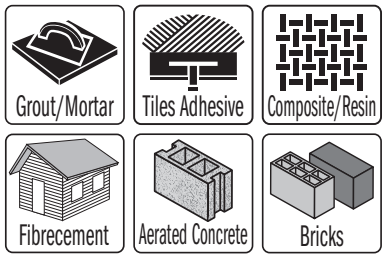


® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

## OMF001 STARLOCK




**RASP**
78MM - CARBIDE GRIT - MASONRY

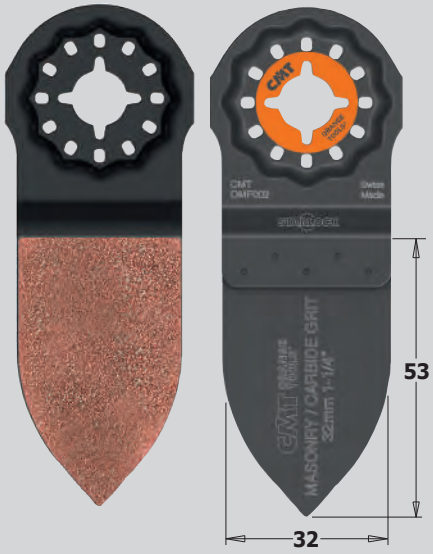



**MASONRY**

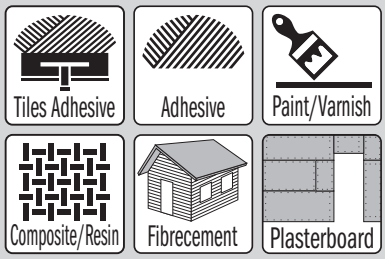
CARBIDE GRIT | EXTRA LONG LIFE | GRIT 20

| PACK Quantity | W mm | I mm | TS mm | TPI | | ORDER NO. STARLOCK® |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 78 | - | - | - | 20 | **OMF001-X1** |

## OMF002 STARLOCK




**RASP**
32MM - CARBIDE GRIT - MASONRY

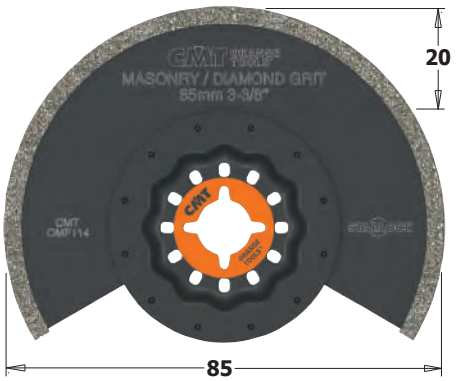



**MASONRY**

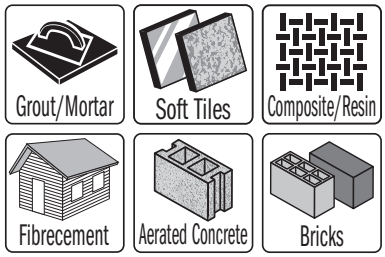
CARBIDE GRIT | EXTRA LONG LIFE | GRIT 40

| PACK Quantity | W mm | I mm | TS mm | TPI | | ORDER NO. STARLOCK® |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 32 | 53 | - | - | 20 | **OMF002-X1** |

## OMF114 STARLOCK




**SEGMENT BLADE**
85MM - DIAMOND GRIT - MASONRY




**MASONRY**

GRIT | EXTRA LONG LIFE | ≤2MM ≤5/64" | GRIT 40

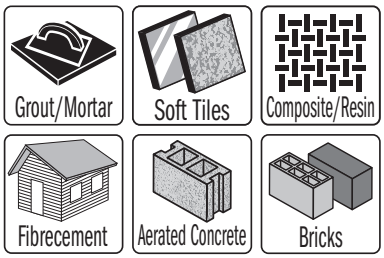
| PACK Quantity | W mm | I mm | TS mm | TPI | | ORDER NO. STARLOCK® |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 85 | 20 | - | - | 20 | **OMF114-X1** |

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

## OMF243 STARLOCK MAX

### CORNER SEGMENT BLADE
68MM - DIAMOND GRIT - MASONRY

MASONRY

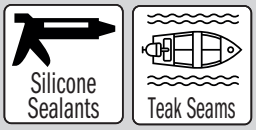


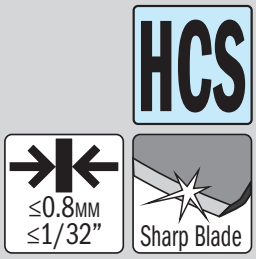
| PACK Quantity | W mm | I mm | TS mm | TPI | | ORDER NO. STARLOCKMAX® |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 68 | 30 | - | - | 20 | **OMF243-X1** |

## OMF201 STARLOCK

### SEALANTS/TEAK SEAMS KNIFE
HCS - MULTI-MATERIALS

MULTI-MATERIALS



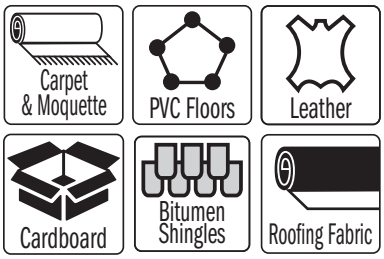




| PACK Quantity | W mm | I mm | TS mm | TPI | | ORDER NO. STARLOCK® |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 6 | 29 | - | - | 20 | **OMF201-X1** |

## OMF251 STARLOCK

### MULTI-KNIFE FOR SOFT MATERIALS
HCS - MULTI-MATERIALS

MULTI-MATERIALS



| PACK Quantity | W mm | TS mm | TPI | | ORDER NO. STARLOCK® |
|---|---|---|---|---|---|
| 1 in Clamshell | 24 & 11 | - | - | 20 | **OMF251-X1** |



® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

## OMF239 STARLOCK

**SCRAPER BLADE**
28MM - HCS - MULTI-MATERIALS

**MULTI-MATERIALS**

Silicone Sealants

HCS

≤1MM
≤3/64”

| PACK Quantity | W mm | I mm | TS mm | TPI | | ORDER NO. STARLOCK® |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 28 | 40 | - | - | 20 | **OMF239-X1** |

## OMF226 STARLOCK

**SCRAPER BLADE FOR HARD RESIDUES**
52MM - HCS - MULTI-MATERIALS

**MULTI-MATERIALS**

Grout/Mortar

Adhesive

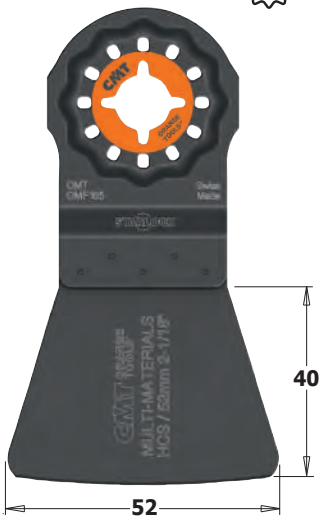
HCS

≤0.8MM
≤1/32”

Sharp Blade

| PACK Quantity | W mm | I mm | TS mm | TPI | | ORDER NO. STARLOCK® |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 52 | 26 | - | - | 20 | **OMF226-X1** |

## OMF165 STARLOCK




**SCRAPER BLADE FOR SOFT RESIDUES**
52MM - HCS - MULTI-MATERIALS

**MULTI-MATERIALS**

Adhesive

Paint/Varnish

HCS

≤0.4MM
≤1/64”

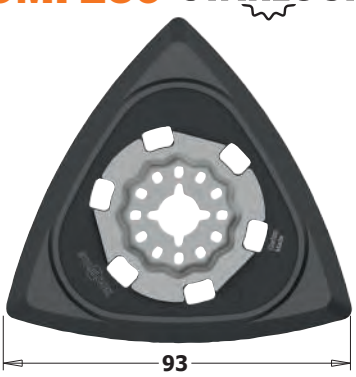
| PACK Quantity | W mm | I mm | TS mm | TPI | | ORDER NO. STARLOCK® |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 52 | 40 | - | - | 20 | **OMF165-X1** |

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

## OMF136 STARLOCK

### DELTA SANDING PLATE
93MM - VELCRO® - MULTI-MATERIALS

MULTI-MATERIALS




| PACK Quantity | W mm | I mm | TS mm | TPI | | ORDER NO. STARLOCK® |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 93 | - | - | - | 20 | **OMF136-X1** |

## OMA30000

### DELTA POLISHING FLEECE
93MM - VELCRO® - MULTI-MATERIALS

MULTI-MATERIALS

Wood & Derivates | Plastics | Metal & Non-Ferrous | Paint/Varnish

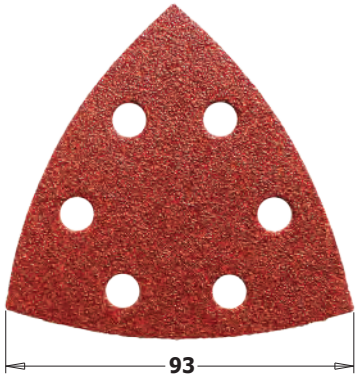
| PACK Quantity | W mm | | ORDER NO. |
|---|---|---|---|
| 4 in Clamshell | 93 | 10 | **OMA30000-X4** |

## OMA30

### DELTA SANDING SHEETS
93MM - VELCRO® - WOOD

WOOD

Wood & Derivates | Paint/Varnish




| PACK Quantity | W mm | GRIT | | ORDER NO. |
|---|---|---|---|---|
| 10 in Clamshell | 93 | 40 | 10 | **OMA30040-X10** |
| 10 in Clamshell | 93 | 60 | 10 | **OMA30060-X10** |
| 10 in Clamshell | 93 | 80 | 10 | **OMA30080-X10** |
| 10 in Clamshell | 93 | 100 | 10 | **OMA30100-X10** |
| 10 in Clamshell | 93 | 120 | 10 | **OMA30120-X10** |
| 10 in Clamshell | 93 | 180 | 10 | **OMA30180-X10** |
| 10 in Clamshell | 93 | 240 | 10 | **OMA30240-X10** |

## OMF-X4 STARLOCK

WOOD | WOOD&METAL

### 4 PCS. GENERAL PURPOSE SET FOR OSCILLATING MULTI-TOOLS

| PACK Quantity | MATERIAL | W mm | I mm | TS mm | TPI | ORDER NO. |
|---|---|---|---|---|---|---|
| 1 | HCS | 32 | 50 | 1.4 | 18 | **OMF126-X1** |
| 1 | BIM | 32 | 50 | 1.3 | 20 | **OMF160-X1** |
| 1 | BIM | 50 | 50 | 1.4 | 18 | **OMF221-X1** |
| 1 | HCS | 65 | 40 | 1.8 | 14 | **OMF230-X1** |

8 Sets in End-cap display
*(minimum 8 pieces or multiple)*



® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

# THE RIGHT BLADE FOR THE BEST RESULTS!

*Quick reference charts and pictograms help you choose the right blade for your application.*

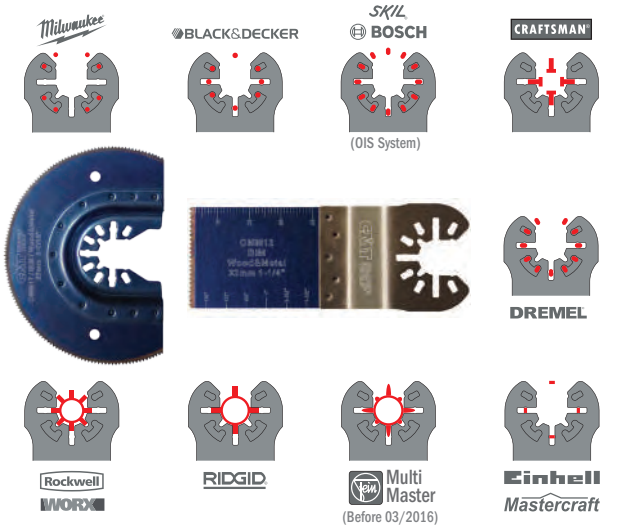
**WOOD**

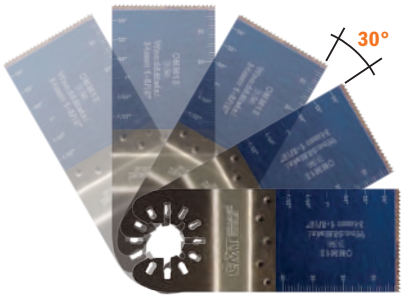
**WOOD&METAL**

**MULTI-MATERIALS**

**MASONRY**

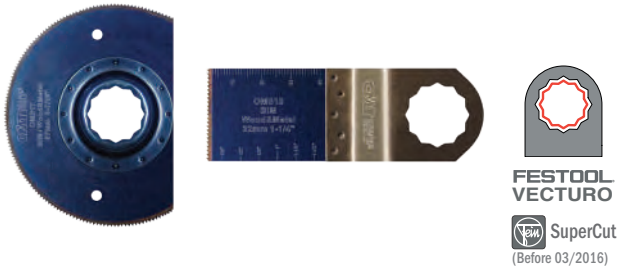
## CMT UNIVERSAL ARBOR FITS MOST MULTI-CUTTERS ON THE MARKET

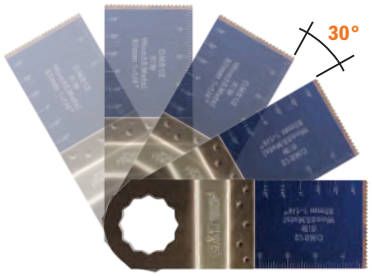



This tool mount also enables the accessory to be repositioned in 30-degree steps.

## ARBOR FOR FEIN® SUPERCUT AND FESTOOL® VECTURO®




This tool mount also enables the accessory to be repositioned in 30-degree steps.

## OMA31

FRONT BACK

### UNIVERSAL ADAPTORS

This universal adaptor permits easy attachment of CMT accessories (OMM line) to most multi-cutter tools. Fits snugly and does not slip. Ideal for BOSCH®, CHICAGO®, CRAFTSMAN®, DREMEL®, FEIN®, MAKITA®, MILWAUKEE®, MASTERCRAFT®, OZITO®, AEG®, RIDGID®, ROCKWELL®, SMART®, WORX®.

| PACK Quantity | | ORDER NO. |
|---|---|---|
| 2 in Clamshell | 10 | OMA31-X2 |

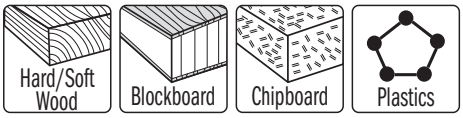
® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

## OMM01 / OMS01

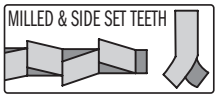
**PLUNGE & FLUSH-CUT BLADE**
10MM - HCS - WOOD

OMM01 Universal Arbor

OMS01 Arbor for FEIN® SuperCut FESTOOL® VECTURO®




WOOD



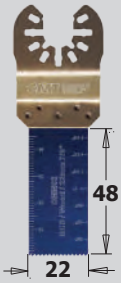

HCS

| PACK Quantity | W mm | I mm | TPI | | ORDER NO. Universal Arbor | ORDER NO. Arbor for FEIN® Supercut |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 10 | 28 | 18 | 10 | OMM01-X1 | OMS01-X1 |

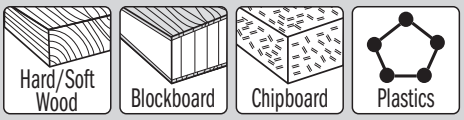
## OMM02 / OMS02

**PLUNGE & FLUSH-CUT BLADE**
22MM - HCS - WOOD

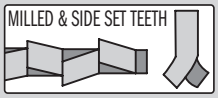
OMM02 Universal Arbor




OMS02 Arbor for FEIN® SuperCut FESTOOL® VECTURO®




WOOD




HCS

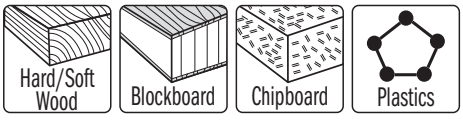
| PACK Quantity | W mm | I mm | TPI | | ORDER NO. Universal Arbor | ORDER NO. Arbor for FEIN® Supercut |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 22 | 48 | 18 | 10 | OMM02-X1 | |
| 5 in Clamshell | 22 | 48 | 18 | 5 | OMM02-X5 | OMS02-X5 |

## OMM03 / OMS03

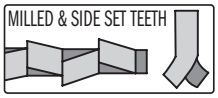
**PLUNGE & FLUSH-CUT BLADE**
28MM - HCS - WOOD

OMM03 Universal Arbor

OMS03 Arbor for FEIN® SuperCut FESTOOL® VECTURO®




WOOD



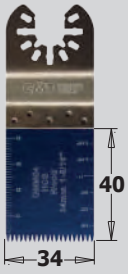

HCS

| PACK Quantity | W mm | I mm | TPI | | ORDER NO. Universal Arbor | ORDER NO. Arbor for FEIN® Supercut |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 28 | 48 | 18 | 10 | OMM03-X1 | |
| 50 in Bulk Pack | 28 | 48 | 18 | 2 | OMM03-X50 | OMS03-X50 |

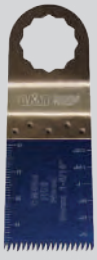
## OMM04 / OMS04

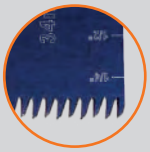
**PRECISION CUT BLADE - JAPANESE TOOTHING**
34MM - HCS - WOOD

OMM04 Universal Arbor

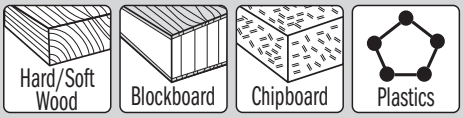



OMS04 Arbor for FEIN® SuperCut FESTOOL® VECTURO®

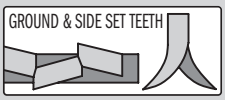




JAPANESE TOOTHING




WOOD




HCS FAST CUT

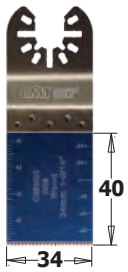
| PACK Quantity | W mm | I mm | TPI | | ORDER NO. Universal Arbor | ORDER NO. Arbor for FEIN® Supercut |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 34 | 40 | 14 | 10 | OMM04-X1 | |
| 5 in Clamshell | 34 | 40 | 14 | 5 | OMM04-X5 | |
| 50 in Bulk Pack | 34 | 40 | 14 | 2 | OMM04-X50 | OMS04-X50 |



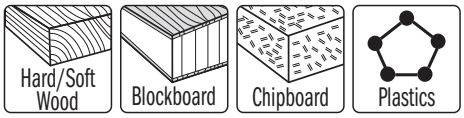
® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

## OMM05 / OMS05

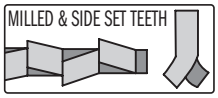
Universal Arbor / Arbor for FEIN® SuperCut FESTOOL® VECTURO®



### PLUNGE & FLUSH-CUT BLADE
34MM - BIM8%Co - WOOD




WOOD

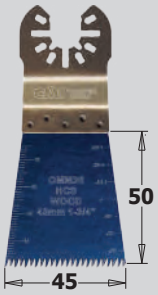



BIM 8% Co · EXTRA LONG LIFE

| PACK Quantity | W mm | I mm | TPI | | ORDER NO. Universal Arbor | ORDER NO. Arbor for FEIN® Supercut |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 34 | 40 | 18 | 10 | OMM05-X1 | OMS05-X1 |
| 5 in Clamshell | 34 | 40 | 18 | 5 | OMM05-X5 | OMS05-X5 |
| 50 in Bulk Pack | 34 | 40 | 18 | 2 | OMM05-X50 | OMS05-X50 |

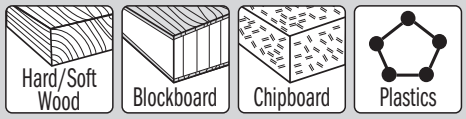
## OMM36

Universal Arbor

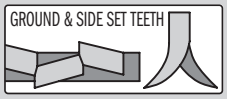


JAPANESE TOOTHING

### PRECISION CUT BLADE - JAPANESE TOOTHING
45MM - HCS - WOOD




WOOD

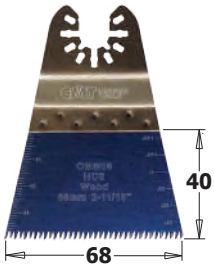


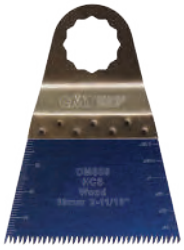

HCS · FAST CUT

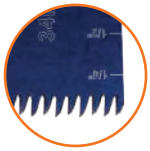
| PACK Quantity | W mm | I mm | TPI | | ORDER NO. Universal Arbor |
|---|---|---|---|---|---|
| 5 in Clamshell | 45 | 50 | 14 | 5 | OMM36-X5 |
| 50 in Bulk Pack | 45 | 50 | 14 | 2 | OMM36-X50 |

## OMM06 / OMS06

Universal Arbor / Arbor for FEIN® SuperCut FESTOOL® VECTURO®

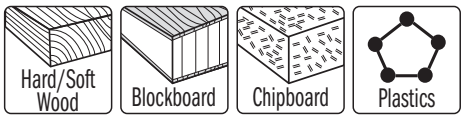


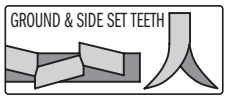


JAPANESE TOOTHING

### PRECISION CUT BLADE - JAPANESE TOOTHING
68MM - HCS - WOOD




WOOD

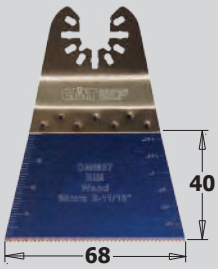


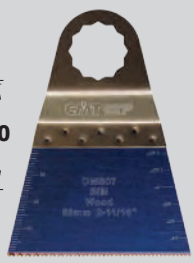

HCS · FAST CUT

| PACK Quantity | W mm | I mm | TPI | | ORDER NO. Universal Arbor | ORDER NO. Arbor for FEIN® Supercut |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 68 | 40 | 14 | 10 | OMM06-X1 | OMS06-X1 |
| 5 in Clamshell | 68 | 40 | 14 | 5 | OMM06-X5 | |
| 50 in Bulk Pack | 68 | 40 | 14 | 2 | OMM06-X50 | OMS06-X50 |

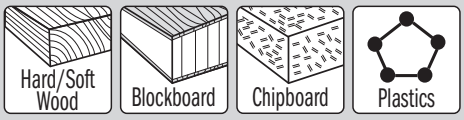
## OMM07 / OMS07

Universal Arbor / Arbor for FEIN® SuperCut FESTOOL® VECTURO®

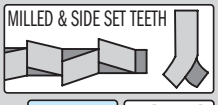


### PRECISION CUT BLADE - JAPANESE TOOTHING
68MM - BIM8%Co - WOOD




WOOD




BIM 8% Co · LONG LIFE

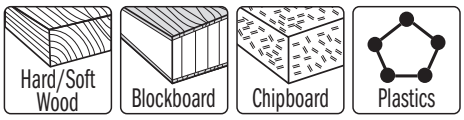
| PACK Quantity | W mm | I mm | TPI | | ORDER NO. Universal Arbor | ORDER NO. Arbor for FEIN® Supercut |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 68 | 40 | 18 | 10 | OMM07-X1 | OMS07-X1 |
| 5 in Clamshell | 68 | 40 | 18 | 5 | OMM07-X5 | OMS07-X5 |
| 50 in Bulk Pack | 68 | 40 | 18 | 2 | OMM07-X50 | OMS07-X50 |

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

## OMM08 / OMS08

Universal Arbor / Arbor for FEIN® SuperCut FESTOOL® VECTURO®

### RADIAL BLADE - SEGMENTED
87MM - HCS - WOOD




WOOD

HCS

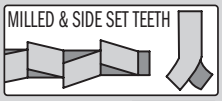
| PACK Quantity | W mm | | TPI | | ORDER NO. Universal Arbor | ORDER NO. Arbor for FEIN® Supercut |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 87 | | 18 | 10 | OMM08-X1 | OMS08-X1 |

## OMM09 / OMS09

Universal Arbor / Arbor for FEIN® SuperCut FESTOOL® VECTURO®

### PLUNGE & FLUSH-CUT BLADE
10MM - BIM8%Co - WOOD&METAL

WOOD&METAL




BIM 8% Co

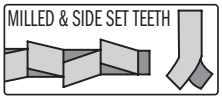
| PACK Quantity | W mm | I mm | TPI | | ORDER NO. Universal Arbor | ORDER NO. Arbor for FEIN® Supercut |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 10 | 28 | 18 | 10 | OMM09-X1 | OMS09-X1 |
| 5 in Clamshell | 10 | 28 | 18 | 5 | OMM09-X5 | OMS09-X5 |
| 50 in Bulk Pack | 10 | 28 | 18 | 2 | OMM09-X50 | OMS09-X50 |

## OMM10 / OMS10

Universal Arbor / Arbor for FEIN® SuperCut FESTOOL® VECTURO®

### PLUNGE & FLUSH-CUT BLADE
22MM - BIM8%Co - WOOD&METAL

WOOD&METAL

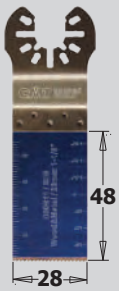



BIM 8% Co

| PACK Quantity | W mm | I mm | TPI | | ORDER NO. Universal Arbor | ORDER NO. Arbor for FEIN® Supercut |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 22 | 48 | 18 | 10 | OMM10-X1 | |
| 5 in Clamshell | 22 | 48 | 18 | 5 | OMM10-X5 | |
| 50 in Bulk Pack | 22 | 48 | 18 | 2 | OMM10-X50 | OMS10-X50 |

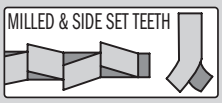
## OMM11 / OMS11

Universal Arbor / Arbor for FEIN® SuperCut FESTOOL® VECTURO®



### PLUNGE & FLUSH-CUT BLADE
28MM - BIM8%Co - WOOD&METAL

WOOD&METAL




BIM 8% Co

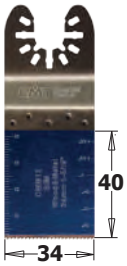
| PACK Quantity | W mm | I mm | TPI | | ORDER NO. Universal Arbor | ORDER NO. Arbor for FEIN® Supercut |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 28 | 48 | 18 | 10 | OMM11-X1 | |
| 5 in Clamshell | 28 | 48 | 18 | 5 | OMM11-X5 | |
| 50 in Bulk Pack | 28 | 48 | 18 | 2 | OMM11-X50 | OMS11-X50 |



® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

## OMM12 / OMS12

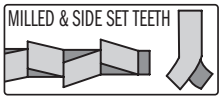
Universal Arbor / Arbor for FEIN® SuperCut FESTOOL® VECTURO®



OMS12
W=32mm

### PLUNGE & FLUSH-CUT BLADE
34MM - BIM8%Co - WOOD&METAL

WOOD&METAL




BIM 8% Co

| PACK Quantity | W mm | I mm | TPI | | ORDER NO. Universal Arbor | ORDER NO. Arbor for FEIN® Supercut |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 34 | 40 | 18 | 10 | OMM12-X1 | |
| 5 in Clamshell | 34 | 40 | 18 | 5 | OMM12-X5 | OMS12-X5 |
| 50 in Bulk Pack | 34 | 40 | 18 | 2 | OMM12-X50 | OMS12-X50 |

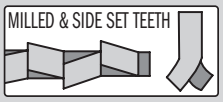
## OMM13 / OMS13

Universal Arbor / Arbor for FEIN® SuperCut FESTOOL® VECTURO®

OMS13
W=32mm

### PLUNGE & FLUSH-CUT BLADE
34MM - BIMTiN - WOOD&METAL

WOOD&METAL

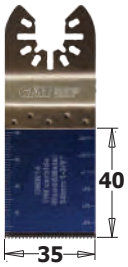



BIM TiN
EXTRA LONG LIFE
130% LONGER LIFE

| PACK Quantity | W mm | I mm | TPI | | ORDER NO. Universal Arbor | ORDER NO. Arbor for FEIN® Supercut |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 34 | 40 | 18 | 10 | OMM13-X1 | OMS13-X1 |
| 5 in Clamshell | 34 | 40 | 18 | 5 | OMM13-X5 | OMS13-X5 |
| 50 in Bulk Pack | 34 | 40 | 18 | 2 | OMM13-X50 | OMS13-X50 |

## OMM14

Universal Arbor




### PLUNGE & FLUSH-CUT BLADE
35MM - HW - WOOD&METAL

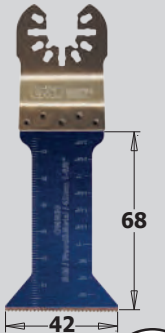
WOOD&METAL

HW
EXTRA LONG LIFE
2X LONGER LIFE

| PACK Quantity | W mm | I mm | TPI | | ORDER NO. Universal Arbor |
|---|---|---|---|---|---|
| 1 in Clamshell | 35 | 40 | 20 | 10 | OMM14-X1 |

## OMM35 / OMS35

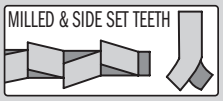
Universal Arbor / Arbor for FEIN® SuperCut FESTOOL® VECTURO®




EXTRA LONG

### PLUNGE & FLUSH-CUT BLADE
42MM - BIM8%Co - WOOD&METAL

WOOD&METAL




BIM 8% Co

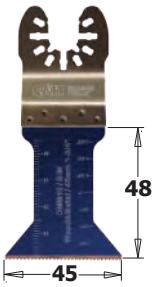
| PACK Quantity | W mm | I mm | TPI | | ORDER NO. Universal Arbor | ORDER NO. Arbor for FEIN® Supercut |
|---|---|---|---|---|---|---|
| 5 in Clamshell | 42 | 68 | 18 | 5 | OMM35-X5 | |
| 50 in Bulk Pack | 42 | 68 | 18 | 2 | OMM35-X50 | OMS35-X50 |

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

## OMM15 / OMS15

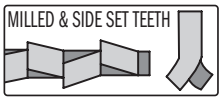
Universal Arbor

Arbor for FEIN® SuperCut FESTOOL® VECTURO®



### PLUNGE & FLUSH-CUT BLADE
45MM - BIM8%Co - WOOD&METAL

WOOD&METAL




BIM 8% Co

| PACK Quantity | W mm | I mm | TPI | | ORDER NO. Universal Arbor | ORDER NO. Arbor for FEIN® Supercut |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 45 | 48 | 18 | 10 | **OMM15-X1** | |
| 5 in Clamshell | 45 | 48 | 18 | 5 | **OMM15-X5** | |
| 50 in Bulk Pack | 45 | 48 | 18 | 2 | **OMM15-X50** | **OMS15-X50** |

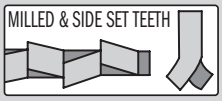
## OMM16 / OMS16

Universal Arbor

Arbor for FEIN® SuperCut FESTOOL® VECTURO®

### PLUNGE & FLUSH-CUT BLADE
45MM - BIMTiN - WOOD&METAL

WOOD&METAL




BIM TiN

EXTRA LONG LIFE

130% LONGER LIFE

| PACK Quantity | W mm | I mm | TPI | | ORDER NO. Universal Arbor | ORDER NO. Arbor for FEIN® Supercut |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 45 | 48 | 18 | 10 | **OMM16-X1** | **OMS16-X1** |
| 5 in Clamshell | 45 | 48 | 18 | 5 | **OMM16-X5** | **OMS16-X5** |
| 50 in Bulk Pack | 45 | 48 | 18 | 2 | **OMM16-X50** | **OMS16-X50** |

## OMM17 / OMS17

Universal Arbor

Arbor for FEIN® SuperCut FESTOOL® VECTURO®

### RADIAL BLADE - SEGMENTED
87MM - BIM8%Co - WOOD&METAL

WOOD&METAL

BIM 8% Co

LONG LIFE

| PACK Quantity | W mm | | TPI | | ORDER NO. Universal Arbor | ORDER NO. Arbor for FEIN® Supercut |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 87 | | 20 | 10 | **OMM17-X1** | **OMS17-X1** |

## OMM18 / OMS18

Universal Arbor

Arbor for FEIN® SuperCut FESTOOL® VECTURO®

### RADIAL BLADE - SEGMENTED
87MM - BIMTiN - WOOD&METAL

WOOD&METAL

BIM TiN

EXTRA LONG LIFE

130% LONGER LIFE

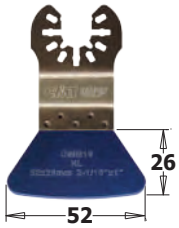
| PACK Quantity | W mm | | TPI | | ORDER NO. Universal Arbor | ORDER NO. Arbor for FEIN® Supercut |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 87 | | 20 | 10 | **OMM18-X1** | **OMS18-X1** |



® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

## OMM19 / OMS19

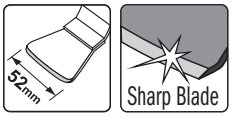
Universal Arbor / Arbor for FEIN® SuperCut FESTOOL® VECTURO®



### RIGID SCRAPER BLADE
52MM - HCS - MULTI-MATERIALS

MULTI-MATERIALS

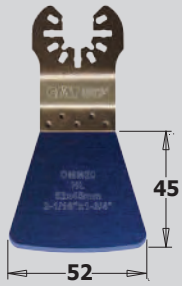
HCS




| PACK Quantity | W mm | I mm | | | ORDER NO. Universal Arbor | ORDER NO. Arbor for FEIN® Supercut |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 52 | 26 | | 10 | OMM19-X1 | OMS19-X1 |
| 5 in Clamshell | 52 | 26 | | 5 | OMM19-X5 | OMS19-X5 |

## OMM20 / OMS20

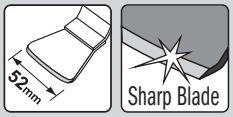
Universal Arbor / Arbor for FEIN® SuperCut FESTOOL® VECTURO®



### FLEXIBLE SCRAPER
52MM - HCS - MULTI-MATERIALS

MULTI-MATERIALS

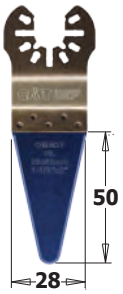
HCS




| PACK Quantity | W mm | I mm | | | ORDER NO. Universal Arbor | ORDER NO. Arbor for FEIN® Supercut |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 52 | 45 | | 10 | OMM20-X1 | OMS20-X1 |
| 5 in Clamshell | 52 | 45 | | 5 | OMM20-X5 | OMS20-X5 |

## OMM21 / OMS21

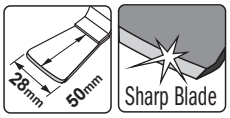
Universal Arbor / Arbor for FEIN® SuperCut FESTOOL® VECTURO®



### SHARP CORNER SCRAPER
28MM - HCS - MULTI-MATERIALS

MULTI-MATERIALS

HCS




| PACK Quantity | W mm | I mm | | | ORDER NO. Universal Arbor | ORDER NO. Arbor for FEIN® Supercut |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 28 | 50 | | 10 | OMM21-X1 | OMS21-X1 |
| 5 in Clamshell | 28 | 50 | | 5 | OMM21-X5 | OMS21-X5 |
| 50 in Bulk Pack | 28 | 50 | | 2 | OMM21-X50 | OMS21-X50 |

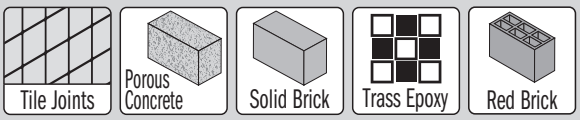
## OMM22 / OMS22

Universal Arbor / Arbor for FEIN® SuperCut FESTOOL® VECTURO®

### RADIAL BLADE - SEGMENTED
87MM - CARBIDE GRIT - MASONRY

MASONRY

CARBIDE GRIT




| PACK Quantity | W mm | K mm | | | ORDER NO. Universal Arbor | ORDER NO. Arbor for FEIN® Supercut |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 87 | 2.2 | | 10 | OMM22-X1 | OMS22-X1 |

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

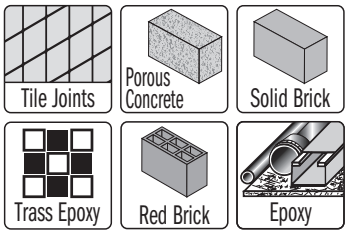
## OMM23
Universal Arbor

## OMS23
Arbor for FEIN® SuperCut FESTOOL® VECTURO®

### RADIAL BLADE - SEGMENTED
87MM - DIAMOND GRIT - MASONRY

MASONRY

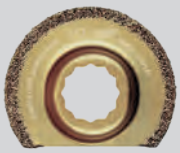
GRIT EXTRA LONG LIFE




| PACK Quantity | W mm | K mm | | | ORDER NO. Universal Arbor | ORDER NO. Arbor for FEIN® Supercut |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 87 | 1.6 | | 10 | OMM23-X1 | OMS23-X1 |
| 25 in Bulk Pack | 87 | 1.6 | | 2 | OMM23-X25 | OMS23-X25 |

## OMM24
Universal Arbor

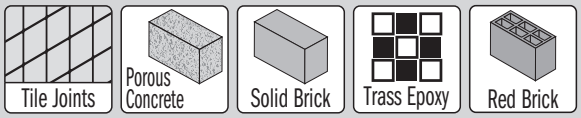
## OMS24
Arbor for FEIN® SuperCut FESTOOL® VECTURO®



### RADIAL BLADE - SEGMENTED
65MM - CARBIDE GRIT - MASONRY

MASONRY

CARBIDE GRIT



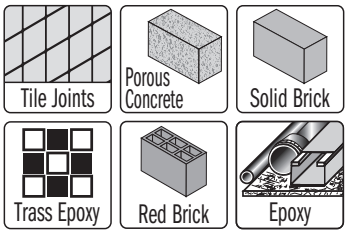

| PACK Quantity | W mm | K mm | | | ORDER NO. Universal Arbor | ORDER NO. Arbor for FEIN® Supercut |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 65 | 1.6 | | 10 | OMM24-X1 | OMS24-X1 |

## OMM27
Universal Arbor

### RADIAL BLADE - SEGMENTED
65MM - DIAMOND GRIT - MASONRY

MASONRY

GRIT EXTRA LONG LIFE



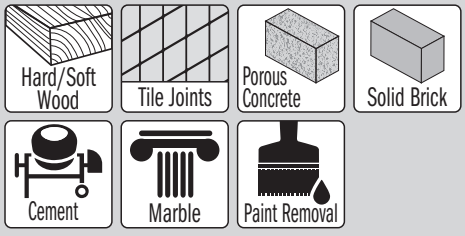

| PACK Quantity | W mm | K mm | | | ORDER NO. Universal Arbor |
|---|---|---|---|---|---|
| 1 in Clamshell | 65 | 2 | | 10 | OMM27-X1 |

## OMM26
Universal Arbor

### FINGERTIP RASP - DOUBLE-SIDED
35MM - CARBIDE GRIT - MASONRY

MASONRY

CARBIDE GRIT

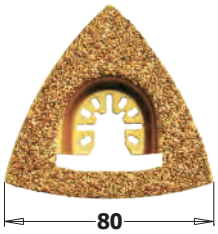



| PACK Quantity | W mm | I mm | | | ORDER NO. Universal Arbor |
|---|---|---|---|---|---|
| 1 in Clamshell | 33 | 35 | | 10 | OMM26-X1 |



® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

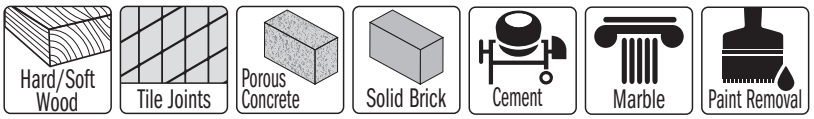
## OMM25
Universal Arbor




### DELTA RASP
80MM - CARBIDE GRIT - MASONRY

MASONRY

CARBIDE GRIT



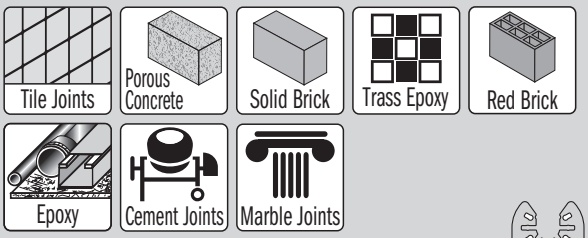

| PACK Quantity | W mm | | | | ORDER NO. Universal Arbor |
|---|---|---|---|---|---|
| 1 in Clamshell | 80 | | | 10 | OMM25-X1 |

## OMM28
Universal Arbor

### SEGMENT
57MM - DIAMOND GRIT - MASONRY

MASONRY

GRIT EXTRA LONG LIFE




| PACK Quantity | W mm | K mm | | | ORDER NO. Universal Arbor |
|---|---|---|---|---|---|
| 1 in Clamshell | 57 | 2 | | 10 | OMM28-X1 |
| 25 in Clamshell | 57 | 2 | | 4 | OMM28-X25 |

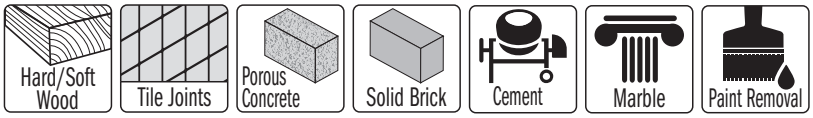
## OMM29
Universal Arbor

## OMS29
Arbor for FEIN® SuperCut FESTOOL® VECTURO®

### GROUT AND MORTAR REMOVER
65MM - CARBIDE GRIT - MASONRY

MASONRY

CARBIDE GRIT




| PACK Quantity | W mm | | | | ORDER NO. Universal Arbor | ORDER NO. Arbor for FEIN® Supercut |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 65 | | | 10 | OMM29-X1 | OMS29-X1 |

## OMM30
Universal Arbor

## OMS30
Arbor for FEIN® SuperCut FESTOOL® VECTURO®

### DELTA SANDING PLATE
93MM - MULTI-MATERIALES

MULTI-MATERIALS

| PACK Quantity | W mm | | | | ORDER NO. Universal Arbor | ORDER NO. Arbor for FEIN® Supercut |
|---|---|---|---|---|---|---|
| 1 in Clamshell | 93 | | | 10 | OMM30-X1 | OMS30-X1 |

SEE PAGE 124

### DELTA POLISHING FLEECE
93MM - MULTI-MATERIALS

OMA30000

OMA30

### DELTA SANDING SHEETS
93MM - WOOD

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

WOOD

WOOD&NAILS

## OMM-X4

Universal Arbor

### 4 PIECE GENERAL PURPOSE SET FOR MULTI-CUTTERS

- 2 blades with Japanese Toothing for cutting wood, chipboard, plasterboard and plastics.
- 2 blades in BIM for cutting wood products, chipboard, plasterboard, fiberglass, epoxy resins, soft plastics, sheet metal, aluminium pipes and profiles. Cuts through embedded nails in wood up to 5mm in diameter as well as porous concrete.

| PACK Quantity | MATERIAL | W mm | I mm | TPI | ORDER NO. |
|---|---|---|---|---|---|
| 1 | HCS | 34 | 40 | 14 | **OMM04-X1** |
| 1 | HCS | 68 | 40 | 14 | **OMM06-X1** |
| 1 | BIM | 34 | 40 | 18 | **OMM12-X1** |
| 1 | BIM | 45 | 48 | 18 | **OMM15-X1** |

8 Sets in End-cap display
*(minimum 8 pieces or multiple)*

## OMM-X33

Universal Arbor

6 SETS BULK PACK

### 33 PIECE GENERAL PURPOSE SET FOR MULTI-CUTTERS

- blades for cutting wood, plastic, plasterboard, sheet metal, profiles and pipes in aluminum and copper.
- scraper to remove carpet adhesive/glue residues as well as paint and silicone residues.
- sanding pad and sanding sheets (60, 100, 180 grit).

| PACK Quantity | W mm | I mm | TPI | GRIT | ORDER NO. |
|---|---|---|---|---|---|
| 1 | 34 | 40 | 18 | | **OMM12-X1** |
| 1 | 52 | 45 | | | **OMM20-X1** |
| 1 | 93 | | | | **OMM30-X1** |
| 10 | 93 | | | 60 | **OMA30060-X10** |
| 10 | 93 | | | 100 | **OMA30100-X10** |
| 10 | 93 | | | 180 | **OMA30180-X10** |

## OMM-X37

Universal Arbor

FRONT

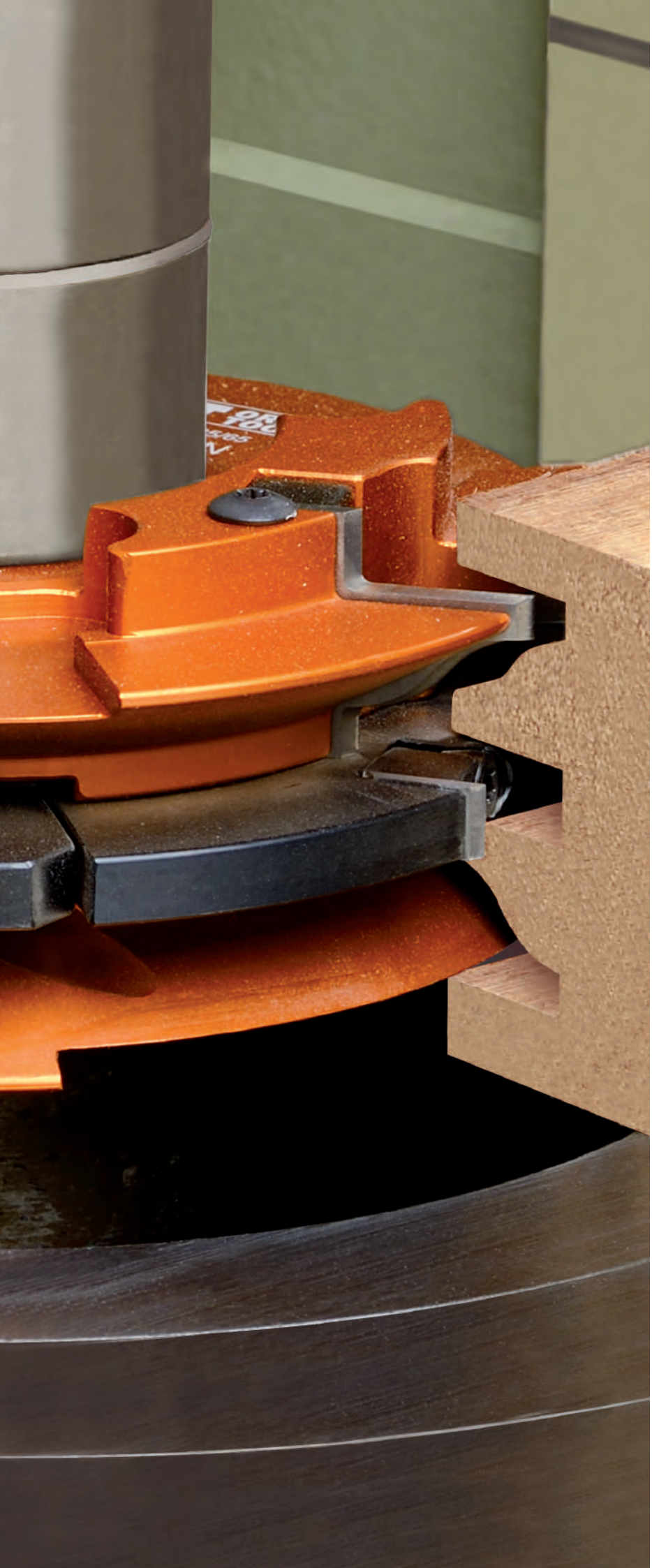
BACK

### 37 PIECE GENERAL PURPOSE SET FOR MULTI-CUTTERS

- blades (in two diameters) for cutting in wood, plastic, plasterboard, sheet metal, profiles and pipes in aluminum and copper.
- segmented blade for cutting wood and metal.
- scraper for removing carpet adhesive/glue residues as well as paint and silicone residues.
- rasp in carbide for grinding/sanding/removal of tiles, plasterboard, cement, wood and construction materials.
- specially designed blade to remove mortar, bonding materials, cement and stone, even in hard to reach corners.
- sanding pad and sanding sheets (60, 100, 180 grit).

| PACK Quantity | W mm | I mm | TPI | GRIT | ORDER NO. |
|---|---|---|---|---|---|
| 1 | 10 | 28 | 18 | | **OMM09-X1** |
| 1 | 34 | 40 | 18 | | **OMM12-X1** |
| 1 | 87 | | 20 | | **OMM17-X1** |
| 1 | 52 | 45 | | | **OMM20-X1** |
| 1 | 80 | | | | **OMM25-X1** |
| 1 | 65 | | | | **OMM29-X1** |
| 1 | 93 | | | 10 | **OMM30-X1** |
| 10 | 93 | | | 60 | **OMA30060-X10** |
| 10 | 93 | | | 100 | **OMA30100-X10** |
| 10 | 93 | | | 180 | **OMA30180-X10** |

4 Sets in End-cap display
*(minimum 4 pieces or multiple)*



# CUTTER HEADS, INSERT KNIVES & SPARE PARTS


| PRODUCTS | PAGE |
|---|---|
| Rabbeting Cutter Heads | 136-137 |
| Adjustable Grooving Set | 138-139 |
| Planing & Jointing Spiral Cutter Heads | 140 |
| Adjustable Rounding & Chamfering Set | 141 |
| Chamfer Cutter Heads | 142-143 |
| Multiradius Roundover Cutter Heads | 144~146 |
| Jointing Cutter Heads | 147~149 |
| Panel Cutter Heads | 150-151 |
| Profile Cutter Heads | 152~154 |
| Cutter Heads with Universal Knives & Sets | 155~157 |
| Profile Knives & Limiters | 158~170 |
| Blank Knives & Limiters | 171 |
| Bore Reducers | 171 |
| HWM Reversible Knives for Portable Planers | 172 |
| HSS Corrugated Back Moulder Knives | 173 |
| Magnetic Knife Setting Jigs | 173 |
| Planer & Jointer Knives | 174-175 |
| HWM Reversible Knives | 176-177 |

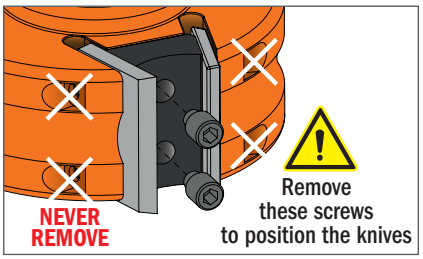

CMT XTREME BALANCING®

# 694.020

These cutter heads have been designed for:
- Rabbeting from either top or bottom.
- Jointing.
- Grooving.
- Profile knives on pages 158~167

**For use on spindle moulder machines, moulder, double-end tenoners and edging machines.**
Suitable for all materials, but best on chipboard, MDF, wood composites, plastic materials and laminates.

## TECHNICAL DETAILS:
- Hard aluminium alloy body with high resistance to tensile and yield stress.
- 2 universal HWM straight knives 40x12x1.5mm [Z2].
- 2 universal HWM scoring knives 14x14x2mm [V2].
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

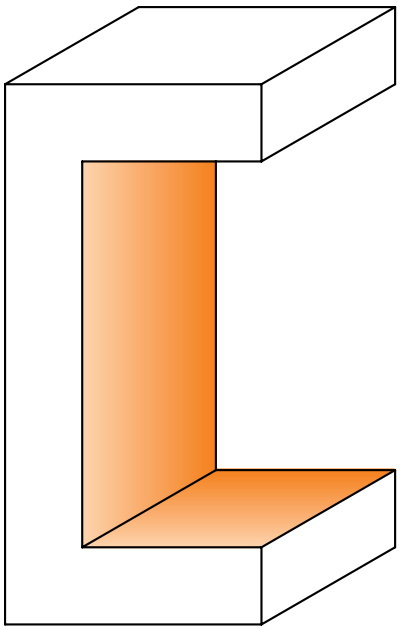


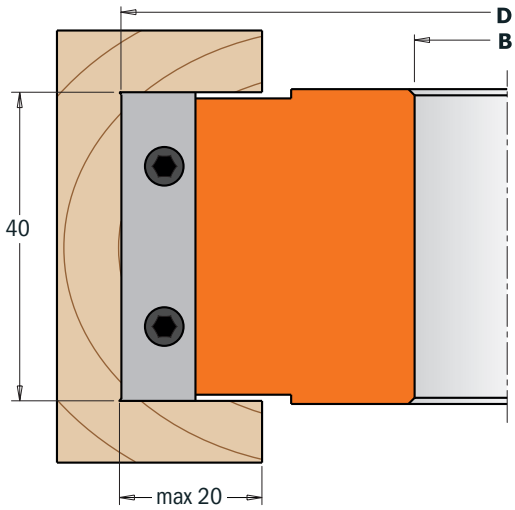

## SAFETY TIPS

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

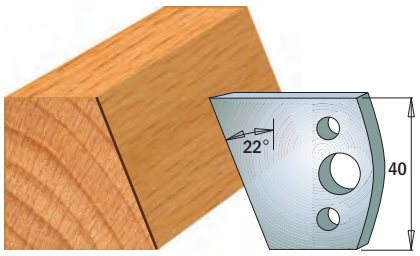
SUPPLIED IN A STURDY PLASTIC CARRY CASE

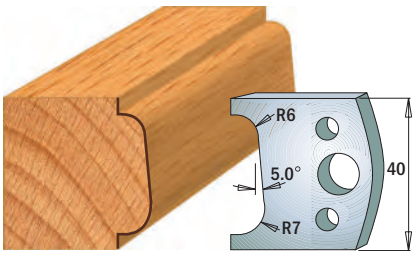
Drawing is 1:1 scale

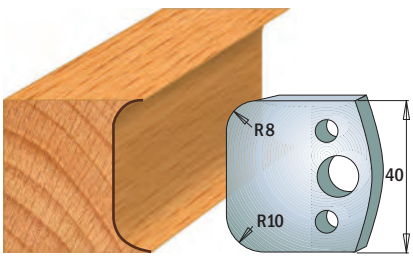





**To use with all 40mm profile knives**
*(refer to pages 158 to 167)*




| D mm | B mm | I mm | Z+V | RPM | | ORDER NO. |
|---|---|---|---|---|---|---|
| 100 | 30 | 40 | 2+2 | 5800~9000 | 1 | **694.020.30** |
| 100 | 31.75 | 40 | 2+2 | 5800~9000 | 1 | **694.020.31** |
| 125 | 35 | 40 | 2+2 | 4800~7400 | 1 | **694.020.35** |
| 125 | 40 | 40 | 2+2 | 4800~7400 | 1 | **694.020.40** |
| 125 | 50 | 40 | 2+2 | 4800~7400 | 1 | **694.020.50** |

*Spare parts:* **691.192** Pair of limiters 38mm
**695.020.01** Indexable knife edge block 38x4x15mm

| *Spare parts* | | | | | | |
|---|---|---|---|---|---|---|
| 790.140.00* | 990.093.00 | 991.073.00 | 790.400.00* | 693.999.01 | 990.065.00 | 991.064.00 |
| 790.140.00* | 990.093.00 | 991.073.00 | 790.400.00* | 693.999.01 | 990.065.00 | 991.064.00 |
| 790.140.00* | 990.093.00 | 991.073.00 | 790.400.00* | 693.999.01 | 990.065.00 | 991.064.00 |
| 790.140.00* | 990.093.00 | 991.073.00 | 790.400.00* | 693.999.01 | 990.065.00 | 991.064.00 |
| 790.140.00* | 990.093.00 | 991.073.00 | 790.400.00* | 693.999.01 | 990.065.00 | 991.064.00 |

*Minimum 10 pieces or multiple

# 694.100

These cutter heads have been designed for:
- Rabbeting from either top or bottom.
- Jointing.
- Grooving.

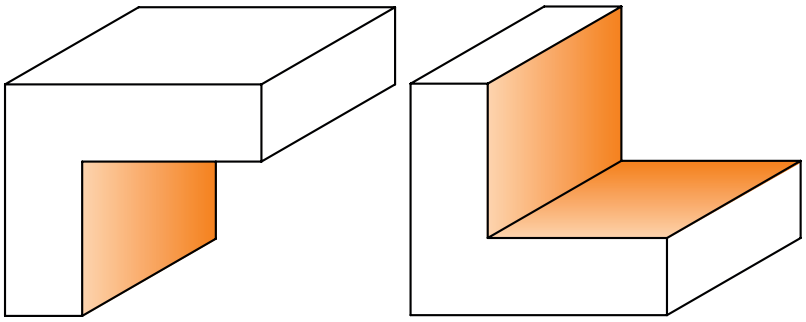
**For use on spindle moulder machines, double-end tenoner and edging machines.**
Suitable for all materials, but best on chipboard, MDF, wood composites, plastic materials and laminates. Improved design with shear angle.

## TECHNICAL DETAILS:

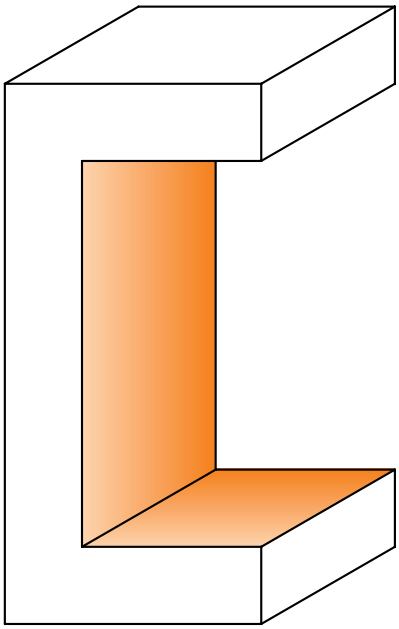
- Hard aluminium alloy body with high resistance to tensile and yield stress.
- 2 universal HWM straight knives 50x12x1.5mm [Z2], 1 up cut - 1 down cut.
- 4 universal HWM scoring knives 14x14x2mm [V4].
- Tools for manual feed (MAN).
- Pins for automatic positioning of the knives.

## SAFETY TIPS

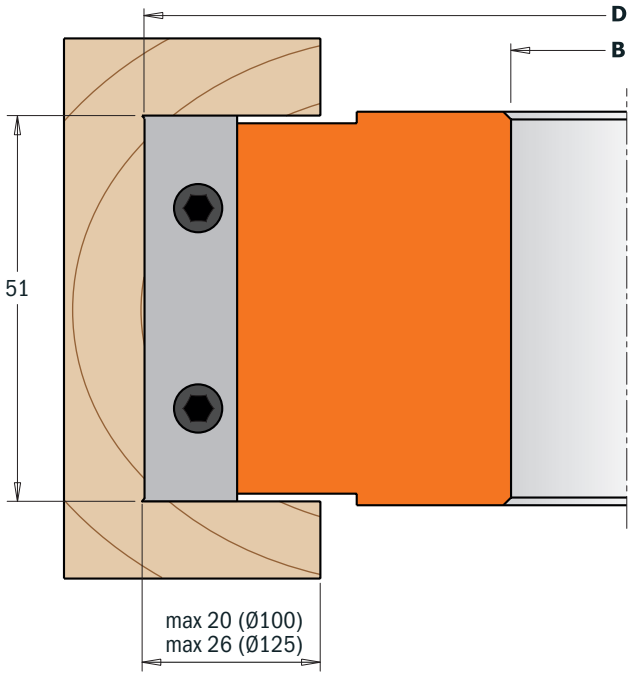
The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).



SUPPLIED IN A STURDY PLASTIC CARRY CASE



Drawing is 1:1 scale




| D mm | B mm | I mm | Z+V | RPM | | ORDER NO. |
|---|---|---|---|---|---|---|
| 100 | 19.05 | 51 | 2+4 | 7500~12500 | 1 | **694.100.19** |
| 100 | 30 | 51 | 2+4 | 7500~12500 | 1 | **694.100.30** |
| 100 | 31.75 | 51 | 2+4 | 7500~12500 | 1 | **694.100.31** |
| 100 | 35 | 51 | 2+4 | 7500~12500 | 1 | **694.100.35** |
| 125 | 40 | 51 | 2+4 | 6100~10000 | 1 | **694.125.40** |
| 125 | 50 | 51 | 2+4 | 6100~10000 | 1 | **694.125.50** |

*Spare parts*

| | | | | | | |
|---|---|---|---|---|---|---|
| 790.140.00* | 990.093.00 | 991.073.00 | 790.500.00* | 695.999.46 | 990.064.00 | 991.064.00 |
| 790.140.00* | 990.093.00 | 991.073.00 | 790.500.00* | 695.999.46 | 990.064.00 | 991.064.00 |
| 790.140.00* | 990.093.00 | 991.073.00 | 790.500.00* | 695.999.46 | 990.064.00 | 991.064.00 |
| 790.140.00* | 990.093.00 | 991.073.00 | 790.500.00* | 695.999.46 | 990.064.00 | 991.064.00 |
| 790.140.00* | 990.093.00 | 991.073.00 | 790.500.00* | 695.999.46 | 990.064.00 | 991.064.00 |
| 790.140.00* | 990.093.00 | 991.073.00 | 790.500.00* | 695.999.46 | 990.064.00 | 991.064.00 |

*Minimum 10 pieces or multiple

# 694.001

These cutter heads are the ideal tools to create precision slots and grooves 4-15mm in depth.
These sets include:
- 2 cutter heads type **(A)** [Z4 + V4].
- 1 cutter head type **(B)** [Z2].
- 12 spacer rings from 0.1 to 2mm.

**For use on spindle moulder machines, moulder, double-end tenoner and edging machines.**
Perfect grooving on all materials, but ideal on hardwood, plywood and laminated panels.

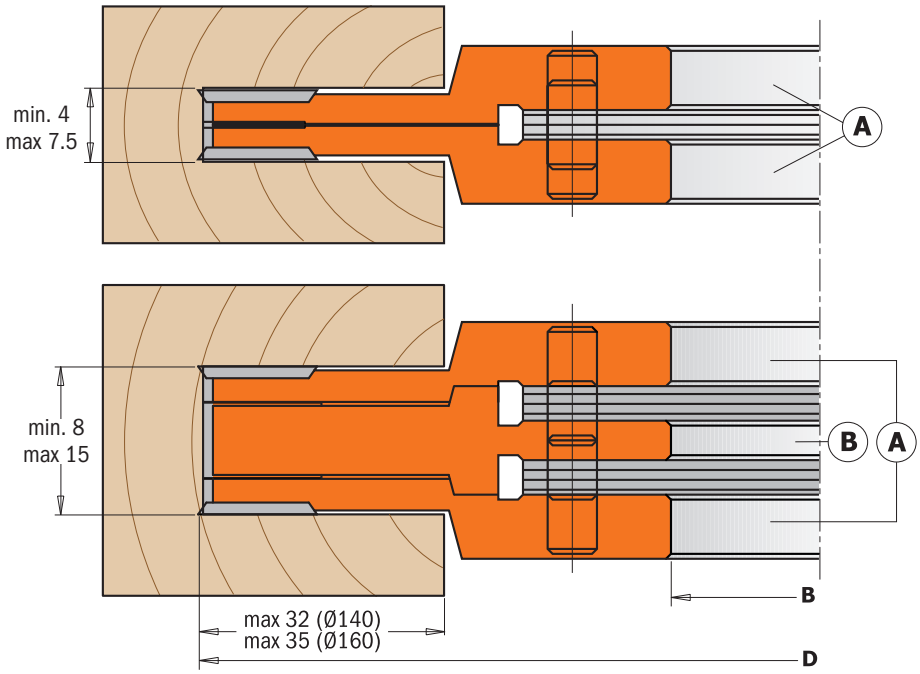
**SAFETY TIPS**

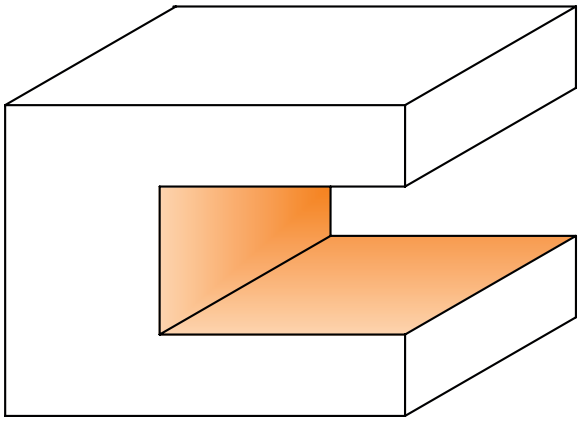
The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

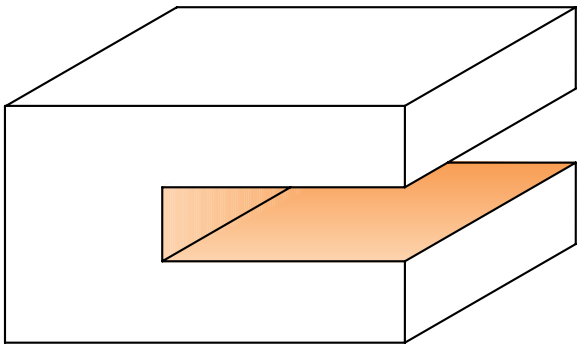
## TECHNICAL DETAILS:

- Strength steel body.
- 2 HWM Knives 7.65x12x1.5mm [Z2].
- 4 HWM Knives 18x18x1.95mm [Z4].
- 4 HWM Knives 14x14x1.2mm [V4].
- Tools for manual feed (MAN).
- Pins for automatic positioning of the knives.

**SUPPLIED IN A STURDY PLASTIC CARRY CASE**





Drawing is 1:1 scale

| D mm | B mm | Z+V | RPM | | ORDER NO. |
|---|---|---|---|---|---|
| 140 | 30 | 4+4 | 5500~9500 | 1 | **694.001.30** |
| 140 | 31.75 | 4+4 | 5500~9500 | 1 | **694.001.31** |
| 140 | 35 | 4+4 | 5500~9500 | 1 | **694.001.35** |
| 160 | 40 | 4+4 | 4800~8300 | 1 | **694.001.40** |
| 160 | 50 | 4+4 | 4800~8300 | 1 | **694.001.50** |

*Spare parts*

| | | | |
|---|---|---|---|
| 790.181.00* | 790.140.10* | 790.076.00* | 695.998.21 |
| 790.181.00* | 790.140.10* | 790.076.00* | 695.998.22 |
| 790.181.00* | 790.140.10* | 790.076.00* | 695.998.23 |
| 790.181.00* | 790.140.10* | 790.076.00* | 695.998.24 |
| 790.181.00* | 790.140.10* | 790.076.00* | 695.998.25 |

*Spare parts:* **FOR CUTTER HEADS (A)**
**990.079.00** M4x3.2mm TORX® screws
**991.069.00** T9 TORX® key
**695.996.02** M4 (Ø12x1.7mm) threaded ring
**695.996.01** M4 (Ø10x1.6mm) threaded ring

**FOR CUTTER HEADS (B)**
**695.999.07** 7x11x9.5mm wedge for knives
**990.063.00** M5x18mm screw
**991.072.00** T20 TORX® key

*Minimum 10 pieces or multiple



® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

# 694.021 - 694.022

INSERT CARBIDE | MAN | Z4 | V4

These cutter heads are the perfect tools to create precision slots and grooves 14-39mm in depth.
This set includes:
- 1 cutter head type **(A)** [Z2 + V2]
- 1 cutter head type **(B)** [Z2 + V2]
- set of spacer rings.

**For use on spindle moulder machines, moulders, double-end tenoners and edging machines.** Perfect grooving on all materials, but ideal on hard wood, plywood and laminated panels.

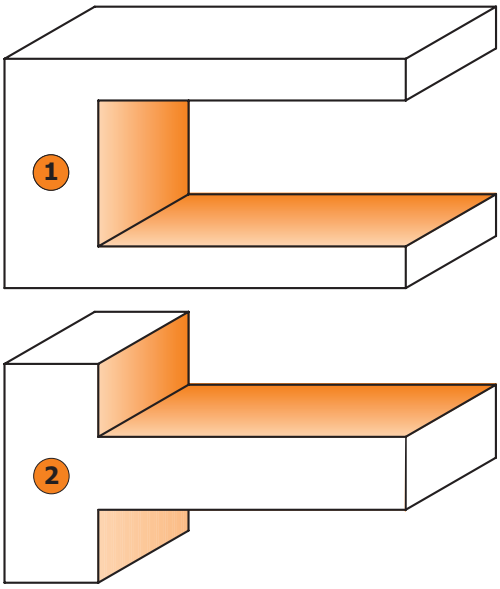
SUPPLIED IN A STURDY PLASTIC CARRY CASE

## TECHNICAL DETAILS:

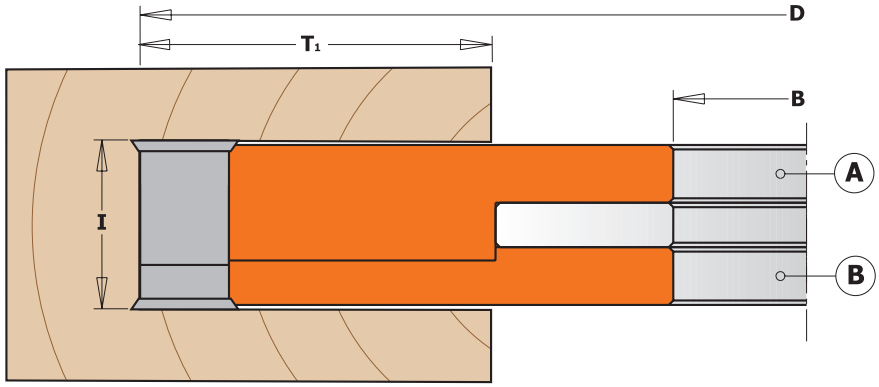
- Strength hard aluminium alloy body.
- 694.021: 8 HWM knives 13.6x13.6x2mm.
- 694.022: 4 HWM knives 19.5x12x1.5mm.
  4 HWM knives 14x14x2mm.
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

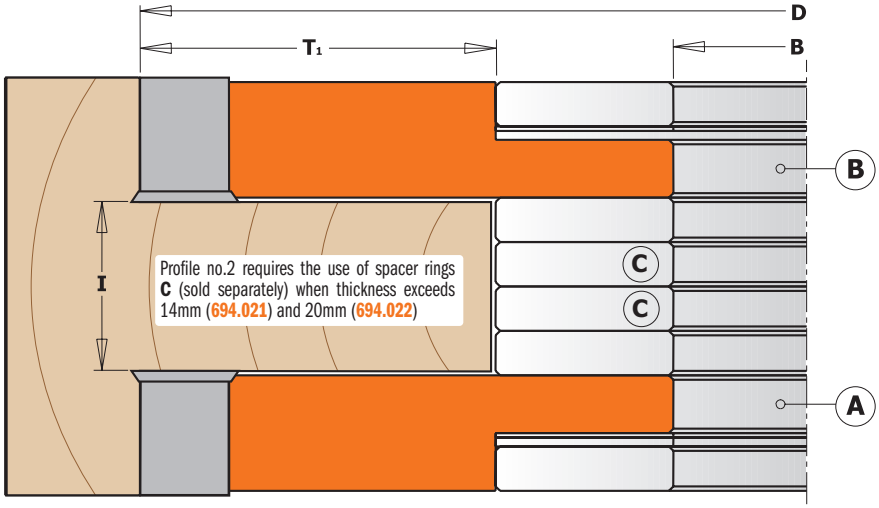
## SAFETY TIPS

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).



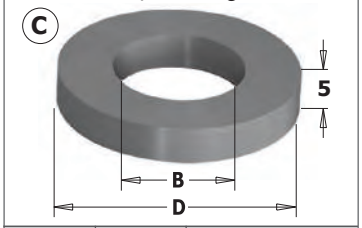

Drawing is 1:1 scale




Profile no.2 requires the use of spacer rings **C** (sold separately) when thickness exceeds 14mm (694.021) and 20mm (694.022)

## 299 Spacer Rings *(Optional)*




| B mm | D mm | ORDER NO. |
|---|---|---|
| 30 | 60 | **299.560.30** |
| 31.75 | 60 | **299.560.31** |
| 35 | 60 | **299.560.35** |
| 40 | 60 | **299.560.40** |
| 50 | 70 | **299.570.50** |

| D mm | I mm | B mm | T1 mm | Z+V | RPM | | ORDER NO. | Spare parts | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 150 | 14-27 | 30 | 44 | 4+4 | 5000~8000 | 1 | **694.021.30** | 790.136.00* | 990.093.00 | | | 695.998.41 |
| 150 | 14-27 | 31.75 | 44 | 4+4 | 5000~8000 | 1 | **694.021.31** | 790.136.00* | 990.093.00 | | | 695.998.42 |
| 150 | 14-27 | 35 | 44 | 4+4 | 5000~8000 | 1 | **694.021.35** | 790.136.00* | 990.093.00 | | | 695.998.43 |
| 150 | 14-27 | 40 | 44 | 4+4 | 5000~8000 | 1 | **694.021.40** | 790.136.00* | 990.093.00 | | | 695.998.44 |
| 160 | 14-27 | 50 | 44 | 4+4 | 5000~8000 | 1 | **694.021.50** | 790.136.00* | 990.093.00 | | | 695.998.45 |
| | | | | | | | | | | | | |
| 170 | 20-39 | 30 | 54 | 4+4 | 4400~7400 | 1 | **694.022.30** | 790.140.00* | 990.093.00 | 790.195.12* | 990.094.00 | 695.998.46 |
| 170 | 20-39 | 31.75 | 54 | 4+4 | 4400~7400 | 1 | **694.022.31** | 790.140.00* | 990.093.00 | 790.195.12* | 990.094.00 | 695.998.47 |
| 170 | 20-39 | 35 | 54 | 4+4 | 4400~7400 | 1 | **694.022.35** | 790.140.00* | 990.093.00 | 790.195.12* | 990.094.00 | 695.998.48 |
| 170 | 20-39 | 40 | 54 | 4+4 | 4400~7400 | 1 | **694.022.40** | 790.140.00* | 990.093.00 | 790.195.12* | 990.094.00 | 695.998.49 |
| 170 | 20-39 | 50 | 49 | 4+4 | 4400~7400 | 1 | **694.022.50** | 790.140.00* | 990.093.00 | 790.195.12* | 990.094.00 | 695.998.50 |

*Spare parts:* **991.072.00** T20 TORX® key
**991.073.00** T25 TORX® key

*Minimum 10 pieces or multiple

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

# 694.019

INSERT CARBIDE | MAN | Z12

These new cutter heads have been designed for planing and jointing soft or solid wood panels on spindle moulder machines. Ideal for routing curved elements with the aid of a bearing guide (sold separately) and a guide fence.

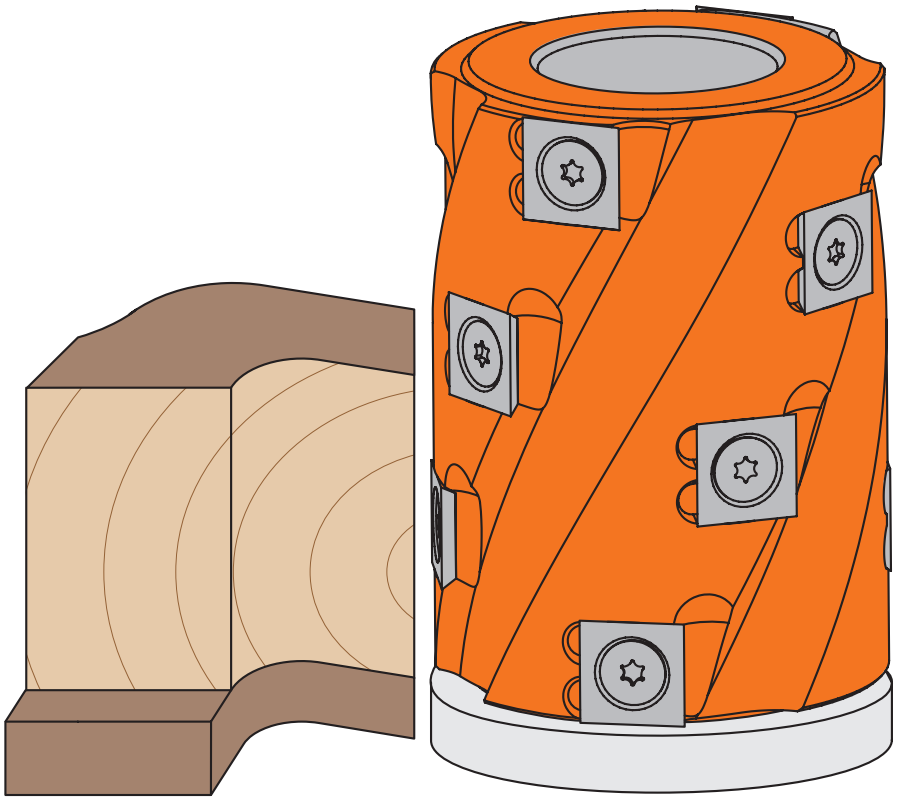
## TECHNICAL DETAILS:

- Hard aluminium alloy body with high resistance to tensile and yield stress.
- 12 HWM Knives 14x14x2mm [Z2] with 4 spiral indexing.
- Tools for manual feed (MAN).

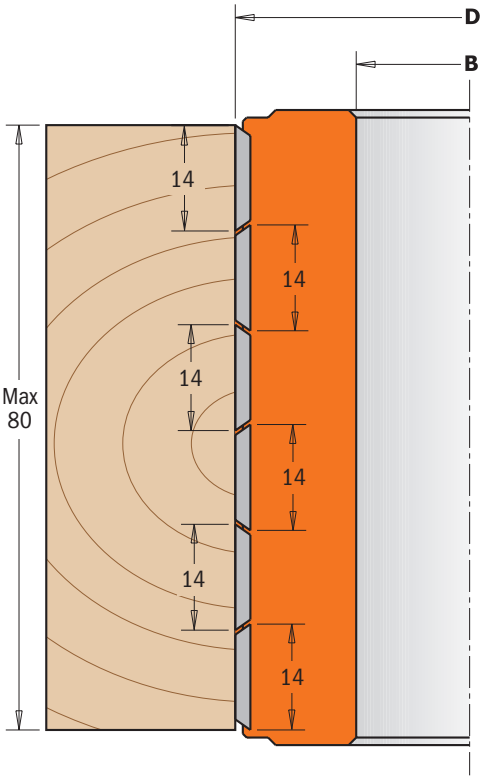
***Supplied in a sturdy plastic twistpack.***

## SAFETY TIPS

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).



*Optional bearing*




| D mm | I mm | B mm | Z | RPM | | ORDER NO. |
|---|---|---|---|---|---|---|
| 62 | 80 | 30 | 12 | 8000~12000 | 1 | **694.019.30** |
| 62 | 80 | 35 | 12 | 8000~12000 | 1 | **694.019.35** |
| 80 | 80 | 40 | 12 | 8000~12000 | 1 | **694.019.40** |
| 80 | 80 | 50 | 12 | 8000~12000 | 1 | **694.019.50** |

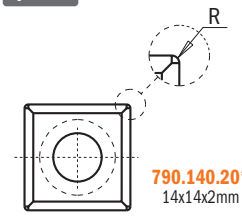
*Spare parts*

| | | |
|---|---|---|
| 790.140.00* | 990.093.00 | 991.073.00 |
| 790.140.00* | 990.093.00 | 991.073.00 |
| 790.140.00* | 990.093.00 | 991.073.00 |
| 790.140.00* | 990.093.00 | 991.073.00 |

*Minimum 10 pieces or multiple

***Optional:*** **791.051.00** 30x62x16mm bearing
**791.052.00** 35x62x14mm bearing
**791.054.00** 40x80x18mm bearing
**791.053.00** 50x80x16mm bearing

***Optional***




**790.140.20***
14x14x2mm

**NOTE:** Ideal for working curved elements together with the appropriate bearing (sold separately) and a guide fence.
In order to achieve an extra-fine finish, order the optional knife **790.140.20***

SUPPLIED IN A STURDY PLASTIC CARRY CASE

# 694.005

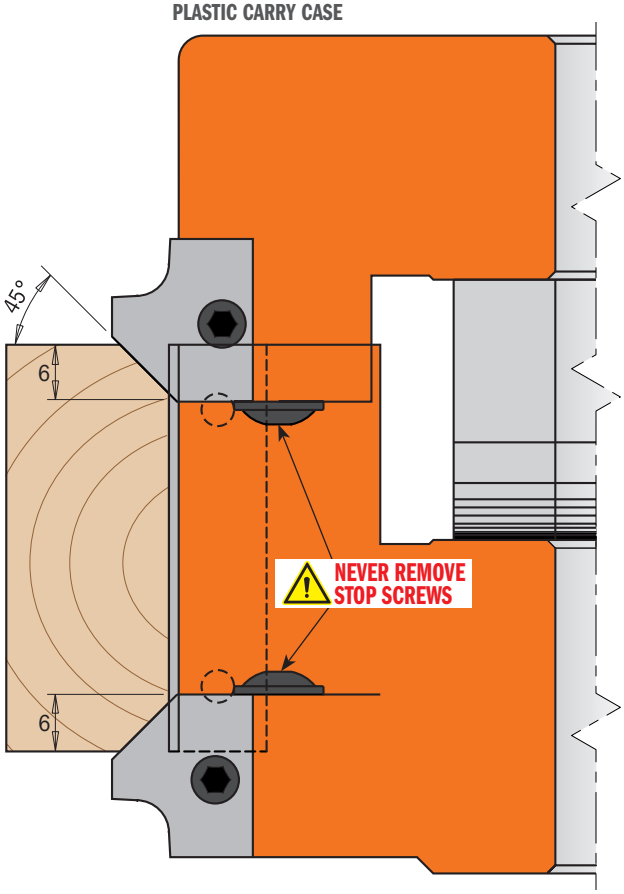
The CMT adjustable rounding and chamfering set consists of two pieces for easy to set up on your splindle moulder machine. Includes five different knives for rounding over top and bottom edges in one single pass with a radius of 2,3,4,5 or 6mm and for 45° chamfering on material 18mm to 50mm in thickness. The improved design with shear angle guarantees perfect finishing!
**For use on spindle moulder machines.**

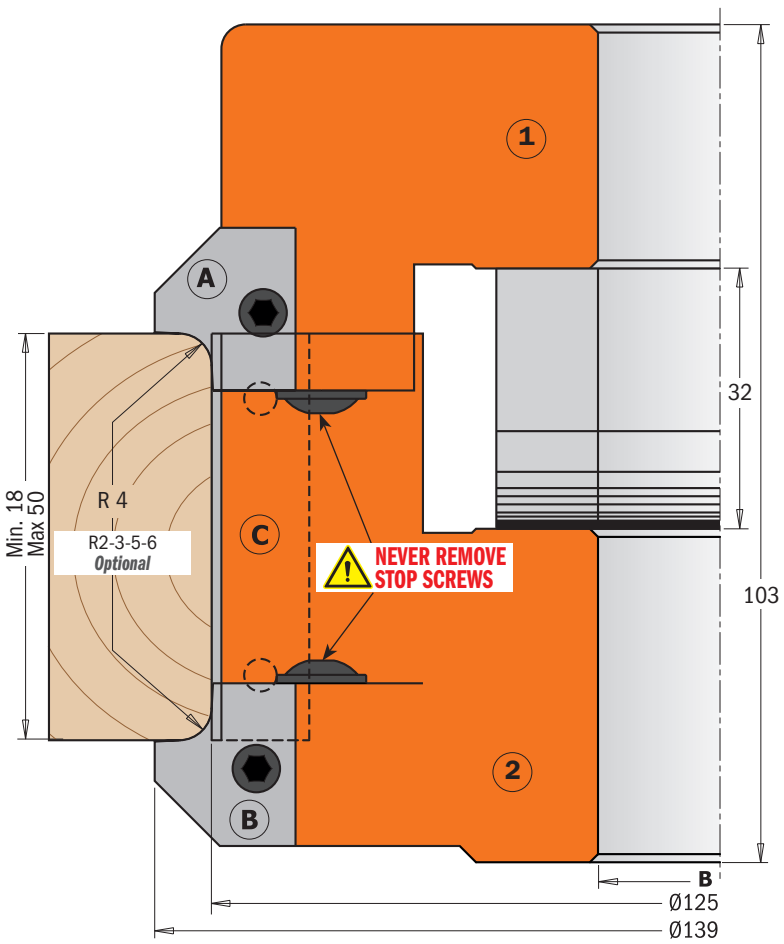
## TECHNICAL DETAILS:

- Hard aluminium alloy body with high resistance to tensile and yield stress.
- One pair of HWM top knives **(A)** radius 4mm and 45° chamfer (20x20,5x2mm) [Z2].
- One pair of HWM bottom knives **(B)** radius 4mm and 45° chamfer (20x20.5x2mm) [Z2].
- 2 HWM knives 50x12x1.5mm.
- Set of 21 spacer rings from 0.1 to 3mm.
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

## SAFETY TIPS

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).




| D mm | B mm | Z | RPM | | ORDER NO. |
|---|---|---|---|---|---|
| 139 | 30 | 2+2 | 5500~9400 | 1 | **694.005.30** |
| 139 | 31.75 | 2+2 | 5500~9400 | 1 | **694.005.31** |
| 139 | 35 | 2+2 | 5500~9400 | 1 | **694.005.35** |
| 139 | 40 | 2+2 | 5500~9400 | 1 | **694.005.40** |
| 139 | 50 | 2+2 | 5500~9400 | 1 | **694.005.50** |

*Spare parts*

| 17x11x9.5mm | 46x11x9.5mm | | |
|---|---|---|---|
| 695.999.17 | 695.999.46 | 990.064.00 | 695.998.11 |
| 695.999.17 | 695.999.46 | 990.064.00 | 695.998.12 |
| 695.999.17 | 695.999.46 | 990.064.00 | 695.998.13 |
| 695.999.17 | 695.999.46 | 990.064.00 | 695.998.14 |
| 695.999.17 | 695.999.46 | 990.064.00 | 695.998.15 |

*Spare parts:*
**695.005.A4** R=4+45° pair of knives for roundover/chamfer (top)
**695.005.B4** R=4+45° pair of knives for roundover/chamfer (bottom)
**790.500.00** 50x12x1.5mm knives
**991.064.00** 4mm hex key
**991.067.00** 3mm hex key

*Optional:*
**695.005.A2** R=2+45° pair of knives for roundover/chamfer (top)
**695.005.A3** R=3+45° pair of knives for roundover/chamfer (top)
**695.005.A5** R=5+45° pair of knives for roundover/chamfer (top)
**695.005.A6** R=6+45° pair of knives for roundover/chamfer (top)
**695.005.B2** R=2+45° pair of knives for roundover/chamfer (bottom)
**695.005.B3** R=3+45° pair of knives for roundover/chamfer (bottom)
**695.005.B5** R=5+45° pair of knives for roundover/chamfer (bottom)
**695.005.B6** R=6+45° pair of knives for roundover/chamfer (bottom)

SUPPLIED IN A STURDY PLASTIC CARRY CASE

# 694.002

INSERT CARBIDE | MAN | Z2

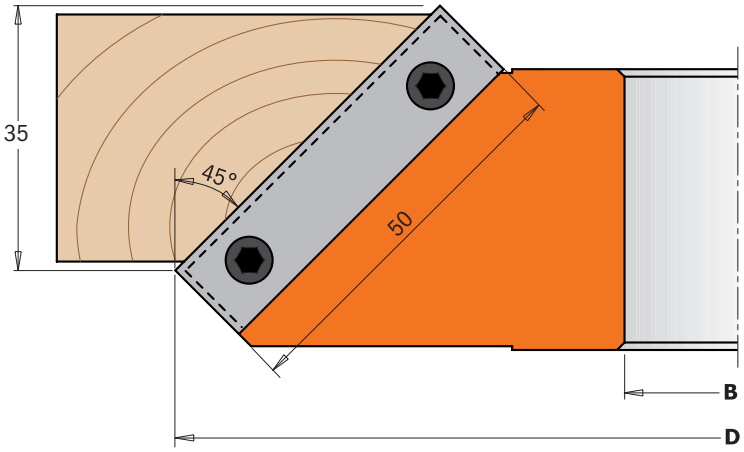
CMT chamfer cutter heads carry out clean accurate bevels and joints for excellent edge work.
**For use on spindle moulder machines, moulder, double-end tenoners, edge banding machines.**
Suitable for all materials, but ideal on hardwood, plywood and laminated panels.

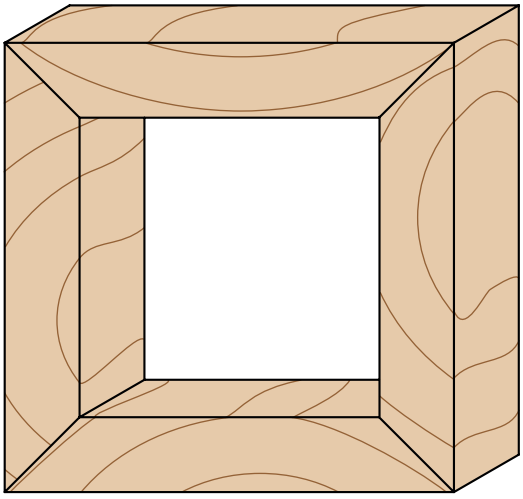
## TECHNICAL DETAILS:

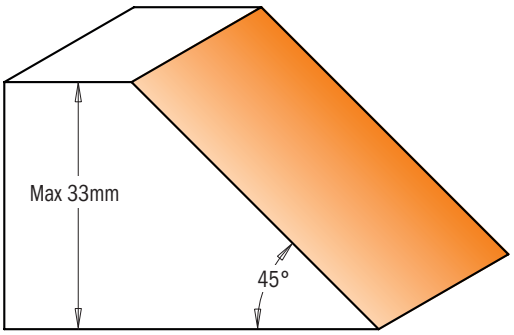
- Hard aluminium alloy body with high resistance to tensile and yield stress.
- 2 HWM Knives 50x12x1.5mm [Z2].
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

## SAFETY TIPS

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).






Drawing is 1:1 scale

| D mm | B mm | Z | RPM | | ORDER NO. |
|---|---|---|---|---|---|
| 150 | 30 | 2 | 5100~8800 | 1 | **694.002.30** |
| 150 | 31.75 | 2 | 5100~8800 | 1 | **694.002.31** |
| 150 | 35 | 2 | 5100~8800 | 1 | **694.002.35** |
| 150 | 40 | 2 | 5100~8800 | 1 | **694.002.40** |
| 160 | 50 | 2 | 5100~8800 | 1 | **694.002.50** |

*Spare parts*

| | | | |
|---|---|---|---|
| 790.500.00* | 695.999.42 | 990.064.00 | 991.064.00 |
| 790.500.00* | 695.999.42 | 990.064.00 | 991.064.00 |
| 790.500.00* | 695.999.42 | 990.064.00 | 991.064.00 |
| 790.500.00* | 695.999.42 | 990.064.00 | 991.064.00 |
| 790.500.00* | 695.999.42 | 990.064.00 | 991.064.00 |

*Minimum 10 pieces or multiple

# Adjustable Chamfer Cutter Heads ±45°

## 694.018

This adjustible chamfer cutter head carries out very precise cuts on solid boards.
**For use on spindle moulding machines, moulder, double-end tenoners and edging machines.**

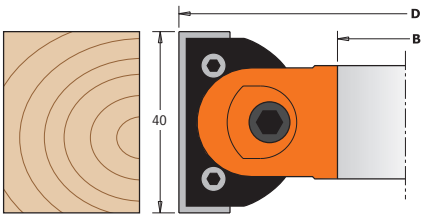
### TECHNICAL DETAILS:

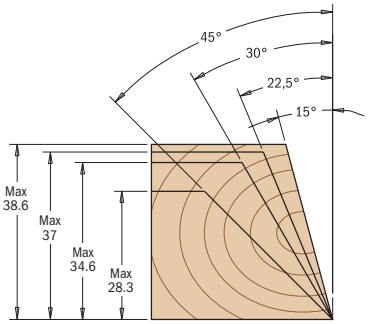
- Tool body made from high strength aluminum alloy extremely resistant to tensile and yield stress.
- Manual feed tool (MAN).
- 2 HWM knives 40x12x1.5mm [Z2].
- Adjustable swivelling blades.
- Range: ± 45° (Rotates at 7.5° intervals; Precision=7.5°).

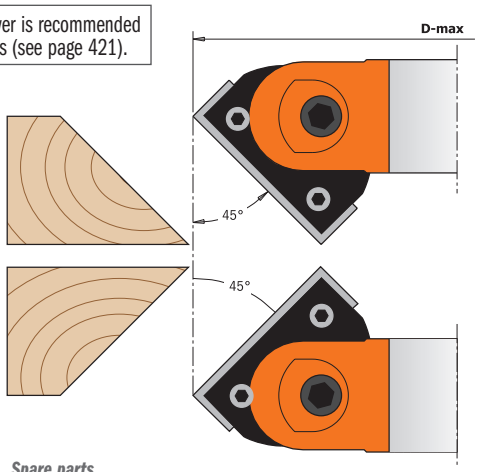
SUPPLIED IN A STURDY PLASTIC CARRY CASE

### SAFETY TIPS

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).




| D mm | I mm | B mm | Z | D_Max 45° mm | RPM | | ORDER NO. |
|---|---|---|---|---|---|---|---|
| 120 | 40 | 30 | 2 | 140 | 6400~8500 | 1 | **694.018.30** |
| 120 | 40 | 35 | 2 | 140 | 6400~8500 | 1 | **694.018.35** |
| 145 | 40 | 40 | 2 | 165 | 5900~7400 | 1 | **694.018.40** |
| 145 | 40 | 50 | 2 | 165 | 5900~7400 | 1 | **694.018.50** |

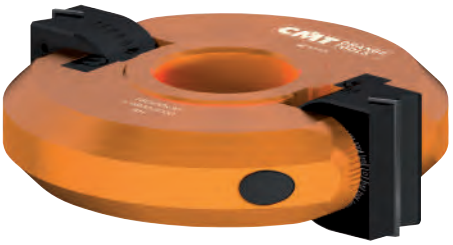
*Spare parts*

| | | | |
|---|---|---|---|
| 695.018.01 | 790.400.00* | 990.094.00 | 991.072.00 |
| 695.018.01 | 790.400.00* | 990.094.00 | 991.072.00 |
| 695.018.01 | 790.400.00* | 990.094.00 | 991.072.00 |
| 695.018.01 | 790.400.00* | 990.094.00 | 991.072.00 |

***Spare parts:*** **991.065.00** 5mm hex key

*Minimum 10 pieces or multiple

# Professional Adjustable Chamfer Cutter Heads ±90°



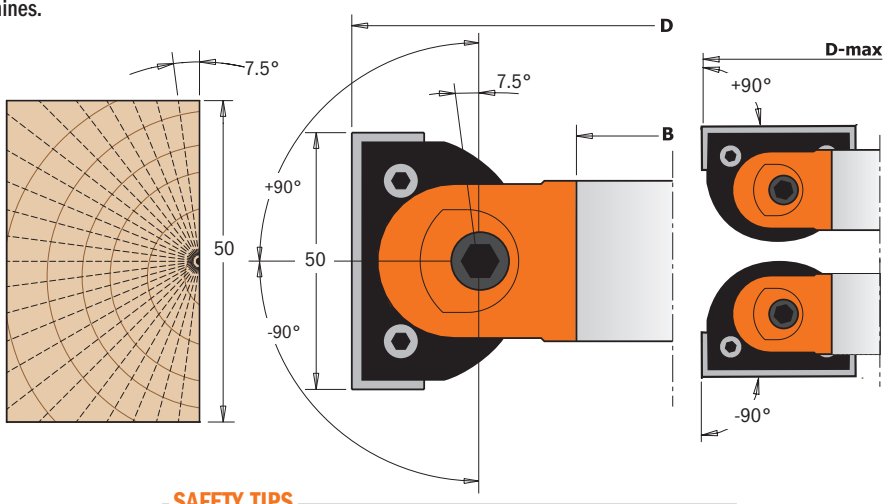
## 694.017

These new professional adjustable chamfer cutter heads carry out precise cuts, accurate bevels and joint work on solid wooden boards. **For use on spindle moulder machines, moulder, double-end tenoner and edging machines.**

### TECHNICAL DETAILS:

- Tool body made from high strength aluminum alloy extremely resistant to tensile and yield stress.
- Manual feed tool (MAN).
- 2 HWM knives 50x12x1.5mm [Z2].
- Adjustable swivelling blades.
- Range ± 90° (Rotates at 7.5° intervals; Precision=7.5°).

SUPPLIED IN A STURDY PLASTIC CARRY CASE




### SAFETY TIPS

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

| D mm | I mm | B mm | Z | D_Max 45° mm | RPM | | ORDER NO. |
|---|---|---|---|---|---|---|---|
| 160 | 50 | 30 | 2 | 183 | 4800~6000 | 1 | **694.017.30** |
| 160 | 50 | 35 | 2 | 183 | 4800~6000 | 1 | **694.017.35** |
| 160 | 50 | 50 | 2 | 183 | 4800~6000 | 1 | **694.017.50** |

*Spare parts*

| | | | | |
|---|---|---|---|---|
| 695.017.01 | 790.500.00* | 695.999.48 | 990.106.00 | 991.067.00 |
| 695.017.01 | 790.500.00* | 695.999.48 | 990.106.00 | 991.067.00 |
| 695.017.01 | 790.500.00* | 695.999.48 | 990.106.00 | 991.067.00 |

***Spare parts:*** **991.084.00** 4x100x145mm hex key

*Minimum 10 pieces or multiple

# 694.003

Innovative cutter heads featuring three different knives for making six radius roundover profiles. Standard cutter heads are sold with knives featuring 5 and 10mm radii; two more knife sets are available for making 4-8mm and 3-6mm radii. **For use on spindle moulder machines, moulder machines and shaping machines.** Suitable for all materials, but ideal on hard wood and panels.

## TECHNICAL DETAILS:

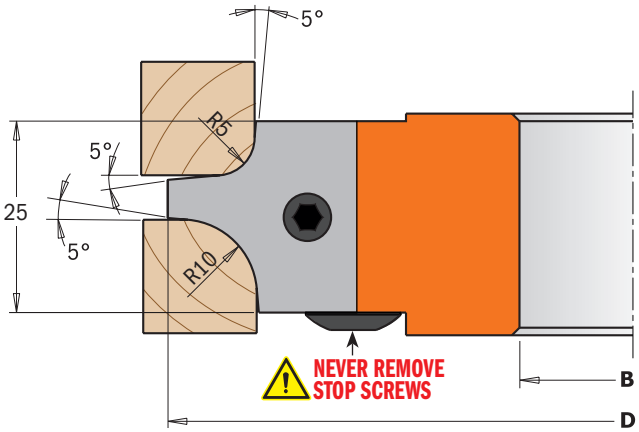
- Hard aluminium alloy body with high resistance to tensile and yield stress.
- 2 HWM knives radius 5/10mm (25x24.8x2mm) [Z2].
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

## SAFETY TIPS

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

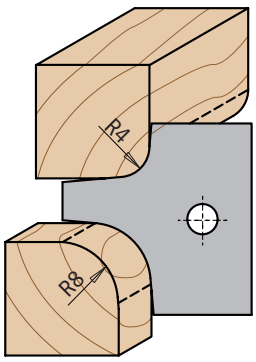
## Standard

Pair of knives **695.003.05**

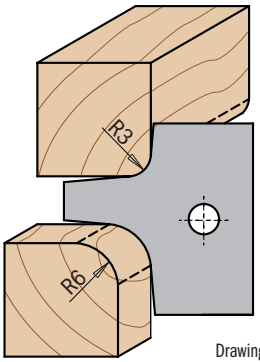


SUPPLIED IN A STURDY PLASTIC CARRY CASE

## Optional




Pair of knives **695.003.04**




Drawing is 1:1 scale

Pair of knives **695.003.03**

| D mm | B mm | Z | RPM | | ORDER NO. |
|---|---|---|---|---|---|
| 113 | 30 | 2 | 6700~11000 | 1 | **694.003.30** |
| 113 | 31.75 | 2 | 6700~11000 | 1 | **694.003.31** |
| 113 | 35 | 2 | 6700~11000 | 1 | **694.003.35** |
| 128 | 40 | 2 | 5900~9700 | 1 | **694.003.40** |
| 128 | 50 | 2 | 5900~9700 | 1 | **694.003.50** |

*Optional:* **695.003.04** R=4/8mm (25x24.8x2mm) pair of profiled knives
**695.003.03** R=3/6mm (25x24.8x2mm) pair of profiled knives

*Spare parts*

| x2 | | | |
|---|---|---|---|
| 695.003.05 | 695.999.22 | 990.064.00 | 991.064.00 |
| 695.003.05 | 695.999.22 | 990.064.00 | 991.064.00 |
| 695.003.05 | 695.999.22 | 990.064.00 | 991.064.00 |
| 695.003.05 | 695.999.22 | 990.064.00 | 991.064.00 |
| 695.003.05 | 695.999.22 | 990.064.00 | 991.064.00 |

# 694.004

Innovative cutter heads supporting two different knives for making four radius roundover profiles. Standard cutter heads are sold with knives featuring 15 and 20mm radii; an additional knife set is available for 12-18mm radii. **For use on spindle moulder machines, moulder and shaping machines.** Suitable for all materials, but ideal on hard wood and wood panels.

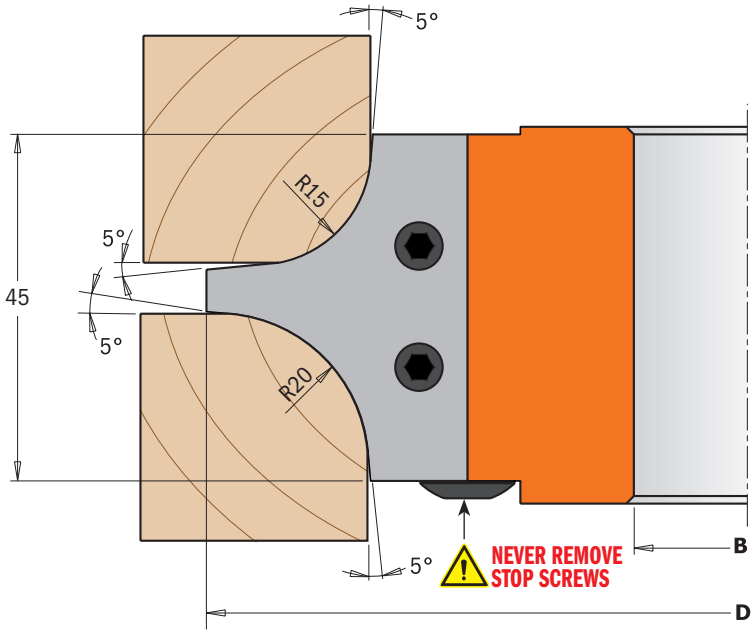
## TECHNICAL DETAILS:

- Hard aluminium alloy body with high resistance to tensile and yield stress.
- 2 HWM knives radius 15/20mm (45x34.5x2mm) [Z2].
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

## SAFETY TIPS

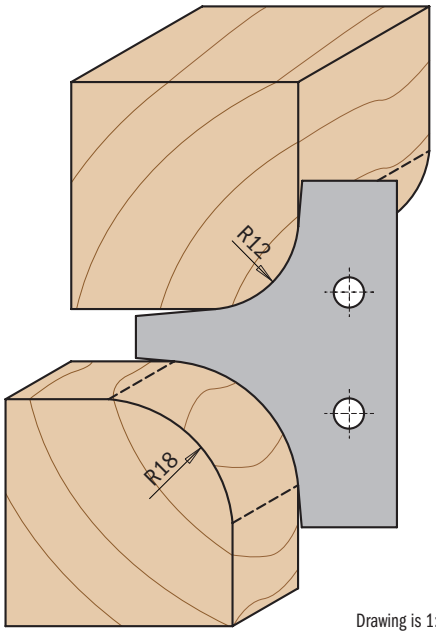
The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

**Standard** — Pair of knives **695.004.15**



SUPPLIED IN A STURDY PLASTIC CARRY CASE

**Optional**




Drawing is 1:1 scale

Pair of knives **695.004.12**

| D mm | B mm | Z | RPM | | ORDER NO. |
|---|---|---|---|---|---|
| 132 | 30 | 2 | 5700~9500 | 1 | **694.004.30** |
| 132 | 31.75 | 2 | 5700~9500 | 1 | **694.004.31** |
| 132 | 35 | 2 | 5700~9500 | 1 | **694.004.35** |
| 147 | 40 | 2 | 5100~8500 | 1 | **694.004.40** |
| 147 | 50 | 2 | 5100~8500 | 1 | **694.004.50** |

*Spare parts*

| x2 | | | |
|---|---|---|---|
| 695.004.15 | 695.999.42 | 990.064.00 | 991.064.00 |
| 695.004.15 | 695.999.42 | 990.064.00 | 991.064.00 |
| 695.004.15 | 695.999.42 | 990.064.00 | 991.064.00 |
| 695.004.15 | 695.999.42 | 990.064.00 | 991.064.00 |
| 695.004.15 | 695.999.42 | 990.064.00 | 991.064.00 |

***Optional:*** **695.004.12** R=12/18mm (45x34.5x2mm) pair of profiled knives

SUPPLIED IN A STURDY PLASTIC CARRY CASE

# 694.007

INSERT CARBIDE | MAN | Z2

These cutter heads are perfect for making furniture, doors and drawer fronts simply and stylishly by applying a final touch with a CMT cove bit. It is also used for making perfect roundover profiles, drop leaf counters and table tops. You can use three different knives for carrying out roundover and cove profiles with 10, 12 and 15mm radii. **For use on spindle moulder machines, moulder and shaping machines.** Suitable for all materials, but ideal on solid wood and panel materials.

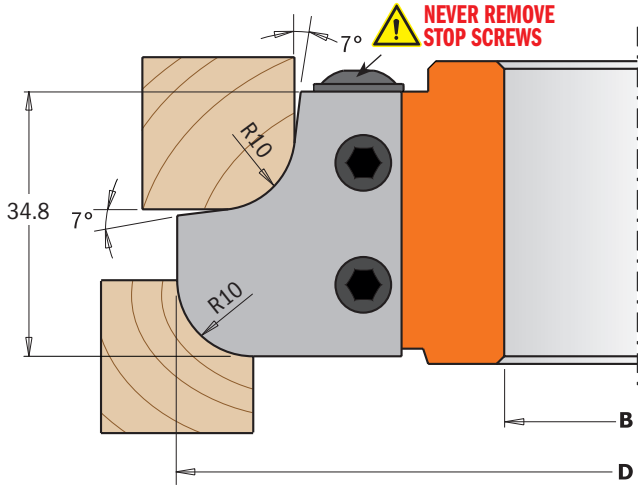
## TECHNICAL DETAILS:

- Hard aluminium alloy body with high resistance to tensile and yield stress.
- 2 HWM knives radius 10mm (34.8x29.3x2mm) [Z2].
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

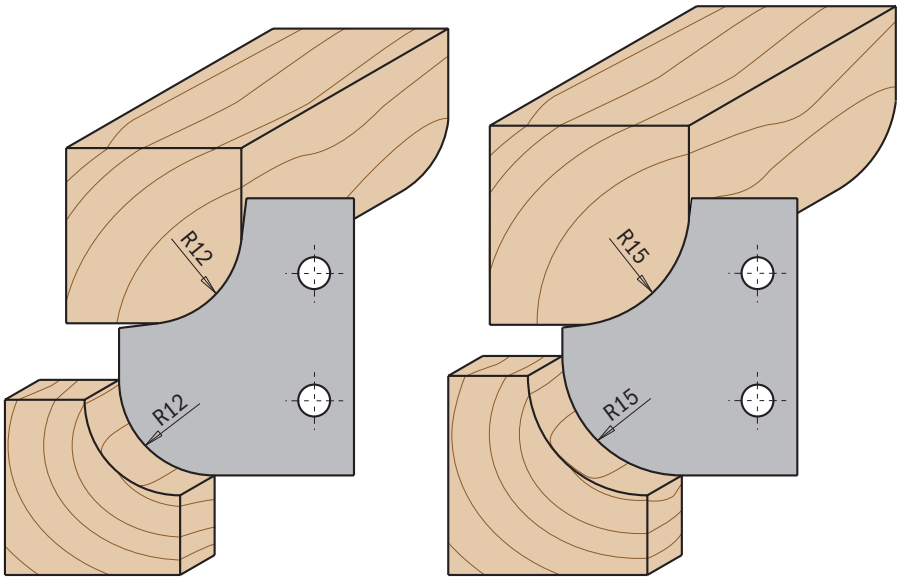
## SAFETY TIPS

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

**Standard** — Pair of knives **695.007.10**




**Optional** — Pair of knives **695.007.12** — Pair of knives **695.007.15**




Drawing is 1:1 scale

| D mm | B mm | Z | RPM | | ORDER NO. |
|---|---|---|---|---|---|
| 121 | 30 | 2 | 6300~10500 | 1 | **694.007.30** |
| 121 | 31.75 | 2 | 6300~10500 | 1 | **694.007.31** |
| 121 | 35 | 2 | 6300~10500 | 1 | **694.007.35** |
| 136 | 40 | 2 | 5100~8500 | 1 | **694.007.40** |
| 136 | 50 | 2 | 5100~8500 | 1 | **694.007.50** |

*Spare parts*

| x2 | | | |
|---|---|---|---|
| 695.007.10 | 695.999.31 | 990.064.00 | 991.064.00 |
| 695.007.10 | 695.999.31 | 990.064.00 | 991.064.00 |
| 695.007.10 | 695.999.31 | 990.064.00 | 991.064.00 |
| 695.007.10 | 695.999.31 | 990.064.00 | 991.064.00 |
| 695.007.10 | 695.999.31 | 990.064.00 | 991.064.00 |

*Optional:* **695.007.12** R=12mm (34.8x29.3x2mm) pair of roundover/cove knives
**695.007.15** R=15mm (34.8x29.3x2mm) pair of roundover/cove knives

# 694.008

The CMT professional finger joint cutter head makes the strongest side-to-side joints on all wood types and composites. The tightness of the joint and the maximum surface area for glue application ensure that the joint itself is stronger than an unworked piece of wood. Maximum thickness 47mm.
**For use on spindle moulder machines.** Perfect for moulding and furniture specialists.
Suitable for all materials, but ideal on hard wood and wood panels.

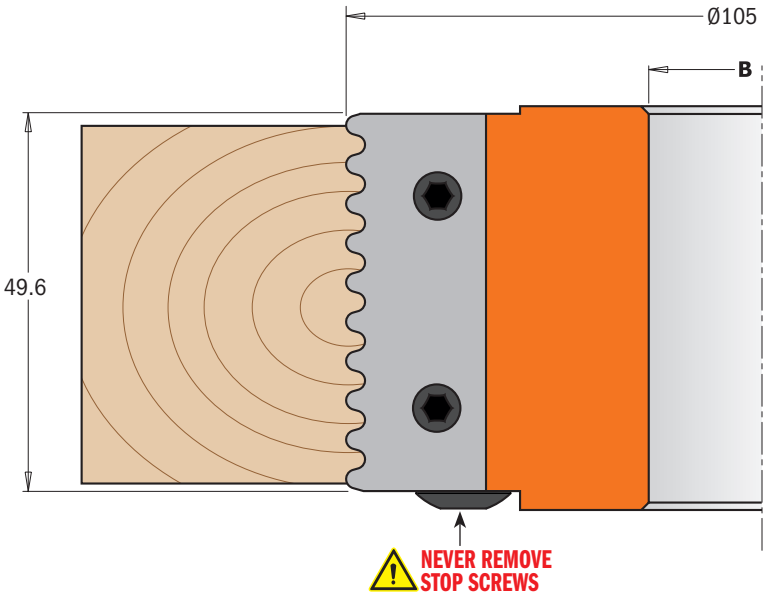
## TECHNICAL DETAILS:

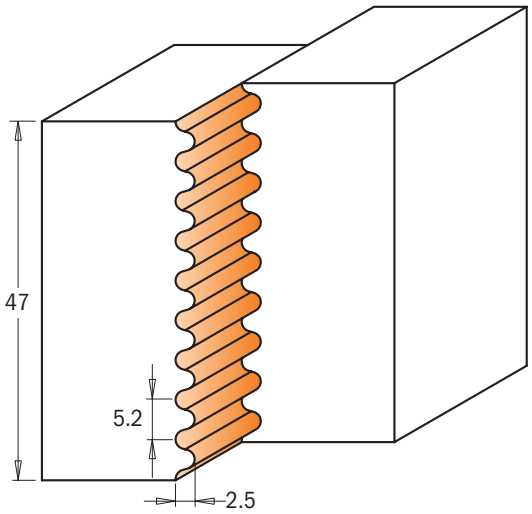
- Hard aluminium alloy body with high resistance to tensile and yield stress.
- 2 HWM knives 49.6x11.9x1.5mm [Z2].
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

SUPPLIED IN A STURDY PLASTIC CARRY CASE

## SAFETY TIPS

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).




Drawing is 1:1 scale

| D mm | B mm | Z | RPM | | ORDER NO. |
|---|---|---|---|---|---|
| 105 | 30 | 2 | 7300~11500 | 1 | **694.008.30** |
| 105 | 31.75 | 2 | 7300~11500 | 1 | **694.008.31** |
| 105 | 35 | 2 | 7300~11500 | 1 | **694.008.35** |
| 105 | 40 | 2 | 7300~11500 | 1 | **694.008.40** |
| 105 | 50 | 2 | 7300~11500 | 1 | **694.008.50** |

*Spare parts*

| x2 | | | |
|---|---|---|---|
| 695.008.01 | 695.999.49 | 990.066.00 | 991.067.00 |
| 695.008.01 | 695.999.49 | 990.066.00 | 991.067.00 |
| 695.008.01 | 695.999.49 | 990.066.00 | 991.067.00 |
| 695.008.01 | 695.999.49 | 990.066.00 | 991.067.00 |
| 695.008.01 | 695.999.49 | 990.066.00 | 991.067.00 |

*Optional:*
**695.998.2630** Ø50x2.6x30mm guide ring
**695.998.2631** Ø50x2.6x31.75mm guide ring
**695.998.2635** Ø55x2.6x35mm guide ring
**695.998.2640** Ø60x2.6x40mm guide ring
**695.998.2650** Ø70x2.6x50mm guide ring

SUPPLIED IN A STURDY PLASTIC CARRY CASE

# 694.009

INSERT CARBIDE | MAN | Z2

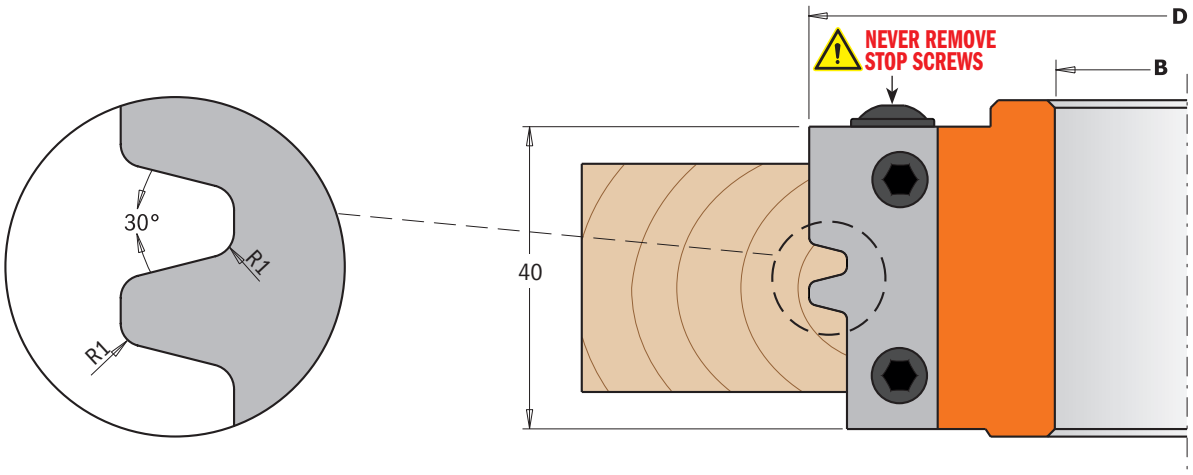
One of the unique characteristics of this CMT cutter head is its capacity to craft indestructible glue joints both quickly and accurately. Ideal for shaping panels, doors and furniture pieces of wide proportion.
Simply run one side of the panel, turn the panel over, and then run the opposite side. The result? Perfectly harmonized reverse cuts which match up to produce a flawless joint. Excellent for most materials, but ideal on hard wood, and wood panels.
**For spindle moulder machines and double-end tenoners.**

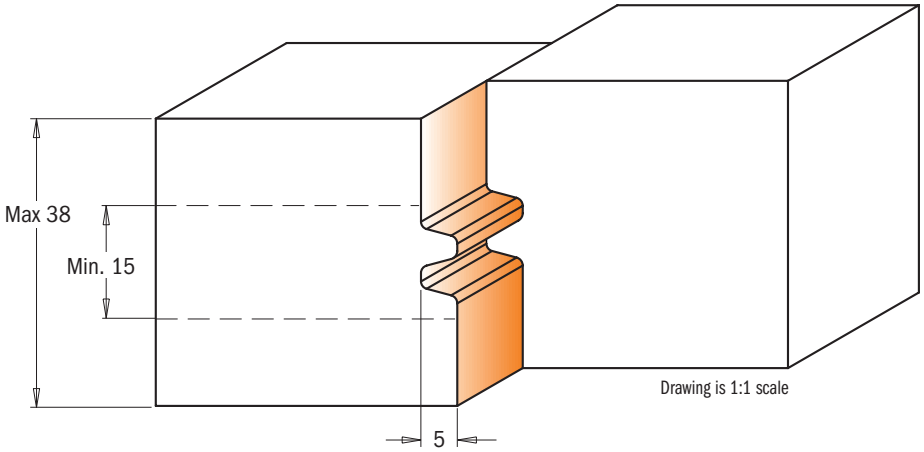
## TECHNICAL DETAILS:

- Hard aluminium alloy body with high resistance to tensile and yield stress.
- 2 HWM knives 40x18x2mm [Z2].
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

## SAFETY TIPS

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).




| D mm | B mm | Z | RPM | | ORDER NO. |
|---|---|---|---|---|---|
| 100 | 30 | 2 | 7500~12500 | 1 | **694.009.30** |
| 100 | 31.75 | 2 | 7500~12500 | 1 | **694.009.31** |
| 100 | 35 | 2 | 7500~12500 | 1 | **694.009.35** |
| 120 | 40 | 2 | 6400~10500 | 1 | **694.009.40** |
| 120 | 50 | 2 | 6400~10500 | 1 | **694.009.50** |

*Spare parts*

| x2 | | | |
|---|---|---|---|
| 695.009.01 | 695.999.38 | 990.064.00 | 991.064.00 |
| 695.009.01 | 695.999.38 | 990.064.00 | 991.064.00 |
| 695.009.01 | 695.999.38 | 990.064.00 | 991.064.00 |
| 695.009.01 | 695.999.38 | 990.064.00 | 991.064.00 |
| 695.009.01 | 695.999.38 | 990.064.00 | 991.064.00 |

# 694.011

CMT's lock miter cutter heads are ideal for milling miter joints in stock a maximum of 28mm in thickness. Create boxes, stretcher bars, frames and any assortment of right angle (90°) or parallel joint projects. Two easy steps to produce perfect fitting 45° miter joints: first, position and mill your workpiece horizontally, then vertically.
Create parallel glue joints in two steps: position and mill your workpiece horizontally, internal side facing down, and then turn it facing up. **For use on spindle moulder machines and shaper machines.**
Perfect on all materials, but ideal on solid wood and panels.

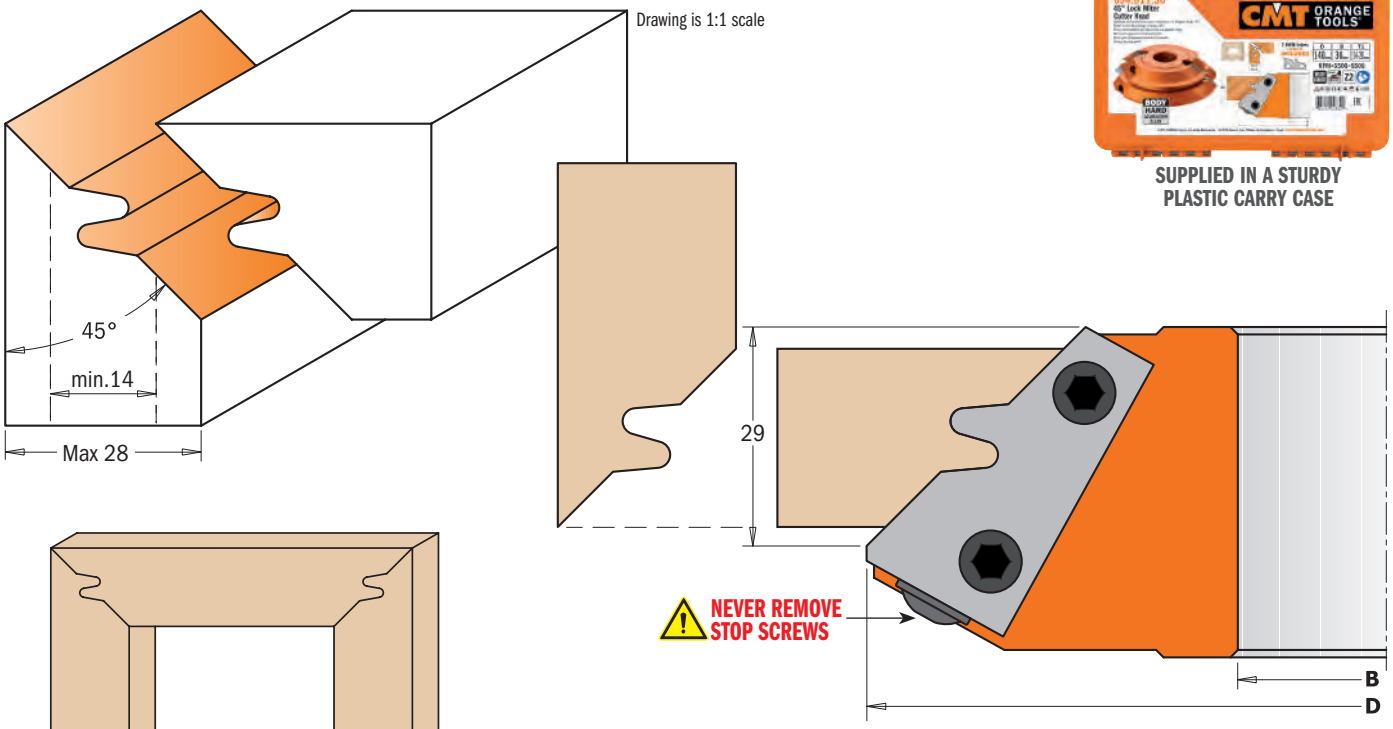
## TECHNICAL DETAILS:

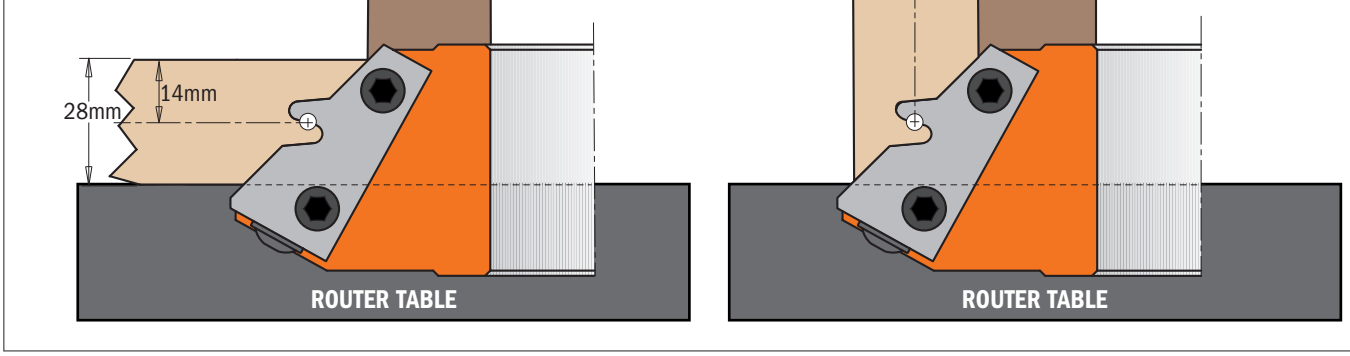
- Hard aluminium alloy body with high resistance to tensile and yield stress.
- 2 HWM knives 43x23x2mm [Z2].
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

## SAFETY TIPS

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

SUPPLIED IN A STURDY PLASTIC CARRY CASE



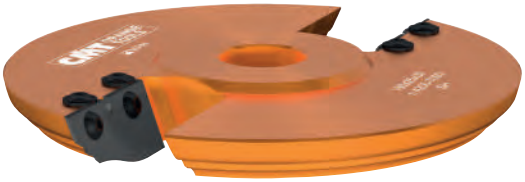




SEE EXAMPLE WITH 28MM WOOD

| D mm | B mm | Z | RPM | | ORDER NO. |
|---|---|---|---|---|---|
| 140 | 30 | 2 | 5500~9500 | 1 | **694.011.30** |
| 140 | 31.75 | 2 | 5500~9500 | 1 | **694.011.31** |
| 140 | 35 | 2 | 5500~9500 | 1 | **694.011.35** |
| 140 | 40 | 2 | 5500~9500 | 1 | **694.011.40** |
| 150 | 50 | 2 | 5100~8800 | 1 | **694.011.50** |

*Spare parts*

| x2 | | | |
|---|---|---|---|
| 695.011.01 | 695.999.42 | 990.064.00 | 991.064.00 |
| 695.011.01 | 695.999.42 | 990.064.00 | 991.064.00 |
| 695.011.01 | 695.999.42 | 990.064.00 | 991.064.00 |
| 695.011.01 | 695.999.42 | 990.064.00 | 991.064.00 |
| 695.011.01 | 695.999.42 | 990.064.00 | 991.064.00 |



# 694.012

INSERT CARBIDE | MAN | α | Z2

These new CMT cutter heads will allow you to make classic raised panels on furniture, interior and cabinet doors. An exceptional tool that makes up to six different profiles using the optional knives included. A practical and economical solution. We recommend multiple passes for safe and accurate finishing. **For use on spindle moulders and double-end tenoners.**
Perfect for all materials, but ideal on hard wood and panels.

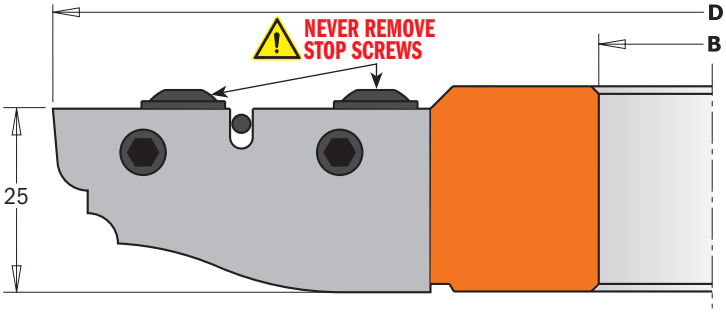
## TECHNICAL DETAILS:

- Hard aluminium alloy body with high resistance to tensile and yield stress.
- 2 HWM Knives type **(A)** 50x25x2mm [Z2].
- Tools for manual feed (MAN)
- Pins for the automatic positioning of the knives.

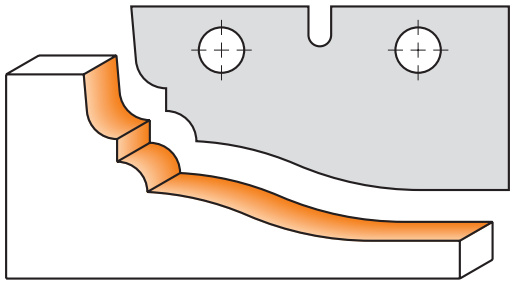
SUPPLIED IN A STURDY PLASTIC CARRY CASE

## SAFETY TIPS

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

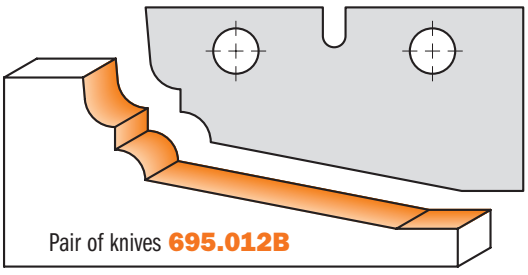


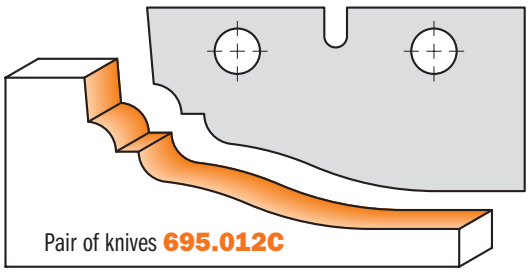

**Standard** — Pair of knives **695.012A**

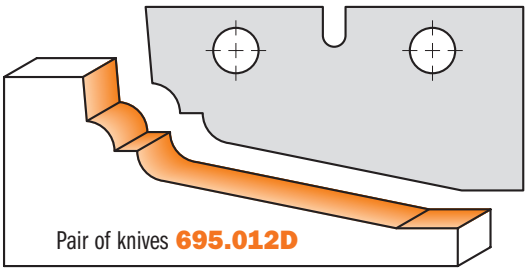


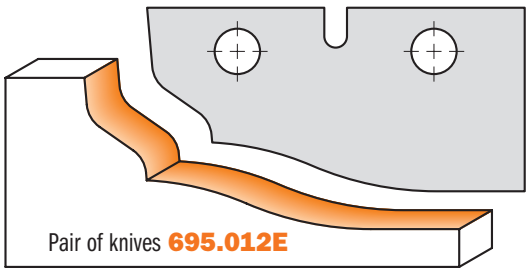
Drawing is 1:1 scale

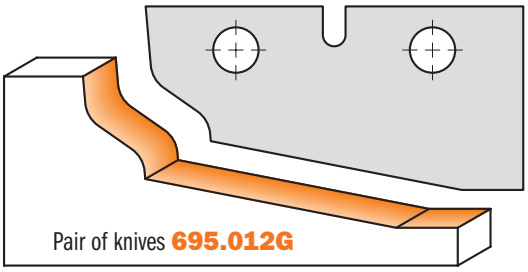
**Optional**




| D mm | l mm | B mm | Z | RPM | | ORDER NO. |
|---|---|---|---|---|---|---|
| 180 | 25 | 30 | 2 | 4200~7000 | 1 | **694.012.30** |
| 180 | 25 | 35 | 2 | 4200~7000 | 1 | **694.012.35** |
| 180 | 25 | 40 | 2 | 4200~7000 | 1 | **694.012.40** |
| 180 | 25 | 50 | 2 | 4200~7000 | 1 | **694.012.50** |

*Spare parts*

| x2 | | |
|---|---|---|
| 695.012A | 990.107.00 | 991.067.00 |
| 695.012A | 990.107.00 | 991.067.00 |
| 695.012A | 990.107.00 | 991.067.00 |
| 695.012A | 990.107.00 | 991.067.00 |

*Optional:*
**695.012B** 50x25x2mm pair of knives type (B)
**695.012C** 50x25x2mm pair of knives type (C)
**695.012D** 50x25x2mm pair of knives type (D)
**695.012E** 50x25x2mm pair of knives type (E)
**695.012G** 50x25x2mm pair of knives type (G)

SUPPLIED IN A STURDY PLASTIC CARRY CASE

# 694.013

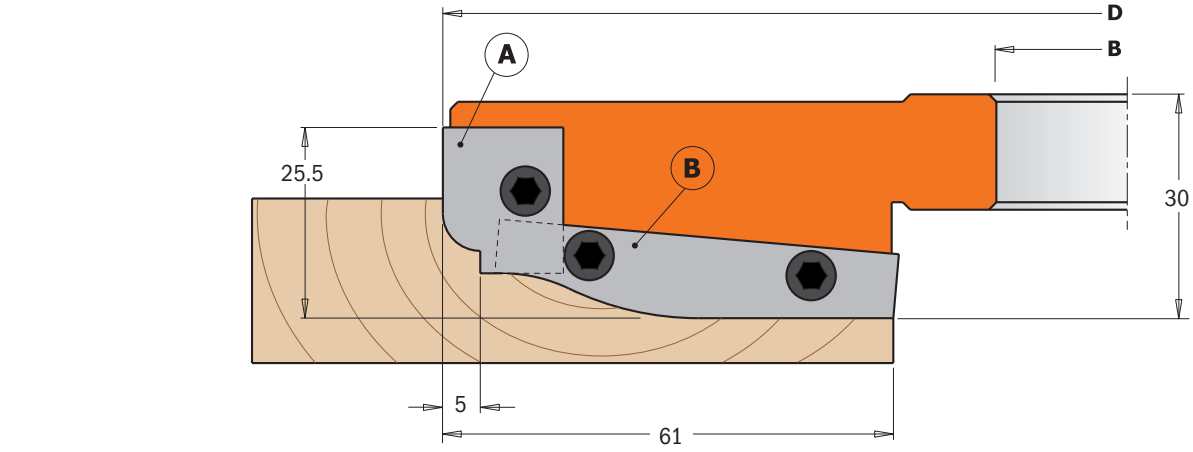
We offer a traditional approach to panel construction with these CMT raised panel cutter heads. Engineered using the most sophisticated technology, it represents a key element in the artisans' workshop. Create classic raised panels on furniture, interior and cabinet doors on solid wood and wooden boards, and achieve three different profiles by adjusting the cutting depth. We recommend multiple passes for safe and accurate finishing.
**For use on spindle moulders, moulders, and double-end tenoners.**
Perfect for all materials, but ideal on hard wood and panels.

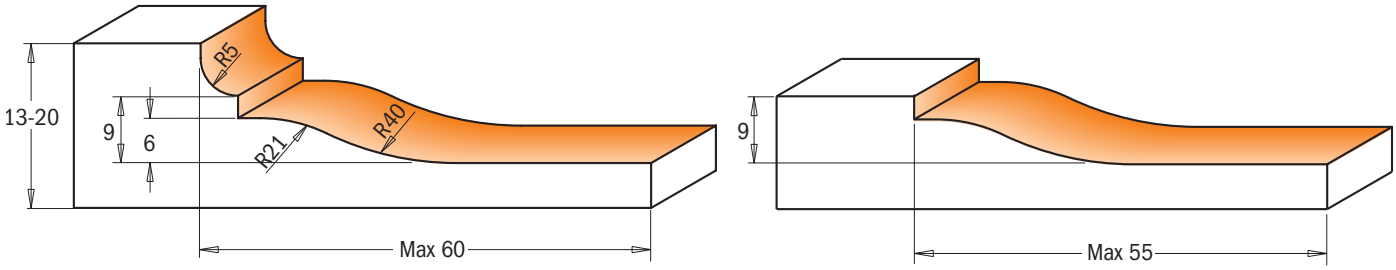
## TECHNICAL DETAILS:

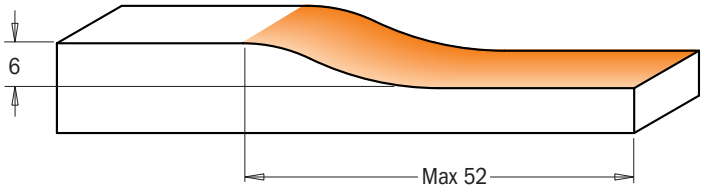
- Hard aluminium alloy body with high resistance to tensile and yield stress.
- 2 HWM Knives type **(A)** 19.8x11.9x1.5mm [Z2].
- 2 HWM Knives type **(B)** 60x11.9x1.5mm [Z2].
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

## SAFETY TIPS

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).




Drawing is 1:1 scale

| D mm | B mm | Z | RPM | | ORDER NO. |
|---|---|---|---|---|---|
| 183 | 30 | 2+2 | 4100~7000 | 1 | **694.013.30** |
| 183 | 31.75 | 2+2 | 4100~7000 | 1 | **694.013.31** |
| 183 | 35 | 2+2 | 4100~7000 | 1 | **694.013.35** |
| 200 | 40 | 2+2 | 3800~6400 | 1 | **694.013.40** |
| 200 | 50 | 2+2 | 3800~6400 | 1 | **694.013.50** |

*Spare parts*

| x2 | 16x11x9.5mm | x2 | 53x11x9.5mm | |
|---|---|---|---|---|
| 695.013.A1 | 695.999.16 | 695.013.A2 | 695.999.53 | 990.066.00 |
| 695.013.A1 | 695.999.16 | 695.013.A2 | 695.999.53 | 990.066.00 |
| 695.013.A1 | 695.999.16 | 695.013.A2 | 695.999.53 | 990.066.00 |
| 695.013.A1 | 695.999.16 | 695.013.A2 | 695.999.53 | 990.066.00 |
| 695.013.A1 | 695.999.16 | 695.013.A2 | 695.999.53 | 990.066.00 |

*Spare parts:* **991.083.00** 3x90x135mm hex key

SUPPLIED IN A STURDY PLASTIC CARRY CASE

# 694.015

INSERT CARBIDE | MAN | Z2 | V4

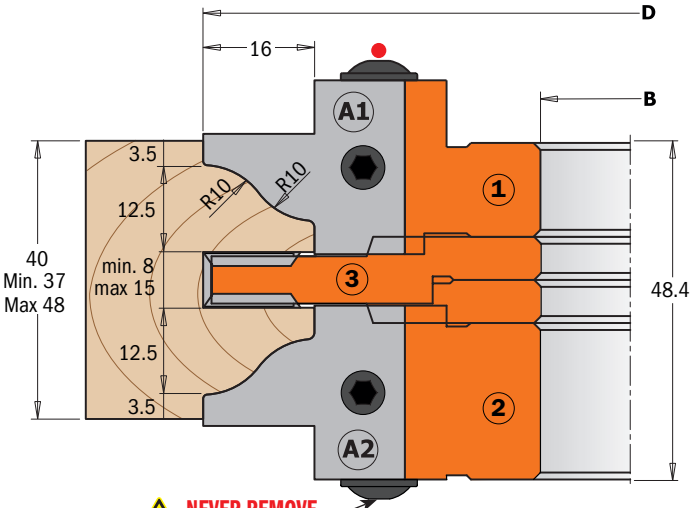
These versatile sets were designed to make furniture and doors on soft and hardwood. It allows the insertion of five different knives to produce the most popular and classical profiles. The adjustable cutter, included in the set, can also be used individually to carry out grooves between 8-15mm. For use on spindle moulders and moulder machines. Perfect on hard wood and panels maximum 22-25mm in thickness.

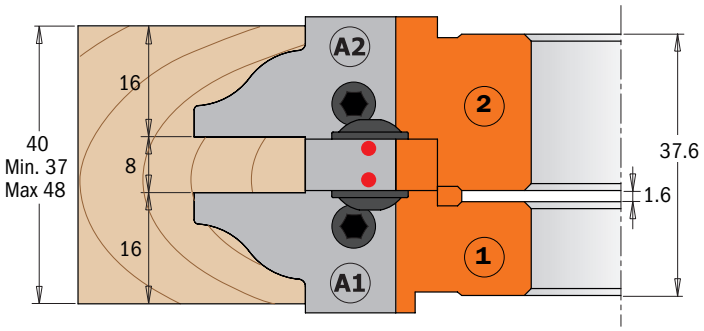
## TECHNICAL DETAILS:

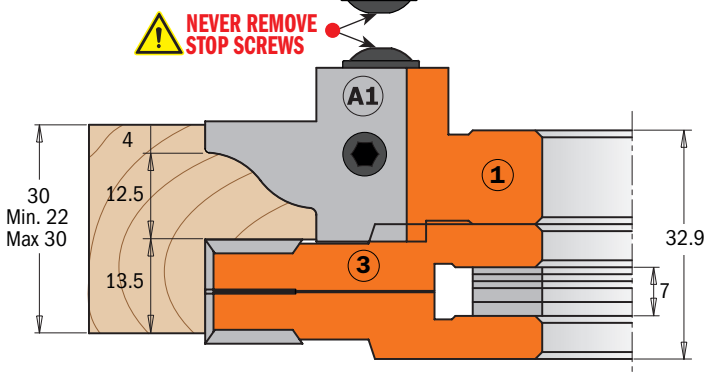
- Hard aluminium alloy body with high resistance to tensile and yield stress for cutter heads **(1 & 2)**.
- Strength steel body for cutter head (3).
- 2 HWM knives type **(A1)** 25x29.8x2mm [Z2].
- 2 HWM knives type **(A2)** 25x29.8x2mm [Z2].
- 4 HWM knives 7.65x12x1.5mm [Z4].
- 4 HWM knives 14x14x2mm for heads type **(1 & 2)**.
- 12 spacer rings from 0.1 to 3mm for heads type **(1 & 2)**.
- 12 spacer rings from 0.1 to 2mm for heads type **(3)**.
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

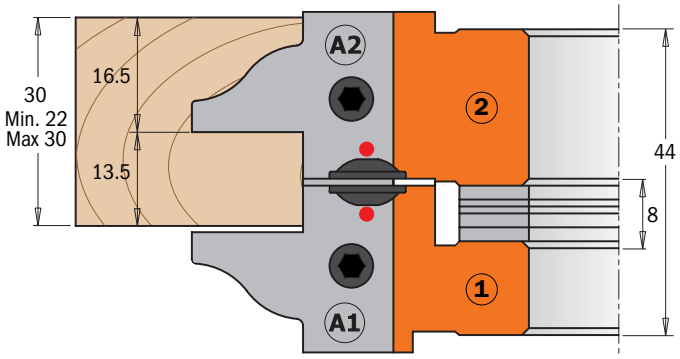
## SAFETY TIPS

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).




| D mm | B mm | Z+V | RPM | | ORDER NO. |
|---|---|---|---|---|---|
| 132 | 30 | 2+4 | 5700~9500 | 1 | **694.015.30** |
| 132 | 31.75 | 2+4 | 5700~9500 | 1 | **694.015.31** |
| 132 | 35 | 2+4 | 5700~9500 | 1 | **694.015.35** |
| 147 | 40 | 2+4 | 5100~8500 | 1 | **694.015.40** |
| 147 | 50 | 2+4 | 5100~8500 | 1 | **694.015.50** |

| Spare parts | | Optional |
|---|---|---|
| 695.998.01 | 695.998.21 | 695.998.30 |
| 695.998.02 | 695.998.22 | 695.998.31 |
| 695.998.03 | 695.998.23 | 695.998.35 |
| 695.998.04 | 695.998.06 | 695.998.40 |
| 695.998.05 | 695.998.07 | |

*Spare parts:*

**HEAD TYPE (1)**

**695.015.A1** 25x29.8x2mm HWM pair of knives (A1)
**695.015.B1** 25x29.8x2mm HWM pair of knives (B1)
**695.015.C1** 25x29.8x2mm HWM pair of knives (C1)
**695.015.D1** 25x29.8x2mm HWM pair of knives (D1)
**695.015.E1** 25x29.8x2mm HWM pair of knives (E1)
**695.999.23** 23x11x9.5mm wedge for knives
**990.066.00** M6x16mm screw
**991.067.00** 3mm hex key

**HEAD TYPE (2)**

**695.015.A2** 25x29.8x2mm HWM pair of knives (A2)
**695.015.B2** 25x29.8x2mm HWM pair of knives (B2)
**695.015.C2** 25x29.8x2mm HWM pair of knives (C2)
**695.015.D2** 25x29.8x2mm HWM pair of knives (D2)
**695.015.E2** 25x29.8x2mm HWM pair of knives (E2)
**695.999.24** 23x11x9.5mm wedge for knives
**990.066.00** M6x16mm screws
**991.067.00** 3mm hex key

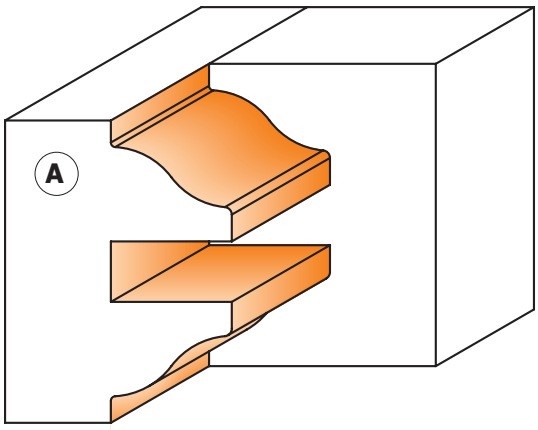
**HEAD TYPE (3)**

**790.076.00*** 7.65x12x1.5mm HWM knives
**695.999.07** 6.8x11x9.5mm wedge for knives
**990.063.00** M5x18mm screw
**991.072.00** T20 hex key
**790.140.00*** 14x14x2mm HWM Knives
**990.080.00** M5x6.5mm screw
**991.073.00** T25 hex key

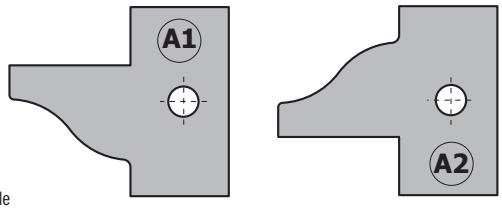
*Minimum 10 pieces or multiple

**Standard**

Pair of knives **695.015.A1** - Pair of knives **695.015.A2**

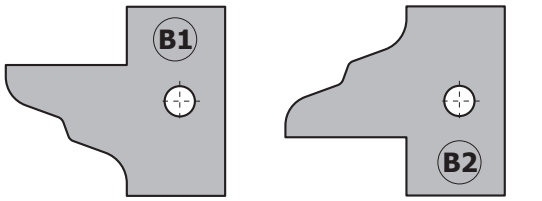


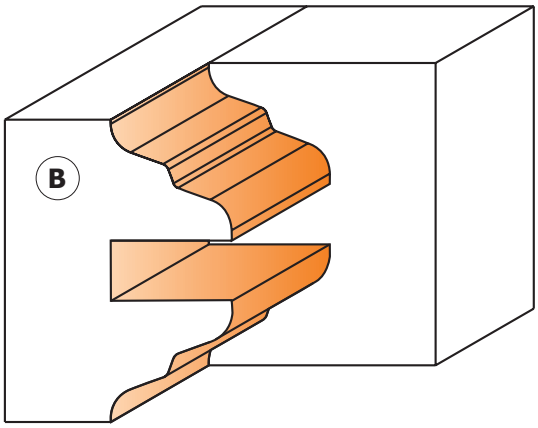

Drawing is 1:1 scale



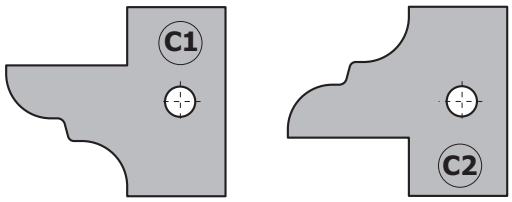

**Optional**

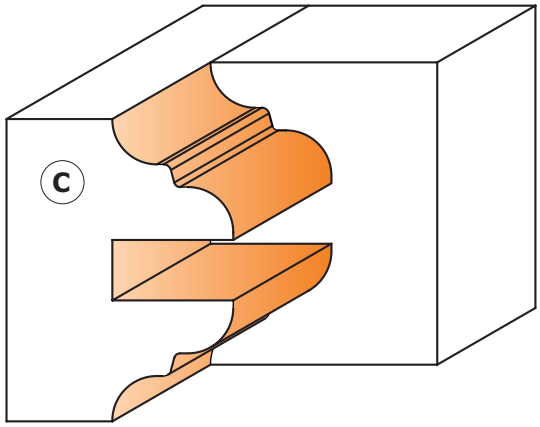
Pair of knives **695.015.B1**
Pair of knives **695.015.B2**



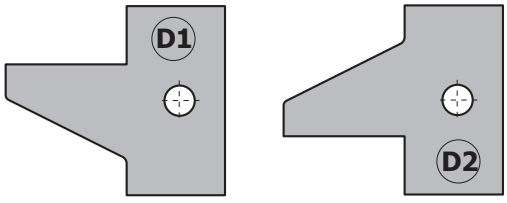



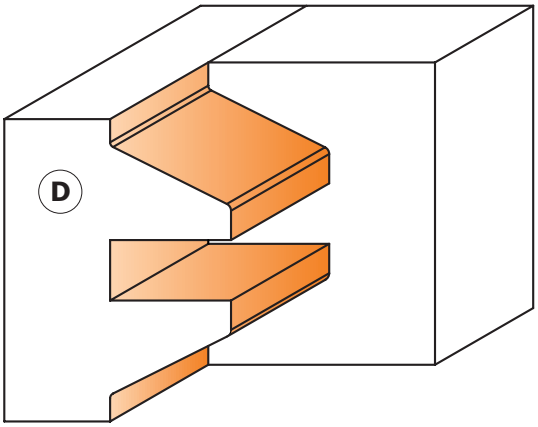

Pair of knives **695.015.C1**
Pair of knives **695.015.C2**



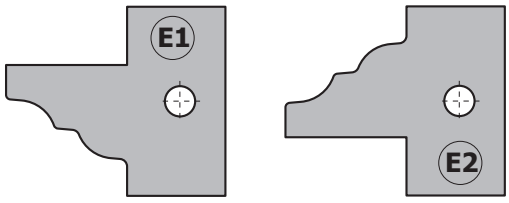



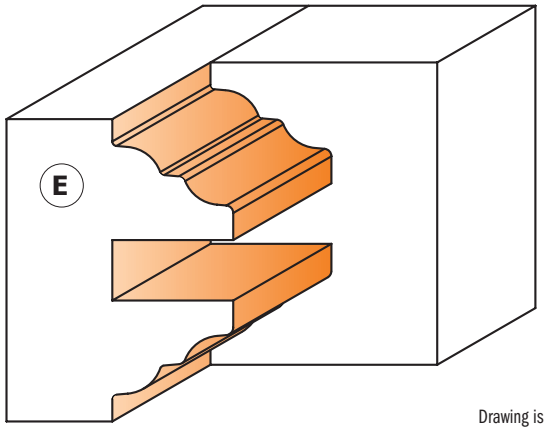

Pair of knives **695.015.D1**
Pair of knives **695.015.D2**




Pair of knives **695.015.E1**
Pair of knives **695.015.E2**




Drawing is 1:1 scale

CMT ORANGE TOOLS®

# 694.014

These are unique products made by combining two cutter heads, ideal for making furniture doors and drawers.
By adjusting the height of the of the cutter head, you can cut two perfectly fitted profiles without wasting time or effort on the fence or replacing the tool. Improve your efficiency and save money only having to purchase one single cutter head!!! **For use on spindle moulders.** Perfect on hardwood and panels between 22mm-25mm in thickness.

INSERT CARBIDE | MAN | Z2

SUPPLIED IN A STURDY PLASTIC CARRY CASE

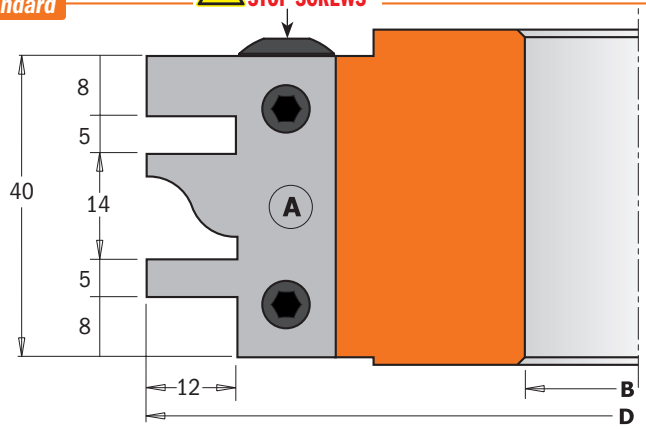
**TECHNICAL DETAILS:**
- Hard aluminium alloy body with high resistance to tensile and yield stress.
- 2 HWM knives type **(A)** 40x24.5x2mm [Z2].
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

**SAFETY TIPS**

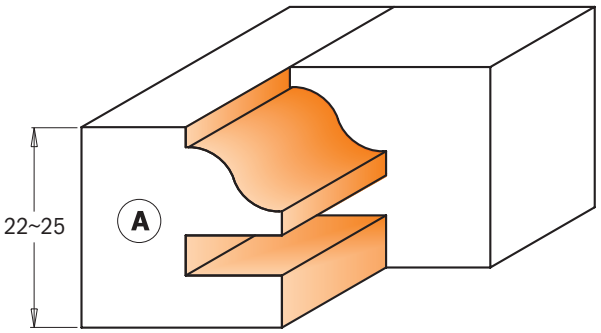
The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

**Standard**

NEVER REMOVE STOP SCREWS



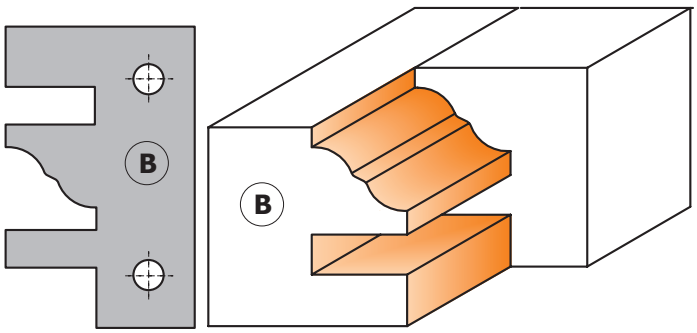

Pair of knives **695.014A**



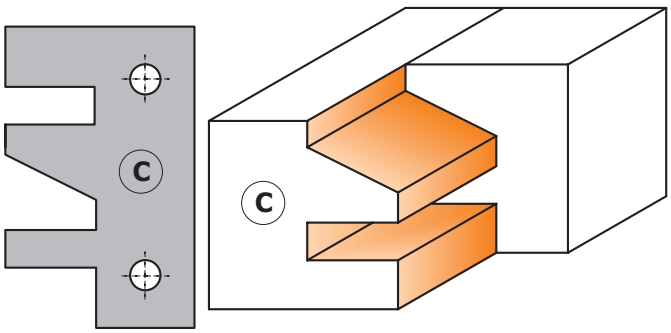

Drawing is 1:1 scale

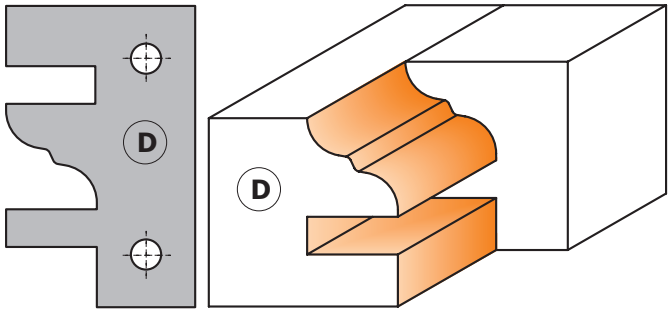
**Optional**

Pair of knives **695.014B**




Pair of knives **695.014C**




Drawing is 1:1 scale

Pair of knives **695.014D**

| D mm | B mm | Z | RPM | | ORDER NO. |
|---|---|---|---|---|---|
| 120 | 30 | 2 | 6400~10500 | 1 | **694.014.30** |
| 120 | 31.75 | 2 | 6400~10500 | 1 | **694.014.31** |
| 120 | 35 | 2 | 6400~10500 | 1 | **694.014.35** |
| 120 | 40 | 2 | 6400~10500 | 1 | **694.014.40** |
| 130 | 50 | 2 | 6400~10500 | 1 | **694.014.50** |

*Spare parts*

| x2 | | | |
|---|---|---|---|
| 695.014A | 695.999.39 | 990.066.00 | 991.067.00 |
| 695.014A | 695.999.39 | 990.066.00 | 991.067.00 |
| 695.014A | 695.999.39 | 990.066.00 | 991.067.00 |
| 695.014A | 695.999.39 | 990.066.00 | 991.067.00 |
| 695.014A | 695.999.39 | 990.066.00 | 991.067.00 |

*Optional:* **695.014B** 40x24.5x2mm pair of knives type (B)
**695.014C** 40x24.5x2mm pair of knives type (C)
**695.014D** 40x24.5x2mm pair of knives type (D)

# 692

CMT cutter heads guarantee excellent performance for all your projects.
For use on all types of moulder and **spindle moulder machines, profiler and edging machines.**

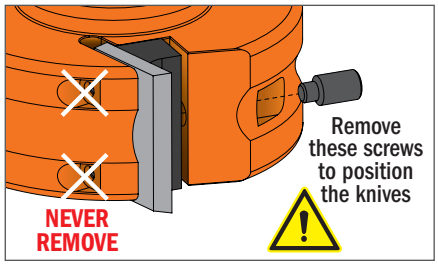
## TECHNICAL DETAILS:

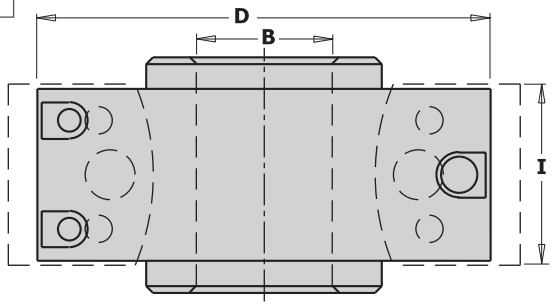
- Hard aluminium or steel alloy cutter head without limiters, highly resistant to tensile and yield stress.
- Pair of universal straight knives included.
- Tools for mechanical feed (MEC).
- Pins for the automatic positioning of the knives.
- Possibility to use knives with a height of 40mm or 50mm (order no. **690**).

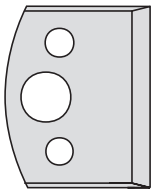
SUPPLIED IN A STURDY PLASTIC CARRY CASE. TO CONTAIN UP TO 12 PAIRS OF KNIVES.

## SAFETY TIPS

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).



690.000

| D mm | I mm | B mm | RPM | | ORDER NO. Steel body | ORDER NO. Alumimium body |
|---|---|---|---|---|---|---|
| 78 | 40 | 19.05 | 7000~9000 | 1 | | **692.078.19*** |
| 78 | 40 | 30 | 7000~9000 | 1 | | **692.078.30*** |
| 100 | 40-50 | 25.4 | 5500~8400 | 1 | | **692.100.26** |
| 100 | 40-50 | 30 | 5500~8400 | 1 | **692.101.30** | **692.100.30** |
| 100 | 40-50 | 31.75 | 5500~8400 | 1 | | **692.100.31** |
| 100 | 40-50 | 35 | 5500~8400 | 1 | **692.101.35** | **692.100.35** |
| 120 | 40-50 | 50 | 4800~7400 | 1 | **692.121.50** | **692.120.50** |

*Spare parts*

| | | |
|---|---|---|
| 692.999.01 | 990.064.00 | 991.064.00 |
| 692.999.01 | 990.064.00 | 991.064.00 |
| 692.999.01 | 990.064.00 | 991.064.00 |
| 692.999.01 | 990.064.00 | 991.064.00 |
| 692.999.01 | 990.064.00 | 991.064.00 |
| 692.999.01 | 990.064.00 | 991.064.00 |
| 692.999.01 | 990.064.00 | 991.064.00 |

*For safety reasons we recommend the use of knives with a 40mm height only.

# Cutter Heads with Limiters

**Made in compliance with EU Directive EN 847-1.**

# 693

CMT cutter heads guarantee excellent performance for all your projects.
For use on all types of moulder and **spindle moulder machines and moulder machines.**

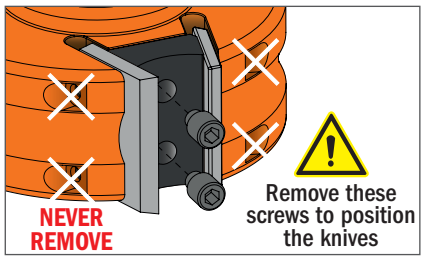
## TECHNICAL DETAILS:

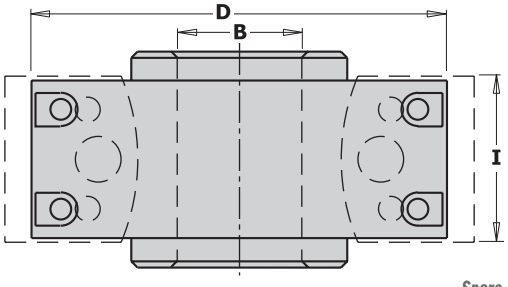
- Hard aluminium or steel alloy cutter head with limiters, highly resistant to tensile and yield stress.
- Pair of universal straight knives and limiters included.
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.
- Possibility to use knives with a height of 40mm or 50mm (order no. **690**) and limiters (order no. **691**).

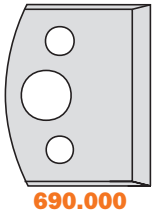
SUPPLIED IN A STURDY PLASTIC CARRY CASE. TO CONTAIN UP TO 12 PAIRS OF KNIVES.

## SAFETY TIPS

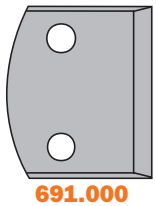
The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).



690.000



691.000

| D mm | I mm | B mm | RPM | | ORDER NO. Steel body | ORDER NO. Alumimium body |
|---|---|---|---|---|---|---|
| 78 | 40 | 30 | 7000~9000 | 1 | **693.078.30** | |
| 100 | 40-50 | 30 | 5500~8400 | 1 | **693.101.30** | **693.100.30** |
| 100 | 40-50 | 31.75 | 5500~8400 | 1 | | **693.100.31** |
| 100 | 40-50 | 35 | 5500~8400 | 1 | **693.101.35** | **693.100.35** |
| 120 | 40-50 | 50 | 4800~7400 | 1 | **693.121.50** | **693.120.50** |

*Spare parts*

| | | |
|---|---|---|
| 693.999.01 | 990.065.00 | 991.064.00 |
| 693.999.01 | 990.065.00 | 991.064.00 |
| 693.999.01 | 990.065.00 | 991.064.00 |
| 693.999.01 | 990.065.00 | 991.064.00 |
| 693.999.01 | 990.065.00 | 991.064.00 |

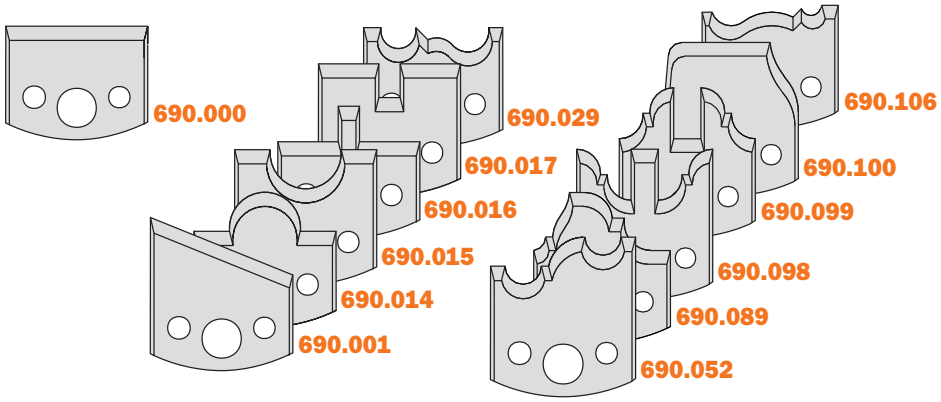
## 692

This set is ideal for making joints and frames and include 3 essential profiles specifically for creating cabinet doors.
An invaluable asset for any professional woodworker. The cutter heads included allow the insertion of knives at a height of either 40mm or 50mm. Both cutter head and knives are packaged in a sturdy plastic case to prevent damage.

**THESE SETS INCLUDE:**
- 1 cutter head in hard aluminium alloy with pins for the automatic positioning of the knives.
- 13 pairs of knives with a cutting height of 40mm.

SP MEC Z2

SUPPLIED IN A STURDY PLASTIC CARRY CASE

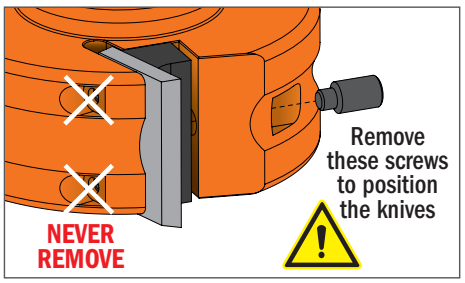



**SAFETY TIPS**

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

| D mm | I mm | B mm | RPM | | ORDER NO. |
|---|---|---|---|---|---|
| 78 | 40 | 19.05 | 7000~9000 | 1 | **692.013.09** |
| 78 | 40 | 30 | 7000~9000 | 1 | **692.013.01** |
| 100 | 40 | 25.4 | 5500~8400 | 1 | **692.013.10** |
| 100 | 40 | 30 | 5500~8400 | 1 | **692.013.02** |
| 100 | 40 | 31.75 | 5500~8400 | 1 | **692.013.11** |
| 100 | 40 | 35 | 5500~8400 | 1 | **692.013.03** |
| 120 | 40 | 50 | 4800~7400 | 1 | **692.013.04** |

| *Spare parts* | | |
|---|---|---|
| 692.999.01 | 990.064.00 | 991.064.00 |
| 692.999.01 | 990.064.00 | 991.064.00 |
| 692.999.01 | 990.064.00 | 991.064.00 |
| 692.999.01 | 990.064.00 | 991.064.00 |
| 692.999.01 | 990.064.00 | 991.064.00 |
| 692.999.01 | 990.064.00 | 991.064.00 |
| 692.999.01 | 990.064.00 | 991.064.00 |



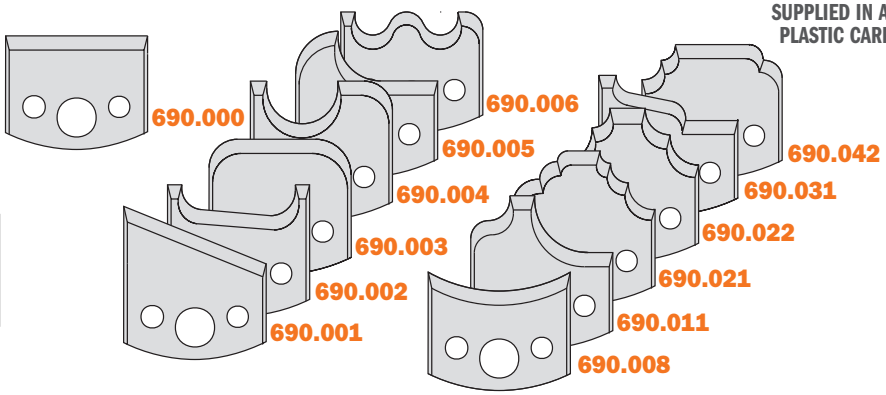
## 692

13 of the most popular profiles combined in one sturdy carry case.
The featured cutter head fits 40-50mm knives.

**THESE SETS INCLUDE:**
- 1 cutter head in hard aluminium alloy with pins for the automatic positioning of the knives.
- 13 pairs of knives with a cutting height of 40mm.

SP MEC Z2

SUPPLIED IN A STURDY PLASTIC CARRY CASE

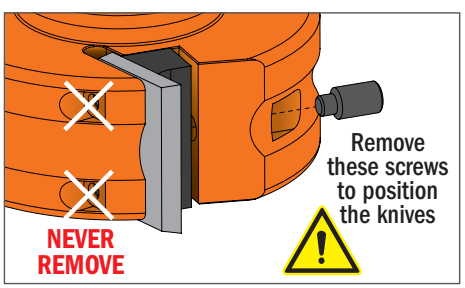



**SAFETY TIPS**

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

| D mm | I mm | B mm | RPM | | ORDER NO. |
|---|---|---|---|---|---|
| 78 | 40 | 19.05 | 7000~9000 | 1 | **692.013.12** |
| 78 | 40 | 30 | 7000~9000 | 1 | **692.013.05** |
| 100 | 40 | 25.4 | 5500~8400 | 1 | **692.013.13** |
| 100 | 40 | 30 | 5500~8400 | 1 | **692.013.06** |
| 100 | 40 | 31.75 | 5500~8400 | 1 | **692.013.14** |
| 100 | 40 | 35 | 5500~8400 | 1 | **692.013.07** |
| 120 | 40 | 50 | 4800~7400 | 1 | **692.013.08** |

| *Spare parts* | | |
|---|---|---|
| 692.999.01 | 990.064.00 | 991.064.00 |
| 692.999.01 | 990.064.00 | 991.064.00 |
| 692.999.01 | 990.064.00 | 991.064.00 |
| 692.999.01 | 990.064.00 | 991.064.00 |
| 692.999.01 | 990.064.00 | 991.064.00 |
| 692.999.01 | 990.064.00 | 991.064.00 |
| 692.999.01 | 990.064.00 | 991.064.00 |



# 7 Piece Multiprofile Cutter Head Sets with Limiters

## 693

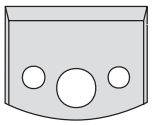
CMT has assembled 7 profiles in this convenient set for the professional woodworker; perfect for creating kitchen cabinet doors with a horizontal profile and featuring two pairs of cutters for male-female joints. A specially designed cutter head allows the insertion of knives with a height of either 40mm or 50mm. The cutter head also boasts safety limiters in keeping with European standards EN 847-1.

**THESE SETS INCLUDE:**
- 1 cutter head in hard aluminium alloy allowing the insertion of straight knives, limiters and pins for the automatic positioning of the knives.
- 7 pairs of 40mm knives, as per illustration.
- 7 pairs of relative limiters.

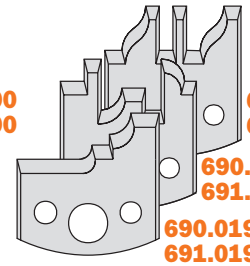
**SAFETY TIPS**

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

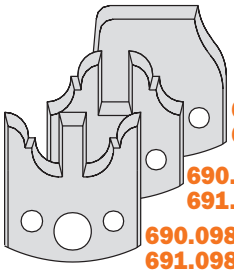
SUPPLIED IN A STURDY PLASTIC CARRY CASE



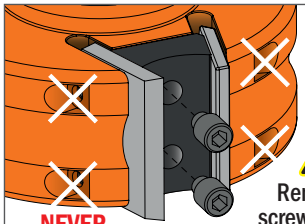
690.000
691.000



690.097
691.097
690.096
691.096
690.019
691.019



690.100
691.100
690.099
691.099
690.098
691.098



NEVER REMOVE

Remove these screws to position the knives

| D mm | I mm | B mm | RPM | | ORDER NO. |
|---|---|---|---|---|---|
| 100 | 40 | 30 | 5500~8400 | 1 | **693.013.01** |
| 100 | 40 | 35 | 5500~8400 | 1 | **693.013.02** |
| 120 | 40 | 50 | 4800~7400 | 1 | **693.013.03** |

*Spare parts*

| | | |
|---|---|---|
| 693.999.01 | 990.065.00 | 991.064.00 |
| 693.999.01 | 990.065.00 | 991.064.00 |
| 693.999.01 | 990.065.00 | 991.064.00 |

# 7 Piece Multiprofile Cutter Head Sets with Limiters

## 693

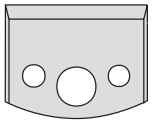
CMT has assembled the 7 most popular profiles in this practical set conveniently packaged in a sturdy protective carry case. The specially designed cutter head allows the insertion of knives with a height of either 40mm or 50mm. The cutter head also boasts safety limiters in keeping with European standards EN 847-1.

**THESE SETS INCLUDE:**
- 1 cutter head in hard aluminium alloy allowing the insertion of straight knives, with limiters and pins for the automatic positioning of the knives.
- 7 pairs of 40mm knives, as per illustration.
- 7 pairs of relative limiters.

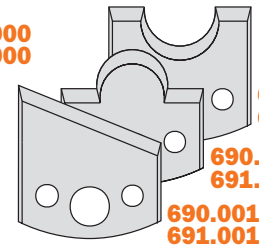
**SAFETY TIPS**

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

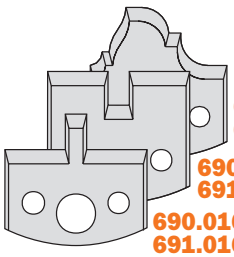
SUPPLIED IN A STURDY PLASTIC CARRY CASE



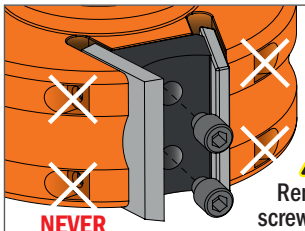
690.000
691.000



690.015
691.015
690.014
691.014
690.001
691.001



690.089
691.089
690.017
691.017
690.016
691.016



NEVER REMOVE

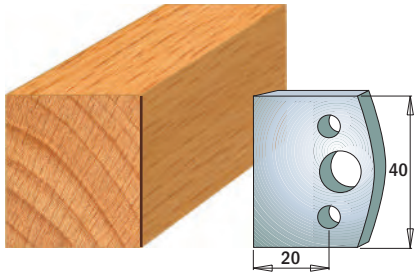
Remove these screws to position the knives

| D mm | I mm | B mm | RPM | | ORDER NO. |
|---|---|---|---|---|---|
| 100 | 40 | 30 | 5500~8400 | 1 | **693.013.04** |
| 100 | 40 | 35 | 5500~8400 | 1 | **693.013.05** |
| 120 | 40 | 50 | 4800~7400 | 1 | **693.013.06** |

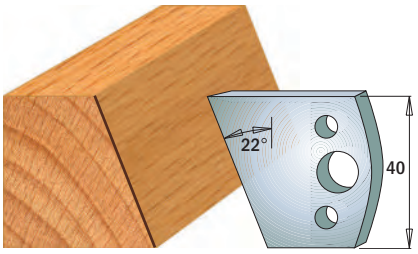
*Spare parts*

| | | |
|---|---|---|
| 693.999.01 | 990.065.00 | 991.064.00 |
| 693.999.01 | 990.065.00 | 991.064.00 |
| 693.999.01 | 990.065.00 | 991.064.00 |

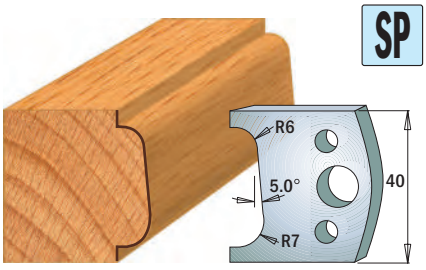
SP



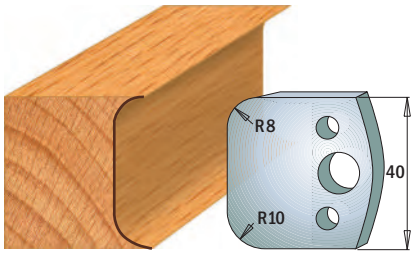

| | |
|---|---|
| Pair of knives | **690.000** |
| Pair of limiters | **691.000** |



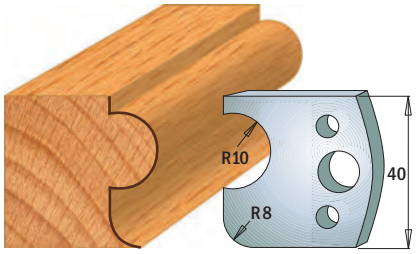

| | |
|---|---|
| Pair of knives | **690.001** |
| Pair of limiters | **691.001** |



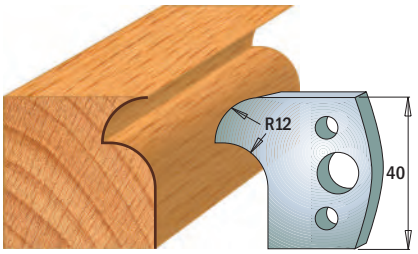

| | |
|---|---|
| Pair of knives | **690.002** |
| Pair of limiters | **691.002** |



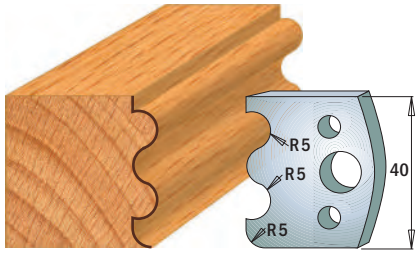

| | |
|---|---|
| Pair of knives | **690.003** |
| Pair of limiters | **691.003** |



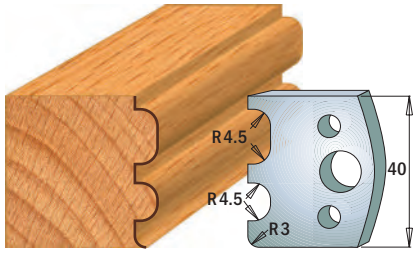

| | |
|---|---|
| Pair of knives | **690.004** |
| Pair of limiters | **691.004** |



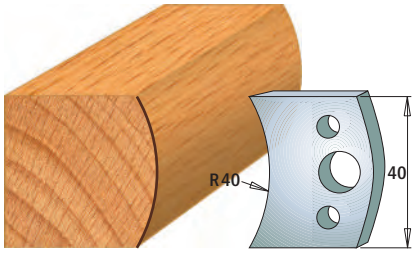

| | |
|---|---|
| Pair of knives | **690.005** |
| Pair of limiters | **691.005** |



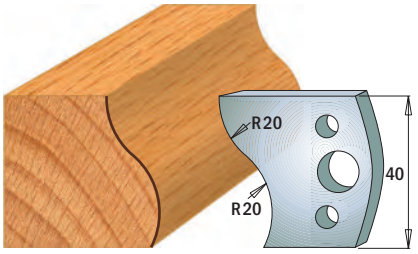

| | |
|---|---|
| Pair of knives | **690.006** |
| Pair of limiters | **691.006** |



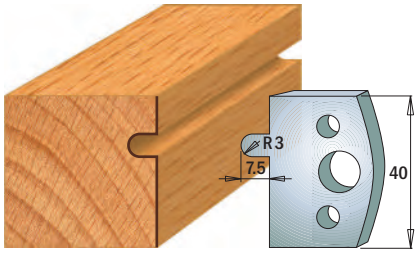

| | |
|---|---|
| Pair of knives | **690.007** |
| Pair of limiters | **691.007** |



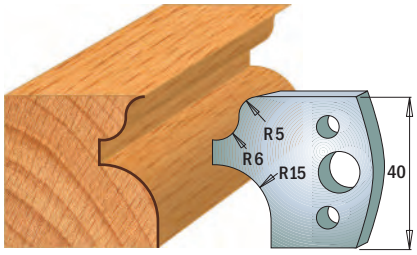

| | |
|---|---|
| Pair of knives | **690.008** |
| Pair of limiters | **691.008** |



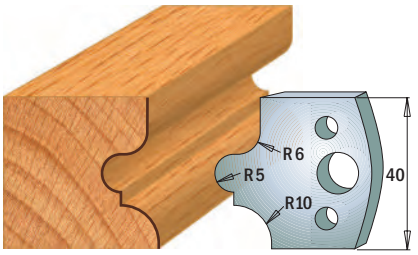

| | |
|---|---|
| Pair of knives | **690.009** |
| Pair of limiters | **691.009** |



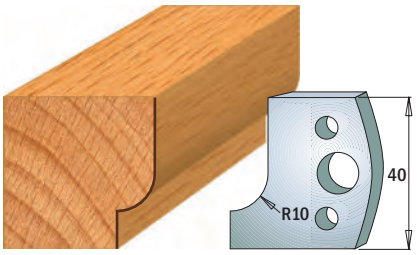

| | |
|---|---|
| Pair of knives | **690.010** |
| Pair of limiters | **691.010** |



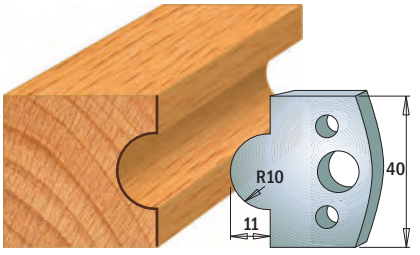

| | |
|---|---|
| Pair of knives | **690.011** |
| Pair of limiters | **691.011** |




| | |
|---|---|
| Pair of knives | **690.012** |
| Pair of limiters | **691.012** |



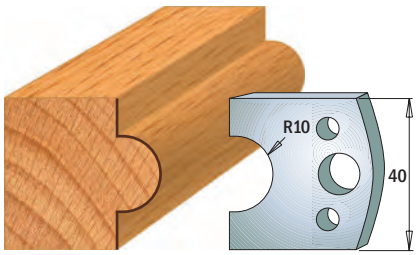

| | |
|---|---|
| Pair of knives | **690.013** |
| Pair of limiters | **691.013** |



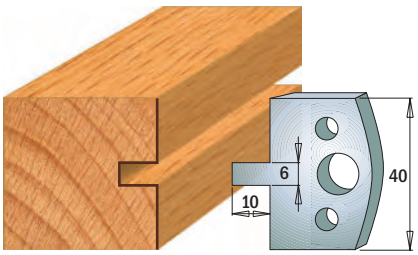

| | |
|---|---|
| Pair of knives | **690.014** |
| Pair of limiters | **691.014** |

**NOTE:** all knives & limiters available only in pairs.
Drawings are 1:2 scale. Dimensions in mm.

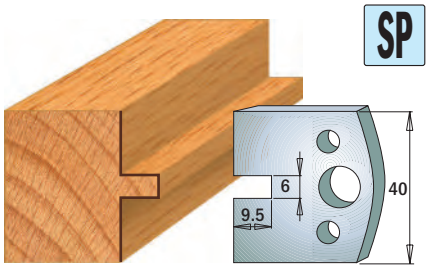
SP



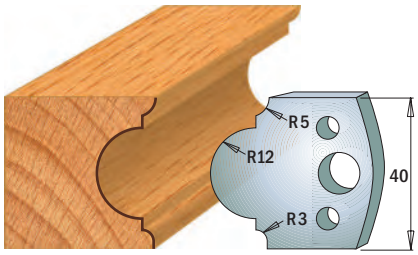

| | |
|---|---|
| Pair of knives | **690.015** |
| Pair of limiters | **691.015** |



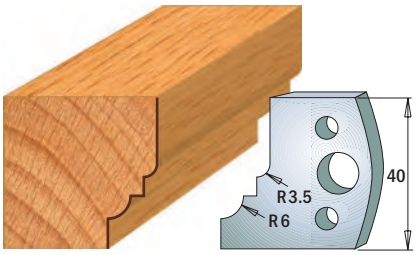

| | |
|---|---|
| Pair of knives | **690.016** |
| Pair of limiters | **691.016** |



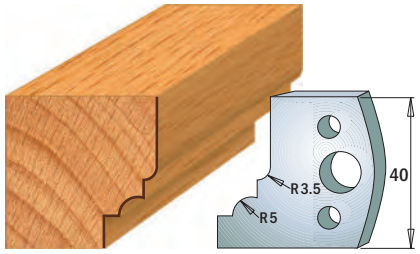

| | |
|---|---|
| Pair of knives | **690.017** |
| Pair of limiters | **691.017** |



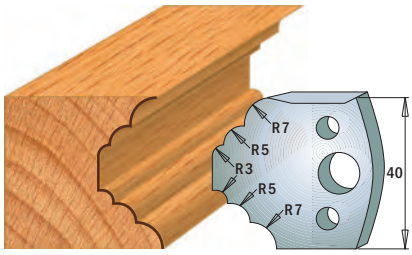

| | |
|---|---|
| Pair of knives | **690.018** |
| Pair of limiters | **691.018** |



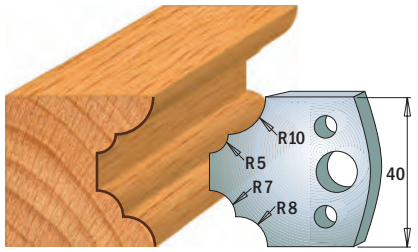

| | |
|---|---|
| Pair of knives | **690.019** |
| Pair of limiters | **691.019** |



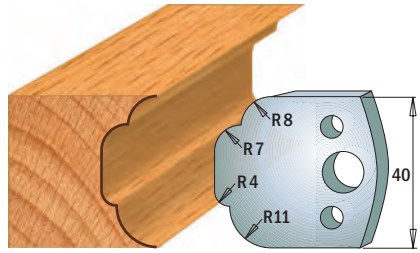

| | |
|---|---|
| Pair of knives | **690.020** |
| Pair of limiters | **691.020** |



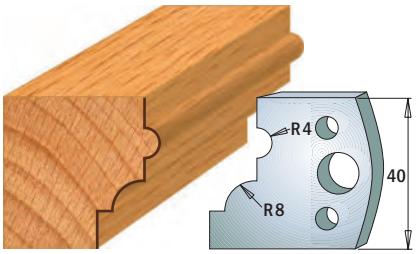

| | |
|---|---|
| Pair of knives | **690.021** |
| Pair of limiters | **691.021** |



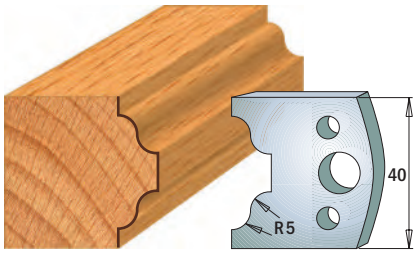

| | |
|---|---|
| Pair of knives | **690.022** |
| Pair of limiters | **691.022** |



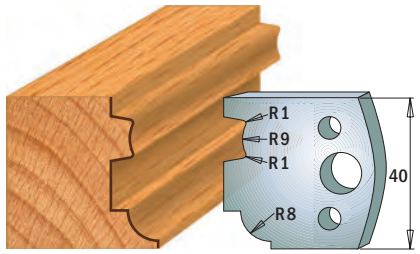

| | |
|---|---|
| Pair of knives | **690.023** |
| Pair of limiters | **691.023** |



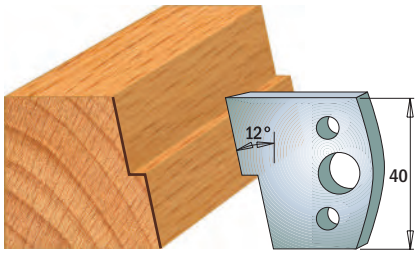

| | |
|---|---|
| Pair of knives | **690.024** |
| Pair of limiters | **691.024** |



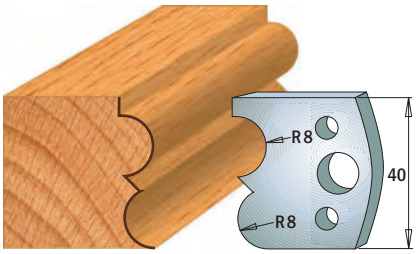

| | |
|---|---|
| Pair of knives | **690.025** |
| Pair of limiters | **691.025** |



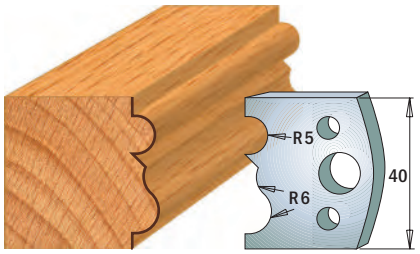

| | |
|---|---|
| Pair of knives | **690.026** |
| Pair of limiters | **691.026** |




| | |
|---|---|
| Pair of knives | **690.027** |
| Pair of limiters | **691.027** |




| | |
|---|---|
| Pair of knives | **690.028** |
| Pair of limiters | **691.028** |



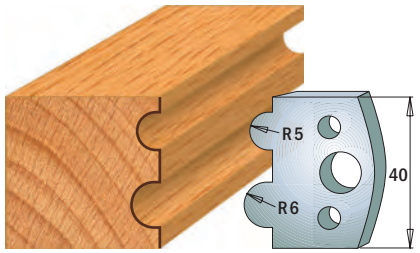

| | |
|---|---|
| Pair of knives | **690.029** |
| Pair of limiters | **691.029** |

**NOTE:** all knives & limiters available only in pairs.
Drawings are 1:2 scale. Dimensions in mm.

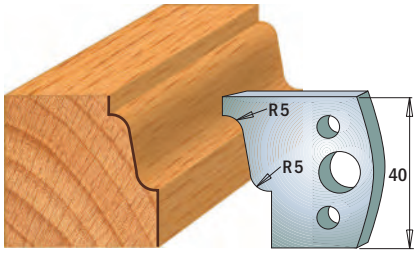
# Profile Knives and Limiters

Cutting Length=40mm Thickness=4mm **Pack Qty. 10**

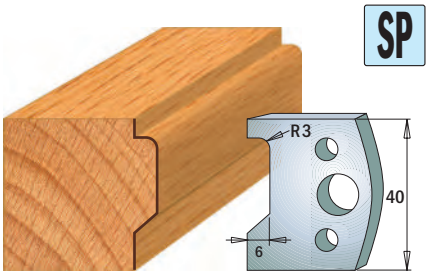
SP



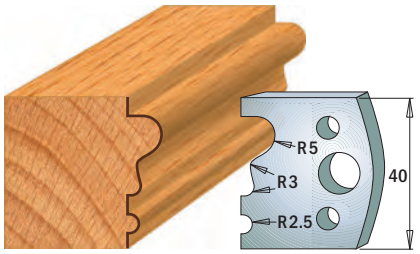

| | |
|---|---|
| Pair of knives | **690.030** |
| Pair of limiters | **691.030** |



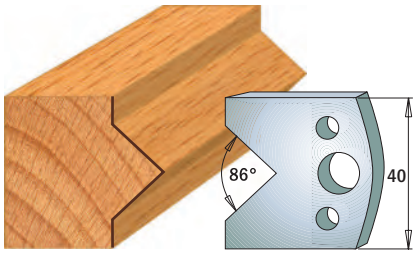

| | |
|---|---|
| Pair of knives | **690.031** |
| Pair of limiters | **691.031** |



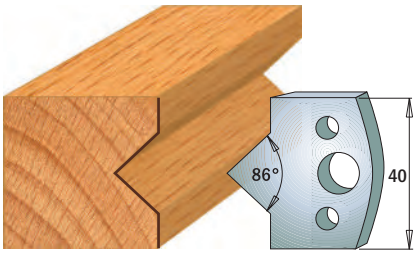

| | |
|---|---|
| Pair of knives | **690.032** |
| Pair of limiters | **691.032** |



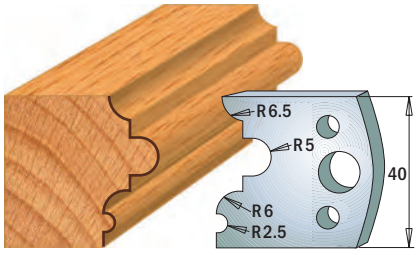

| | |
|---|---|
| Pair of knives | **690.033** |
| Pair of limiters | **691.033** |



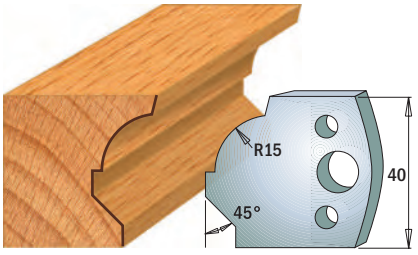

| | |
|---|---|
| Pair of knives | **690.034** |
| Pair of limiters | **691.034** |



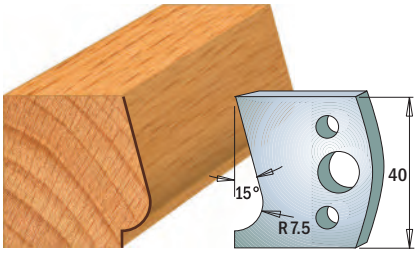

| | |
|---|---|
| Pair of knives | **690.035** |
| Pair of limiters | **691.035** |



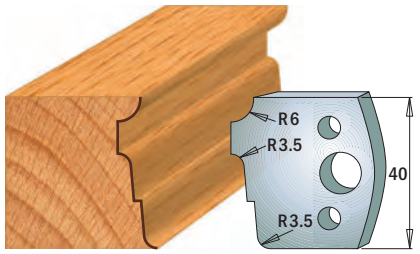

| | |
|---|---|
| Pair of knives | **690.036** |
| Pair of limiters | **691.036** |



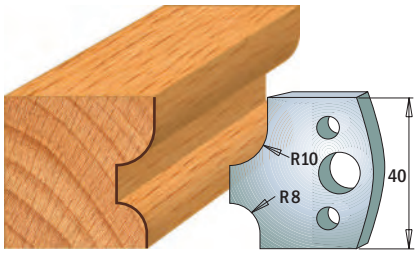

| | |
|---|---|
| Pair of knives | **690.037** |
| Pair of limiters | **691.037** |



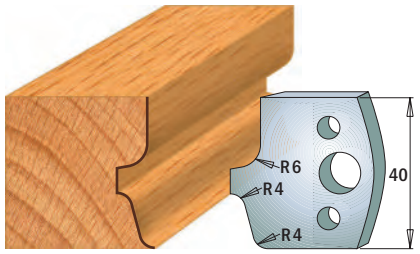

| | |
|---|---|
| Pair of knives | **690.038** |
| Pair of limiters | **691.038** |



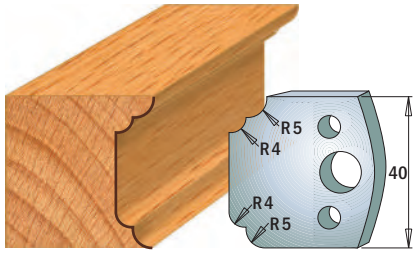

| | |
|---|---|
| Pair of knives | **690.039** |
| Pair of limiters | **691.039** |



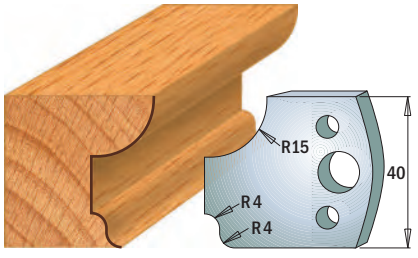

| | |
|---|---|
| Pair of knives | **690.040** |
| Pair of limiters | **691.040** |



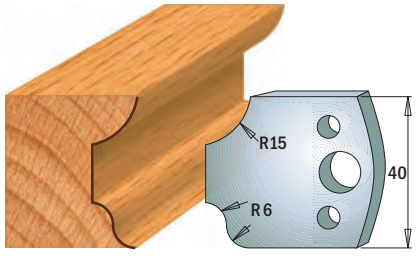

| | |
|---|---|
| Pair of knives | **690.041** |
| Pair of limiters | **691.041** |




| | |
|---|---|
| Pair of knives | **690.042** |
| Pair of limiters | **691.042** |



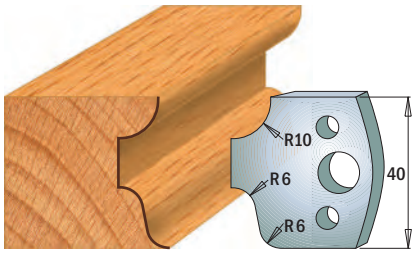

| | |
|---|---|
| Pair of knives | **690.043** |
| Pair of limiters | **691.043** |



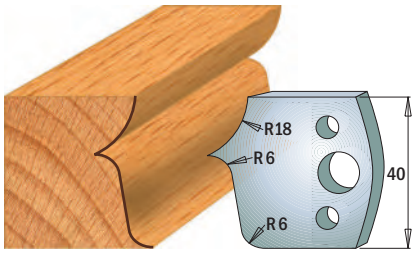

| | |
|---|---|
| Pair of knives | **690.044** |
| Pair of limiters | **691.044** |

**NOTE:** all knives & limiters available only in pairs.
Drawings are 1:2 scale. Dimensions in mm.

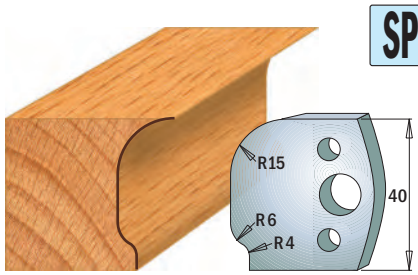
SP



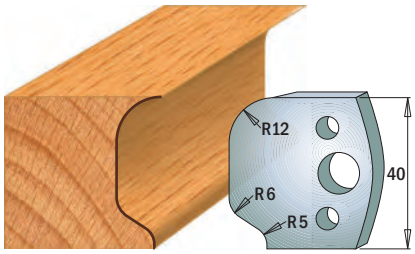

| | |
|---|---|
| Pair of knives | **690.045** |
| Pair of limiters | **691.045** |



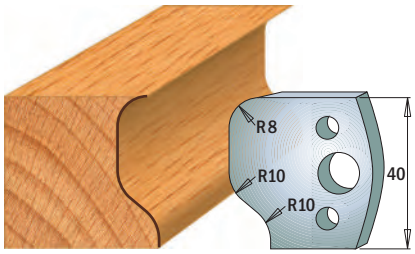

| | |
|---|---|
| Pair of knives | **690.046** |
| Pair of limiters | **691.046** |



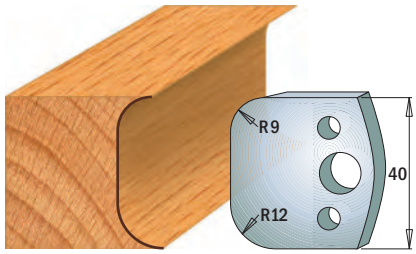

| | |
|---|---|
| Pair of knives | **690.047** |
| Pair of limiters | **691.047** |



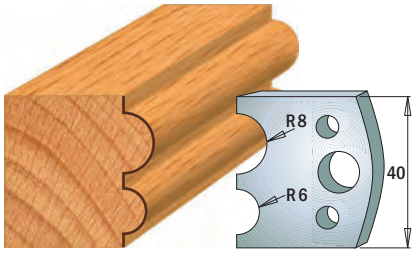

| | |
|---|---|
| Pair of knives | **690.048** |
| Pair of limiters | **691.048** |



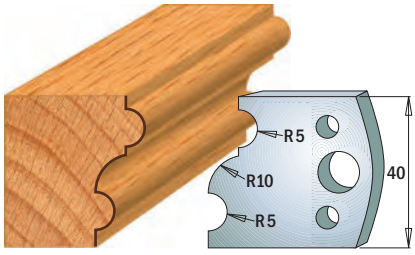

| | |
|---|---|
| Pair of knives | **690.049** |
| Pair of limiters | **691.049** |



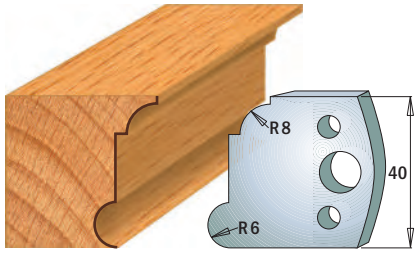

| | |
|---|---|
| Pair of knives | **690.050** |
| Pair of limiters | **691.050** |



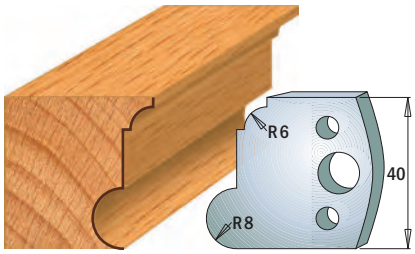

| | |
|---|---|
| Pair of knives | **690.051** |
| Pair of limiters | **691.051** |



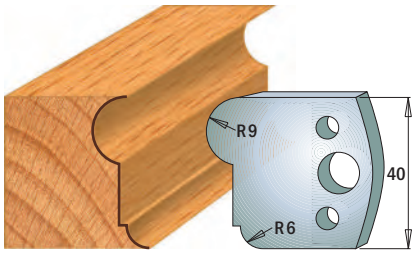

| | |
|---|---|
| Pair of knives | **690.052** |
| Pair of limiters | **691.052** |



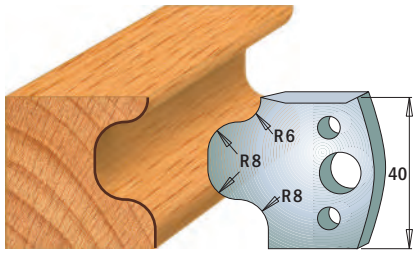

| | |
|---|---|
| Pair of knives | **690.053** |
| Pair of limiters | **691.053** |



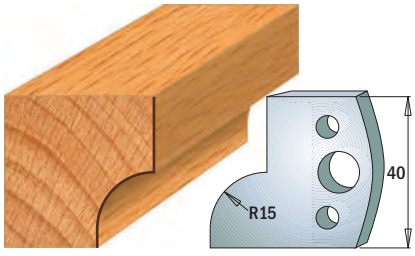

| | |
|---|---|
| Pair of knives | **690.054** |
| Pair of limiters | **691.054** |



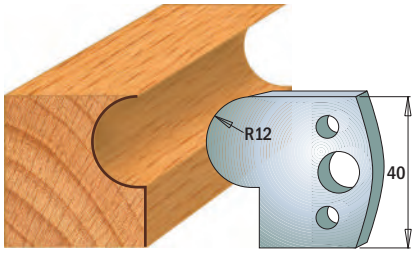

| | |
|---|---|
| Pair of knives | **690.055** |
| Pair of limiters | **691.055** |



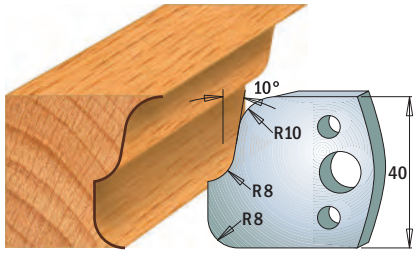

| | |
|---|---|
| Pair of knives | **690.056** |
| Pair of limiters | **691.056** |




| | |
|---|---|
| Pair of knives | **690.057** |
| Pair of limiters | **691.057** |




| | |
|---|---|
| Pair of knives | **690.058** |
| Pair of limiters | **691.058** |




| | |
|---|---|
| Pair of knives | **690.059** |
| Pair of limiters | **691.059** |

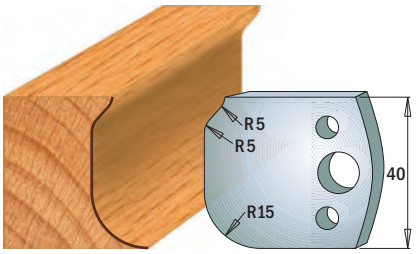
**NOTE:** all knives & limiters available only in pairs.
Drawings are 1:2 scale. Dimensions in mm.

# Profile Knives and Limiters

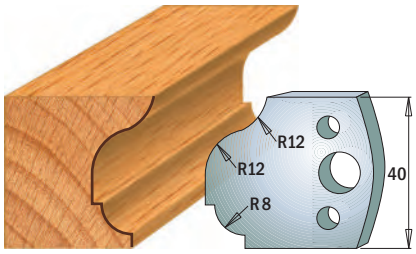
Cutting Length=40mm Thickness=4mm **Pack Qty. 10**

CMT ORANGE TOOLS®

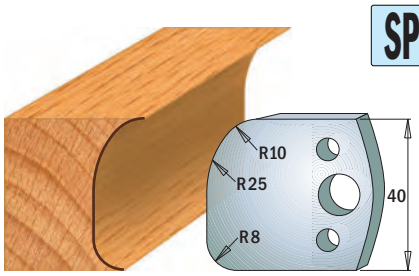
SP



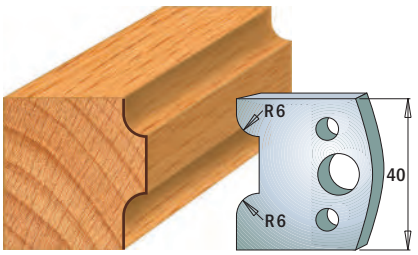

| | |
|---|---|
| Pair of knives | **690.060** |
| Pair of limiters | **691.060** |



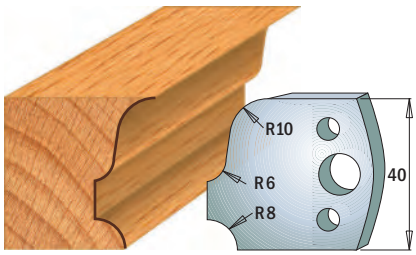

| | |
|---|---|
| Pair of knives | **690.061** |
| Pair of limiters | **691.061** |



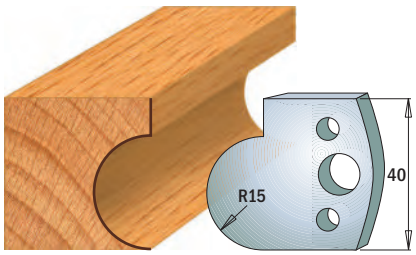

| | |
|---|---|
| Pair of knives | **690.062** |
| Pair of limiters | **691.062** |



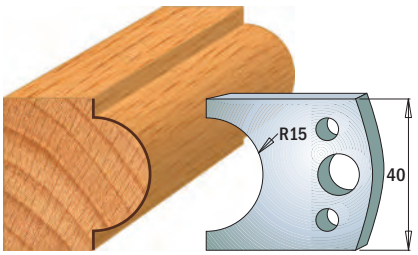

| | |
|---|---|
| Pair of knives | **690.063** |
| Pair of limiters | **691.063** |



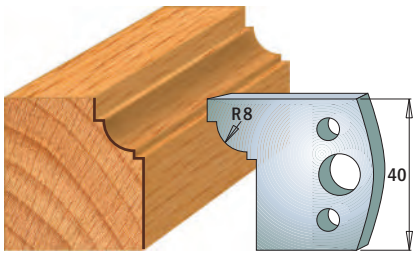

| | |
|---|---|
| Pair of knives | **690.064** |
| Pair of limiters | **691.064** |



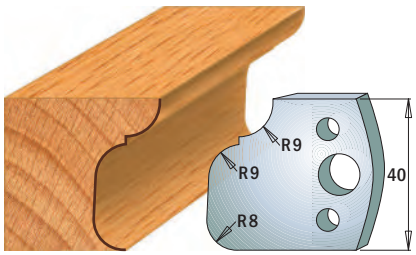

| | |
|---|---|
| Pair of knives | **690.065** |
| Pair of limiters | **691.065** |



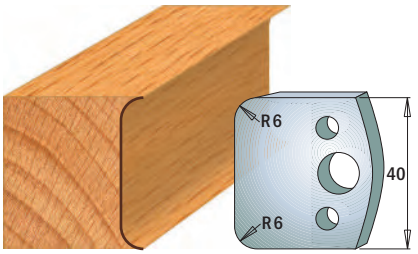

| | |
|---|---|
| Pair of knives | **690.066** |
| Pair of limiters | **691.066** |



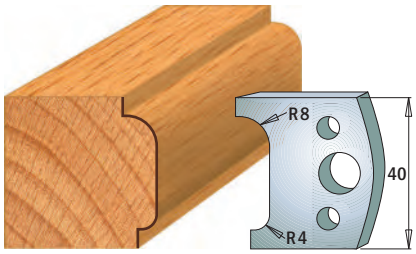

| | |
|---|---|
| Pair of knives | **690.067** |
| Pair of limiters | **691.067** |



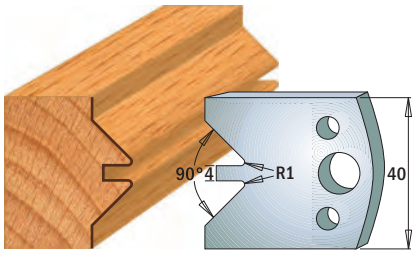

| | |
|---|---|
| Pair of knives | **690.068** |
| Pair of limiters | **691.068** |



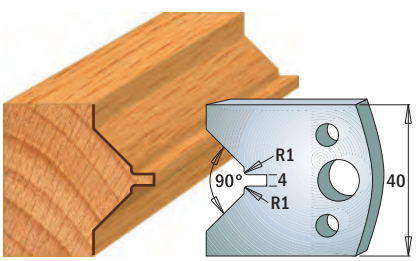

| | |
|---|---|
| Pair of knives | **690.069** |
| Pair of limiters | **691.069** |



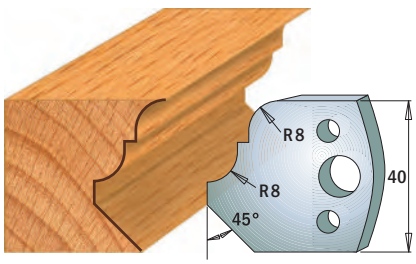

| | |
|---|---|
| Pair of knives | **690.070** |
| Pair of limiters | **691.070** |



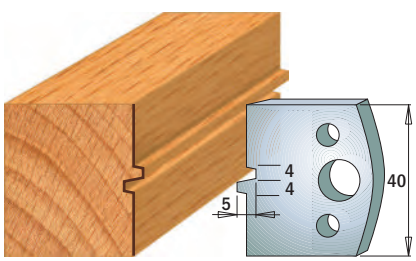

| | |
|---|---|
| Pair of knives | **690.071** |
| Pair of limiters | **691.071** |




| | |
|---|---|
| Pair of knives | **690.072** |
| Pair of limiters | **691.072** |



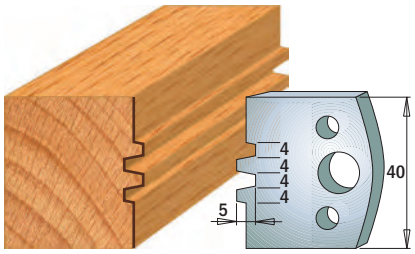

| | |
|---|---|
| Pair of knives | **690.073** |
| Pair of limiters | **691.073** |



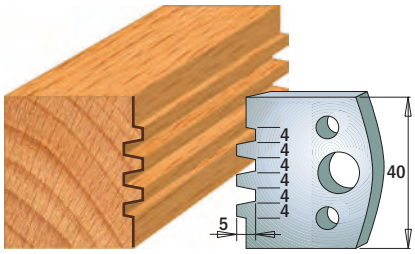

| | |
|---|---|
| Pair of knives | **690.074** |
| Pair of limiters | **691.074** |

**NOTE:** all knives & limiters available only in pairs.
Drawings are 1:2 scale. Dimensions in mm.

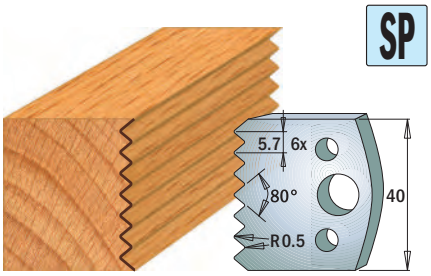
SP



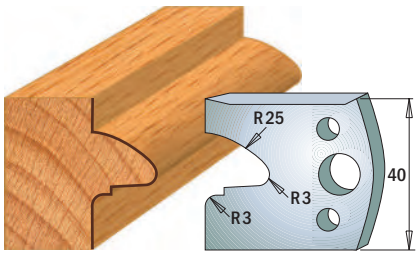

| | |
|---|---|
| Pair of knives | **690.075** |
| Pair of limiters | **691.075** |



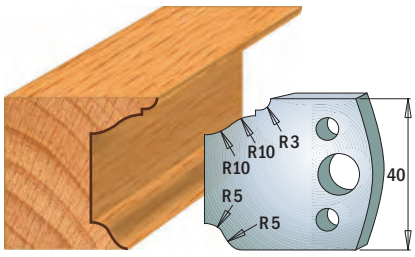

| | |
|---|---|
| Pair of knives | **690.076** |
| Pair of limiters | **691.076** |



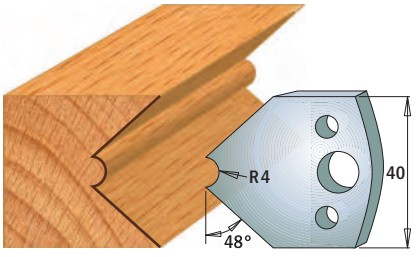

| | |
|---|---|
| Pair of knives | **690.077** |
| Pair of limiters | **691.077** |



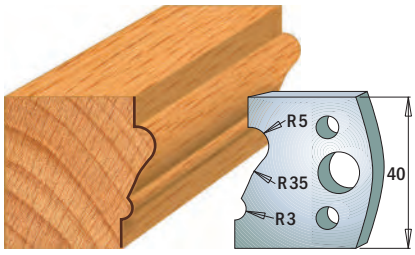

| | |
|---|---|
| Pair of knives | **690.078** |
| Pair of limiters | **691.078** |



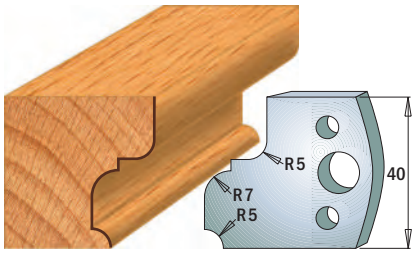

| | |
|---|---|
| Pair of knives | **690.079** |
| Pair of limiters | **691.079** |



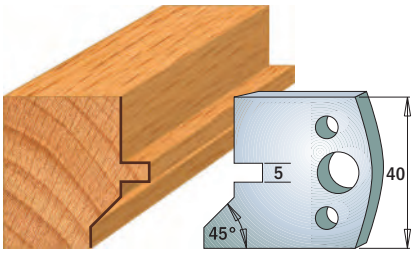

| | |
|---|---|
| Pair of knives | **690.080** |
| Pair of limiters | **691.080** |



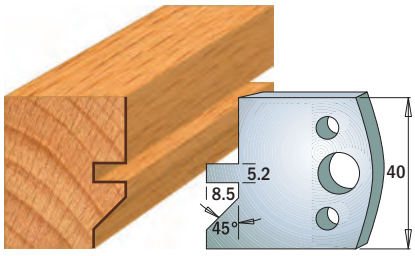

| | |
|---|---|
| Pair of knives | **690.081** |
| Pair of limiters | **691.081** |



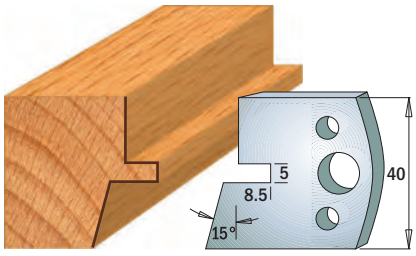

| | |
|---|---|
| Pair of knives | **690.082** |
| Pair of limiters | **691.082** |



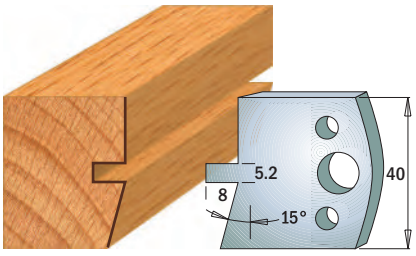

| | |
|---|---|
| Pair of knives | **690.083** |
| Pair of limiters | **691.083** |



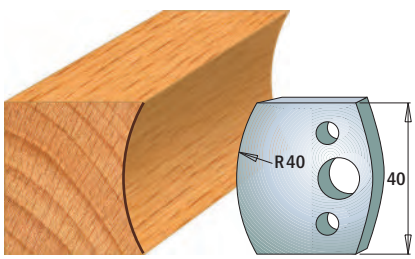

| | |
|---|---|
| Pair of knives | **690.084** |
| Pair of limiters | **691.084** |



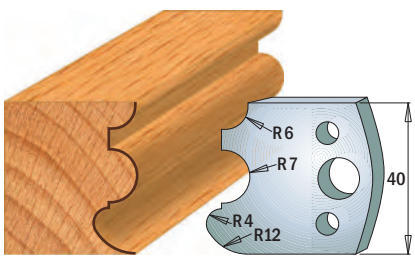

| | |
|---|---|
| Pair of knives | **690.085** |
| Pair of limiters | **691.085** |



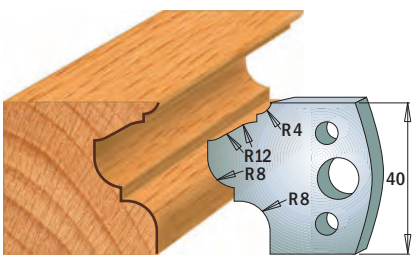

| | |
|---|---|
| Pair of knives | **690.086** |
| Pair of limiters | **691.086** |




| | |
|---|---|
| Pair of knives | **690.087** |
| Pair of limiters | **691.087** |



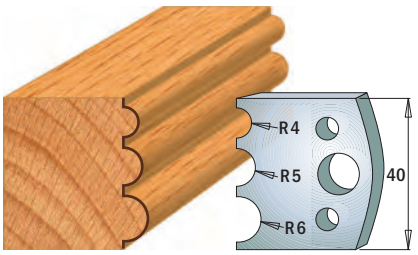

| | |
|---|---|
| Pair of knives | **690.088** |
| Pair of limiters | **691.088** |



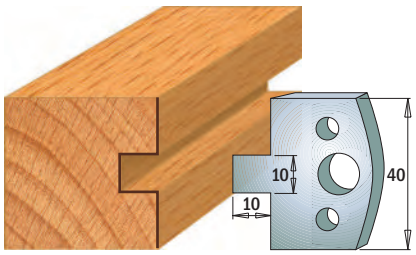

| | |
|---|---|
| Pair of knives | **690.089** |
| Pair of limiters | **691.089** |

**NOTE:** all knives & limiters available only in pairs.
Drawings are 1:2 scale. Dimensions in mm.

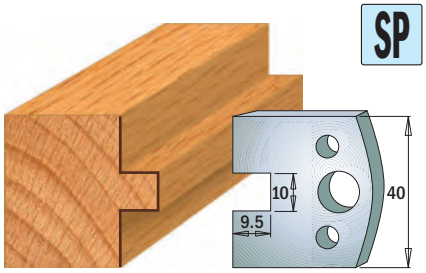
SP



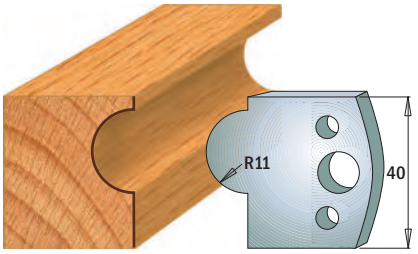

| | |
|---|---|
| Pair of knives | **690.090** |
| Pair of limiters | **691.090** |



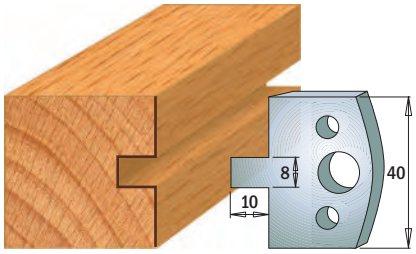

| | |
|---|---|
| Pair of knives | **690.091** |
| Pair of limiters | **691.091** |



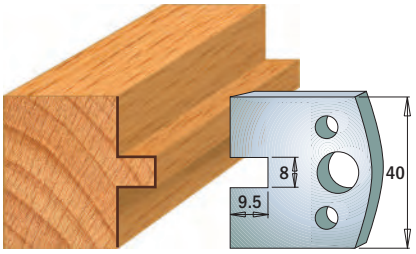

| | |
|---|---|
| Pair of knives | **690.092** |
| Pair of limiters | **691.092** |



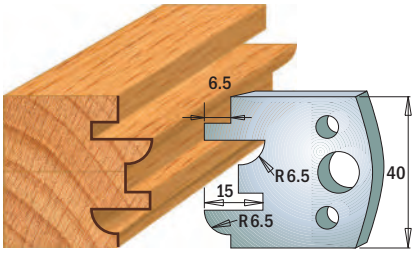

| | |
|---|---|
| Pair of knives | **690.093** |
| Pair of limiters | **691.093** |



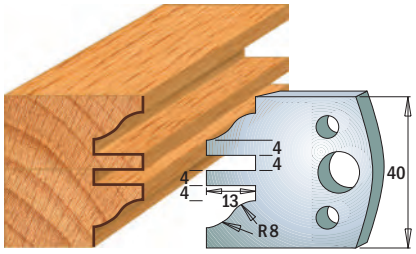

| | |
|---|---|
| Pair of knives | **690.094** |
| Pair of limiters | **691.094** |



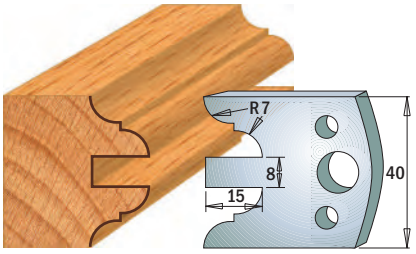

| | |
|---|---|
| Pair of knives | **690.095** |
| Pair of limiters | **691.095** |



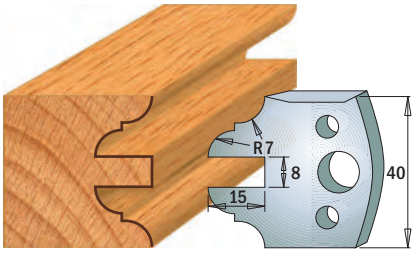

| | |
|---|---|
| Pair of knives | **690.096** |
| Pair of limiters | **691.096** |



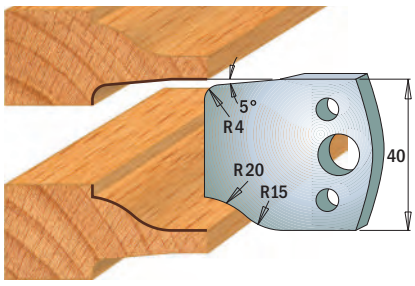

| | |
|---|---|
| Pair of knives | **690.097** |
| Pair of limiters | **691.097** |



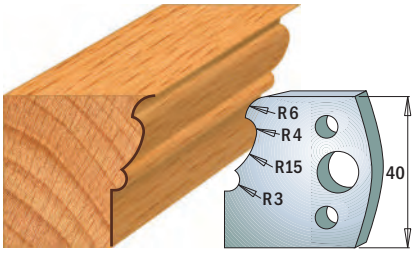

| | |
|---|---|
| Pair of knives | **690.098** |
| Pair of limiters | **691.098** |



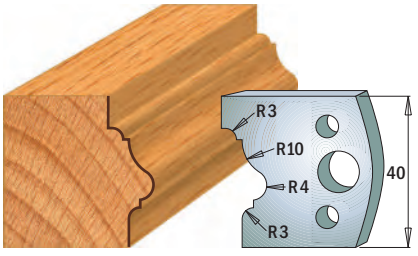

| | |
|---|---|
| Pair of knives | **690.099** |
| Pair of limiters | **691.099** |



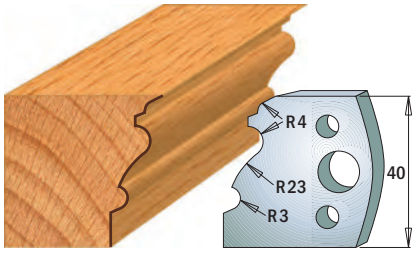

| | |
|---|---|
| Pair of knives | **690.100** |
| Pair of limiters | **691.100** |



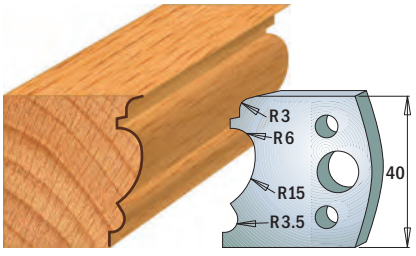

| | |
|---|---|
| Pair of knives | **690.101** |
| Pair of limiters | **691.101** |




| | |
|---|---|
| Pair of knives | **690.102** |
| Pair of limiters | **691.102** |



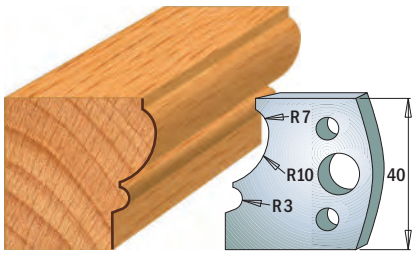

| | |
|---|---|
| Pair of knives | **690.103** |
| Pair of limiters | **691.103** |



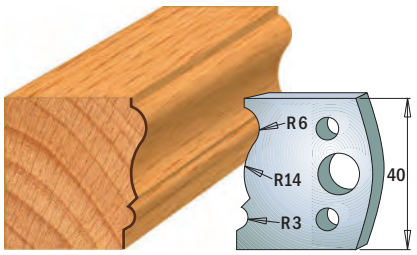

| | |
|---|---|
| Pair of knives | **690.104** |
| Pair of limiters | **691.104** |

**NOTE:** all knives & limiters available only in pairs.
Drawings are 1:2 scale. Dimensions in mm.

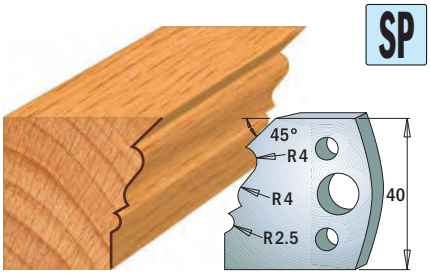
SP



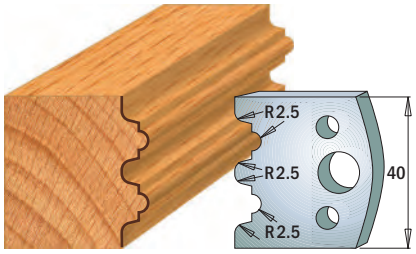

| | |
|---|---|
| Pair of knives | **690.105** |
| Pair of limiters | **691.105** |



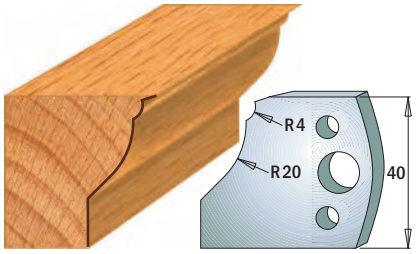

| | |
|---|---|
| Pair of knives | **690.106** |
| Pair of limiters | **691.106** |



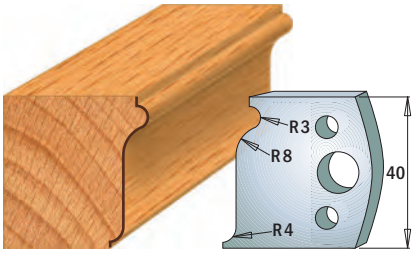

| | |
|---|---|
| Pair of knives | **690.107** |
| Pair of limiters | **691.107** |



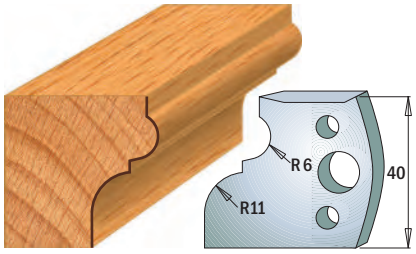

| | |
|---|---|
| Pair of knives | **690.108** |
| Pair of limiters | **691.108** |



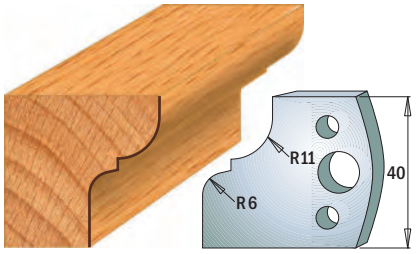

| | |
|---|---|
| Pair of knives | **690.109** |
| Pair of limiters | **691.109** |



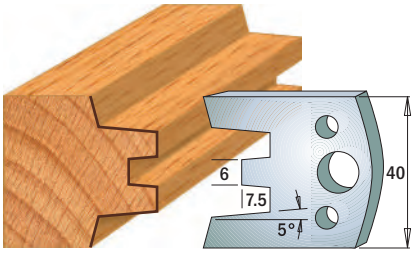

| | |
|---|---|
| Pair of knives | **690.110** |
| Pair of limiters | **691.110** |



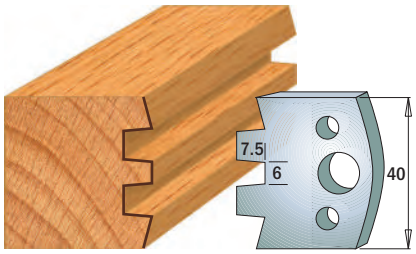

| | |
|---|---|
| Pair of knives | **690.111** |
| Pair of limiters | **691.111** |



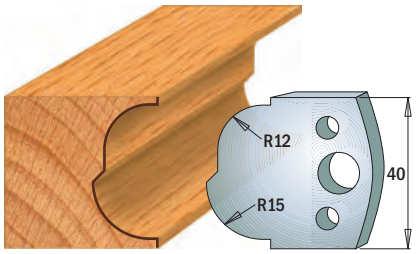

| | |
|---|---|
| Pair of knives | **690.112** |
| Pair of limiters | **691.112** |



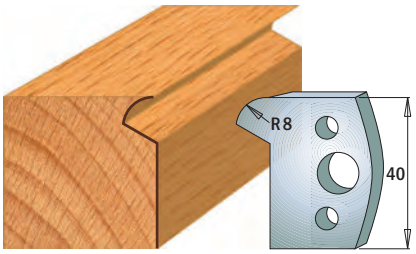

| | |
|---|---|
| Pair of knives | **690.113** |
| Pair of limiters | **691.113** |



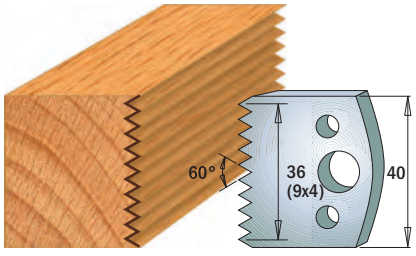

| | |
|---|---|
| Pair of knives | **690.114** |
| Pair of limiters | **691.114** |



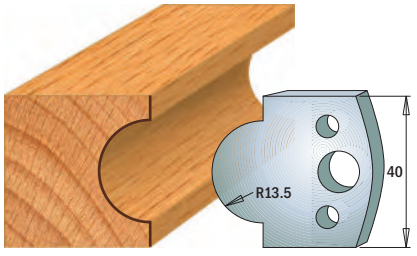

| | |
|---|---|
| Pair of knives | **690.115** |
| Pair of limiters | **691.115** |



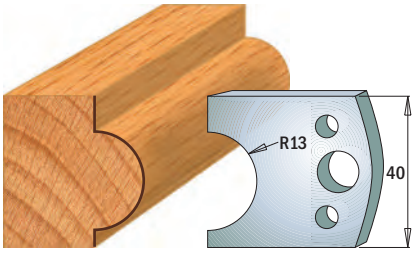

| | |
|---|---|
| Pair of knives | **690.116** |
| Pair of limiters | **691.116** |




| | |
|---|---|
| Pair of knives | **690.117** |
| Pair of limiters | **691.117** |




| | |
|---|---|
| Pair of knives | **690.118** |
| Pair of limiters | **691.118** |



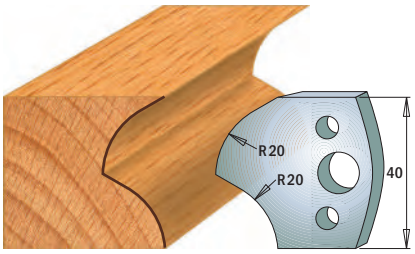

| | |
|---|---|
| Pair of knives | **690.119** |
| Pair of limiters | **691.119** |

**NOTE:** all knives & limiters available only in pairs.
Drawings are 1:2 scale. Dimensions in mm.

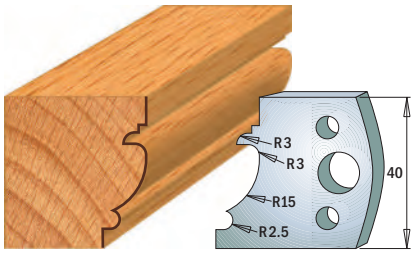
# Profile Knives and Limiters

Cutting Length=40mm Thickness=4mm **Pack Qty. 10**

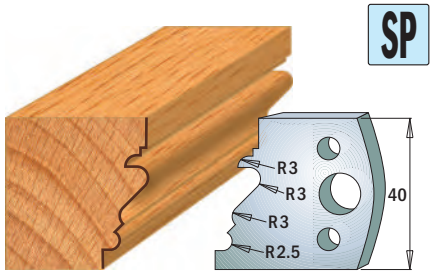
SP



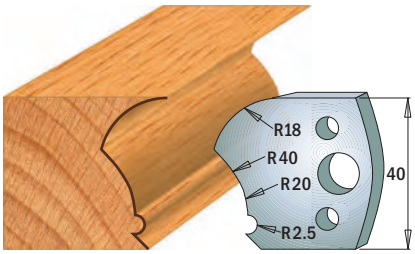

| | |
|---|---|
| Pair of knives | **690.120** |
| Pair of limiters | **691.120** |



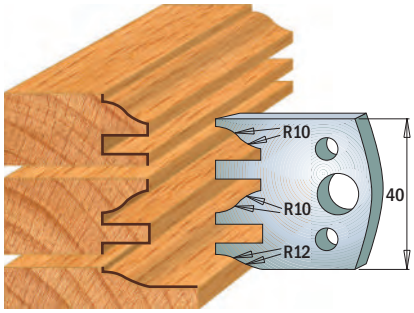

| | |
|---|---|
| Pair of knives | **690.121** |
| Pair of limiters | **691.121** |



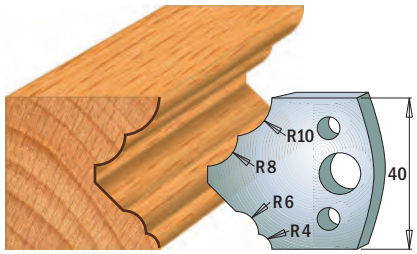

| | |
|---|---|
| Pair of knives | **690.122** |
| Pair of limiters | **691.122** |



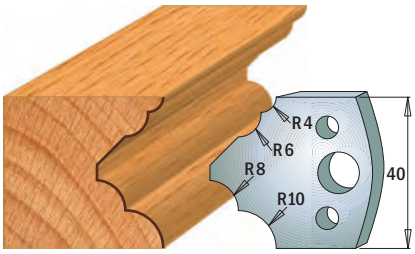

| | |
|---|---|
| Pair of knives | **690.123** |
| Pair of limiters | **691.123** |



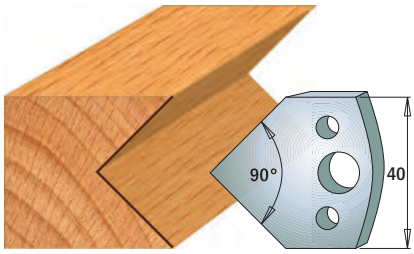

| | |
|---|---|
| Pair of knives | **690.124** |
| Pair of limiters | **691.124** |



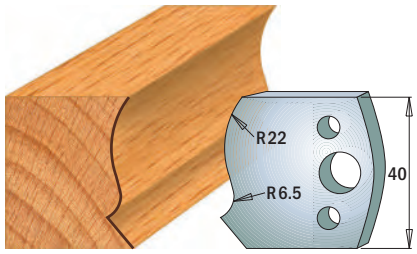

| | |
|---|---|
| Pair of knives | **690.125** |
| Pair of limiters | **691.125** |



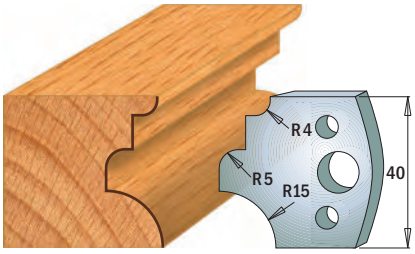

| | |
|---|---|
| Pair of knives | **690.126** |
| Pair of limiters | **691.126** |



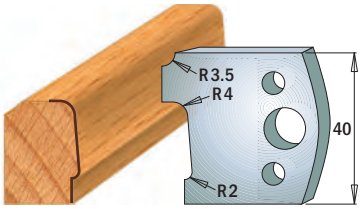

| | |
|---|---|
| Pair of knives | **690.127** |
| Pair of limiters | **691.127** |



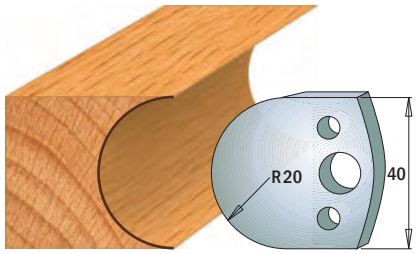

| | |
|---|---|
| Pair of knives | **690.128** |
| Pair of limiters | **691.128** |



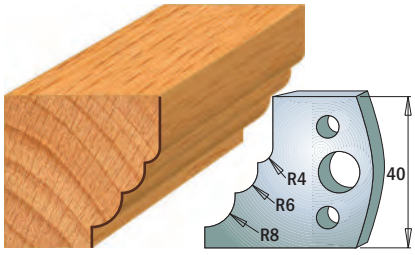

| | |
|---|---|
| Pair of knives | **690.129** |
| Pair of limiters | **691.129** |



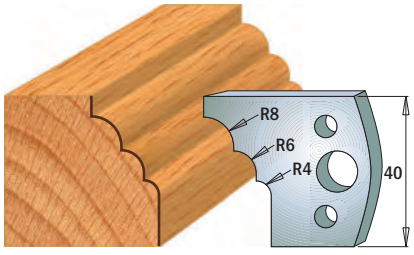

| | |
|---|---|
| Pair of knives | **690.130** |
| Pair of limiters | **691.130** |



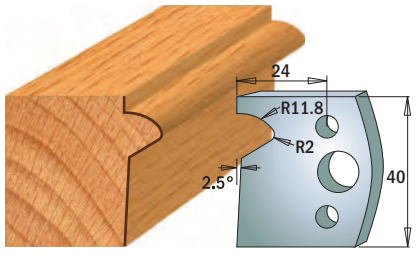

| | |
|---|---|
| Pair of knives | **690.131** |
| Pair of limiters | **691.131** |




| | |
|---|---|
| Pair of knives | **690.132** |
| Pair of limiters | **691.132** |




| | |
|---|---|
| Pair of knives | **690.133** |
| Pair of limiters | **691.133** |



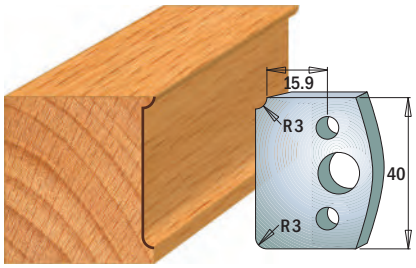

| | |
|---|---|
| Pair of knives | **690.135** |
| Pair of limiters | **691.135** |

**NOTE:** all knives & limiters available only in pairs.
Drawings are 1:2 scale. Dimensions in mm.

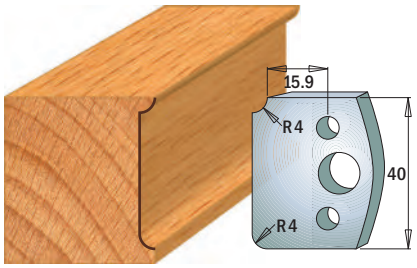
# Profile Knives and Limiters

Cutting Length=40mm Thickness=4mm **Pack Qty. 10**

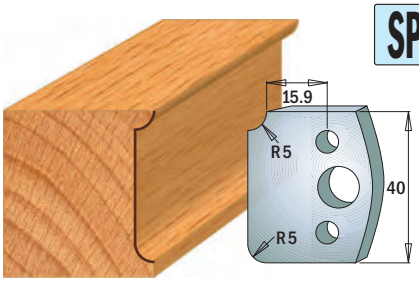
SP



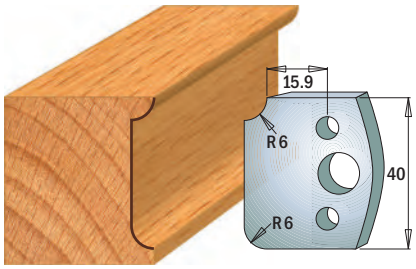

| | |
|---|---|
| Pair of knives | **690.170** |
| Pair of limiters | **691.170** |



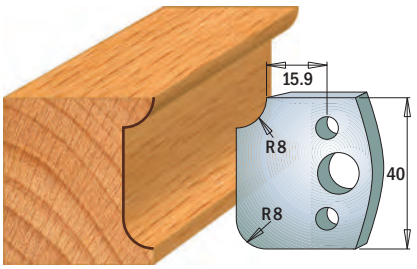

| | |
|---|---|
| Pair of knives | **690.171** |
| Pair of limiters | **691.171** |



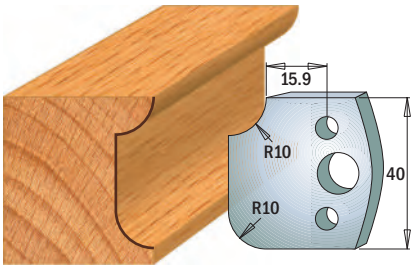

| | |
|---|---|
| Pair of knives | **690.172** |
| Pair of limiters | **691.172** |



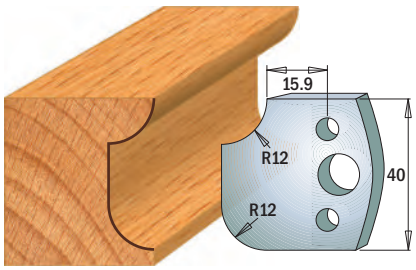

| | |
|---|---|
| Pair of knives | **690.173** |
| Pair of limiters | **691.173** |



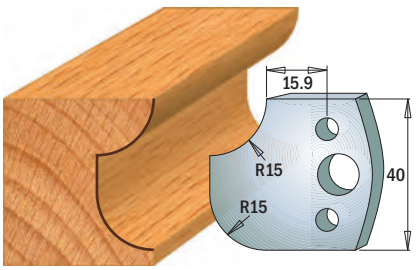

| | |
|---|---|
| Pair of knives | **690.174** |
| Pair of limiters | **691.174** |



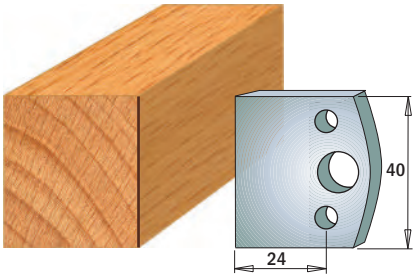

| | |
|---|---|
| Pair of knives | **690.175** |
| Pair of limiters | **691.175** |




| | |
|---|---|
| Pair of knives | **690.176** |
| Pair of limiters | **691.176** |

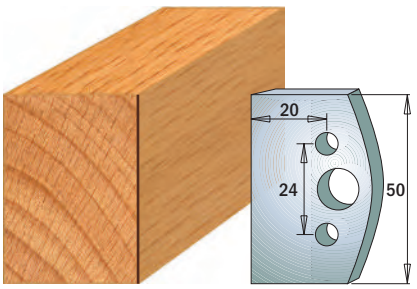



| | |
|---|---|
| Pair of knives | **690.177** |
| Pair of limiters | **691.177** |

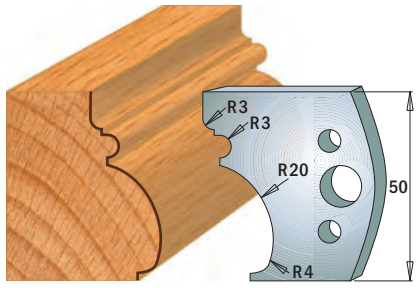



| | |
|---|---|
| Pair of knives | **690.192** |
| Pair of limiters | **691.192** |

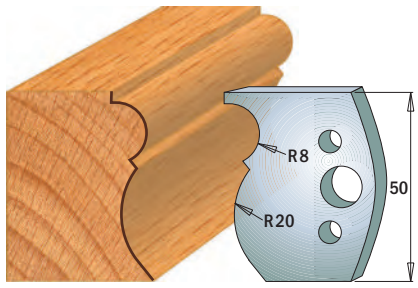
## Cutting Length=50mm **Pack Qty. 10**



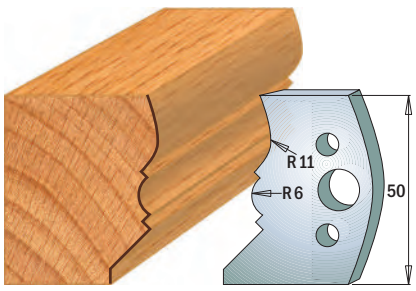

| | |
|---|---|
| Pair of knives | **690.500** |
| Pair of limiters | **691.500** |



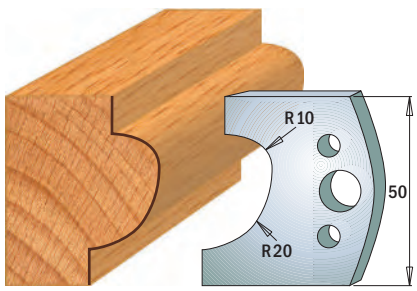

| | |
|---|---|
| Pair of knives | **690.501** |
| Pair of limiters | **691.501** |



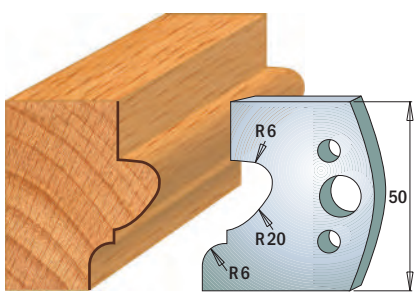

| | |
|---|---|
| Pair of knives | **690.502** |
| Pair of limiters | **691.502** |




| | |
|---|---|
| Pair of knives | **690.503** |
| Pair of limiters | **691.503** |




| | |
|---|---|
| Pair of knives | **690.504** |
| Pair of limiters | **691.504** |



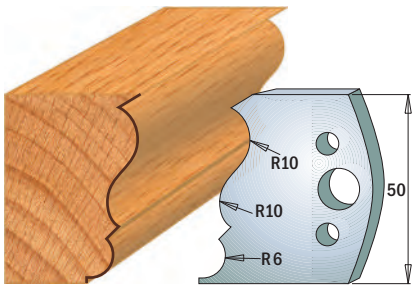

| | |
|---|---|
| Pair of knives | **690.505** |
| Pair of limiters | **691.505** |

**NOTE:** all knives & limiters available only in pairs.
Drawings are 1:2 scale. Dimensions in mm.

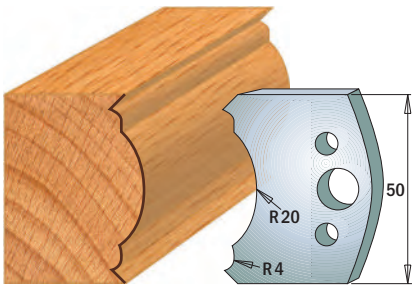
# Profile Knives and Limiters

Cutting Length=50mm Thickness=4mm **Pack Qty. 10**

CMT ORANGE TOOLS®

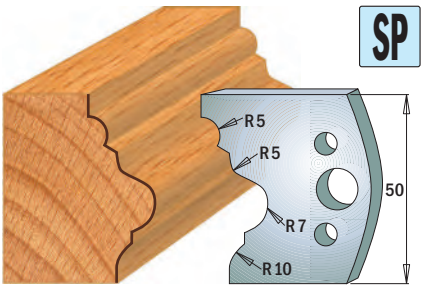



| | |
|---|---|
| Pair of knives | **690.506** |
| Pair of limiters | **691.506** |

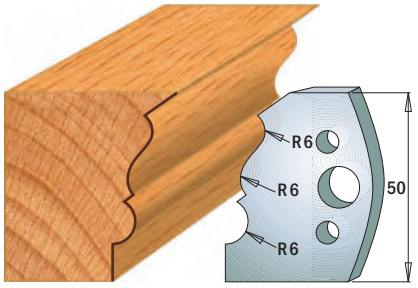



| | |
|---|---|
| Pair of knives | **690.507** |
| Pair of limiters | **691.507** |

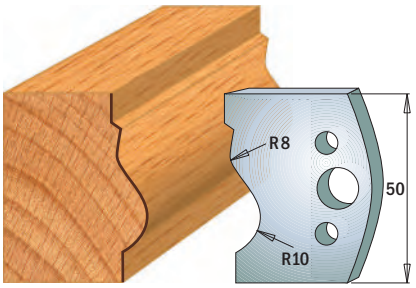
SP



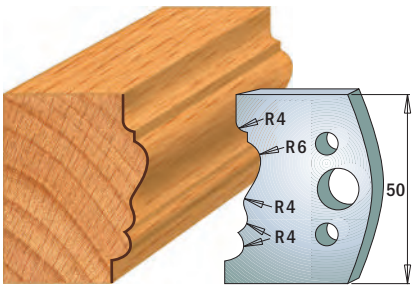

| | |
|---|---|
| Pair of knives | **690.508** |
| Pair of limiters | **691.508** |



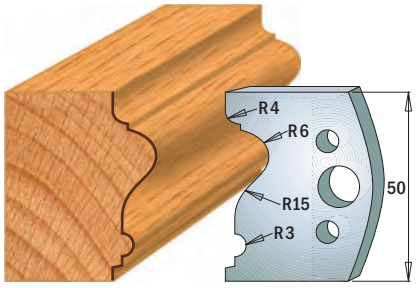

| | |
|---|---|
| Pair of knives | **690.509** |
| Pair of limiters | **691.509** |



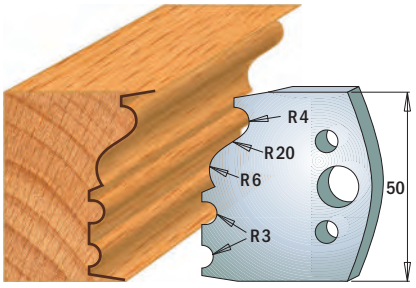

| | |
|---|---|
| Pair of knives | **690.510** |
| Pair of limiters | **691.510** |



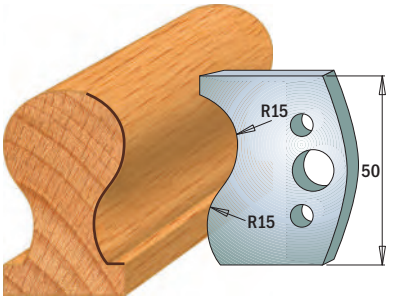

| | |
|---|---|
| Pair of knives | **690.511** |
| Pair of limiters | **691.511** |



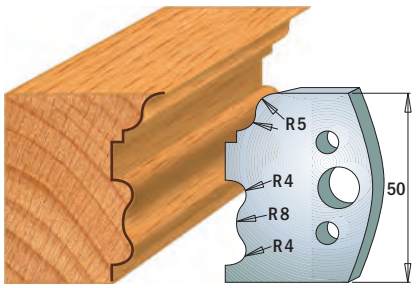

| | |
|---|---|
| Pair of knives | **690.512** |
| Pair of limiters | **691.512** |



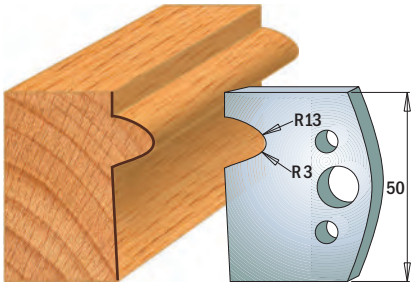

| | |
|---|---|
| Pair of knives | **690.513** |
| Pair of limiters | **691.513** |



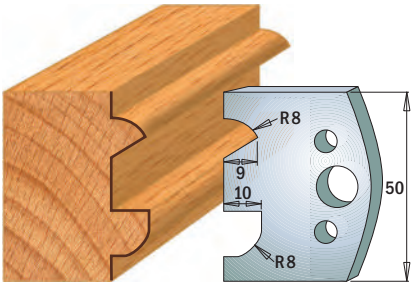

| | |
|---|---|
| Pair of knives | **690.514** |
| Pair of limiters | **691.514** |



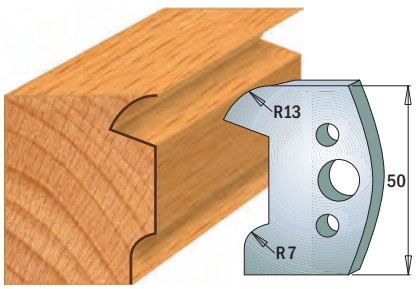

| | |
|---|---|
| Pair of knives | **690.515** |
| Pair of limiters | **691.515** |



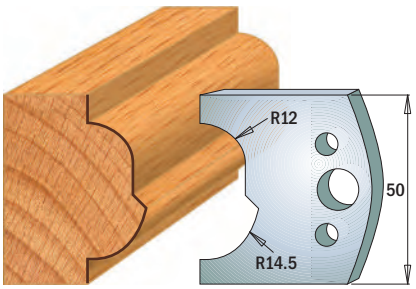

| | |
|---|---|
| Pair of knives | **690.516** |
| Pair of limiters | **691.516** |



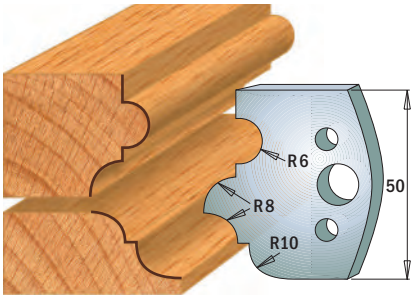

| | |
|---|---|
| Pair of knives | **690.517** |
| Pair of limiters | **691.517** |




| | |
|---|---|
| Pair of knives | **690.518** |
| Pair of limiters | **691.518** |

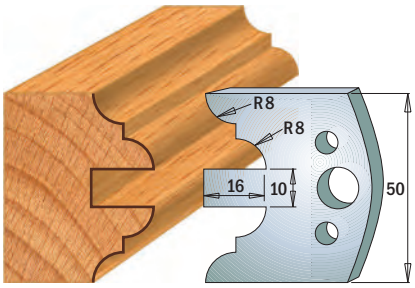



| | |
|---|---|
| Pair of knives | **690.519** |
| Pair of limiters | **691.519** |

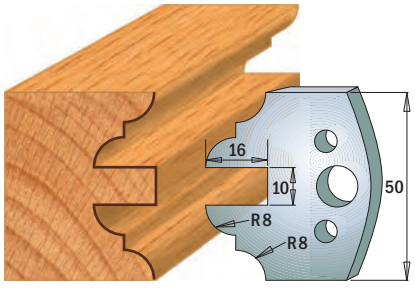



| | |
|---|---|
| Pair of knives | **690.520** |
| Pair of limiters | **691.520** |

**NOTE:** all knives & limiters available only in pairs.
Drawings are 1:2 scale. Dimensions in mm.

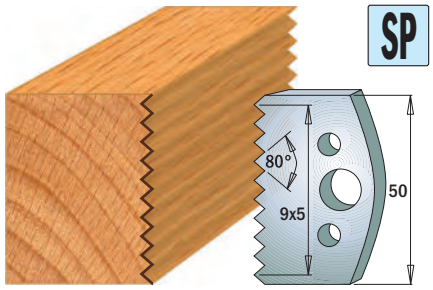



| | |
|---|---|
| Pair of knives | **690.522** |
| Pair of limiters | **691.522** |

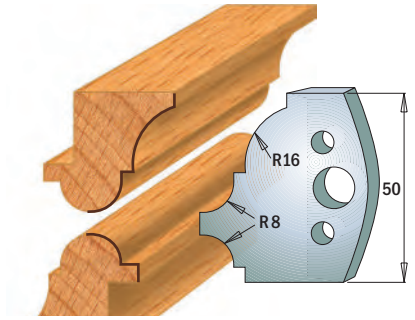



| | |
|---|---|
| Pair of knives | **690.523** |
| Pair of limiters | **691.523** |

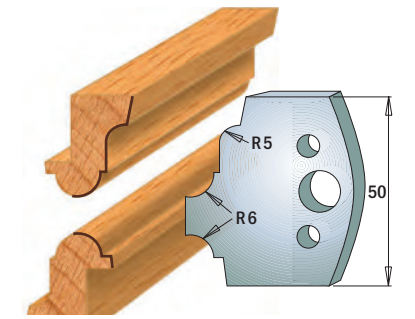
SP



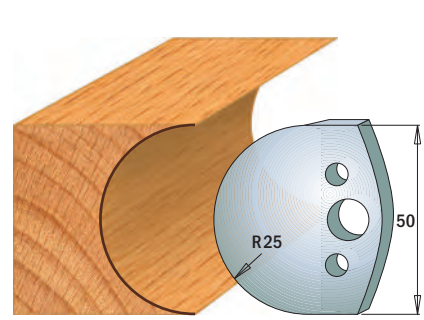

| | |
|---|---|
| Pair of knives | **690.524** |
| Pair of limiters | **691.524** |



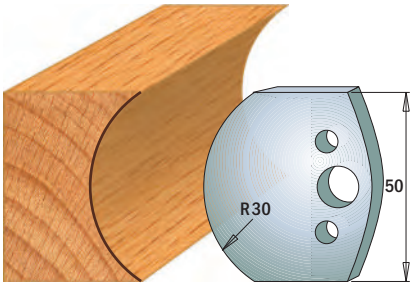

| | |
|---|---|
| Pair of knives | **690.541** |
| Pair of limiters | **691.541** |



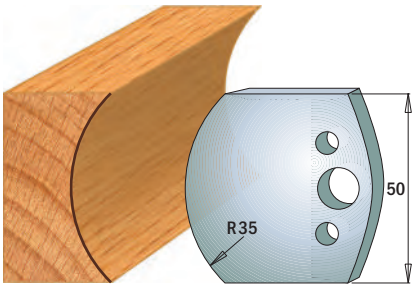

| | |
|---|---|
| Pair of knives | **690.542** |
| Pair of limiters | **691.542** |



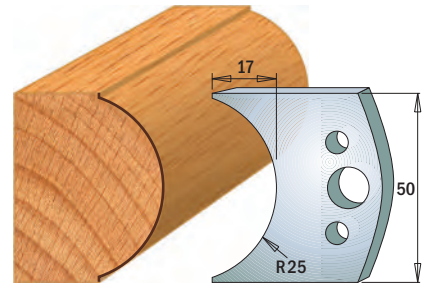

| | |
|---|---|
| Pair of knives | **690.543** |
| Pair of limiters | **691.543** |



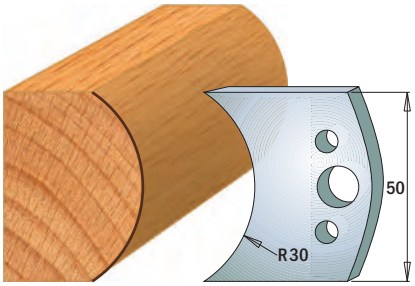

| | |
|---|---|
| Pair of knives | **690.544** |
| Pair of limiters | **691.544** |



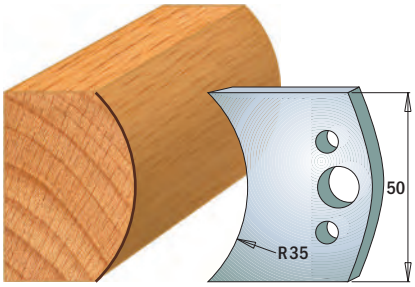

| | |
|---|---|
| Pair of knives | **690.545** |
| Pair of limiters | **691.545** |



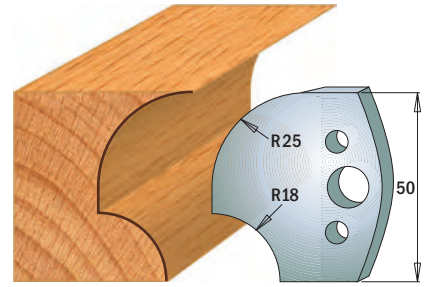

| | |
|---|---|
| Pair of knives | **690.546** |
| Pair of limiters | **691.546** |



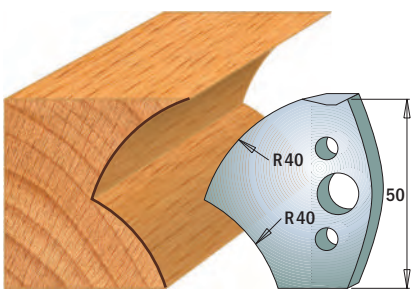

| | |
|---|---|
| Pair of knives | **690.547** |
| Pair of limiters | **691.547** |



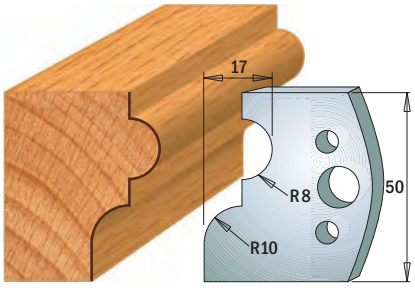

| | |
|---|---|
| Pair of knives | **690.548** |
| Pair of limiters | **691.548** |



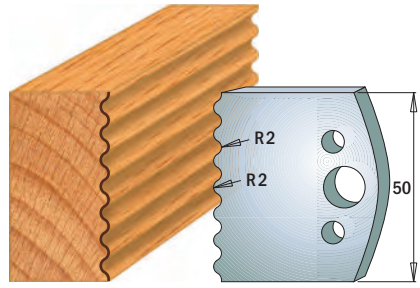

| | |
|---|---|
| Pair of knives | **690.549** |
| Pair of limiters | **691.549** |




| | |
|---|---|
| Pair of knives | **690.550** |
| Pair of limiters | **691.550** |




| | |
|---|---|
| Pair of knives | **690.551** |
| Pair of limiters | **691.551** |

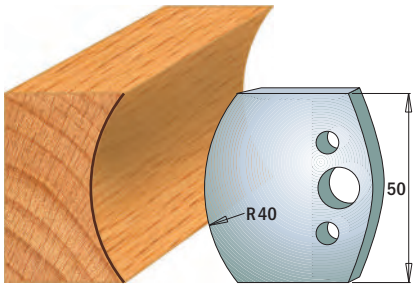



| | |
|---|---|
| Pair of knives | **690.552** |
| Pair of limiters | **691.552** |

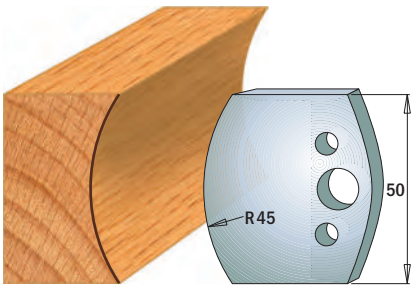
**NOTE:** all knives & limiters available only in pairs.
Drawings are 1:2 scale. Dimensions in mm.

# Profile Knives and Limiters

Cutting Length=50mm Thickness=4mm **Pack Qty. 10**

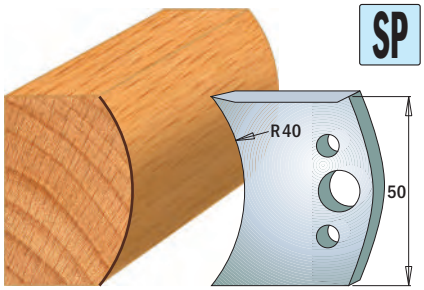



| | |
|---|---|
| Pair of knives | **690.553** |
| Pair of limiters | **691.553** |

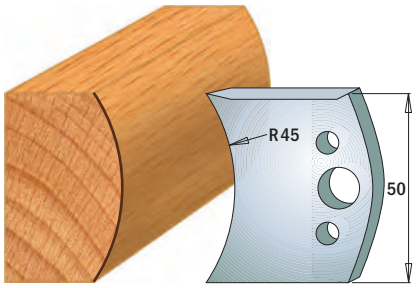



| | |
|---|---|
| Pair of knives | **690.554** |
| Pair of limiters | **691.554** |

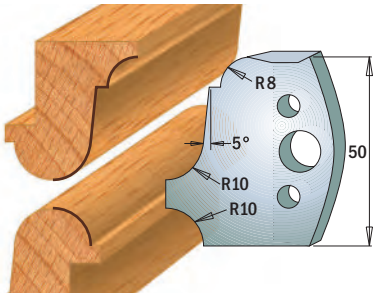
SP



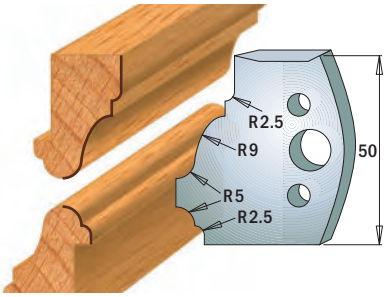

| | |
|---|---|
| Pair of knives | **690.555** |
| Pair of limiters | **691.555** |



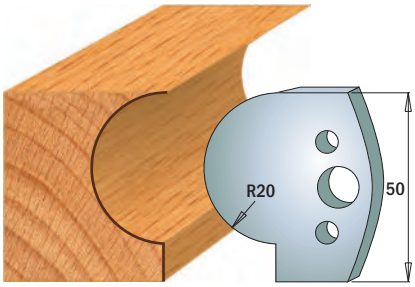

| | |
|---|---|
| Pair of knives | **690.556** |
| Pair of limiters | **691.556** |



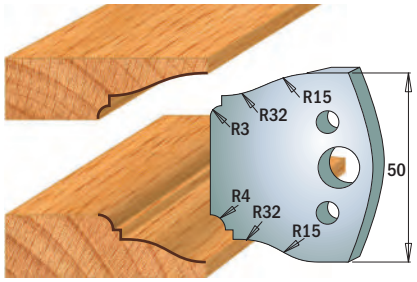

| | |
|---|---|
| Pair of knives | **690.557** |
| Pair of limiters | **691.557** |




| | |
|---|---|
| Pair of knives | **690.558** |
| Pair of limiters | **691.558** |




| | |
|---|---|
| Pair of knives | **690.562** |
| Pair of limiters | **691.562** |



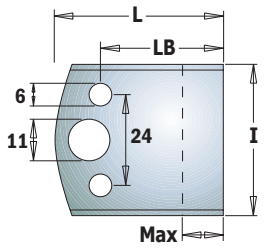

| | |
|---|---|
| Pair of knives | **690.568** |
| Pair of limiters | **691.568** |

**NOTE:** all knives & limiters available only in pairs.
Drawings are 1:2 scale. Dimensions in mm.

## Blank Knives & Limiters (to be sharpened)

**690-691**

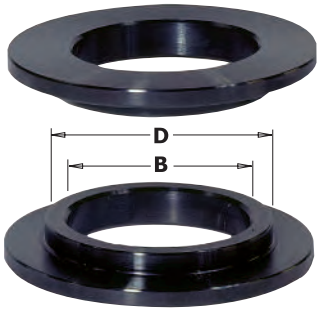
SP HSS




| DESCRIPTION | I mm | LB mm | L mm | MAX mm | | ORDER NO. SP | ORDER NO. HSS |
|---|---|---|---|---|---|---|---|
| Pair of knives | 40 | 32.5 | 44.5 | 18 | 10 | 690.193 | 690.193H |
| Pair of knives | 50 | 34 | 46 | 20 | 10 | 690.599 | 690.599H |
| | | | | | | | |
| Pair of limiters | 38 | 16 | 28 | 2 | 10 | 691.190 | |
| Pair of limiters | 38 | 24 | 36 | 10 | 10 | 691.192 | |
| Pair of limiters | 38 | 32.5 | 44.5 | 18 | 10 | 691.193 | |
| Pair of limiters | 48 | 34 | 46 | 20 | 10 | 691.599 | |

## Pair of Bore Reducers

**699**

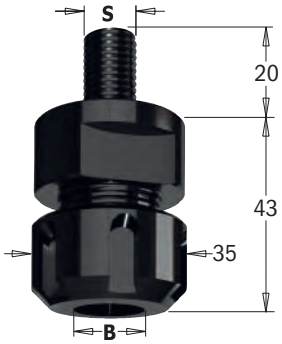



| D mm | B mm | | ORDER NO. | D mm | B mm | | ORDER NO. |
|---|---|---|---|---|---|---|---|
| 19.05 | 12.7 | 10 | 699.019.13 | 35 | 32 | 10 | 699.035.32 |
| 25.4 | 19.05 | 10 | 699.026.19 | 40 | 30 | 10 | 699.040.30 |
| 30 | 19.05 | 10 | 699.030.19 | 40 | 32 | 10 | 699.040.32 |
| 30 | 25.4 | 10 | 699.030.26 | 40 | 35 | 10 | 699.040.35 |
| 31.75 | 19.05 | 10 | 699.031.19 | 50 | 30 | 1 | 699.050.30 |
| 31.75 | 25.4 | 10 | 699.031.26 | 50 | 32 | 1 | 699.050.32 |
| 31.75 | 30 | 10 | 699.031.30 | 50 | 35 | 1 | 699.050.35 |
| 35 | 30 | 10 | 699.035.30 | 50 | 40 | 1 | 699.050.40 |
| 35 | 31.75 | 10 | 699.035.31 | | | | |

**To be used only in pairs.**

## Chucks & "ER20" Collets for Spindle Moulder Machine

**796**




| S mm | B mm | L mm | | ORDER NO. |
|---|---|---|---|---|
| M12x1.75 | 2 ~ 12.7 | 43 | 10 | 796.122.00 |
| M14x2 | 2 ~ 12.7 | 43 | 10 | 796.142.00 |
| M16x2 | 2 ~ 12.7 | 43 | 10 | 796.162.00 |

*Spare parts:* **992.483.03** M25x1.5mm clamping nut
**991.483.00** "ER20" key

**TECHNICAL DETAILS:**
- Super strength steel.
- Precisely machined for accuracy.

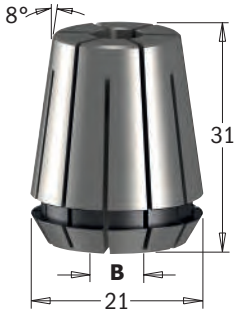
**Collet not included.**

**SAFETY TIPS**

The **TW-200** Torque Wrench is recommended for the proper fastening of clamping nuts. (See page 421)

## "ER20" Precision Collets for Chucks 796.122/142/162

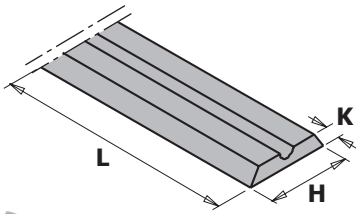
**184**




| B mm | | ORDER NO. | B mm | | ORDER NO. |
|---|---|---|---|---|---|
| 2 | 10 | 184.020.20 | 10 | 10 | 184.100.20 |
| 3 | 10 | 184.030.20 | 11 | 10 | 184.110.20 |
| 4 | 10 | 184.040.20 | 12 | 10 | 184.120.20 |
| 5 | 10 | 184.050.20 | 12.7 | 10 | 184.127.20 |
| 6 | 10 | 184.060.20 | | | |
| 6.35 | 10 | 184.064.20 | | | |
| 7 | 10 | 184.070.20 | | | |
| 8 | 10 | 184.080.20 | | | |
| 9 | 10 | 184.090.20 | | | |

# 790

HWM



10 PCS. CASE (MINIMUM ORDER)

2 PCS. BLISTER CASE
(790.780/790.805/790.820)

| L mm | H mm | K mm | MACHINE | MODEL MACHINE | ORDER NO. 2 pcs. blister case | ORDER NO. 10 pcs. blister case |
|---|---|---|---|---|---|---|
| 56 | 5.5 | 1.1 | ADLER® | | | **790.560.00** |
| 60 | 5.5 | 1.1 | WEGOMA® | | | **790.600.01** |
| 75.5 | 5.5 | 1.1 | AEG® | HTH75 | | **790.755.00** |
| | | | BLACK & DECKER® | DN75, 750SR, 600K | | |
| | | | BOSCH® | 0590, P400, 1590,1591 | | |
| | | | FESTOOL® | REP75 | | |
| | | | HAFFNER® | FH222 | | |
| | | | HOLZ-HER® | 2223, 2286, 2320 | | |
| | | | KRESS® | JET-STAR 6701, 6702 | | |
| | | | MAFELL® | HU75 | | |
| | | | METABO® | 6375 | | |
| | | | SCHEER® | MH75/3, MH80 | | |
| | | | SKIL® | 98H | | |
| 78 | 5.5 | 1.1 | VIRUTEX® | | **790.780** | **790.780.00** |
| 80.5 | 5.5 | 1.1 | AEG®, BOSCH® | | **790.805** | **790.805.01** |
| | | | HAFFNER® | | | |
| | | | ELU® | MFF40, MFF80, MFF81, MFF81EK, PF161 | | |
| 82 | 5.5 | 1.1 | AEG® | EH82, EH825, EH822, EH450, EH700, EH82-1, H500, H750, EH700R | **790.820** | **790.820.00** |
| | | | BLACK & DECKER® | DN76 | | |
| | | | BOSCH® | PHO 100/150, PHO 200/300 4387, PHO 2-82/3-82, GUSTAV, HO0882 | | |
| | | | CASALS® | CE82 | | |
| | | | DEWALT® | DW678, DW678EK, DW680 | | |
| | | | ELU® | HH15, HH40, HH40K, HH40EK | | |
| | | | FEIN® | HS2151 | | |
| | | | FELISATTI® | TP282 | | |
| | | | HAFFNER® | FH224 | | |
| | | | HITACHI® | F20, F20A, FP20A, P20V, P20SA | | |
| | | | HOLZ-HER® | 2321, 2322 | | |
| | | | LEGNA® | R82, G82 | | |
| | | | MAFELL® | EHU82, MHU82 | | |
| | | | MAKITA® | 1001, 1100, 1125B, 1900B, 1901, 1923B, 1923H, 1923HO | | |
| | | | METABO® | 4382, 8382, 0882, 0883, E0983 | | |
| | | | PERLES® | HHB82B | | |
| | | | PEUGEOT® | RA400, 82RAC, RA82CS, BR82 BRA1-82, BRA3-82, RA1082CA | | |
| | | | RYOBI® | L1323-A | | |
| | | | SKIL® | H92, H94, H95, H96, H97 1506, 1510 | | |
| | | | STAYER® | 980B | | |
| 92 | 5.5 | 1.2 | AEG® | 450 | | **790.920.00** |
| | | | HITACHI® | F30A, FU30 | | |
| | | | RYOBI® | L120N, L150N, L1205N, L1323 | | |
| 102 | 5.5 | 1.1 | AEG® | HB750, EH102, HBE800 | | **790.992.00** |

2 PCS. BLISTER CASE

| L mm | H mm | K mm | MACHINE | MODEL MACHINE | ORDER NO. 2 pcs. HSS | ORDER NO. 2 pcs. HW |
|---|---|---|---|---|---|---|
| 82 | 29 | 3 | BOSCH® | GHO20-82 | **790.821.50** | **790.821.10** |
| | | | BLACK & DECKER® | DN710, DB711 | | |
| | | | MAKITA® | 1900B, 1923B, 1100, 1901 | | |
| | | | | 1125, KP0800K, KP0810, XPK01 | | |
| | | | RYOBI® | L-1323A, L-282 | | |
| 110 | 29 | 3 | MAKITA® | 1002BA, 1911B | **790.110.50** | |

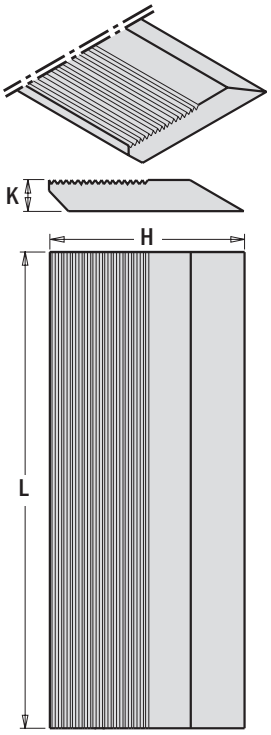
**TECHNICAL DETAILS:**
- Order no. ISO: .....K40
- Hardness (HV10):.....1.400
- Transverse rupture strength (N/mm²):.....2.600

**APPLICATION:**
Softwood ..... Good
Hardwood ..... Suitable
Plywood ..... Suitable



® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

# 793




IN QUADROPACK PACKAGING
4 KNIVES FOR EACH SET

| L mm | H mm | K mm | ORDER NO. pieces for each set | | ORDER NO. HSS |
|---|---|---|---|---|---|
| 40 x | 70 x | 8 | 4 | 1 | 793.040.70 ■ |
| 60 x | 50 x | 8 | 4 | 1 | 793.060.50 ■ |
| 100 x | 70 x | 8 | 4 | 1 | 793.100.70 ■ |
| 120 x | 70 x | 8 | 4 | 1 | 793.120.70 ■ |
| 130 x | 60 x | 8 | 4 | 1 | 793.130.60 ■ |
| 130 x | 70 x | 8 | 4 | 1 | 793.130.70 ■ |
| 650 x | 50 x | 8 | 4 | 1 | 793.650.50 |
| 650 x | 60 x | 8 | 4 | 1 | 793.650.60 |
| 650 x | 70 x | 8 | 4 | 1 | 793.650.70 |

■ *While supplies last*

**REMARK:** *special dimensions available on request.*

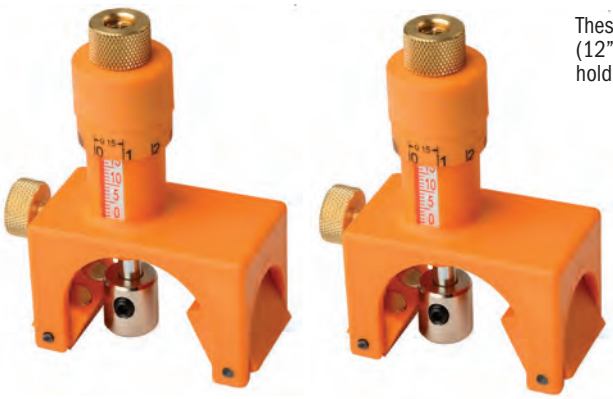
**TECHNICAL DETAILS:**
Corrugated back moulder knives for profile cutter heads with precise positioning, angle 60°, pitch 1.6mm

| MATERIAL | HSS |
|---|---|
| Dry softwood | ● |
| Wet softwood | ● |
| Dry hardwood | ● |
| Wet hardwood | ○ |

● **Suitable**
○ **Party suitable**

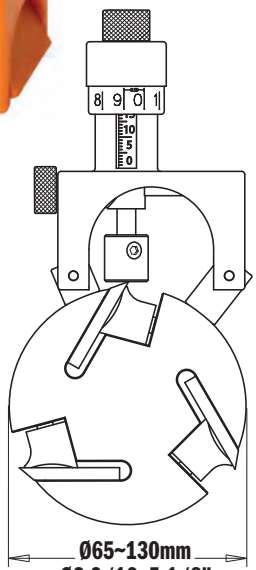
## Set of 2 Magnetic Knife Setting Jigs

# CMT792

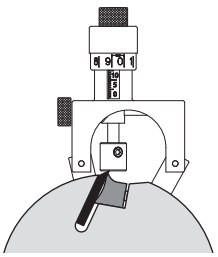


These jigs have been designed to fit all planers from 300mm (12") up to 600mm (24"). Strong magnets ensure superior holding power. Micro precision knife adjustment.

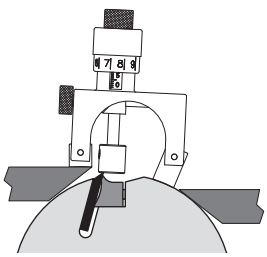
*Download instructions sheets from our website*




**2 SETUP POSSIBILITIES**



*Detection of the knife position with direct positioning on the tool holder body.*



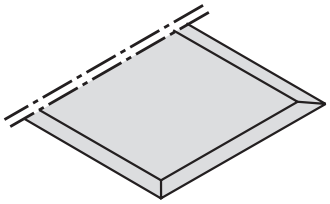
*Detection of the knife position with positioning on planer table and the tool holder body.*

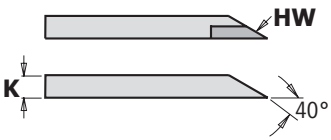
| DESCRIPTION | | ORDER NO. |
|---|---|---|
| Set of 2 magnetic knife setting jigs | 30 | CMT792 |

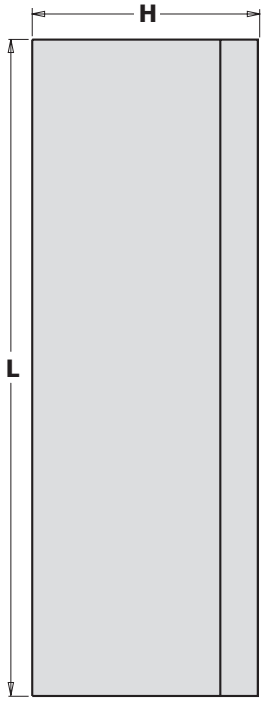
CMT ORANGE TOOLS®

# 792

SP HSS HW






IN QUADROPACK PACKAGING
2 KNIVES FOR EACH SET

* The HSS knives are balanced and milled.

| L mm | H mm | K mm | KNIVES pieces for each set | | ORDER NO. SP | ORDER NO. HSS* | ORDER NO. HW |
|---|---|---|---|---|---|---|---|
| 130 | 30 | 3 | 2 | 1 | | 792.130.30 | 792.132.30 |
| 150 | 30 | 3 | 2 | 1 | | 792.150.30 | |
| 180 | 30 | 3 | 2 | 1 | | 792.180.30 | 792.182.30 |
| 200 | 30 | 3 | 2 | 1 | | 792.200.30 | |
| 210 | 30 | 3 | 2 | 1 | | 792.210.30 | |
| 230 | 30 | 3 | 2 | 1 | | 792.230.30 | 792.232.30 |
| 250 | 30 | 3 | 2 | 1 | 792.251.30 | 792.250.30 | 792.252.30 |
| 260 | 30 | 3 | 2 | 1 | 792.261.30 | 792.260.30 | 792.262.30 |
| 300 | 30 | 3 | 2 | 1 | 792.301.30 | 792.300.30 | 792.302.30 |
| 310 | 30 | 3 | 2 | 1 | | 792.310.30 | 792.312.30 |
| 350 | 30 | 3 | 2 | 1 | | 792.350.30 | 792.352.30 |
| 400 | 30 | 3 | 2 | 1 | 792.401.30 | 792.400.30 | 792.402.30 |
| 410 | 30 | 3 | 2 | 1 | | 792.410.30 | 792.412.30 |
| 430 | 30 | 3 | 2 | 1 | | 792.430.30 | |
| 450 | 30 | 3 | 2 | 1 | 792.451.30 | 792.450.30 | |
| 500 | 30 | 3 | 2 | 1 | 792.501.30 | 792.500.30 | 792.502.30 |
| 510 | 30 | 3 | 2 | 1 | | 792.510.30 | 792.512.30 |
| 520 | 30 | 3 | 2 | 1 | | 792.520.30 | 792.522.30 |
| 530 | 30 | 3 | 2 | 1 | | 792.530.30 | 792.532.30 |
| 600 | 30 | 3 | 2 | 1 | | 792.600.30 | |
| 610 | 30 | 3 | 2 | 1 | | 792.610.30 | |
| 630 | 30 | 3 | 2 | 1 | | 792.630.30 | 792.632.30 |
| 640 | 30 | 3 | 2 | 1 | | 792.640.30 | |
| 810 | 30 | 3 | 2 | 1 | | 792.810.30 | |
| 1050 | 30 | 3 | 2 | 1 | 792.998.30 | 792.997.30 | 792.999.30 |
| | | | | | | | |
| 300 | 35 | 3 | 2 | 1 | | 792.300.35 | |
| 350 | 35 | 3 | 2 | 1 | | 792.350.35 | |
| 400 | 35 | 3 | 2 | 1 | 792.401.35 | 792.400.35 | |
| 410 | 35 | 3 | 2 | 1 | | 792.410.35 | |
| 430 | 35 | 3 | 2 | 1 | | 792.430.35 | |
| 450 | 35 | 3 | 2 | 1 | 792.451.35 | 792.450.35 | |
| 500 | 35 | 3 | 2 | 1 | 792.501.35 | 792.500.35 | |
| 510 | 35 | 3 | 2 | 1 | 792.511.35 | 792.510.35 | |
| 520 | 35 | 3 | 2 | 1 | 792.521.35 | 792.520.35 | |
| 530 | 35 | 3 | 2 | 1 | | 792.530.35 | |
| 550 | 35 | 3 | 2 | 1 | 792.551.35 | 792.550.35 | |
| 600 | 35 | 3 | 2 | 1 | 792.601.35 | 792.600.35 | |
| 610 | 35 | 3 | 2 | 1 | 792.611.35 | 792.610.35 | |
| 630 | 35 | 3 | 2 | 1 | 792.631.35 | 792.630.35 | |
| 650 | 35 | 3 | 2 | 1 | | 792.650.35 | |
| 710 | 35 | 3 | 2 | 1 | | 792.710.35 | |
| 810 | 35 | 3 | 2 | 1 | | 792.810.35 | |
| 820 | 35 | 3 | 2 | 1 | | | |
| 1050 | 35 | 3 | 2 | 1 | 792.998.35 | 792.997.35 | |

| MATERIAL | SP | HSS | HW |
|---|---|---|---|
| Dry softwood | ○ | ● | |
| Wet softwood | ○ | ○ | |
| Dry hardwood | ○ | ● | ● |
| Wet hardwood | ○ | ● | ○ |
| Chipboard | | | ○ |
| MDF | | | ○ |
| Glulam | | ○ | ● |
| Solid surface | | | ○ |

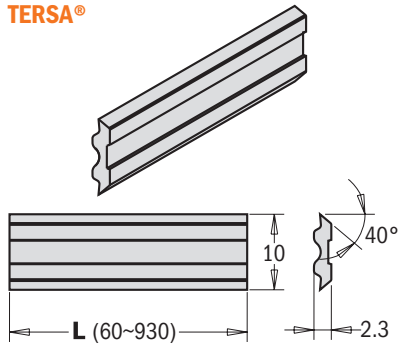
● **Suitable**
○ **Partly suitable**

**REMARK:** *special dimensions available on request.*
The mirror finish on HW knives produces both razor sharp and extremely durable cutting edges.

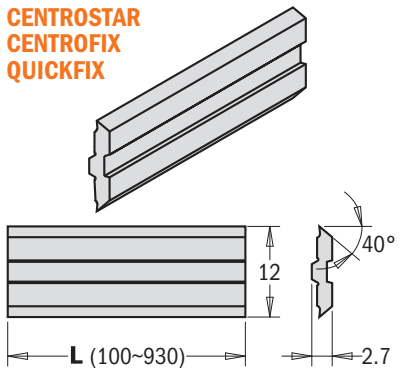
# 795

HPS

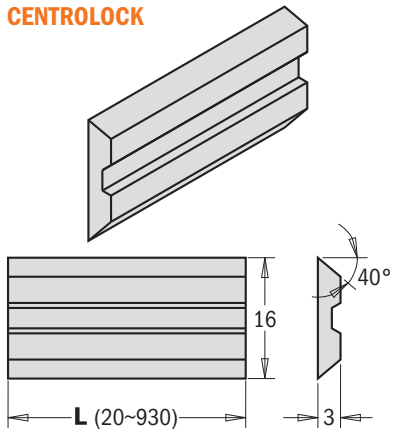
## TERSA®




## CENTROSTAR CENTROFIX QUICKFIX




## CENTROLOCK




**2 KNIVES FOR EACH SET**

| TERSA® | | | CENTROSTAR, CENTROFIX, QUICKFIX | | | CENTROLOCK | | |
|---|---|---|---|---|---|---|---|---|
| L mm | H mm | K mm | ORDER NO. | L mm | H mm | K mm | ORDER NO. | L mm | H mm | K mm | ORDER NO. |
| 100 | 10 | 2.3 | **795.100.10** | | | | | | | | |
| 110 | 10 | 2.3 | **795.110.10** | | | | | | | | |
| 120 | 10 | 2.3 | **795.120.10** | | | | | | | | |
| 130 | 10 | 2.3 | **795.130.10** | 130 | 12 | 2.7 | **795.130.12** | 130 | 16 | 3 | **795.130.16** |
| | | | | | | | | 170 | 16 | 3 | **795.170.16** |
| 180 | 10 | 2.3 | **795.180.10** | 180 | 12 | 2.7 | **795.180.12** | 180 | 16 | 3 | **795.180.16** |
| | | | | | | | | 190 | 16 | 3 | **795.190.16** |
| 210 | 10 | 2.3 | **795.210.10** | | | | | | | | |
| | | | | | | | | | | | |
| 230 | 10 | 2.3 | **795.230.10** | | | | | 230 | 16 | 3 | **795.230.16** |
| | | | | 240 | 12 | 2.7 | **795.240.12** | 240 | 16 | 3 | **795.240.16** |
| 260 | 10 | 2.3 | **795.260.10** | | | | | 260 | 16 | 3 | **795.260.16** |
| | | | | | | | | 270 | 16 | 3 | **795.270.16** |
| 300 | 10 | 2.3 | **795.300.10** | | | | | | | | |
| 310 | 10 | 2.3 | **795.310.10** | 310 | 12 | 2.7 | **795.310.12** | 310 | 16 | 3 | **795.310.16** |
| 350 | 10 | 2.3 | **795.350.10** | | | | | | | | |
| 400 | 10 | 2.3 | **795.400.10** | | | | | | | | |
| 410 | 10 | 2.3 | **795.410.10** | 410 | 12 | 2.7 | **795.410.12** | | | | |
| 420 | 10 | 2.3 | **795.420.10** | | | | | | | | |
| 430 | 10 | 2.3 | **795.430.10** | | | | | | | | |
| 450 | 10 | 2.3 | **795.450.10** | | | | | | | | |
| 500 | 10 | 2.3 | **795.500.10** | | | | | | | | |
| 510 | 10 | 2.3 | **795.510.10** | 510 | 12 | 2.7 | **795.510.12** | | | | |
| 520 | 10 | 2.3 | **795.520.10** | 520 | 12 | 2.7 | **795.520.12** | | | | |
| 530 | 10 | 2.3 | **795.530.10** | | | | | | | | |
| 540 | 10 | 2.3 | **795.540.10** | | | | | | | | |
| 630 | 10 | 2.3 | **795.630.10** | 630 | 12 | 2.7 | **795.630.12** | | | | |
| 640 | 10 | 2.3 | **795.640.10** | 640 | 12 | 2.7 | **795.640.12** | | | | |
| 930 | 10 | 2.3 | **795.930.10** | | | | | | | | |

**TECHNICAL DETAILS:**
HPS® is a material specifically developed for the wood industry, featuring the following characteristics:
Excellent wear resistance, maximum hardness level, easy to resharpen, proven through specific testing.
Tests conducted using oak wood at a spindle speed of 6000 RPM and a feed rate of 24 m/min produced the following result:
10.000 meters achieved with HSS material, 17.500 metres with HPS®.

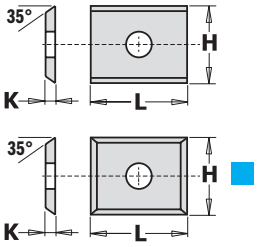
| MATERIAL | GOOD | EXCELLENT |
|---|---|---|
| Dry Softwood | | ● |
| Wet Softwood | | ● |
| Dry Hardwood | | ● |
| Wet Hardwood | | ● |
| Exotic Hardwood | ● | |

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

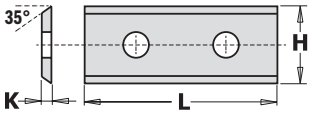
CMT ORANGE TOOLS®

## 790

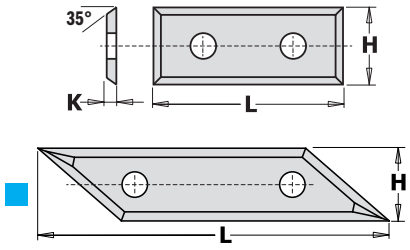
HWM



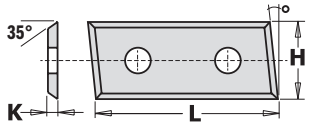

| L mm | H mm | K mm | TYPE | A | Z | ORDER NO. K1920 | ORDER NO. K2250 |
|---|---|---|---|---|---|---|---|
| 7.5 | 12 | 1.5 | | 35° | 2 | 790.075.00 | |
| 7.65 | 12 | 1.5 | | 35° | 2 | 790.076.00 | |
| 9.6 | 12 | 1.5 | | 35° | 2 | 790.096.00 | |
| 15 | 12 | 1.5 | | 35° | 2 | 790.150.00 | |
| 19.5 | 12 | 1.5 | ■ | 35° | 4 | 790.195.12 | |
| 20 | 12 | 1.5 | | 35° | 2 | 790.200.00 | 790.200.03 |



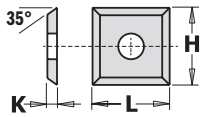

| L mm | H mm | K mm | | A | Z | ORDER NO. K1920 | ORDER NO. K2250 |
|---|---|---|---|---|---|---|---|
| 24.7 | 12 | 1.5 | | 35° | 2 | 790.250.00 | |
| 30 | 12 | 1.5 | | 35° | 2 | 790.300.00 | 790.300.03 |
| 30 | 12 | 1.5 | | 45° | 2 | 790.300.20 | |
| 40 | 12 | 1.5 | | 35° | 2 | 790.400.00 | 790.400.03 |
| 50 | 12 | 1.5 | | 35° | 2 | 790.500.00 | 790.500.03 |
| 60 | 12 | 1.5 | | 35° | 2 | 790.600.00 | 790.600.03 |



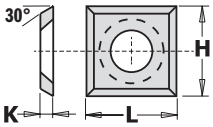

| L mm | H mm | K mm | TYPE | A | Z | ORDER NO. K1920 | |
|---|---|---|---|---|---|---|---|
| 29.5 | 9 | 1.5 | | 35° | 4 | 790.295.09 | |
| 29.5 | 12 | 1.5 | | 35° | 4 | 790.295.12 | |
| 39.5 | 9 | 1.5 | | 35° | 4 | 790.395.09 | |
| 39.5 | 12 | 1.5 | | 35° | 4 | 790.395.12 | |
| 49.2 | 9 | 1.5 | | 35° | 4 | 790.495.09 | |
| 49.2 | 12 | 1.5 | | 35° | 4 | 790.495.12 | |
| 58 | 12 | 1.5 | ■ | 35° | 2 | 790.580.01 | |



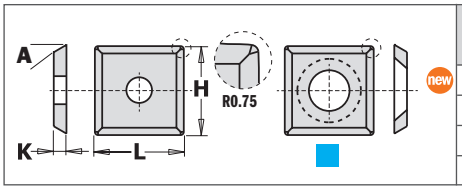

| L mm | H mm | K mm | | A | Z | ORDER NO. K1920 | |
|---|---|---|---|---|---|---|---|
| 28.3 | 12 | 1.5 | | 35° | 4 | 790.283.12 | |
| 48.3 | 12 | 1.5 | | 35° | 4 | 790.483.12 | |



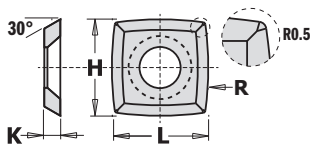

| L mm | H mm | K mm | | A | Z | ORDER NO. K1920 | ORDER NO. K2250 |
|---|---|---|---|---|---|---|---|
| 10.5 | 10.5 | 1.5 | | 35° | 4 | | 790.105.03 |
| 12 | 12 | 1.5 | | 35° | 4 | 790.120.00 | 790.120.03 |



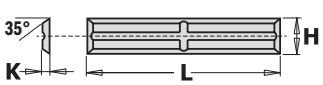

| L mm | H mm | K mm | | A | Z | ORDER NO. K1920 | ORDER NO. K2250 |
|---|---|---|---|---|---|---|---|
| 13.6 | 13.6 | 2 | | 30° | 4 | 790.136.00 | |
| 14 | 14 | 1.2 | | 30° | 4 | 790.140.10 | |
| 14 | 14 | 2 | | 30° | 4 | 790.140.00 | 790.140.03 |
| 14 | 14 | 2 | | 45° | 4 | 790.140.02 | |




| L mm | H mm | K mm | TYPE | A | Z | ORDER NO. K1920 | |
|---|---|---|---|---|---|---|---|
| 10.5 | 10.5 | 1.5 | | 35° | 4 | 790.105.20 | |
| 12 | 12 | 1.5 | | 35° | 4 | 790.120.20 | |
| 14 | 14 | 2 | ■ | 30° | 4 | 790.140.20 | |




| L mm | H mm | K mm | R mm | A | Z | ORDER NO. K1920 | |
|---|---|---|---|---|---|---|---|
| 15 | 15 | 2.5 | 115 | 30° | 4 | 790.152.12 | |
| 15 | 15 | 2.5 | 150 | 30° | 4 | 790.152.22 | |

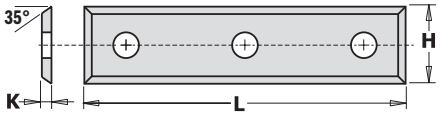



| L mm | H mm | K mm | | A | Z | ORDER NO. K1920 | |
|---|---|---|---|---|---|---|---|
| 20 | 4.1 | 1.1 | | 35° | 4 | 790.200.01 | |
| 30 | 5.5 | 1.1 | | 35° | 4 | 790.300.01 | |
| 50 | 5.5 | 1.1 | | 35° | 4 | 790.500.01 | |

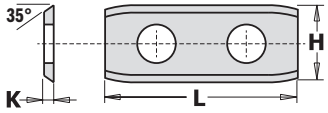
CMT ORANGE TOOLS®

# 790

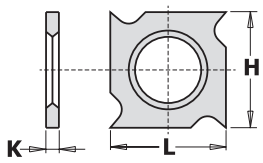
HWM



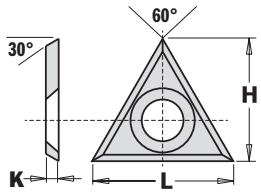

| L mm | H mm | K mm | | A | Z | ORDER NO. K1920 | |
|---|---|---|---|---|---|---|---|
| 50 | 9 | 1.5 | | 35° | 4 | 790.500.09 | |
| 50 | 12 | 1.7 | | 35° | 4 | 790.503.00 | |



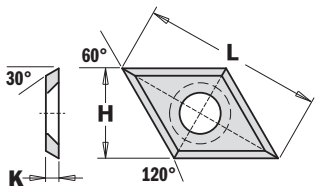

| L mm | H mm | K mm | B | A | Z | ORDER NO. K1920 | |
|---|---|---|---|---|---|---|---|
| 20 | 12 | 1.5 | 1 | 35° | 2 | 790.201.00 | |
| 24 | 12 | 1.5 | 1 | 35° | 2 | S790.242.00 | |
| 30 | 12 | 1.5 | 2 | 35° | 2 | 790.301.00 | |
| 50 | 12 | 1.5 | 2 | 35° | 2 | 790.501.00 | |



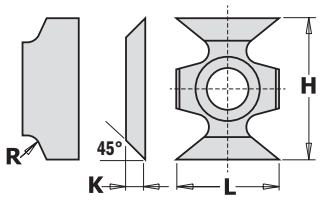

| L mm | H mm | K mm | | | Z | ORDER NO. K1920 | |
|---|---|---|---|---|---|---|---|
| 18 | 18 | 1.95 | | | 4 | 790.181.00 | |
| 18 | 18 | 2.45 | | | 4 | 790.182.00 | |



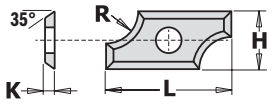

| L mm | H mm | K mm | | A | Z | ORDER NO. K1920 | |
|---|---|---|---|---|---|---|---|
| 22 | 19 | 2 | | 30° | 3 | 790.220.02 | |



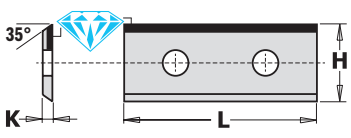

| L mm | H mm | K mm | | A | Z | ORDER NO. K1920 | |
|---|---|---|---|---|---|---|---|
| 28 | 14 | 2 | | 30° | 2 | 790.280.00 | |




| L mm | H mm | K mm | R mm | A | Z | ORDER NO. K1920 | |
|---|---|---|---|---|---|---|---|
| 16 | 22 | 5 | 1.5 | | | 790.161.00 | |
| 16 | 22 | 5 | 2 | | | 790.162.00 | |
| 16 | 22 | 5 | 3 | | | 790.163.00 | |
| 16 | 22 | 5 | | 45° | | 790.160.00 | |




| L mm | H mm | K mm | R mm | A | Z | ORDER NO. K1920 | |
|---|---|---|---|---|---|---|---|
| 19.5 | 9 | 1.5 | 2 | 35° | 2 | 790.020.00 | |
| 19.5 | 9 | 1.5 | 3 | 35° | 2 | 790.030.00 | |
| 19.5 | 9 | 1.5 | 5 | 35° | 2 | 790.050.00 | |
| 24 | 12 | 1.5 | 6.4 | 35° | 2 | 790.064.00 | |
| 24 | 12 | 1.5 | 8 | 35° | 2 | 790.080.00 | |




| L mm | H mm | R mm | | A | Z | ORDER NO. DP | |
|---|---|---|---|---|---|---|---|
| 30 | 12 | 1.5 | | 35° | 1 | 790.300.60* | |

***These knives are supplied in a 2 pc. case. Minimum 2 pcs. or multiple of 2 pcs. order.**

| MATERIAL | K1920 | K2250 |
|---|---|---|
| Softwood | ★★★★ | |
| Hardwood | ★★★★★ | |
| Chipboard | ★★★★★ | ★★★★★ |
| MDF | ★★★★ | ★★★★★ |
| HDF | ★★★★ | ★★★★★ |
| Plastics | ★★★ | ★★★★★ |
| Solid Surface | | ★★★★ |

**TECHNICAL DETAILS:**

**K1920** Hardness (HV10): 1.920 - Transverse rupture strength (N/mm²): 2.600
New chrome grade for universal cutting applications.
Excellent resistance to corrosion, oxidation and mechanical wear.
High efficiency, 20% longer lifetime compared to standard grade.

**K2250** Hardness (HV10): 2.250 - Transverse rupture strength (N/mm²): 2.400
New nano-grain grade for maximum wear resistance.
Higher efficiency due to improved tool lifetime.
Improved toughness.

**All knives are supplied in a 10 pc. case.**
**Minimum 10 pcs. or multiple of 10 pcs. order.**

UP & DOWN CUT SPIRAL

184

Z1 UPCUT SPIRAL

184

Z2 UP & DOWN CUT SPIRAL

185

STRAIGHT WITH CENTER TIP

186

STRAIGHT

187~189

STRAIGHT WITH THREADED SHANK

190

SPIRAL FOR ALUMINIUM AND PVC

191

STRAIGHT WITH INSERT KNIVES

192-193

MORTISING & HINGE

194-195

PATTERN

196

PATTERN WITH INSERT KNIVES

197

WEATHERSEAL

198

COMBINATION TRIMMER

198-199

COMBINATION TRIMMER WITH BEARING

199

FLUSH TRIM

200-201

SPIRAL FLUSH TRIM

202

FLUSH TRIM FOR LAMINATE

202-203

FLUSH TRIM WITH INSERT KNIVES

203

PATTERN/FLUSH WITH INSERT KNIVES

204

PANEL PILOT

205

RABBETING

206~208

RABBETING WITH INSERT KNIVES

207-208

KEYHOLE

209

T-SLOT

209

SCREW SLOT

210

FLOORING

210

SLOT CUTTERS & SETS

211~213

FLUTE AND BEAD

214

LOCK MITER

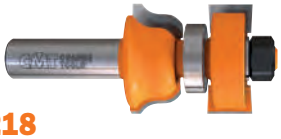
214-215

REVERSE GLUE JOINT

216

DRAWER LOCK

217

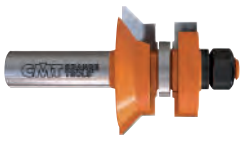
WINDOW SASH


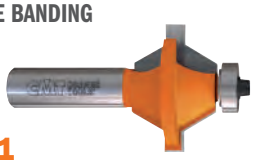
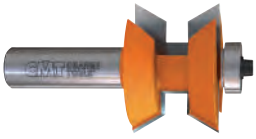
218

GLASS DOOR SASH

219

V-TONGUE & GROOVE


221

EDGE BANDING


221

FINGER JOINT

220

DOVETAIL

222~224

60° LETTERING

225

BOWL & TRAY

225

V-GROOVING & LASER POINT

226~228

CHAMFER

229-230

CHAMFER WITH INSERT KNIVES

229

ROUND NOSE

231-232

BALL END

232

COVE

233-234

OVOLO, BEADING AND ROUNDOVER

234~237

ROUNDOVER WITH INSERT KNIVES

235

DECORATIVE BEADING

238-239

OGEE & PROFILES

240-241

ADJUSTABLE ROUNDOVER

242

WAINSCOT PANELING

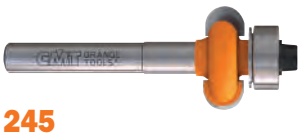
243

CORNER BEADING

243-244

BEAD & BULL NOSE

244

EDGE-FLUTING

245

MOULDING SYSTEM

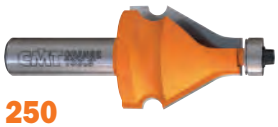
245

MOULDING

246~248

DOOR FINGER PULL

248-249

TABLE EDGE & HAND RAIL

250

VERTICAL RAISED PANEL

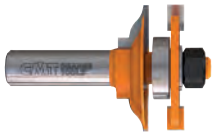
250

RAISED PANEL

254-255

RAIL & STILE SET

251~253



STILE & PANEL

256

SLOT CUTTER FOR STRIPLOX®

257

SOLID SURFACE - COUNTER TOP TRIM

257

SOLID SURFACE - ROUNDOVER

258-259

SOLID SURFACE - BEVEL

260

SOLID SURFACE - CUT & PLUG REPAIR SET

261

SOLID SURFACE - NO-DRIP/INLAY

262-263

SOLID SURFACE - WAVY JOINT

262

SOLID SURFACE - SINK & TRIM

264

ROUTER BIT SETS

265~275

STRAIGHT

277

PATTERN

278

FLUSH TRIM

278

ROUND NOSE

278

V-GROOVE

279

DECORATIVE

279

KEYHOLE

279

DOVETAIL

280

SLOT CUTTER

280

CHAMFER

280

RABBETING

281

COVE

281

OVOLO

281

ROUNDOVER & BEADING

282

OGEE

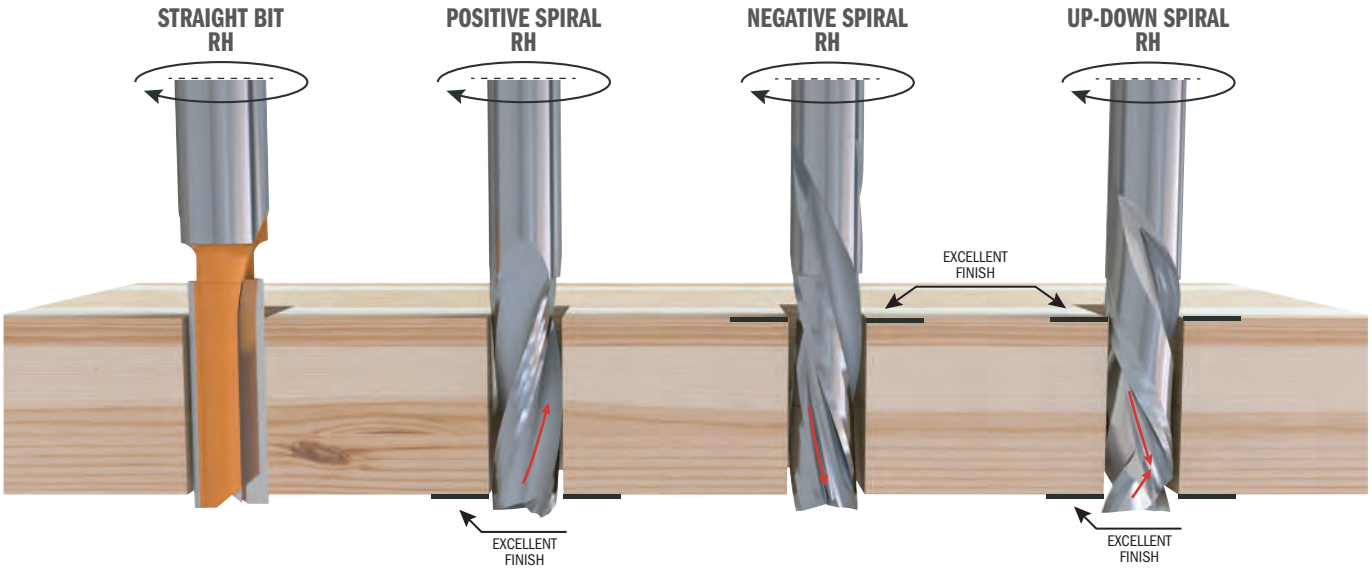
282

ROUTER BIT SETS

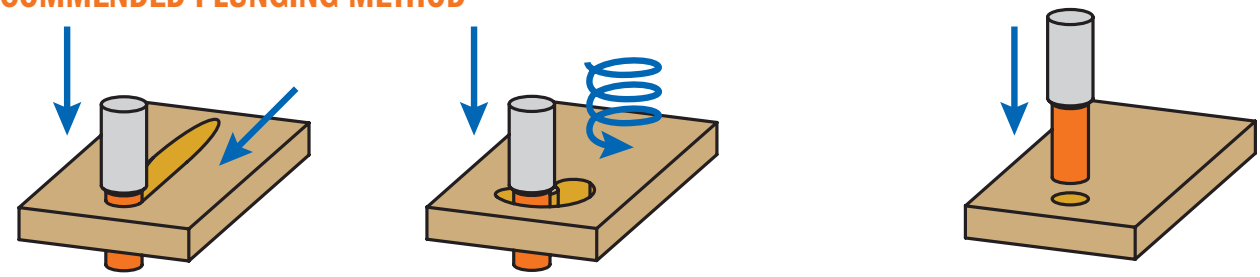
283


® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

## CUTTING EDGE TYPE




## RECOMMENDED PLUNGING METHOD



**RAMP PLUNGING**

**SPIRAL PLUNGING**

These methods are recommended for sizing and grooving tools.

**AXIAL PLUNGING**

Router bits with mainly negative cutting shear angles, negative spiral, and router bits without plunging cutter are ***NOT*** suitable for axial plunging!

## PROBLEM SOLVING

| PROBLEM | SOLUTIONS | INCREASE |
|---|---|---|
| BAD FINISHING | • CUTTING DEPTH<br>• VIBRATIONS | • ROTATION SPEED<br>• DUST EXTRACTION<br>• NUMBER OF CUTTING EDGES<br>• CLAMPING CUTTER/CHUCK |
| CUTTING EDGE WEAR | • ROTATION SPEED<br>• VIBRATIONS | • FEED SPEED |
| CUTTING EDGE BURNS | • ROTATION SPEED<br>• NUMBER OF CUTTING-EDGES | • FEED SPEED |
| CUTTING EDGE DEBRIS | • CUTTING DEPTH | • ROTATION SPEED<br>• FEED SPEED<br>• DUST EXTRACTION |
| VIBRATIONS | • ROTATION SPEED<br>• CUTTING DEPTH | • MACHINE STABILITY<br>• WORKPIECE STABILITY |
| CUTTER BREAKAGE | • FEED SPEED<br>• CUTTING DEPTH<br>• VIBRATIONS | • SHANK DIAMETER<br>• COLLET CLAMPING<br>• CHANGE TOOL MATERIAL<br>(solid carbide or DENSIMET®) |
| | DECREASE | |



® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

# WHAT'S THE SECRET TO FLAWLESS EDGE PROFILES WITH NO REWORK?

WOOD® Magazine Best Overall 1994 Wood's Choice Router Bits

CMT Overall Rating 10!
Top Performing Router Bits

### MULTI-AXIS GRINDING CREATES A 3X LONGER LASTING MIRROR FINISH

Each cutting edge is precisely sharpened to the micron, in order to produce a cutting angle, which is razor sharp, yet extremely durable.



### ANTI-KICKBACK DESIGN

Controls depth of cut and minimizes the chance of kickback, reducing your risk of injury.

SINTERHIP HI-DENSITY INDUSTRIAL CHROME CARBIDE

### SINTERHIP HI-DENSITY INDUSTRIAL CHROME CARBIDE

New process called SinterHIP (Hot Isostatic Pressing), helps prevent material failure and increases cutting life.



### TRI-METAL BRAZING

Our Silver-Copper-Silver brazing protects the carbide tip when cutting harder wood or wood composites and reduces the chance of failed welds.

NON-STICK ORANGE SHIELD® COATING

### NON-STICK ORANGE SHIELD® COATING

Prevents bit from heating up, reduces pitch build-up, protects against corrosion and provides a longer bit life.

DELUXE PACKAGING

CMT XTREME BALANCING®

PREMIUM QUALITY STEEL

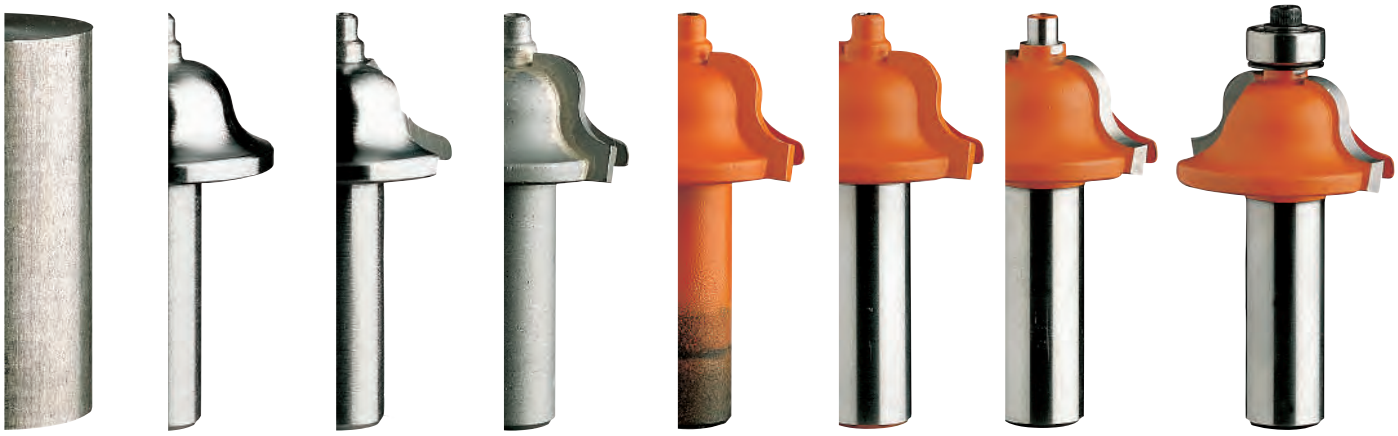
### SUPERIOR HIGH-STRENGTH STEEL

We use high-quality, solid bar stock sourced from Switzerland, which provides exceptional resistance to fatigue and abrasion.

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

# BUILDING THE WORLD'S FINEST CUTTING TOOLS

We built our foundations and reputation for high quality tools on the craftsman-like manufacturing of boring bits and router bits. Times have changed and current technology has completely altered the industry. As a result, our facilities have been newly renovated and our equipment today represents the most advanced technology available on the market. This allows us to continue to manufacture cutting tools with the skill and care that we always have.



## DESIGN

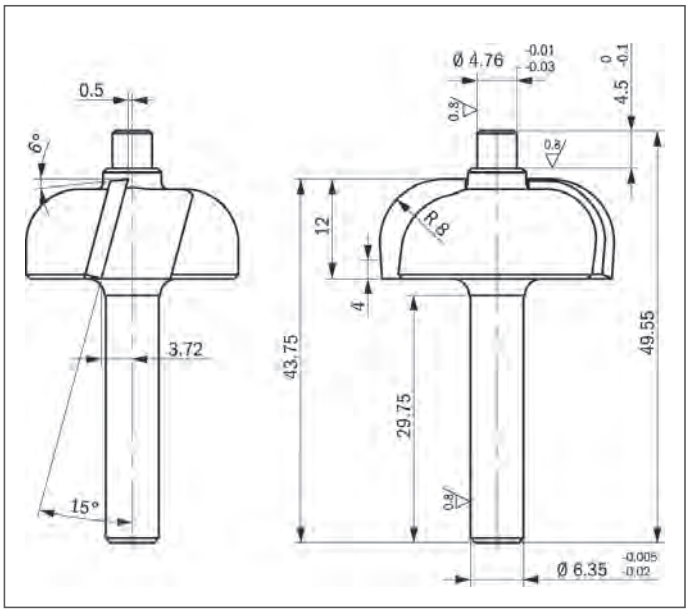
We engineer all of our products with a purpose in mind. Years of developing high performance cutting tools means that our top-sellers are tried and true, the result of continued perfection of each design, but we don't stop there: new materials, new profiles and new methods continue to emerge everyday.

At CMT, our objective is to remain on the cutting edge of innovation so our technical department ensures to continually monitor market developments, incorporate state-of-the-art software and apply experience in the sector to designs tools that are worthy of the CMT brand.

## MATERIALS

Essentially, the main components of a router bit are just two: steel and carbide. If either of these is less than the best, the tool we make will show it.
We've researched steel and carbide since the beginning, and found exactly what we were looking for:

*Superior Steel.* Our steel is comes from right above the border in Switzerland where an exclusive hot drawing process is applied to forge the solid bar stock we use to manufacture our shanks and bodies.
The result? Steel that is superior in strength and exceptionally resistant to fatigue and abrasion.



*High-Grade Tungsten Carbide.* If steel is what gives our tools strength, carbide is what gives them intelligence. The capacity of the carbide tip to cut precisely and to last a long time is critical for the performance of any tool, so at CMT we use only premium micrograin carbide from Luxembourg to make the tips for our router bits.

## MANUFACTURING

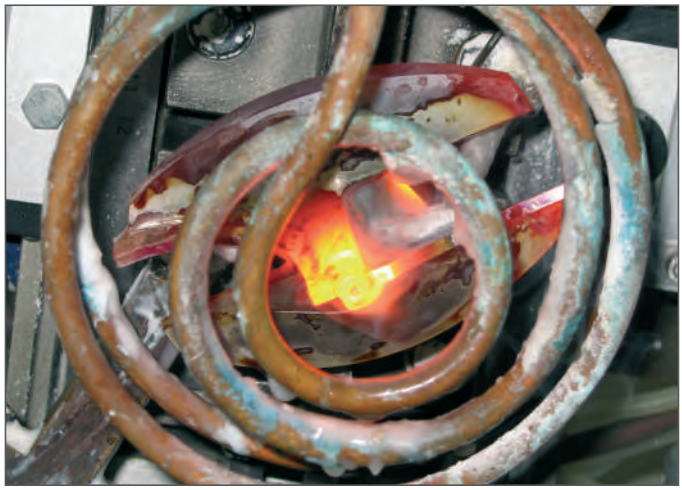
*Turning, Milling and Cutting.* Our biggest investment in recent years has been in upgrading production. Today, all machinery at CMT is fully automated. CNC machines run by specially trained operators who make sure that the shanks and bodies of our router bits and boring bits are accurate and perfectly balanced.

*Heat Forged Steel Bodies for Large Diameter Bits.* No router bits are exactly the same, sometimes not even in the way they are made. Certain bits require a few more steps than others, like heat forging the steel of larger diameter bits before turning it down into precise bit bodies. This extra step produces a radial grain orientation which gives large diameter bits extra strength and durability.

*Brazing.* We have pioneered the art of brazing. Not only does our unique custom-designed computerized brazing equipment help eliminate the inconsistencies found in old fashioned hand brazing, but our silver-copper-silver brazing 'sandwich' provides a tight bond between the steel and the carbide, with a shock absorbing effect to protect the carbide tips when cutting harder woods.

*Specially Formulated Carbide for Specific Applications.* You have to cut every kind material, so we make sure that our carbide tips can handle each individual job. This means specially formulating the carbide of each tool so that the compositions vary from being super hard (for tough cutting jobs like laminates) to being less hard (to absorb the impact when cutting large profiles) and everything in between.

*Grinding and Sharpening.* The final step in the production process is no different from the rest: sharpening and grinding are done to extreme precision on multi-axis CNC machines. Each bevel and angle is ground or sharpened to the micron, to produce a cutting edge that is both razor sharp yet extremely durable.



*680°C in seconds - and the brazing is complete.*

## QUALITY CONTROL

Even the simplest of tasks can include a margin for error. However at CMT, we take measures to prevent this. We always manually check the quality of our tools at each step of the manufacturing process, and we still make test cuts with rail & stile bits to make sure the cut fits. However, now we also use a fully automatic measuring process that evaluates every part of the tool without actually coming into contact with it, to make sure that the tool dimensions are accurate and that the profiles conform precisely to technical specification. We also use this system to gauge the wear and tear on the CNC machines.

*CMT's fully automatic measuring system.*

# Solid Carbide Spiral Bits

Thanks to the spiral cutting edge which stays in continuous contact with the workpiece, these bits provide smoother, chatter-free cutting action, unlike conventional bits which have intermittent contact with the workpiece. Unsurpassed performance and cleaner cuts in ordinary or difficult materials, softwood, hardwood, plywood, composites etc. This new range of spiral bits with 6 - 8 - 12mm and 6.35 - 12.7mm shanks allow them to be used with a CNC router and hand-held routers. ***Excellent quality-price ratio!***

## 190.41 UPCUT & DOWNCUT SPIRAL - DLCS Chrome Coating

HWM | Z2+2 | Z3+3 | RH | UP DOWN | LONG LIFE

| D mm | I mm | $I_1$ Pos. mm | L mm | Z | | ORDER NO. S=Ø8mm | ORDER NO. S=Ø9.53mm | ORDER NO. S=Ø10mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 32 | 7 | 80 | 2+2 | 10 | **190.080.41** | | | | |
| 9.53 | 28.6 | 7 | 76.2 | 2+2 | 10 | | **190.504.41** | | | |
| 10 | 32 | 7 | 80 | 2+2 | 10 | | | **190.100.41** | | |
| 10 | 42 | 7 | 90 | 2+2 | 10 | | | **190.101.41** | | |
| 12 | 42 | 7 | 90 | 2+2 | 10 | | | | **190.120.41** | |
| 12 | 52 | 7 | 100 | 2+2 | 10 | | | | **190.121.41** | |
| 12.7 | 25.4 | 12 | 76.2 | 2+2 | 10 | | | | | **190.505.41** |
| 12.7 | 28.6 | 12 | 76.2 | 2+2 | 10 | | | | | **190.506.41** |
| 12.7 | 34.9 | 12 | 88.9 | 2+2 | 10 | | | | | **190.507.41** |
| 12.7 | 41.3 | 12 | 101.6 | 2+2 | 10 | | | | | **190.508.41** |
| UP & DOWNCUT MORTISING BITS | | | | | | | | | | |
| 9.53 | 22.2 | 4.8 | 76.2 | 2+2 | 10 | | **190.513.41** | | | |
| 9.53 | 25.4 | 5.2 | 76.2 | 3+3 | 10 | | **190.813.41** | | | |
| 12 | 25 | 5.2 | 83 | 3+3 | 10 | | | | **190.320.41** | |
| 12.7 | 22.2 | 5.2 | 76.2 | 2+2 | 10 | | | | | **190.515.41** |
| 12.7 | 34.9 | 5.2 | 88.9 | 2+2 | 10 | | | | | **190.517.41** |
| 12.7 | 28.5 | 6 | 76.2 | 3+3 | 10 | | | | | **190.815.41** |

## 190 UPCUT & DOWNCUT SPIRAL

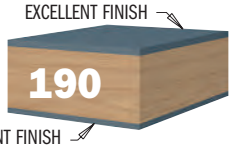
HWM | Z2+2 | Z3+3 | RH | UP DOWN

| D mm | I mm | $I_1$ Pos. mm | L mm | Z | | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | ORDER NO. S=Ø9.53mm | ORDER NO. S=Ø10mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 6.35 | 22.2 | 7 | 63.5 | 2+2 | 10 | **190.008.11** | | | | | |
| 8 | 32 | 7 | 80 | 2+2 | 10 | | **190.080.11** | | | | |
| 9.53 | 28.6 | 7 | 76.2 | 2+2 | 10 | | | **190.504.11** | | | |
| 10 | 32 | 7 | 80 | 2+2 | 10 | | | | **190.100.11** | | |
| 10 | 42 | 7 | 90 | 2+2 | 10 | | | | **190.101.11** | | |
| 12 | 42 | 7 | 90 | 2+2 | 10 | | | | | **190.120.11** | |
| 12 | 52 | 7 | 100 | 2+2 | 10 | | | | | **190.121.11** | |
| 12.7 | 25.4 | 12 | 76.2 | 2+2 | 10 | | | | | | **190.505.11** |
| 12.7 | 28.6 | 12 | 76.2 | 2+2 | 10 | | | | | | **190.506.11** |
| 12.7 | 34.9 | 12 | 88.9 | 2+2 | 10 | | | | | | **190.507.11** |
| 12.7 | 41.3 | 12 | 101.6 | 2+2 | 10 | | | | | | **190.508.11** |
| UP & DOWNCUT MORTISING BITS | | | | | | | | | | | |
| 9.53 | 22.2 | 4.8 | 76.2 | 2+2 | 10 | | | **190.513.11** | | | |
| 9.53 | 25.4 | 5.2 | 76.2 | 3+3 | 10 | | | **190.813.11** | | | |
| 12 | 25 | 5.2 | 83 | 3+3 | 10 | | | | | **190.320.11** | |
| 12.7 | 22.2 | 5.2 | 76.2 | 2+2 | 10 | | | | | | **190.515.11** |
| 12.7 | 34.9 | 5.2 | 88.9 | 2+2 | 10 | | | | | | **190.517.11** |
| 12.7 | 28.5 | 6 | 76.2 | 3+3 | 10 | | | | | | **190.815.11** |

## 198 UPCUT

HWM | Z1 | RH | UP

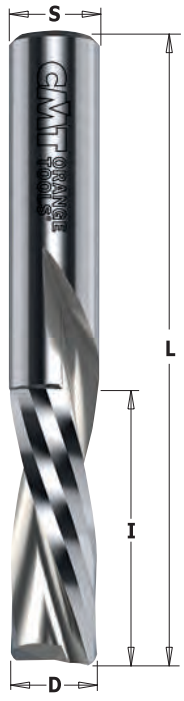
| D mm | I mm | L mm | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm |
|---|---|---|---|---|---|---|---|
| 3.18 | 12.7 | 50.8 | 10 | | **198.001.11** | | |
| 4.76 | 15.88 | 50.8 | 10 | | **198.005.11** | | |
| 6 | 22 | 60 | 10 | **198.060.11** | | | |
| 6.35 | 19.05 | 50.8 | 10 | | **198.007.11** | | |
| 6.35 | 25.4 | 63.5 | 10 | | **198.008.11** | | |
| 8 | 22 | 70 | 10 | | | **198.080.11** | |
| 8 | 32 | 80 | 10 | | | **198.081.11** | |
| 12 | 32 | 83 | 10 | | | | **198.120.11** |



## 191 UPCUT SPIRAL

HWM Z2 RH UP

| D mm | I mm | L mm | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|
| 3 | 12 | 60 | 10 | **191.630.11** | | **191.830.11** | | |
| 3.18 | 12.7 | 50.8 | 10 | | **191.001.11** | | | |
| 3.5 | 12 | 60 | 10 | **191.635.11** | | | | |
| 3.97 | 12.7 | 50.8 | 10 | | **191.003.11** | | | |
| 4 | 15 | 60 | 10 | **191.640.11** | | **191.840.11** | | |
| 4.76 | 19.05 | 50.8 | 10 | | **191.005.11** | | | |
| 5 | 17 | 60 | 10 | **191.650.11** | | **191.850.11** | | |
| 6 | 27 | 70 | 10 | **191.060.11** | | **191.860.11** | | |
| 6.35 | 19.05 | 50.8 | 10 | | **191.007.11** | | | |
| 6.35 | 25.4 | 63.5 | 10 | | **191.008.11** | | | |
| 7 | 32 | 80 | 10 | | | **191.870.11** | | |
| 7.94 | 25.4 | 76.2 | 10 | | | | | **191.501.11** |
| 8 | 22 | 70 | 10 | | | **191.080.11** | | |
| 8 | 32 | 80 | 10 | | | **191.081.11** | | |
| 8 | 42 | 90 | 10 | | | **191.082.11** | | |
| 9 | 32 | 83 | 10 | | | | **191.890.11** | |
| 9.53 | 31.75 | 82.5 | 10 | | | | | **191.503.11** |
| 10 | 32 | 80 | 10 | | | **191.800.11** | | |
| 10 | 32 | 83 | 10 | | | | **191.900.11** | |
| 10 | 42 | 90 | 10 | | | | **191.901.11** | |
| 12 | 35 | 83 | 10 | | | **191.820.11** | **191.120.11** | |
| 12 | 42 | 90 | 10 | | | | **191.121.11** | |
| 12 | 52 | 100 | 10 | | | | **191.122.11** | |
| 12.7 | 31.75 | 76.2 | 10 | | | | | **191.505.11** |
| 12.7 | 38.1 | 88.9 | 10 | | | | | **191.506.11** |
| 12.7 | 50.8 | 101.6 | 10 | | | | | **191.507.11** |



## 192 DOWNCUT SPIRAL

HWM Z2 RH DOWN

| D mm | I mm | L mm | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|
| 3 | 12 | 60 | 10 | **192.630.11** | | **192.830.11** | | |
| 3.18 | 12.7 | 50.8 | 10 | | **192.001.11** | | | |
| 3.97 | 12.7 | 50.8 | 10 | | **192.003.11** | | | |
| 4 | 15 | 60 | 10 | **192.640.11** | | **192.840.11** | | |
| 4.76 | 19.05 | 50.8 | 10 | | **192.005.11** | | | |
| 5 | 17 | 60 | 10 | **192.650.11** | | **192.850.11** | | |
| 6 | 27 | 70 | 10 | **192.060.11** | | **192.860.11** | | |
| 6.35 | 19.05 | 50.8 | 10 | | **192.007.11** | | | |
| 6.35 | 25.4 | 63.5 | 10 | | **192.008.11** | | | |
| 7.94 | 25.4 | 76.2 | 10 | | | | | **192.501.11** |
| 8 | 22 | 70 | 10 | | | **192.080.11** | | |
| 8 | 32 | 80 | 10 | | | **192.081.11** | | |
| 8 | 42 | 90 | 10 | | | **192.082.11** | | |
| 9.53 | 31.75 | 82.5 | 10 | | | | | **192.503.11** |
| 10 | 32 | 80 | 10 | | | **192.800.11** | | |
| 10 | 32 | 83 | 10 | | | | **192.900.11** | |
| 12 | 35 | 83 | 10 | | | **192.820.11** | **192.120.11** | |
| 12.7 | 31.75 | 76.2 | 10 | | | | | **192.505.11** |
| 12.7 | 38.1 | 88.9 | 10 | | | | | **192.506.11** |
| 12.7 | 50.8 | 101.6 | 10 | | | | | **192.507.11** |

EXTRA HARD DLCS CHROME COATING **192.41** DLCS Chrome Coating (See page 299)

XTREME PERFORMANCE 3X LONGER LIFE THAN UNCOATED LONG LIFE

# 174 - 177 - 912

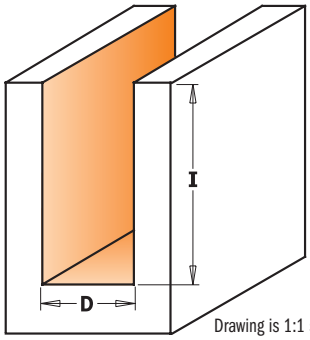
HWM HW Z2+1 RH

These industrial straight bits are made from stainless steel specifically created to withstand rigorous workloads on hand-held or CNC routers. The two lateral cutting edges allow you to execute any kind of plunge drilling and trimming jobs on solid, soft or hardwood, wood composite and plastic or laminated materials.

**APPLICATION:** - soft and hardwood and wood composite
- chipboard, MDF (laminate & melamine)
- plywood, veneer, ecc.

**PLUNGE CENTRE TIP Z2+1**

The special carbide-tipped cutting edge guarantees long-lasting performance compared to traditional bits.




Drawing is 1:1 scale

## 174

| D mm | I mm | L mm | | ORDER NO. S=Ø8mm |
|---|---|---|---|---|
| • 3 | 10 | 55 | 10 | **174.030.11** |
| • 4 | 10 | 55 | 10 | **174.040.11** |
| • 5 | 12 | 55 | 10 | **174.050.11** |
| • 6 | 14 | 55 | 10 | **174.060.11** |
| • 7 | 20 | 55 | 10 | **174.070.11** |
| 8 | 20 | 55 | 10 | **174.080.11** |
| 8 | 30 | 70 | 10 | **174.081.11** |
| 8 | 40 | 90 | 10 | **174.082.11** |
| 9 | 20 | 55 | 10 | **174.090.11** |
| 10 | 20 | 60 | 10 | **174.100.11** |
| 10 | 30 | 70 | 10 | **174.102.11** |
| 10 | 40 | 90 | 10 | **174.101.11** |
| 11 | 20 | 60 | 10 | **174.110.11** |
| 12 | 20 | 60 | 10 | **174.120.11** |
| 12 | 30 | 70 | 10 | **174.122.11** |
| 12 | 40 | 90 | 10 | **174.121.11** |
| 13 | 20 | 60 | 10 | **174.130.11** |
| 14 | 20 | 60 | 10 | **174.140.11** |
| 14 | 30 | 70 | 10 | **174.142.11** |
| 14 | 40 | 90 | 10 | **174.141.11** |
| 15 | 20 | 60 | 10 | **174.150.11** |
| 16 | 20 | 70 | 10 | **174.160.11** |
| 16 | 30 | 70 | 10 | **174.162.11** |
| 16 | 40 | 90 | 10 | **174.161.11** |
| 18 | 20 | 70 | 10 | **174.180.11** |
| 18 | 30 | 70 | 10 | **174.181.11** |
| 18 | 40 | 80 | 10 | **174.182.11** |
| 19 | 20 | 70 | 10 | **174.190.11** |
| 20 | 20 | 70 | 10 | **174.200.11** |
| 20 | 30 | 70 | 10 | **174.201.11** |
| 20 | 40 | 90 | 10 | **174.202.11** |
| 22 | 20 | 70 | 10 | **174.220.11** |
| 22 | 30 | 70 | 10 | **174.221.11** |
| 22 | 40 | 90 | 10 | **174.222.11** |
| 23.5 | 20 | 70 | 10 | **174.235.11** |
| 24 | 20 | 70 | 10 | **174.240.11** |
| 24 | 30 | 70 | 10 | **174.241.11** |
| 24 | 40 | 90 | 10 | **174.242.11** |
| 25 | 20 | 70 | 10 | **174.250.11** |
| 26 | 20 | 70 | 10 | **174.260.11** |
| 26 | 30 | 70 | 10 | **174.261.11** |
| 28 | 20 | 70 | 10 | **174.280.11** |
| 28 | 30 | 70 | 10 | **174.281.11** |
| 29 | 20 | 70 | 10 | **174.290.11** |
| 30 | 20 | 70 | 10 | **174.300.11** |
| 32 | 20 | 70 | 10 | **174.320.11** |

• **HWM**

## 177

| D mm | I mm | L mm | | ORDER NO. S=Ø12mm |
|---|---|---|---|---|
| 10 | 35 | 90 | 10 | **177.100.11** |
| 12 | 35 | 90 | 10 | **177.120.11** |
| 12 | 50 | 100 | 10 | **177.121.11** |
| 14 | 35 | 90 | 10 | **177.140.11** |
| 16 | 35 | 90 | 10 | **177.160.11** |
| 16 | 60 | 110 | 10 | **177.161.11** |
| 18 | 35 | 90 | 10 | **177.180.11** |
| 18 | 60 | 110 | 10 | **177.181.11** |
| 20 | 35 | 90 | 10 | **177.200.11** |
| 22 | 35 | 90 | 10 | **177.220.11** |
| 24 | 35 | 90 | 10 | **177.240.11** |
| 25 | 35 | 90 | 10 | **177.250.11** |
| 26 | 35 | 90 | 10 | **177.260.11** |
| 28 | 35 | 90 | 10 | **177.280.11** |
| 30 | 35 | 90 | 10 | **177.300.11** |
| 35 | 35 | 90 | 10 | **177.350.11** |

## 912

| D mm | I mm | L mm | | ORDER NO. S=Ø12mm |
|---|---|---|---|---|
| 12 | 70 | 110 | 10 | **912.623.11** |

**WARNING!** Long cutting edges! Carefully make several shallow passes to prevent damaging the tool. The CMT warranty does not cover improper use of the tool.

**PLUNGE CENTRE TIP Z2+1**

The special carbide-tipped cutting edge guarantees long-lasting performance compared to traditional bits.

Z3 for Nesting

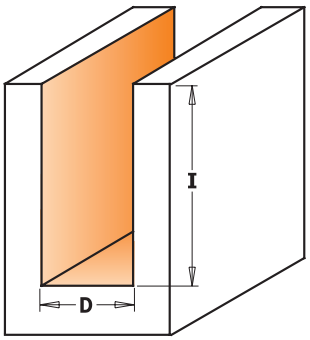
# 7/8/912

HWM HW Z2 Z3 RH

**SAFETY PRECAUTIONS:** never use damaged or worn bits. Always work at the recommended proper feed rate without forcing the bit. Pay particular attention when making the initial cut with a small diameter bit. For best results when working with small diameter bits, make the cut in more than one pass.

The sharpened cutting edge is perfect for short plunging operations

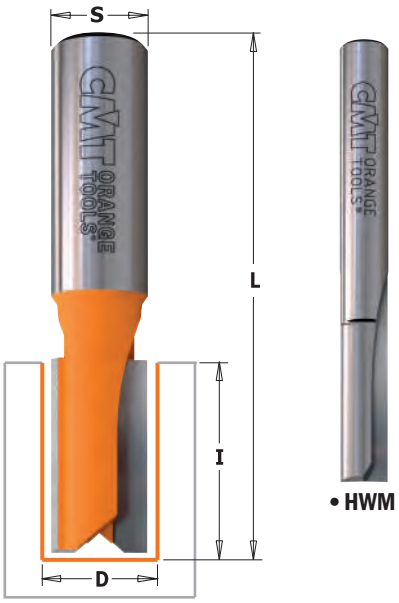
BULK PACK 10 PCS.




Drawing is 1:1 scale

• HWM

| D mm | I mm | L mm | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | ORDER NO. S=Ø10mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|---|
| • 3 | 11 | 60 | 10 | 712.030.11 | | | | | |
| • 3.2 | 12.7 | 50.8 | 10 | | 812.032.11 | | | | |
| • 4 | 12 | 60 | 10 | 712.040.11 | | | | | |
| • 5 | 18 | 60 | 10 | 712.050.11 | | | | | |
| • 6 | 25.4 | 60 | 10 | 712.060.11 | 812.060.11 | 912.060.11 | | | |
| • 6.35 | 25.4 | 60 | 10 | | 812.064.11 | | | | |
| • 8 | 31.7 | 60 | 10 | 712.080.11 | 812.080.11 | 912.080.11 | | | |
| • 8 | 31.7 | 75 | 10 | | | | | 912.580.11 | |
| 9 | 31.7 | 75 | 10 | | | | | 912.590.11 | |
| 9.5 | 31.7 | 63.5 | 10 | | 812.095.11 | | | | |
| 9.5 | 31.7 | 73 | 10 | | | | | | 812.595.11 |
| 10 | 31.7 | 60 | 10 | 712.100.11 | 812.100.11 | 912.100.11 | | | |
| 10 | 31.7 | 70 | 10 | | | | | | 812.600.11 |
| 10 | 31.7 | 74 | 10 | | | | | 912.600.11 | |
| 11.1 | 31.7 | 82.5 | 10 | | | | | | 812.611.11 |
| 12 | 31.7 | 60 | 10 | 712.120.11 | 812.120.11 | 912.120.11 | | | |
| 12 | 31.7 | 70 | 10 | | | | | | 812.620.11 |
| 12 | 38.1 | 95 | 10 | | | | | 912.621.11 | 812.621.11 |
| 12 | 50.8 | 108 | 10 | | | | | 912.622.11 | |
| 12.7 | 31.7 | 70 | 10 | | 812.127.11 | 912.127.11 | | | |
| 12.7 | 38.1 | 95 | 10 | | | | | | 812.627.11 |
| 12.7 | 50.8 | 108 | 10 | | | | | | 812.628.11 |
| 12.7 | 63.5 | 111 | 10 | | | | | | 812.629.11 |
| 14 | 31.7 | 60 | 10 | 712.140.11 | 812.140.11 | 912.140.11 | | | |
| 14 | 31.7 | 70 | 10 | | | | | 912.640.11 | |
| 15 | 31.7 | 66 | 10 | 712.150.11 | 812.150.11 | 912.150.11 | | | |
| 15 | 31.7 | 70 | 10 | | | | | 912.650.11 | |
| 15.8 | 31.7 | 70 | 10 | | 812.158.11 | | | | |
| 16 | 31.7 | 66 | 10 | 712.160.11 | 812.160.11 | 912.160.11 | | | |
| 16 | 31.7 | 70 | 10 | | | | | 912.660.11 | 812.660.11 |
| 18 | 38.1 | 80 | 10 | | | | | 912.681.11 | |
| 19 | 38.1 | 82.5 | 10 | | | | | 912.690.11 | 812.690.11 |
| 19 | 50.8 | 92 | 10 | | | | | 912.691.11 | 812.691.11 |
| 20 | 38.1 | 80 | 10 | | | | | 912.701.11 | |
| 22 | 38.1 | 80 | 10 | | | | | 912.721.11 | |
| BULK PACK 10 PCS. | | | | | | | | | |
| 6.35 | 25.4 | 60 | | | 812.064.11-X10 | | | | |
| 12.7 | 50.8 | 108 | | | | | | | 812.628.11-X10 |
| FOR INDUSTRIAL NESTING APPLICATION [Z3] - DLCS CHROME LONG-LIFE COATING | | | | | | | | | |
| • 6 | 21 | 73 | 10 | | | | | 912.561.11 | |
| • 6 | 26 | 73 | 10 | | | | | 912.560.11 | |
| • 6.35 | 26 | 73 | 10 | | | | | | 812.564.11 |
| • 8 | 21 | 73 | 10 | | | | | 912.582.11 | |
| • 8 | 28.7 | 76 | 10 | | | | | 912.581.11 | 812.581.11 |
| • 8 | 32 | 76 | 10 | | | | | 912.583.11 | |
| • 10 | 21 | 75 | 10 | | | | 912.610.11 | | |
| • 10 | 32 | 75 | 10 | | | | 912.611.11 | | |

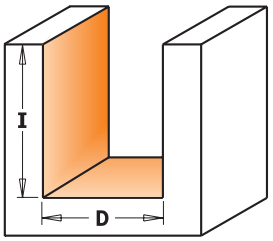



## 7/8/911

HWM HW Z1 Z2 RH

If you are looking to get the most out of your time and money through more efficient production, but want nothing This double edged cutter is made of special FATIGUE-PROOF® steel and micrograin carbide to withstand even the heaviest of workloads. The surface is protected with our trademark orange non-stick PTFE coating to help keep the bit from collecting resin, pitch and other residue.
Every bit is subject to strict quality tests to guarantee perfect cutting tolerance, balance and concentricity.
You can also count on exceptional swarf removal to allow cleaner and more constant cutting. CMT bits are perfect for industrial scale production using a variety of materials such as plywood, composites and natural woods.

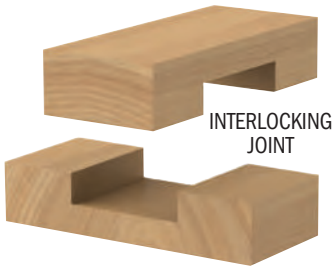
The sharpened cutting edge is perfect for short plunging operations.




Drawing is 1:1 scale

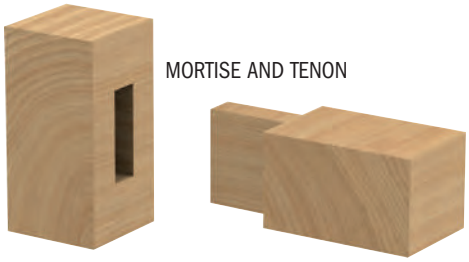
BISCUIT JOINT
**7/8/911.040.11**

RIGHT-ANGLE JOINT



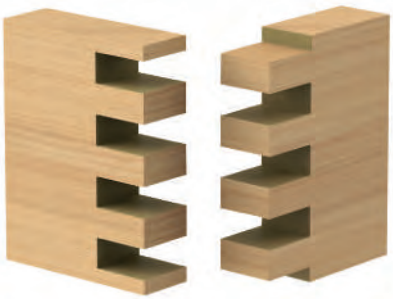
INTERLOCKING JOINT

TONGUE AND GROOVE JOINT



MORTISE AND TENON

RABBET



FINGER JOINT

## Plywood Groove Set

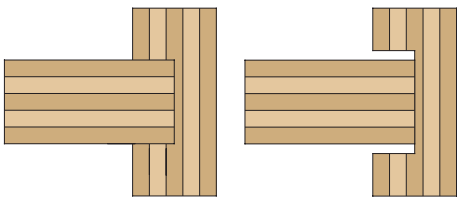
## 811

HWM HW Z2 RH

These groove bits are specifically designed to rout grooves and dadoes for joints in plywood. This means they match the true thickness of the material, producing tight, accurate joints. Use our 18.2mm bit for 19mm plywood, 12.3mm bit for 12.7mm plywood and our 6mm bit for 6.35mm plywood. No gaps.
No sloppy joints. No worries! These money-saving 3-bit sets are available with 12.7mm or 6.35mm shanks.

### EXAMPLE SHOWN IN 12.7MM THICK PLYWOOD

This joint is made with the CMT 12.3mm straight bit for 12.7mm plywood. Notice the precise fit - no gaps.



This joint is made with a regular 12.7mm straight bit for 12.7mm plywood. Notice the extra space and poor joint fit.

| DESCRIPTION | | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|
| Plywood Groove Set (Ø6 - Ø12.3 - Ø18.2mm) | 5 | **811.001.11** | **811.501.11** |

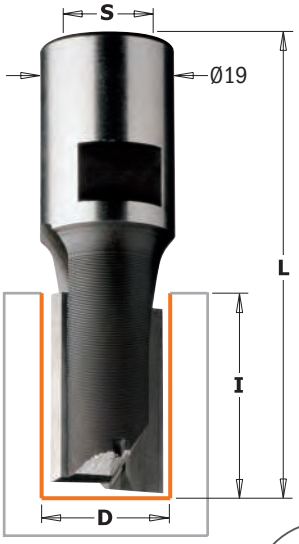


® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

# Straight Bits - SHORT SERIES

| D mm | I mm | L mm | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|
| • 2* | 4 | 45 | 10 | 711.020.11 | 811.020.11 | | | |
| • 3 | 8 | 45 | 10 | 711.030.11 | 811.030.11 | | | |
| • 3 | 8 | 50 | 10 | | | 911.030.11 | | |
| • 3 | 8 | 58.3 | 10 | | | | 911.530.11 | |
| • 3.2 | 9.5 | 45 | 10 | | 811.032.11 | | | |
| • 4 | 10 | 58.3 | 10 | | | | 911.540.11 | |
| • 4 | 10 | 45 | 10 | 711.040.11 | 811.040.11 | | | |
| • 4 | 10 | 50 | 10 | | | 911.040.11 | | |
| • 4.75 | 12.7 | 50.8 | 10 | | 811.047.11 | | | |
| • 5 | 12 | 50 | 10 | 711.050.11 | 811.050.11 | 911.050.11 | | |
| • 5 | 12 | 58.3 | 10 | | | | 911.550.11 | |
| • 6 | 16 | 50 | 10 | 711.060.11 | 811.060.11 | 911.060.11 | | |
| • 6 | 19 | 63.5 | 10 | | | | 911.560.11 | 811.560.11 |
| • 6.35 | 19 | 50.8 | 10 | | 811.064.11 | | | |
| • 6.35 | 19 | 57.2 | 10 | | 811.065.11 | | | |
| • 6.35 | 19 | 63.5 | 10 | | | | | 811.564.11 |
| • 7 | 18 | 49 | 10 | 711.070.11 | 811.070.11 | 911.070.11 | | |
| • 7 | 18 | 63.5 | 10 | | | | 911.570.11 | |
| • 7.6 | 20 | 50 | 10 | | | 911.076.11 | | |
| • 8 | 20 | 50.8 | 10 | 711.080.11 | 811.080.11 | 911.080.11 | | |
| • 8 | 25.4 | 70 | 10 | | 811.081.11 | | | |
| • 8 | 25.4 | 70 | 10 | | | | | 811.581.11 |
| 9 | 20 | 48 | 10 | 711.090.11 | | 911.090.11 | | |
| 9.5 | 19 | 50.8 | 10 | | 811.095.11 | | | |
| 9.5 | 25.4 | 63.5 | 10 | | 811.096.11 | | | |
| 9.5 | 25.4 | 66.7 | 10 | | | | | 811.595.11 |
| 10 | 20 | 48 | 10 | 711.100.11 | 811.100.11 | 911.100.11 | | |
| 10 | 25.4 | 63.5 | 10 | | | | | 811.600.11 |
| 11 | 20 | 48 | 10 | 711.110.11 | | 911.110.11 | | |
| 12 | 20 | 50 | 10 | 711.120.11 | 811.120.11 | 911.120.11 | | |
| 12 | 25.4 | 63.5 | 10 | | | | 911.620.11 | 811.620.11 |
| 12.3 | 25.4 | 57.2 | 10 | | 811.123.11 | | | |
| 12.3 | 25.4 | 63.5 | 10 | | | | | 811.623.11 |
| 12.7 | 19 | 57.2 | 10 | | 811.127.11 | | | |
| 12.7 | 25.4 | 66.7 | 10 | | | | | 811.627.11 |
| 12.7 | 31.7 | 76.2 | 10 | | | | | 811.628.11 |
| 13 | 20 | 57 | 10 | 711.130.11 | | 911.130.11 | | |
| 14 | 20 | 50 | 10 | 711.140.11 | 811.140.11 | 911.140.11 | | |
| 14.2 | 14.2 | 57.2 | 10 | | 811.142.11 | | | |
| 15 | 20 | 57.2 | 10 | 711.150.11 | 811.150.11 | 911.150.11 | | |
| 15.8 | 19 | 66.7 | 10 | | 811.158.11 | | | |
| 15.8 | 25.4 | 63.5 | 10 | | | | | 811.660.11 |
| 16 | 20 | 57.2 | 10 | 711.160.11 | 811.160.11 | 911.160.11 | | |
| 16 | 25.4 | 63.5 | 10 | | | | | 811.661.11 |
| 17 | 20 | 50 | 10 | 711.170.11 | | | | |
| new 17 | 20 | 52 | 10 | | | 911.170.11 | | |
| 18 | 20 | 52 | 10 | 711.180.11 | 811.180.11 | 911.180.11 | | |
| 18.2 | 25.4 | 57.2 | 10 | | 811.182.11 | | | |
| 18.2 | 25.4 | 63.5 | 10 | | | | | 811.682.11 |
| 19 | 20 | 57.2 | 10 | 711.190.11 | 811.191.11 | 911.190.11 | | |
| 19 | 25.4 | 63.5 | 10 | | | | | 811.690.11 |
| 19.85 | 25.4 | 59 | 10 | | | | | 811.700.11 |
| 20 | 20 | 50 | 10 | 711.200.11 | 811.200.11 | 911.200.11 | | |
| 22 | 20 | 57.2 | 10 | 711.220.11 | 811.220.11 | 911.220.11 | | |
| 24 | 20 | 50 | 10 | 711.240.11 | | 911.240.11 | | |
| 25 | 20 | 50 | 10 | 711.250.11 | | 911.250.11 | | |
| 25.4 | 19 | 50.8 | 10 | | 811.254.11 | | | |
| 25.4 | 31.7 | 76.2 | 10 | | | | | 811.754.11 |
| 28.5 | 31.7 | 76.2 | 10 | | | | | 811.785.11 |

**• HWM**
*** Z1**



## 170 - 171 - 180 - 181

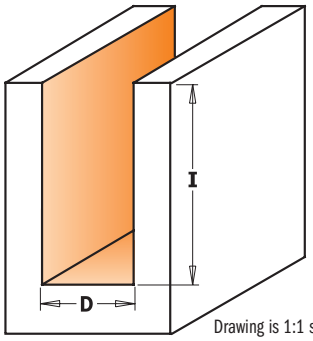
HW Z2+1 RH

| D mm | I mm | L mm | | ORDER NO. S=M12x1 | |
|---|---|---|---|---|---|
| 6 | 18 | 60 | 1 | 170.060.11 | |
| 8 | 23 | 60 | 1 | 170.080.11 | |
| 10 | 23 | 60 | 1 | 170.100.11 ■ | |
| 12 | 23 | 60 | 1 | 170.120.11 | |
| 14 | 23 | 60 | 1 | 170.140.11 | |
| 15 | 25 | 60 | 1 | 170.150.11 | |
| 16 | 25 | 60 | 1 | 170.160.11 | |
| 18 | 25 | 60 | 1 | 170.180.11 | |
| 20 | 25 | 60 | 1 | 170.200.11 | |
| 22 | 25 | 60 | 1 | 170.220.11 | |
| 24 | 25 | 60 | 1 | 170.240.11 | |
| 25 | 25 | 60 | 1 | 170.250.11 | |
| 26 | 25 | 60 | 1 | 170.260.11 | |
| 30 | 25 | 60 | 1 | 170.300.11 | |
| 35 | 25 | 60 | 1 | 170.350.11 | |
| | | | | | |
| 8 | 35 | 67 | 1 | 171.080.11 | |
| 10 | 35 | 67 | 1 | 171.100.11 | |
| 12 | 35 | 67 | 1 | 171.120.11 | |
| 14 | 35 | 67 | 1 | 171.140.11 | |
| 16 | 35 | 67 | 1 | 171.160.11 | |
| 18 | 35 | 67 | 1 | 171.180.11 | |
| 20 | 35 | 67 | 1 | 171.200.11 | |
| 22 | 35 | 67 | 1 | 171.220.11 | |
| | | | | | |
| 12 | 45 | 77 | 1 | 180.120.11 | |
| 16 | 45 | 77 | 1 | 180.160.11 | |
| 18 | 45 | 77 | 1 | 180.180.11 | |
| 20 | 45 | 77 | 1 | 180.200.11 | |
| | | | | | |
| 16 | 60 | 92 | 1 | 181.160.11 | |
| 20 | 60 | 92 | 1 | 181.200.11 | |

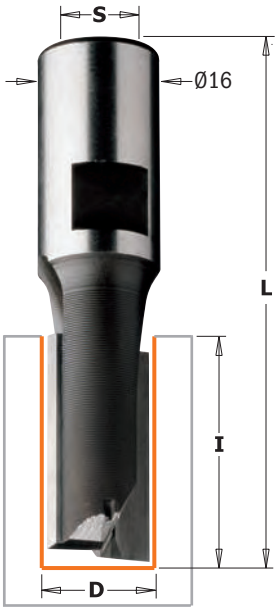
■ *While supplies last*

**TECHNICAL DETAILS:**
- Strength steel.
- 2 HW alternating precision ground cutting edges [Z2+1].

**APPLICATION:** ideal for groovework in solid wood, wood composites and laminates.
Can be used on machining centres, CNC routers and hand-held routers equipped with chucks or adaptors.




Drawing is 1:1 scale



## 173 - 182

HW Z2+1 RH

| D mm | I mm | L mm | | ORDER NO. S=M10x1,5 | |
|---|---|---|---|---|---|
| 6 | 14 | 50 | 1 | 173.060.11 | |
| 10 | 22 | 52 | 1 | 173.100.11 | |
| 12 | 22 | 52 | 1 | 173.120.11 | |
| 14 | 25 | 52 | 1 | 173.140.11 | |
| 15 | 25 | 52 | 1 | 173.150.11 | |
| 16 | 25 | 52 | 1 | 173.160.11 | |
| 18 | 25 | 52 | 1 | 173.180.11 | |
| 20 | 25 | 52 | 1 | 173.200.11 | |
| 22 | 25 | 52 | 1 | 173.220.11 | |
| 25 | 25 | 52 | 1 | 173.250.11 | |
| 30 | 25 | 52 | 1 | 173.300.11 | |
| | | | | | |
| 8 | 35 | 67 | 1 | 182.080.11 | |
| 10 | 35 | 67 | 1 | 182.100.11 | |
| 12 | 35 | 67 | 1 | 182.120.11 | |
| 14 | 35 | 67 | 1 | 182.140.11 | |
| 16 | 45 | 77 | 1 | 182.160.11 | |
| 18 | 45 | 77 | 1 | 182.180.11 | |
| 20 | 45 | 77 | 1 | 182.200.11 | |

**TECHNICAL DETAILS:**
- Strength steel.
- 2 HW alternating precision ground cutting edges [Z2+1].

# Z2 - Solid Carbide UPCUT Spiral Bits for Aluminium and PVC

## 186

MIRROR FINISH | HWM | Z2 | RH | UP

| D mm | I mm | L mm | S mm | | ORDER NO. Rotazione Destra |
|---|---|---|---|---|---|
| 4 | 10 | 60 | 6 | 10 | **186.640.11** |
| 5 | 12 | 60 | 6 | 10 | **186.650.11** |
| 6 | 15 | 60 | 6 | 10 | **186.060.11** |
| 8 | 20 | 60 | 8 | 10 | **186.080.11** |
| 10 | 22 | 72 | 10 | 10 | **186.100.11** |
| 12 * | 25 | 83 | 12 | 10 | **186.120.11** |
| 14 * | 25 | 82 | 14 | 10 | **186.140.11** |
| 16 * | 25 | 82 | 16 | 10 | **186.160.11** |

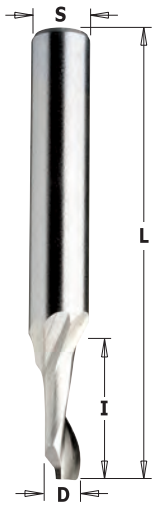
*Download working parameters for **186** bits*

* with seat for seeger retention ring (not included)

**TECHNICAL DETAILS:**
- Premium quality HWM.
- 2 spiral cutting edges [Z2].
- Extra-fine finish.
- Upward chip ejection.

**APPLICATION:** used for **plunging, routing and trimming** on plastic and aluminum at high feed speed.
Can be used on machining centers, point to point machines, CNC routers and **hand held routers** equipped with chucks.

# Z1 - Spiral Bits POSITIVE for Aluminium and PVC

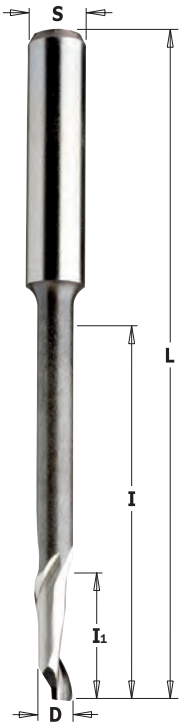



## 188 5% CO HSS SPIRAL BITS

HSS | Z1 | RH

| D mm | I mm | L mm | | ORDER NO. S=Ø8mm | |
|---|---|---|---|---|---|
| 3 | 12 | 60 | 50 | **188.030.51** | |
| 4 | 12 | 60 | 50 | **188.040.51** | |
| 4 | 40 | 100 | 1 | **188.041.51** | |
| 5 | 14 | 60 | 50 | **188.050.51** | |
| 5 | 40 | 100 | 1 | **188.051.51** | |
| 6 | 14 | 60 | 50 | **188.060.51** | |
| 6 | 40 | 100 | 1 | **188.061.51** | |
| 7 | 14 | 60 | 50 | **188.070.51** | |
| 8 | 14 | 80 | 50 | **188.080.51** | |
| 8 | 40 | 100 | 1 | **188.081.51** | |
| 9 | 14 | 80 | 50 | **188.090.51** | |
| 10 | 14 | 80 | 50 | **188.100.51** | |
| 12 | 14 | 80 | 50 | **188.120.51** | |

***Suggested* MAX RPM 12.000**




## 189 5% CO HSS SPIRAL BITS FOR HIGH CUTTING DEPTH

HSS | Z1 | RH

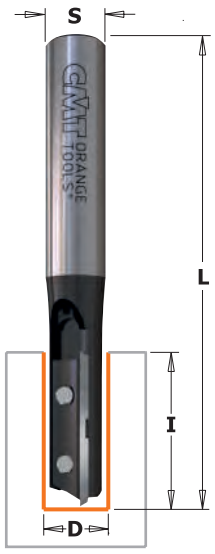
| D mm | I mm | $I_1$ mm | L mm | S mm | | ORDER NO. |
|---|---|---|---|---|---|---|
| 4 | 45 | 16 | 90 | 8 | 1 | **189.040.51** |
| 5 | 35 | 18 | 80 | 8 | 50 | **189.050.51** |
| 5 | 35 | 14 | 120 | 8 | 1 | **189.051.51** |
| 5 | 55 | 16 | 90 | 8 | 1 | **189.052.51** |
| 6 | 45 | 16 | 90 | 8 | 1 | **189.060.51** |
| 8 | 68 | 14 | 100 | 8 | 1 | **189.080.51** |
| 8 | 55 | 14 | 80 | 8 | 50 | **189.081.51** |
| 10 | 95 | 14 | 120 | 10 | 1 | **189.100.51** |
| 10 | 70 | 30 | 100 | 10 | 1 | **189.101.51** |

***Suggested* MAX RPM 12.000**

**TECHNICAL DETAILS:**
- 5% Co premium solid HSS.
- 1 upcut spiral cutting edge.
- Upward chip ejection.

**APPLICATION:** for **plunging, routing and trimming** aluminium profiles, plastics with superb efficiency and high feed speed. Can be used on machining centres, **aluminium copy routers, CNC and hand-held routers equipped with chucks or adaptors.**

CMT ORANGE TOOLS®



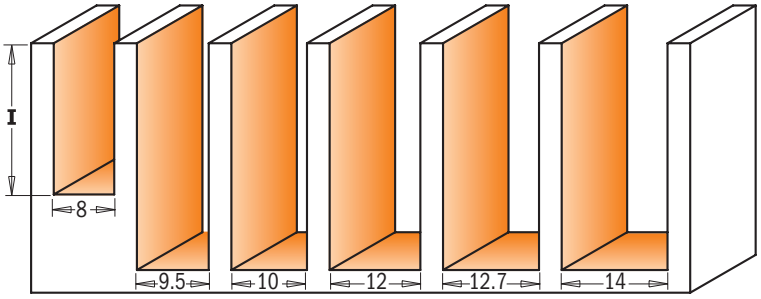

# 651 - 652

INSERT CARBIDE | Z1 | RH | 2X CUTTING

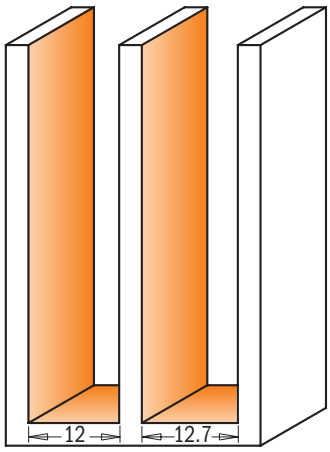
Straight router bit with one replaceable mini knife and fixing wedge. Radial and axial groove for better and safe knife insertion. For finishing, routing and grooving in board materials (DTD laminated, MDF and hardwood). For use on portable routers or CNC machining centres.

**SAFETY TIPS**

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).




Drawing is 1:1 scale

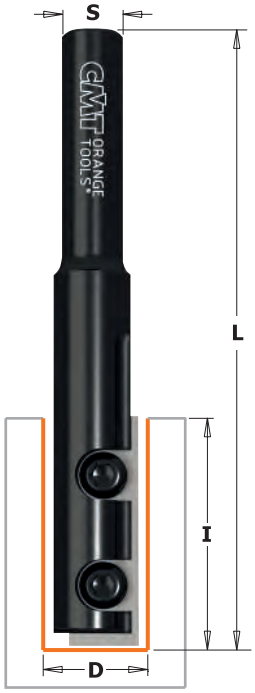



| D mm | I mm | L mm | | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|
| 8 | 20 | 60 | 10 | **651.079.11** | | | |
| 8 | 20 | 60 | 10 | | **651.080.11** | | |
| 8 | 20 | 67 | 10 | | | **651.081.11** | |
| 10 | 30 | 70 | 10 | | **651.100.11** | | |
| 10 | 30 | 80 | 10 | | | **651.101.11** | **651.701.11** |
| 12 | 30 | 70 | 10 | | **651.120.11** | | |
| 12 | 30 | 80 | 10 | | | **651.121.11** | **651.721.11** |
| 12 | 50 | 103 | 10 | | | **652.121.11** | **652.621.11** |
| 12.7 | 30 | 80 | 10 | | | | **651.727.11** |
| 12.7 | 50 | 103 | 10 | | | | **652.628.11** |
| 14 | 30 | 73 | 10 | | **651.140.11** | | |

*Spare parts*

| | | | |
|---|---|---|---|
| 790.200.01 | 651.999.01 | 990.070.00 | 991.074.00 |
| 790.200.01 | 651.999.01 | 990.070.00 | 991.074.00 |
| 790.200.01 | 651.999.01 | 990.070.00 | 991.074.00 |
| 790.300.01 | 651.999.02 | 990.071.00 | 991.063.00 |
| 790.300.01 | 651.999.02 | 990.071.00 | 991.063.00 |
| 790.300.01 | 651.999.02 | 990.071.00 | 991.063.00 |
| 790.300.01 | 651.999.02 | 990.071.00 | 991.063.00 |
| 790.500.01 | 651.999.03 | 990.016.00 | 991.060.00 |
| 790.300.01 | 651.999.02 | 990.071.00 | 991.063.00 |
| 790.500.01 | 651.999.03 | 990.016.00 | 991.060.00 |
| 790.300.01 | 651.999.02 | 990.071.00 | 991.063.00 |

## Straight Bits with Insert Knives for Laminates




# 652

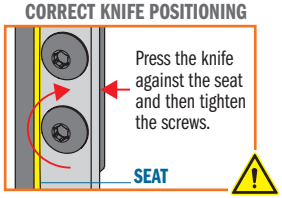
INSERT CARBIDE | Z1 | RH | 2X CUTTING

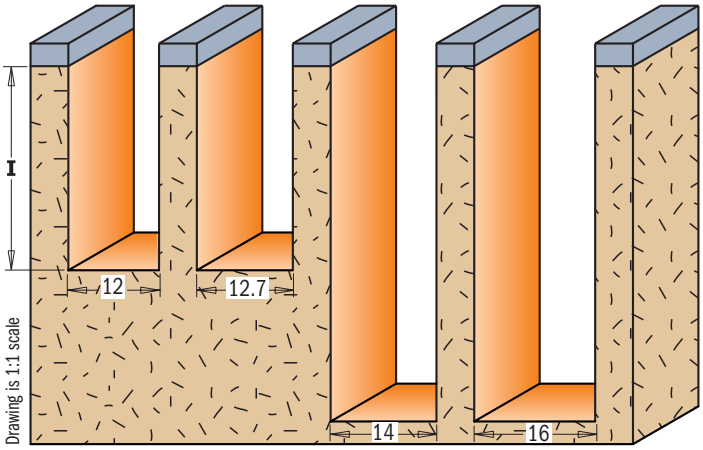
Straight trimmer bits with one replaceable knife fixed by a TORX® screw. A smart economical solution best suited for specialized applications requiring low downtime.
The 29.5x9x1.5mm knives provide a 40mm cutting length by making multiple passes.
For routing trimming and grooving on board materials (laminated chipboard, worktop panels and MDF).
For use on portable routers.

**SAFETY TIPS**

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

**CORRECT KNIFE POSITIONING**




| D mm | I mm | L mm | | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|
| 12 | 29.5 | 79 | 10 | **652.120.11** | | |
| 12 | 39.5 | 90 | 10 | **652.122.11** | | |
| 12.7 | 29.5 | 89 | 10 | | | **652.627.11** |
| 14 | 50 | 96 | 10 | | **652.141.11** | |
| 16 | 50 | 96 | 10 | | **652.161.11** | |

*Spare parts*

| | | |
|---|---|---|
| 790.295.09 | 990.072.00 | 991.061.00 |
| 790.395.09 | 990.072.00 | 991.061.00 |
| 790.295.09 | 990.072.00 | 991.061.00 |
| 790.500.09 | 990.072.00 | 991.061.00 |
| 790.500.09 | 990.072.00 | 991.061.00 |



® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

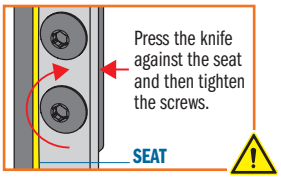
CMT ORANGE TOOLS®

## 653

INSERT CARBIDE · MEC · Z1+1 · RH · 2X CUTTING

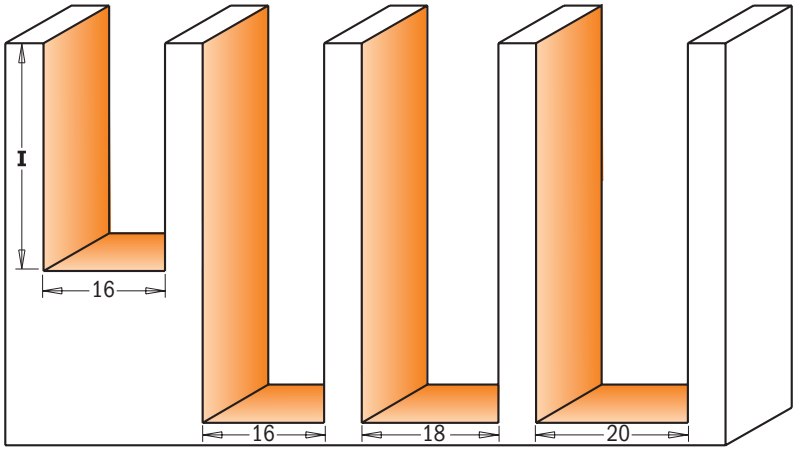
Straight router bits with a replaceable plunging knife and side knife fixed by a special TORX® screw. The tool bodies are precisely balanced. For finishing, routing, plunging and grooving on board materials (laminated chipboards and MDF) and hardwood. For use on portable routers or CNC machining centres.

**CORRECT KNIFE POSITIONING**




**SAFETY TIPS**

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).




Drawing is 1:1 scale

| D mm | I mm | L mm | | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm | ORDER NO. S=Ø20mm |
|---|---|---|---|---|---|---|---|
| 15.8 | 28.3 | 92 | 10 | | | **653.158.11** | |
| 16 | 28.3 | 82 | 10 | **653.160.11** | | | |
| 16 | 28.3 | 92 | 10 | | **653.161.11** | | **653.661.11** |
| 16 | 48.3 | 111.5 | 10 | | **653.162.11** | | **653.662.11** |
| 18 | 48.3 | 111.5 | 10 | | | | **653.681.11** |
| 20 | 48.3 | 111.5 | 10 | | | | **653.701.11** |

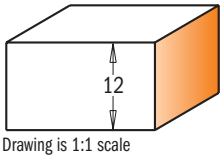
*Spare parts*

| | | | | | |
|---|---|---|---|---|---|
| 790.283.12 | 990.074.00 | 990.075.00 | 790.075.00 | 990.072.00 | 991.061.00 |
| 790.283.12 | 990.074.00 | 990.075.00 | 790.075.00 | 990.072.00 | 991.061.00 |
| 790.283.12 | 990.074.00 | 990.075.00 | 790.075.00 | 990.072.00 | 991.061.00 |
| 790.483.12 | 990.074.00 | 990.075.00 | 790.075.00 | 990.072.00 | 991.061.00 |
| 790.483.12 | 990.074.00 | 990.075.00 | 790.075.00 | 990.072.00 | 991.061.00 |
| 790.483.12 | 990.074.00 | 990.075.00 | 790.096.00 | 990.072.00 | 991.061.00 |

Straight Bits with Insert Knives

## 655

4X CUTTING




Drawing is 1:1 scale

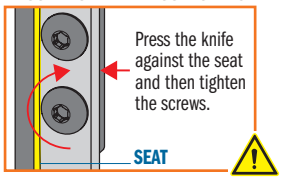
## 654

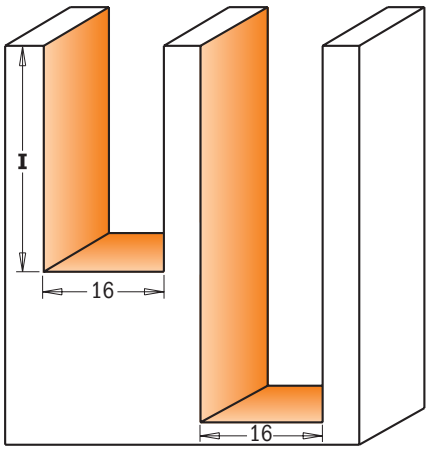
2X CUTTING

For finishing, routing, plunging and grooving on board materials (laminated chipboards and MDF) and hardwood. For use on portable routers, **point to point,** or CNC centres.

INSERT CARBIDE · MEC · Z2 · RH

**CORRECT KNIFE POSITIONING**




Drawing is 1:1 scale

**SAFETY TIPS**

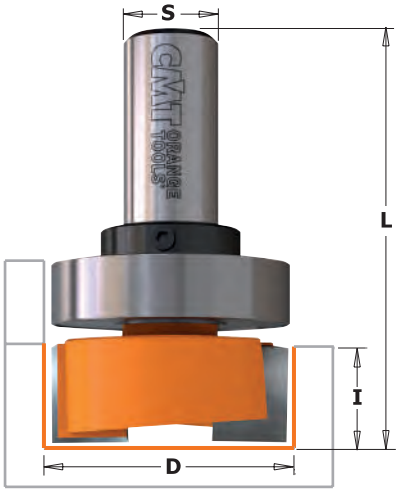
The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

| D mm | I mm | L mm | | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø20mm |
|---|---|---|---|---|---|---|
| 16 | 28.3 | 76 | 10 | **654.160.11** | | |
| 16 | 28.3 | 87 | 10 | | **654.161.11** | |
| 16 | 48.3 | 105 | 10 | | **654.162.11** | **654.662.11** |
| 19 | 12 | 45 | 10 | **655.190.11** | | |

*Spare parts*

| | | |
|---|---|---|
| 790.283.12 | 990.073.00 | 991.061.00 |
| 790.283.12 | 990.073.00 | 991.061.00 |
| 790.483.12 | 990.073.00 | 991.061.00 |
| 790.120.00 | 990.075.00 | 991.061.00 |

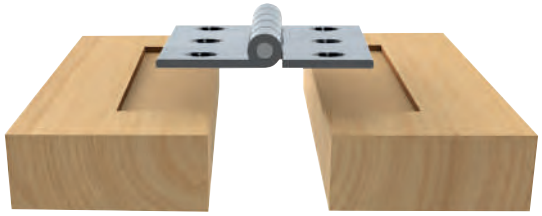
® Brand names mentioned in CMT products are the property of their respective owners (see back cover)




# 7/8/901B

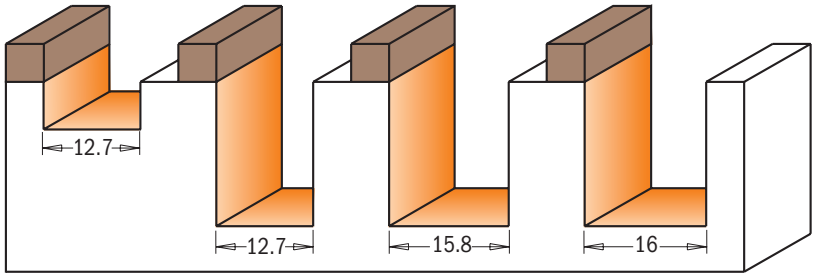
HW Z2 RH

Perfectly mortised hinges are the sign of a true artisan. These bits equipped with thick Tungsten carbide tips and negative shear angle design, guarantee flawless performance. Mortise perfect hinges with no splintered edges or rough bottoms. Mortising is a breeze on both natural wood and wood composites.
Compatible with most mortising jigs.
Complete with a top bearing guide, these bits are the perfect tool for sign making and template work.

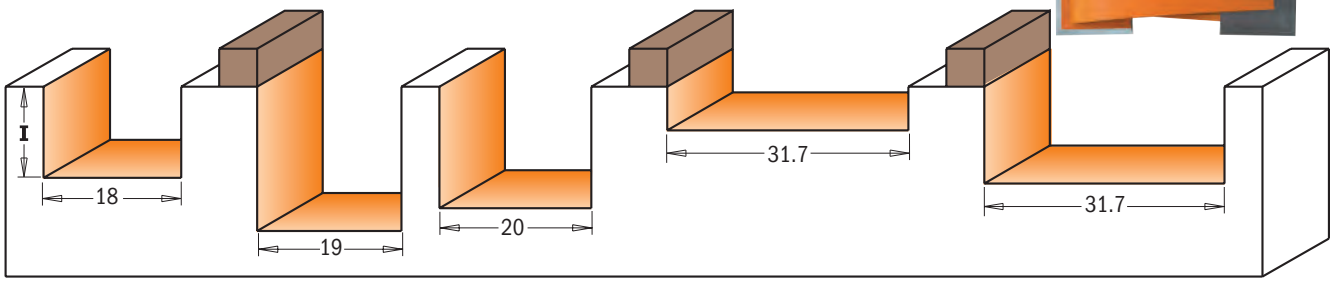


*The CMT mortising bit is an essential tool for traditional hinge installation.*

# 7/8/901




Drawing is 1:1 scale

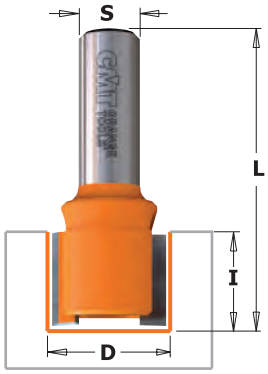



| D mm | I mm | L mm | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|
| 12.7 | 6.35 | 41 | 10 | | 801.128.11 | | | |
| 12.7 | 19 | 54 | 10 | 701.127.11 | 801.127.11 | 901.127.11 | | |
| 12.7 | 19 | 60 | 10 | | | | 901.627.11 | 801.627.11 |
| 15.8 | 19 | 57 | 10 | | 801.158.11 | | | |
| 16 | 19 | 54 | 10 | 701.160.11 | | 901.160.11 | | |
| 18 | 16 | 48 | 10 | 701.180.11 | | 901.180.11 | | |
| 19 | 19 | 54 | 10 | 701.190.11 | 801.190.11 | 901.190.11 | | |
| 19 | 19 | 57 | 10 | | | | | 801.690.11 |
| 20 | 16 | 48 | 10 | 701.200.11 | | 901.200.11 | | |
| 31.7 | 5.7 | 63 | 10 | | | | | 801.818.11 |
| 31.7 | 12.7 | 48 | 10 | | 801.317.11 | | | |
| 31.7 | 12.7 | 54 | 10 | | | | 901.817.11 | 801.817.11 |
| WITH TOP BEARING | | | | | | | | |
| 12.7 | 6.35 | 41 | 10 | | 801.128.11B | | | |
| 12.7 | 19 | 54 | 10 | | 801.127.11B | | | |
| 15.8 | 19 | 57 | 10 | | 801.158.11B | | | |
| 16 | 19 | 54 | 10 | | | 901.160.11B | | |
| 19 | 19 | 54 | 10 | 701.190.11B | | | | |
| 19 | 19 | 54 | 10 | | 801.190.11B | | | |
| 31.7 | 5.7 | 63 | 10 | | | | | 801.818.11B |
| 31.7 | 12.7 | 54 | 10 | | | | | 801.817.11B |

*Spare parts*

| | | |
|---|---|---|
| 791.010.00 | 541.001.00 | 991.056.00 |
| 791.010.00 | 541.001.00 | 991.056.00 |
| 791.009.00 | 541.001.00 | 991.056.00 |
| 791.025.00 | 541.004.00 | 991.056.00 |
| 791.007.00 | 541.003.00 | 991.056.00 |
| 791.004.00 | 541.001.00 | 991.056.00 |
| 791.015.00 | 541.002.00 | 991.056.00 |
| 791.015.00 | 541.002.00 | 991.056.00 |

# Hinge Recesser Bits

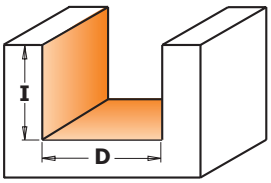



## 7/902

HW Z2 RH

CMT hinge recesser bits are ideal for shallow lateral routing cuts such as recessing hinges.

**SHOP TIPS:** corners will require final square with a hand or a corner chisel.




Drawing is 1:1 scale

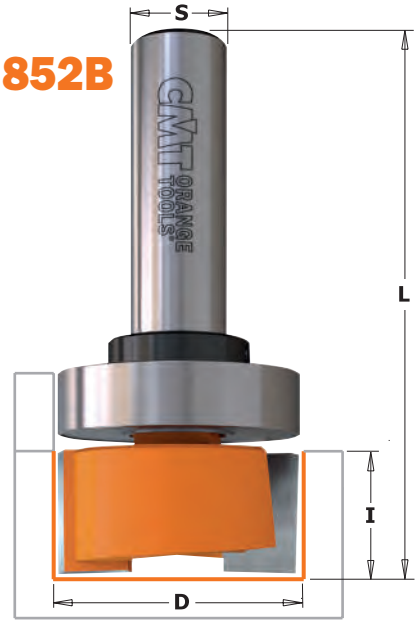
IDEAL FOR HINGE RECESSING

The special design allows for optimal chip clearance and plunging.

| D mm | I mm | L mm | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø8mm |
|---|---|---|---|---|---|
| 12 | 12 | 38 | 10 | **702.120.11** | **902.120.11** |
| 13 | 12 | 38 | 10 | **702.130.11** | **902.130.11** |
| 14 | 12 | 38 | 10 | **702.140.11** | **902.140.11** |
| 15 | 12 | 38 | 10 | **702.150.11** | **902.150.11** |
| 16 | 12 | 38 | 10 | **702.160.11** | **902.160.11** |
| 18 | 12 | 38 | 10 | **702.180.11** | **902.180.11** |
| 20 | 11 | 38 | 10 | **702.200.11** | **902.200.11** |
| 22 | 11 | 38 | 10 | **702.220.11** | **902.220.11** |
| 23 | 11 | 38 | 10 | **702.230.11** | **902.230.11** |
| 24 | 11 | 38 | 10 | **702.240.11** | **902.240.11** |
| 25 | 11 | 38 | 10 | **702.250.11** | **902.250.11** |

# Dado & Planer Bits

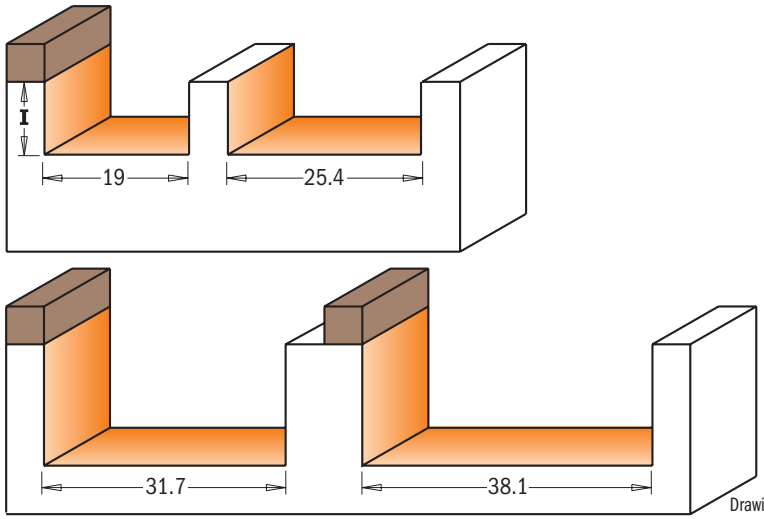
## 852B




HW Z2 RH

This bit is perfect for smoothing baseboard and rough surfaces. Tungsten carbide tips and downward shear angle provide exceptional performance and quality. This bit can be used to remove paint and enamel residues. Also available with bearing for projects requiring high precision.

## 852

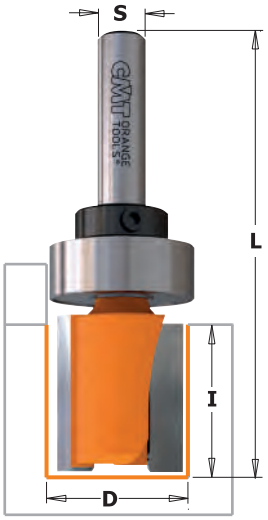



Drawing is 1:1 scale

| D mm | I mm | L mm | | | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|
| 19 | 9.5 | 57 | 10 | | **852.001.11** | | | |
| 19 | 9.5 | 63.5 | 10 | | | | | **852.501.11** |
| 25.4 | 9.5 | 57 | 10 | | | | | **852.502.11** |
| 31.7 | 15.8 | 70 | 10 | | | | | **852.503.11** |
| 38.1 | 15.8 | 70 | 10 | | | | | **852.504.11** |
| WITH TOP BEARING | | | | | | | | |
| 19 | 9.5 | 57 | 10 | | **852.001.11B** | | | |
| 19 | 9.5 | 57 | 10 | | | **952.001.11B** | | |
| 19 | 9.5 | 63.5 | 10 | | | | **952.501.11B** | **852.501.11B** |
| 31.7 | 15.8 | 70 | 10 | | | | **952.503.11B** | **852.503.11B** |
| 38.1 | 15.8 | 70 | 10 | | | | **952.504.11B** | **852.504.11B** |

*Spare parts*

| | | |
|---|---|---|
| 791.004.00 | 541.001.00 | 991.056.00 |
| 791.034.00 | 541.004.00 | 991.056.00 |
| 791.011.00 | 541.002.00 | 991.056.00 |
| 791.015.00 | 541.002.00 | 991.056.00 |
| 791.020.00 | 541.002.00 | 991.056.00 |

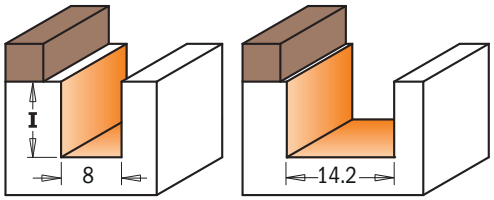


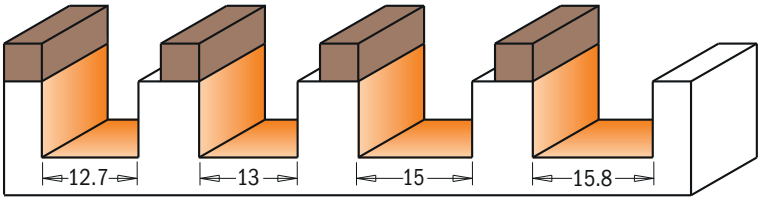

# 7/8/911B

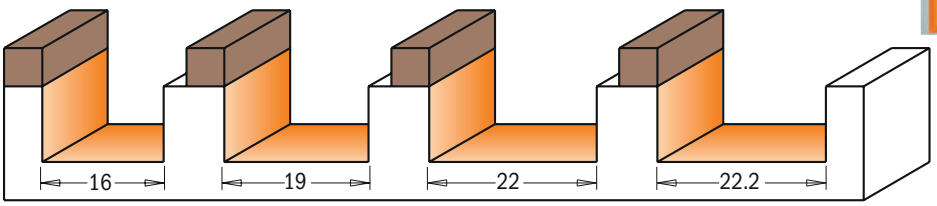
HW Z2 RH

These double-fluted bits paired with the template of your choice will produce distinctive cabinets, furniture pieces, signs, toys and personalize a variety of creative projects.

**SAFETY TIPS:** make sure your router is in top condition. The template must be securely fastened to the workpiece. When choosing a bit, carefully consider the thickness of the template and all the implications of the cut. Opt for the shortest bit possible for the project you are working on.




Drawing is 1:1 scale

## 7/8/912B

| D mm | I mm | L mm | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm | Spare parts | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 25.4 | 70 | 10 | | •811.081.11B | | | | 791.010.00 | 541.001.00 | 991.056.00 |
| 12.7 | 19 | 57.2 | 10 | | 811.127.11B | | | | 791.010.00 | 541.001.00 | 991.056.00 |
| 13 | 20 | 57 | 10 | 711.130.11B | | | | | 791.023.00 | 541.003.00 | 991.056.00 |
| 14.2 | 14.2 | 57.2 | 10 | | 811.142.11B | | | | 791.009.00 | 541.001.00 | 991.056.00 |
| 15 | 20 | 57 | 10 | 711.150.11B | | | | | 791.024.00 | 541.003.00 | 991.056.00 |
| 15.8 | 12.7 | 58 | 10 | | 811.159.11B | | | | 791.009.00 | 541.001.00 | 991.056.00 |
| 15.8 | 19 | 66.5 | 10 | | 811.158.11B | | | | 791.009.00 | 541.001.00 | 991.056.00 |
| 16 | 20 | 57 | 10 | | | 911.160.11B | | | 791.025.00 | 541.004.00 | 991.056.00 |
| 19 | 20 | 57 | 10 | 711.190.11B | | | | | 791.007.00 | 541.003.00 | 991.056.00 |
| 19 | 20 | 57.2 | 10 | | 811.191.11B | | | | 791.004.00 | 541.001.00 | 991.056.00 |
| 19 | 25.4 | 63.5 | 10 | | | | | 811.690.11B | 791.011.00 | 541.002.00 | 991.056.00 |
| 22 | 20 | 57 | 10 | | | 911.220.11B | | | 791.005.00 | 541.004.00 | 991.056.00 |
| 22.2 | 25.4 | 66.5 | 10 | | | | | 811.222.11B* | 791.021.00 | 541.006.00 | 991.056.00 |
| LONG SERIES | | | | | | | | | | | |
| 12.7 | 31.7 | 70 | 10 | | 812.127.11B | | | | 791.010.00 | 541.001.00 | 991.056.00 |
| 15 | 31.7 | 66.5 | 10 | 712.150.11B | | | | | 791.024.00 | 541.003.00 | 991.056.00 |
| 15.8 | 31.7 | 70 | 10 | | 812.158.11B | | | | 791.009.00 | 541.001.00 | 991.056.00 |
| 16 | 31.7 | 66.5 | 10 | | | 912.160.11B | | | 791.025.00 | 541.004.00 | 991.056.00 |
| 19 | 38.1 | 82.5 | 10 | | | | 912.690.11B | | 791.011.00 | 541.005.00 | 991.056.00 |
| 19 | 38.1 | 82.5 | 10 | | | | | 812.690.11B | 791.011.00 | 541.002.00 | 991.056.00 |
| 19 | 50.8 | 92 | 10 | | | | 912.691.11B | | 791.011.00 | 541.005.00 | 991.056.00 |
| 19 | 50.8 | 92 | 10 | | | | | 812.691.11B | 791.011.00 | 541.002.00 | 991.056.00 |

•**HWM**

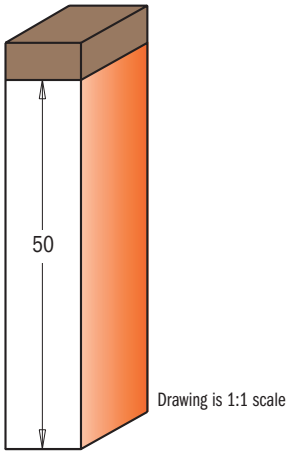
**Item with larger diameter bearing**

***Ø9.5mm shanks with Ø9.5/12.7mm bushings (799.001.00)**

## 652B

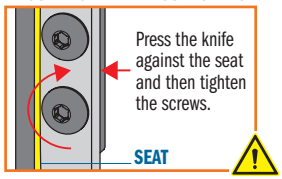
INSERT CARBIDE · Z1 · Z2 · RH · 2X CUTTING

Straight router bits with a replaceable knife fixed by a TORX® screw. An economical solution for specialized applications requiring low downtime.
Cut up to 40mm in depth by carrying out several passes. Equipped with top bearing for template use.
For routing, trimming and grooving in board materials (laminated chipboards, MDF) and hardwood.
For use on portable routers.



Drawing is 1:1 scale

**CORRECT KNIFE POSITIONING**




**SAFETY TIPS**

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

| D mm | I mm | L mm | Z | | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|
| 19 | 49.5 | 100 | 1 | 10 | **652.690.11B** | **652.691.11B** |
| 28 | 50 | 100 | 2 | 10 | **652.786.11B** | |
| 28.6 | 50 | 100 | 2 | 10 | | **652.787.11B** |

*Spare parts*

| | | | | | |
|---|---|---|---|---|---|
| 790.495.09 | 990.072.00 | 991.061.00 | 791.011.00 | 541.002.00 | 991.056.00 |
| 790.503.00* | 990.076.00 | 991.061.00 | 791.026.00 | 541.005.00 | 991.056.00 |
| 790.503.00* | 990.076.00 | 991.061.00 | 791.027.00 | 541.002.00 | 991.056.00 |

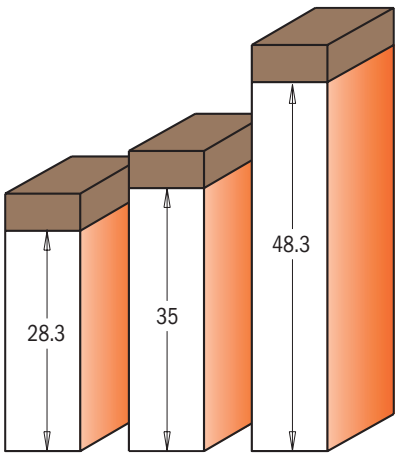
* 3 BORE

## Pattern Bits with Insert Knives for Laminates

## 656

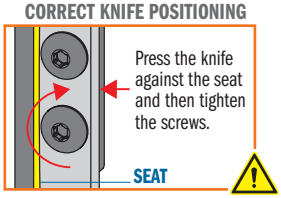
INSERT CARBIDE · Z2 · RH · 2X CUTTING

Straight router bits with a replaceable knife fixed by a TORX® screw. The top knife features a 3° sharpened angle for plunge and high precision cuts. Equipped with top bearing for template use. For finishing, routing and grooving in board materials (laminated chipboards, MDF) and hardwood. For use on portable routers.



Drawing is 1:1 scale

**CORRECT KNIFE POSITIONING**




**SAFETY TIPS**

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

| D mm | I mm | L mm | | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|
| 16 | 35 | 80 | 10 | **656.160.11** | | |
| 19 | 28.3 | 69 | 10 | **656.190.11** | | |
| 19 | 28.3 | 79 | 10 | | | **656.691.11** |
| 19 | 48.3 | 100 | 10 | | **656.692.11** | **656.693.11** |

*Spare parts*

| | | | | | |
|---|---|---|---|---|---|
| 790.283.12 | 990.076.00 | 991.061.00 | 791.025.00 | 541.004.00 | 991.056.00 |
| 790.283.12 | 990.075.00 | 991.061.00 | 791.034.00 | 541.004.00 | 991.056.00 |
| 790.283.12 | 990.075.00 | 991.061.00 | 791.011.00 | 541.002.00 | 991.056.00 |
| 790.483.12 | 990.075.00 | 991.061.00 | 791.011.00 | 541.002.00 | 991.056.00 |

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

# Weatherseal Bits

191.635

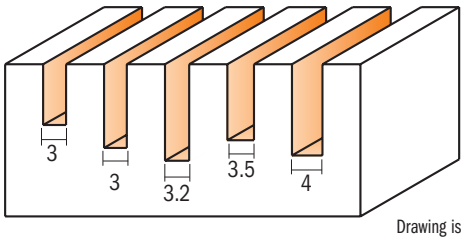
712.030
712.040
812.032

711.031

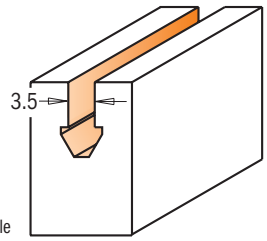
Make your house more energy efficient by insulating old doors and windows. The CMT Weatherseal bit is the perfect bit to re-groove door and window frames to accommodate wind blocking inserts. Made of solid tungsten carbide for strength and endurance, these bits reach up to 12mm in depth without the risk of breakage.

HWM Z2 RH

Special double-sided design lets you save money by offering two tips in one bit; with the same features as the one-sided weatherseal bit. Only available with a 3mm (1/8") cutting diameter.



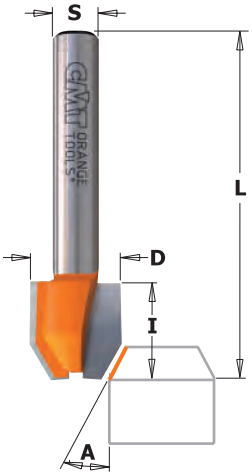

Drawing is 1:1 scale



7/813.001

| D mm | I mm | L mm | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm |
|---|---|---|---|---|---|
| 3 | 8 | 76 | 10 | **711.031.11** | |
| 3 | 11 | 60 | 10 | **712.030.11** | |
| 3.2 | 12.7 | 50.8 | 10 | | **812.032.11** |
| 3.5 | 12 | 60 | 10 | **191.635.11** | |
| 4 | 12 | 60 | 10 | **712.040.11** | |
| 3.5 | 8 | 76 | 10 | **713.001.11** | |
| 3.5 | 8 | 63.5 | 10 | | **813.001.11** |

# Combination Trimmer Bits

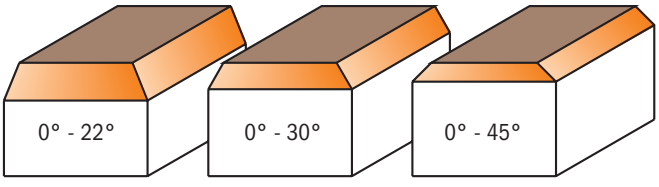



## 7/8/921

HW Z2 α RH

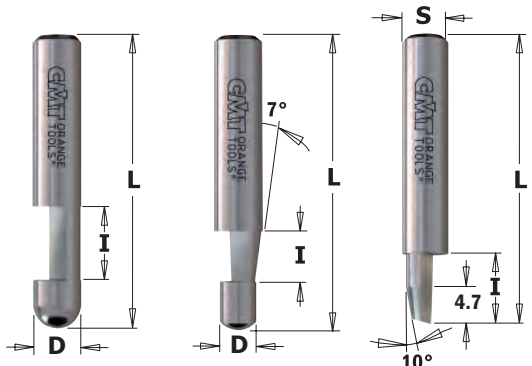
Work to your highest standards with the CMT combination trimmer bits. Now you can cut, trim and bevel all laminates without having to change the bit. Achieve great results when making straight or angled cuts on both soft and hardwood. Three popular sizes, each with carbide-tipped cutting edges for efficient bevel and straight trimming.

**NOTICE:** to be used with an edge, separate guide or fence.




Drawing is 1:1 scale

| A | D mm | I mm | L mm | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | | |
|---|---|---|---|---|---|---|---|---|---|
| 0° - 22° | 12 | 12.7 | 44.5 | 10 | **721.022.11** | **821.022.11** | | | |
| 0° - 30° | 12 | 12.7 | 44.5 | 10 | **721.030.11** | **821.030.11** | **921.030.11** | | |
| 0° - 45° | 12 | 12.7 | 44.5 | 10 | **721.045.11** | **821.045.11** | | | |




742.095
842.095

743.060
843.063

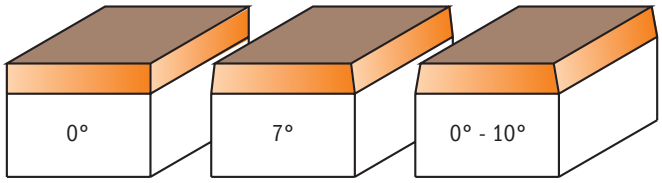
843.064

# 7/842 - 7/843

HWM Z1 RH

Work to your highest standards with CMT combination trimmer bits. Now you can cut, trim and bevel all laminates without having to change the bit. Achieve great results when making straight or angled cuts on both soft and hardwood. Three popular sizes, each with carbide-tipped edges, guarantee efficient bevels and straight trimming (7° or combined 0°-10°).

**NOTICE:** to be used with an edge, separate guide or fence.

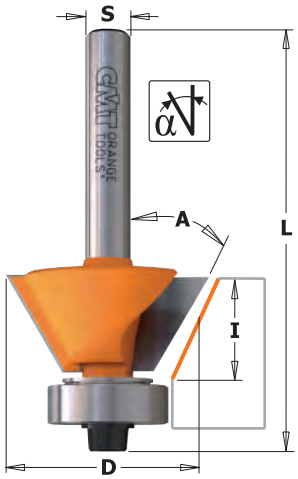



Drawing is 1:1 scale

| A | D mm | I mm | L mm | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | |
|---|---|---|---|---|---|---|---|
| 0° | 6 | 9.5 | 38 | 10 | 742.095.11 | | |
| 0° | 6.35 | 9.5 | 38 | 10 | | 842.095.11 | |
| 7° | 4.5 - 6 | 6 | 38 | 10 | 743.060.11 | | |
| 7° | 4.76 - 6.35 | 6.35 | 38 | 10 | | 843.063.11 | |
| 0° - 10° | 6.35 | 9.5 | 38 | 10 | | 843.064.11 | |
| BULK PACK 50 PCS. | | | | | | | |
| 0° | 6.35 | 9.5 | 38 | | | 842.095.11-X50 | |
| 7° | 4.76 - 6.35 | 6.35 | 38 | | | 843.063.11-X50 | |

BULK PACK 50 PCS.

Combination Trimmer Bits




809.022
809.025
7/909.260
7/910.260

# 7/907 - 7/8/909 - 7/910

HW Z2 Z3 RH

CMT's combination flush and bevel trim bits are perfect for executing a variety of superb precision finishing on laminates with ease without even changing the bit.
Simply lower the bit cutting depth for precise right angle cuts or raise to 25° to create rounded edges. Suitable for both soft and hardwood. They feature two flutes for executing smoother cuts and for rounding off table legs and other soft areas on furniture susceptible to damage.

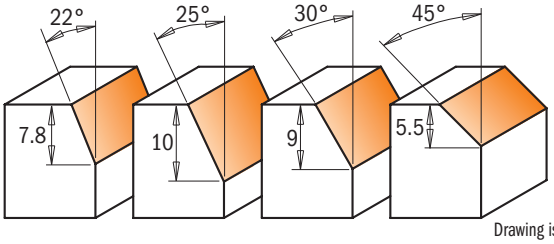
**SHOP TIPS:** after resharpening, replace bearing **791.002.11** (Ø9.5mm) with undersized bearing **791.062.00** (Ø9.3mm)

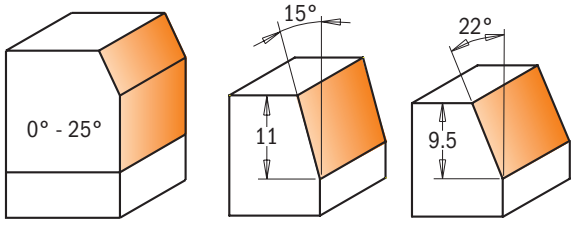
7/907.210

NON BLOCKING

7/809.016

809.023
Z3



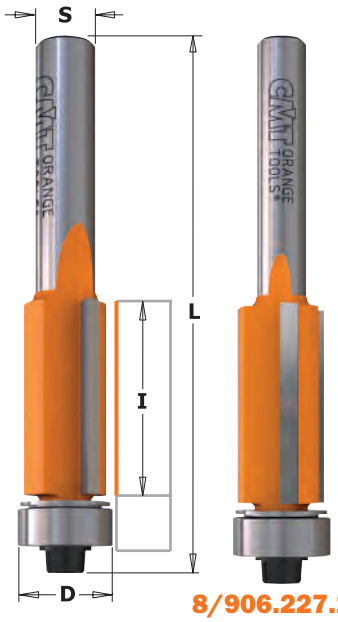




Drawing is 1:1 scale

| A | D mm | I mm | L mm | Z | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm |
|---|---|---|---|---|---|---|---|---|
| 0° - 25° | 19 - 24.5 | 16 (10+6) | 56.5 | 2 | 10 | 707.210.11 | | 907.210.11 |
| 15° | 18.6 | 11 | 57 | 2 | 10 | 709.016.11 | 809.016.11 | |
| 22° | 12.7 | 7.8 | 47.6 | 2 | 10 | | 809.022.11 | |
| 22° | 17.5 | 9.5 | 51 | 3 | 10 | | 809.023.11 | |
| 25° | 19.05 | 10 | 52.4 | 2 | 10 | | 809.025.11 | |
| 30° | 27 | 9 | 55 | 2 | 10 | 709.260.11 | | 909.260.11 |
| 45° | 27 | 5.5 | 51.5 | 2 | 10 | 710.260.11 | | 910.260.11 |

*Spare parts*

| | | | |
|---|---|---|---|
| | 791.007.00 | 990.004.00 | 991.062.00 |
| 990.422.00 | 791.044.00 | 990.058.00 | 991.057.00 |
| | 791.035.00 | 990.062.00 | 991.060.00 |
| 990.422.00 | 791.002.00 | 990.058.00 | 991.057.00 |
| 990.422.00 | 791.002.00 | 990.058.00 | 991.057.00 |
| 990.423.00 | 791.018.00 | 990.058.00 | 991.057.00 |
| 990.423.00 | 791.018.00 | 990.058.00 | 991.057.00 |




# 7/8/906

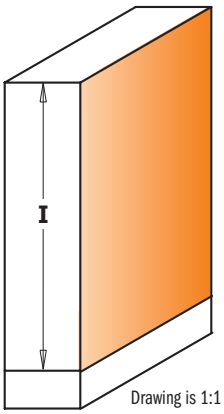
HWM HW Z2 Z3 RH

These truly indispensable bits were designed in a wide range of sizes for your woodworking needs as well as your most difficult projects. For precision work on laminates or quick template work with excellent finishing.

**SHOP TIPS:** these bits are excellent for making clean through-mortises. Use a straight bit Ø13mm (**711.130.11**) to produce a 5mm groove in the area you want to produce the through-mortise. With a drill bit Ø13mm (**517.130.31**) bore a hole through the wood at one end of the groove. Turn the workpiece over to finish the mortise. Use a flush trim bit Ø12mm with a cutting length slightly longer than the fillet, following the groove made on the opposite side of the workpiece with the ball bearing guide.

**SAFETY TIPS: dust and chips from laminate materials are hazardous to your health and safety. Always wear a dust mask and eye protection when routing.**

BULK PACK 10 PCS.




Drawing is 1:1 scale

**8/906.227.11**
• Z3

• HWM

| I mm | D mm | L mm | α | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|---|
| •25.4 | 6.35 | 63.5 | 0° | 10 | 706.064.11 | 806.064.11 | | | |
| 12.7 | 9.5 | 55.5 | 0° | 10 | 706.096.11 | 806.096.11 | 906.096.11 | | |
| 12.7 | 12.7 | 57.8 | -5° | 10 | 706.128.11 | 806.128.11 | 906.128.11 | | |
| 12.7 | 12.7 | 70.6 | -5° | 10 | | | | 906.628.11 | 806.628.11 |
| 16 | 19 | 57.1 | -5° | 10 | 706.190.11 | | 906.190.11 | | |
| 25.4 | 9.5 | 68.2 | 0° | 10 | 706.095.11 | 806.095.11 | 906.095.11 | | |
| 25.4 | 12.7 | 70.7 | -3° | 10 | 706.127.11 | 806.127.11 | 906.127.11 | | |
| •25.4 | 12.7 | 71 | 0° | 10 | | 806.227.11 | 906.227.11 | | |
| 25.4 | 12.7 | 86.6 | -3° | 10 | | | | 906.627.11 | 806.627.11 |
| 25.4 | 19 | 74.5 | -5° | 10 | 706.191.11 | 806.191.11 | 906.191.11 | | |
| 25.4 | 19 | 87 | -5° | 10 | | | | 906.691.11 | 806.691.11 |
| 38.1 | 12.7 | 94 | 0° | 10 | | | | 906.629.11 | 806.629.11 |
| 38.1 | 19 | 93.5 | -3° | 10 | | | | 906.692.11 | 806.692.11 |
| 40 | 12.7 | 84 | 0° | 10 | | | 906.129.11 | | |
| 50.8 | 12.7 | 104 | 0° | 10 | | | | 906.630.11 | 806.630.11 |
| 50.8 | 19 | 110 | -3° | 10 | | | | 906.690.11 | 806.690.11 |
| *70 | 19 | 119 | -3° | 10 | | | | 906.693.11 | |
| BULK PACK 10 PCS. | | | | | | | | | |
| 25.4 | 9.5 | 68.2 | 0° | | | 806.095.11-X10 | | | |
| 25.4 | 12.7 | 70.7 | -3° | | | 806.127.11-X10 | | | 806.627.11-X10 |

*Spare parts*

| | | | |
|---|---|---|---|
| | 791.035.00 | 541.009.00 | 990.113.00 |
| 990.422.00 | 791.002.00 | | 990.058.00 |
| 990.423.00 | 791.003.00 | | 990.058.00 |
| 990.423.00 | 791.003.00 | | 990.058.00 |
| | 791.007.00 | | 990.004.00 |
| 990.422.00 | 791.002.00 | | 990.058.00 |
| 990.423.00 | 791.003.00 | | 990.058.00 |
| 990.423.00 | 791.003.00 | | 990.058.00 |
| 990.423.00 | 791.003.00 | | 990.058.00 |
| 990.425.00 | 791.004.00 | 541.550.00 | 990.058.00 |
| 990.425.00 | 791.004.00 | 541.550.00 | 990.058.00 |
| 990.423.00 | 791.003.00 | | 990.058.00 |
| 990.425.00 | 791.004.00 | 541.550.00 | 990.058.00 |
| 990.423.00 | 791.003.00 | | 990.058.00 |
| 990.423.00 | 791.003.00 | | 990.058.00 |
| 990.425.00 | 791.004.00 | 541.550.00 | 990.058.00 |
| 990.425.00 | 791.004.00 | 541.550.00 | 990.058.00 |

*Spare parts:* **991.055.00** 0.9mm hex key for screw M2 (990.113.00)
**991.057.00** 3/32" hex key for screw (990.058.00)
**991.062.00** 2.5mm hex key for screw (990.004.00)

**SHOP TIPS:** after resharpening, replace bearing as follow:
791.002.00 (Ø9.5mm) with undersized bearing **791.062.00** (Ø9.3mm)
791.003.00 (Ø12.7mm) with undersized bearing **791.063.00** (Ø12.5mm)

*WARNING! Long cutting edge. Carefully make several shallow passes to prevent damaging the tool. The warranty does not cover improper or incorrect use of the tool.

# Flush Trim Bit Set

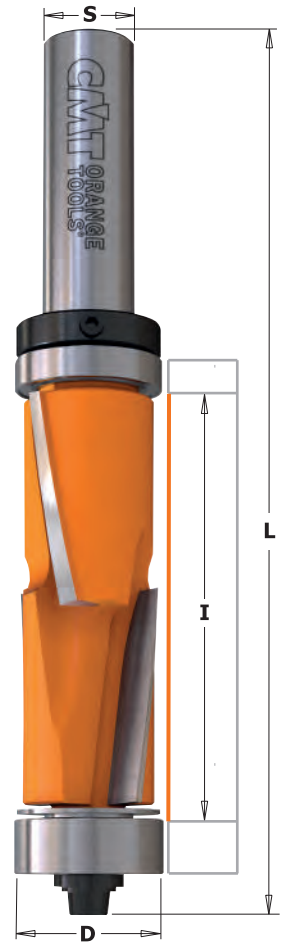
## 806

HW Z2 RH

Indispensable in any shop, the new 3 piece flush trim bit set gives you the option to trim laminates or do template work conveniently using just one instrument.

*Set contains:*
806.095.11 (Ø9.5x25.4mm)
806.096.11 (Ø9.5x12.7mm)
806.191.11 (Ø19x25.4mm)

| DESCRIPTION | | ORDER NO. S=Ø6.35mm |
|---|---|---|
| Flush Trim Bit Set | 5 | 806.001.11 |

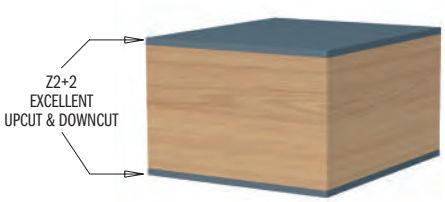


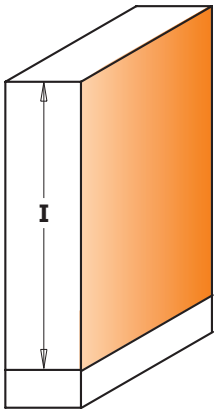

## 8/906B XTREME

HW | Z2+2 | RH

These new **XTREME** flush trim bits guarantee the best possible finish along with extra-long life thanks to one-of-a-kind spiral technology. 4 cutting edges in high quality carbide are crafted using special brazing techniques as well as unique positive and negative design thus eliminating splintering on the upper and lower sides of the material you're working with.
Ideal for projects involving precious wood, melamine and delicate engineered veneers.

**NOTA:** use of variable speed routing machines is required.
19mm bits Max RPM 18.000
35mm bits Max RPM 16.000






Drawing is 1:1 scale

| I mm | D mm | L mm | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm |
|---|---|---|---|---|---|---|
| 25.4 | 12.7 | 80 | 10 | **706.127.41B** | | |
| 25.4 | 12.7 | 80 | 10 | | **806.127.41B** | |
| 25.4 | 19 | 86 | 10 | | **806.191.41B** | |
| 25.4 | 19 | 86 | 10 | | | **906.191.41B** |

*Spare parts*

| | | | | | |
|---|---|---|---|---|---|
| 990.423.00 | 791.003.00 | | 990.058.00 | 791.010.00 | 541.003.00 |
| 990.423.00 | 791.003.00 | | 990.058.00 | 791.010.00 | 541.001.00 |
| 990.425.00 | 791.004.00 | 541.550.00 | 990.058.00 | 791.004.00 | 541.001.00 |
| 990.425.00 | 791.004.00 | 541.550.00 | 990.058.00 | 791.034.00 | 541.004.00 |

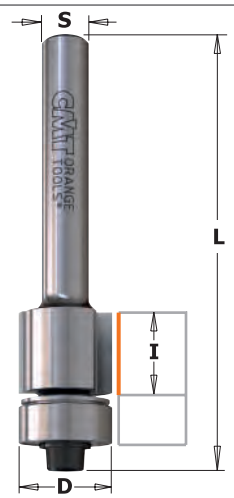
| I mm | D mm | L mm | | | ORDER NO S=Ø12mm | ORDER NO S=Ø12.7mm |
|---|---|---|---|---|---|---|
| 50.8 | 19.05 | 113 | 10 | | **906.690.41B** | **806.690.41B** |
| 50.8 | 34.9 | 123 | 10 | | **906.880.41B** | **806.880.41B** |

*Spare parts*

| | | | | | |
|---|---|---|---|---|---|
| 990.425.00 | 791.004.00 | 541.550.00 | 990.058.00 | 791.011.00 | 541.002.00 |
| 990.426.00 | 791.029.00 | 541.552.00 | 990.058.00 | 791.029.00 | 541.002.00 |

***Spare parts:*** **991.056.00** 1.5mm hex key for screw (M3) **991.057.00** 3/32" hex key for screw (990.058.00)

# DP - Flush Trim Bits for Laminates - LONG LIFE

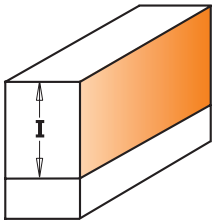



## 7/8/906 XTREME

PCD DP | Z2 | RH | 40X LONGER LIFE THAN CARBIDE

These new super duty DP (polycrystalline diamond) bits represent the ultimate in the extensive line of CMT flush trim bits. Investing in CMT DP flush trim bits means saving time and money, as they last 40 times longer than conventional carbide-tipped flush trim bits.

**SHOP TIPS:** **after resharpening, replace bearing 791.003.11 (Ø12.7mm) with undersized bearing 791.063.00 (Ø12.5mm)**

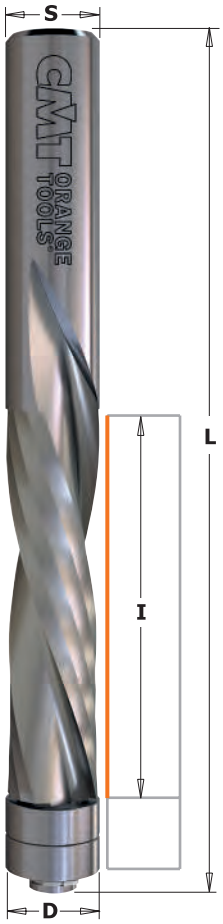



Drawing is 1:1 scale

| I mm | D mm | L mm | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm |
|---|---|---|---|---|---|---|
| 11 | 12.7 | 58.1 | 10 | **706.128.61** | **806.128.61** | **906.128.61** |
| 26 | 12.7 | 71 | 10 | | | **906.127.61** |

*Spare parts*

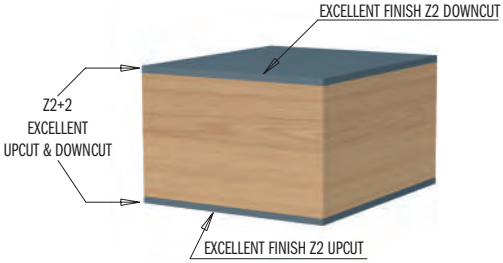
| | | | |
|---|---|---|---|
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |

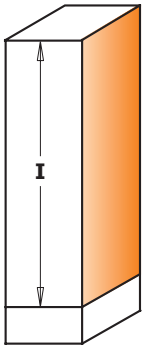



# 190B - 191B - 192B

HWM | Z2 | Z2+2 | RH

CMT solid carbide spiral flush trim bits are composed of a special super-micrograin formulation increasing hardness with a higher transverse rupture point. Combined with a spiral cutting angle, CMT solid carbide spiral flush trim bits equipped with a double bearing, allow cabinet makers to shear wood and wood products cleanly, providing more efficient chip ejection than standard flush trim bits. In production settings, this means these bits will run cooler, stay sharper, last longer and increase shop productivity.

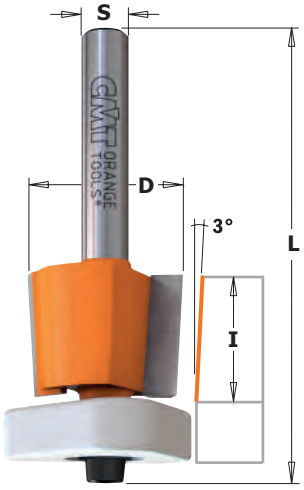


Drawing is 1:1 scale

| I mm | D mm | L mm | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm | Spare parts | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Z2+2 UPCUT & DOWNCUT** | | | | | | | | | | |
| 47.6 | 12.7 | 114 | 10 | | | **190.127.11B** | **190.508.11B** | 791.010.00 | | 541.301.00 |
| **Z2 UPCUT** | | | | | | | | | | |
| 25.4 | 6.35 | 76.2 | 10 | **191.064.11B** | **191.008.11B** | | | 791.035.00 | 541.009.00 | |
| 31.7 | 12.7 | 89 | 10 | | | | **191.505.11B** | 791.010.00 | | 541.301.00 |
| 50.8 | 12.7 | 114 | 10 | | | **191.127.11B** | **191.507.11B** | 791.010.00 | | 541.301.00 |
| **Z2 DOWNCUT** | | | | | | | | | | |
| 25.4 | 6.35 | 76.2 | 10 | | **192.008.11B** | | | 791.035.00 | 541.009.00 | |
| 31.7 | 12.7 | 89 | 10 | | | | **192.505.11B** | 791.010.00 | | 541.301.00 |
| 50.8 | 12.7 | 114 | 10 | | | **192.127.11B** | **192.507.11B** | 791.010.00 | | 541.301.00 |

# 3-in-1 Flush Trim Bits for MDF/Laminate



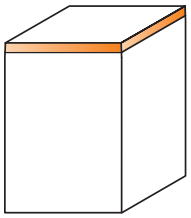

# 7/8/907

HW | α | Z2 | RH

3 in 1 new flush trim bits with DELRIN® Triangular bearings are your best partner for laminate trimming. In fact, it solves three of the most common problems that occur when flush trimming:

1) The anti-stick properties of the DELRIN® bearing greatly reduces the likelihood of freezing of the bearing from glue.
2) The extended guide surface of the new DELRIN® bearing will perfectly match the work surface without scratching like a steel bearing would. The DELRIN® bearing also guarantees maximum stability.
3) The shear angle cutting edge reduces the need for filing. 3-in-1 bits are ideal on plastic laminates as well as aluminium laminates!

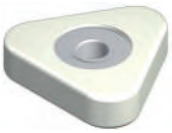
3-in-1 bits are ideal on plastic laminates as well as aluminium laminates!


Drawing is 1:1 scale

NON BLOCKING

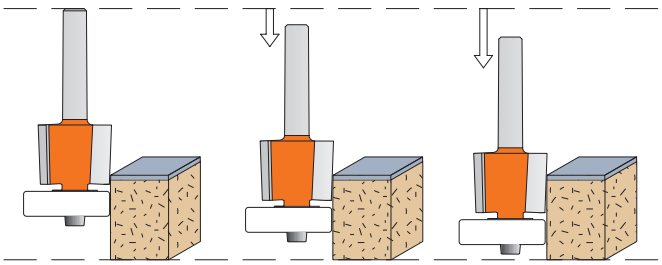
**Patent No. D628,218**

- Extended guide surface
- Non-freezing
- Non-scratch surface



## PERFECT TRIMMING WITH CONICAL EDGES!

Thanks to the innovative conical edges of this bit, you will always get perfect cuts even after re-sharpening. In fact, the most common problem you have with standard flush trim bits is the undersized diameter after re-sharpening which leaves a mark on the material; with the new CMT construction you could re-sharpen up to six times without any problem. Just remember to adjust your bit up or down as per the illustration.



| I mm | D mm | L mm | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12.7mm | Spare parts | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 12.7 | 12.7 | 54.2 | 10 | **707.128.11** | **807.128.11** | **907.128.11** | | 990.422.00 | 791.042.00 | 990.058.00 | 991.057.00 |
| 15.88 | 19 | 59.3 | 10 | **707.190.11** | **807.190.11** | **907.190.11** | | 990.423.00 | 791.043.00 | 990.058.00 | 991.057.00 |
| 15.88 | 19 | 65.7 | 10 | | | | **807.690.11** | 990.423.00 | 791.043.00 | 990.058.00 | 991.057.00 |



® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

# Flush Trim Bits with Insert Knives

## 657.9

INSERT CARBIDE · Z2 · RH · 2X CUTTING

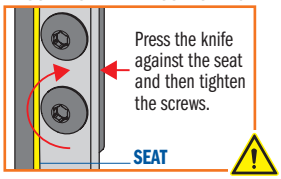
Specially designed to perform difficult trimming operations, these bits are both indispensable and economical. Flush trim bits with two replaceable knives fixed by special TORX® screws. The 2-sided blades can create extra new edges.
Guided flush trim bits type **657.1** are equipped with ball bearing guides.

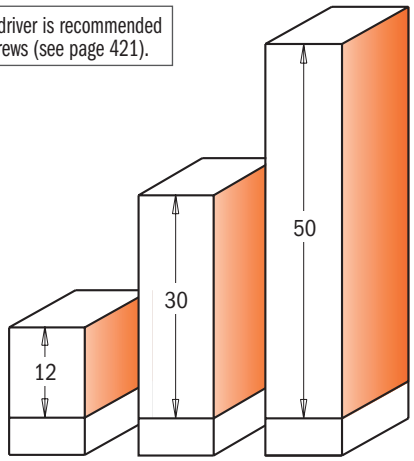
## 657.1

**SAFETY TIPS**

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

**CORRECT KNIFE POSITIONING**




Drawing is 1:1 scale

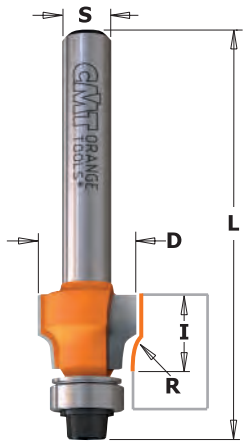
| I mm | D mm | L mm | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|
| 12 | 19 | 57 | 10 | **657.194.11** | **657.192.11** | **657.190.11** | | |
| 30 | 16 | 75 | 10 | | | **657.161.11** | | |
| 30 | 19 | 76 | 10 | **657.195.11** | | | | |
| 30 | 19 | 77 | 10 | | | **657.191.11** | | |
| 30 | 19 | 87 | 10 | | | | | **657.692.11** |
| 50 | 19 | 112 | 10 | | | | **657.991.11** | **657.992.11** |

*Spare parts*

| | | | |
|---|---|---|---|
| 790.120.00 | 990.075.00 | 991.061.00 | 791.007.00 |
| 790.295.09 | 990.115.00 | 991.061.00 | 791.006.00 |
| 790.300.00 | 990.075.00 | 991.061.00 | 791.007.00 |
| 790.300.00 | 990.075.00 | 991.061.00 | 791.007.00 |
| 790.300.00 | 990.075.00 | 991.061.00 | 791.007.00 |
| 790.500.00 | 990.075.00 | 991.061.00 | 791.007.00 |

***Spare parts:*** **990.400.00** Ø3.2/Ø7mm shield for M3 screw
**990.410.00** Ø4.2/Ø9mm shield for M4 screws
**990.051.00** M3x6mm TCEI screws
**990.052.00** M4x6mm TCEI screws
**991.067.00** 3mm hex key
**541.514.00** Ø6.4mm shield

# FILE-FREE Flush Trim Bits for Laminate

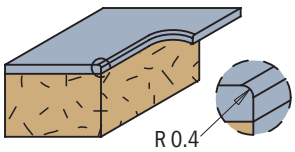



## 8/907

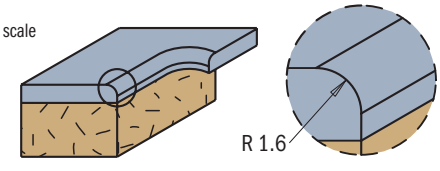
HW · Z2 · RH

This bit is perfect for ensuring smooth flawless results on your laminate surfaces after flush trimming.
Sharp edges are easily trimmed away, leaving your surfaces nice and smooth to the touch. No further filing is needed!

**SHOP TIPS:** after resharpening, replace bearing **791.002.00** (Ø9.5mm)
with undersized bearing **791.062.00** (Ø9.3mm)




Drawing is 1:1 scale




| D mm | I mm | R mm | L mm | | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm |
|---|---|---|---|---|---|---|
| 12.7 | 9.5 | 0.4 | 52 | 10 | **807.004.11** | **907.004.11** |
| 12.7 | 9.5 | 1.6 | 52 | 10 | **807.015.11** | **907.015.11** |

*Spare parts*

| | | | |
|---|---|---|---|
| 990.422.00 | 791.002.00 | 990.058.00 | 991.057.00 |
| 990.422.00 | 791.002.00 | 990.058.00 | 991.057.00 |

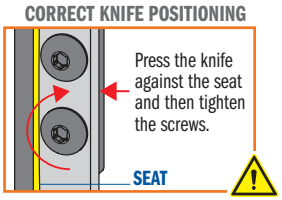
® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

CMT ORANGE TOOLS®

INSERT CARBIDE | Z2 | RH | 2X CUTTING

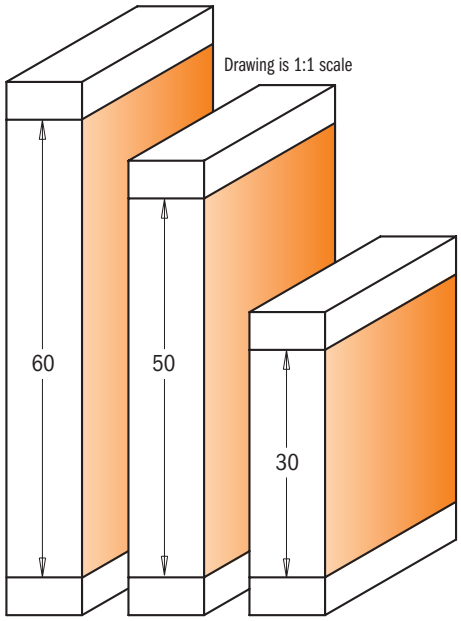
## 657B

These bits complete the wide range of CMT Flush Trim bits equipped with a bearing. A larger 19mm diameter and double bearing distinguishes this bit from the others given its increased stability throughout flush and trimming operations. This means completing difficult projects safely, especially when you require a significant amount of swarf removal and an optimal precision finish.




**SAFETY TIPS**

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).




| I mm | D mm | L mm | | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|
| 30 | 19 | 90 | 10 | **657.191.11B** | | |
| 30 | 19 | 90 | 10 | | | **657.692.11B** |
| 50 | 19 | 110 | 10 | | **657.993.11B** | **657.994.11B** |
| 60 | 19 | 120 | 10 | | **657.995.11B** | **657.996.11B** |

*Spare parts*

| | | | | | |
|---|---|---|---|---|---|
| 790.300.00 | 990.075.00 | 791.007.00 | 990.052.00 | 791.034.00 | 541.004.00 |
| 790.300.00 | 990.075.00 | 791.007.00 | 990.052.00 | 791.011.00 | 541.002.00 |
| 790.500.00 | 990.075.00 | 791.007.00 | 990.052.00 | 791.011.00 | 541.002.00 |
| 790.600.00 | 990.075.00 | 791.007.00 | 990.052.00 | 791.011.00 | 541.002.00 |

*Spare parts:* **990.410.00** Ø4.2/Ø9mm shield for M4 screws
**991.067.00** 3mm hex key
**991.061.00** T15 TORX® key
**991.056.00** 1.5mm hex key

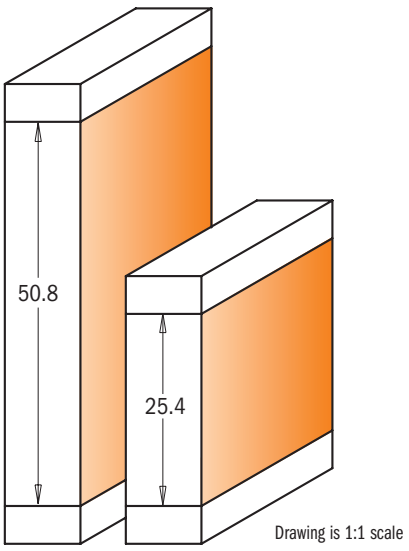
# Pattern/Flush Trim Router Bits

HW | α | Z2 | RH

## 806/906B

The innovative two-flute router bits are equipped with a double bearing and feature a down shear design allowing cleaner, smoother cuts on a variety of materials.

Now its no longer necessary to flip or move your tool during routing operations. This tool is particularly effective when routing curved elements along or against the grain.




| I mm | D mm | L mm | α | | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|
| 25.4 | 19 | 86.5 | -5° | 10 | **906.691.11B** | |
| 25.4 | 19 | 86.5 | -5° | 10 | | **806.691.11B** |
| 50.8 | 19 | 109.5 | -3° | 10 | **906.690.11B** | |
| 50.8 | 19 | 109.5 | -3° | 10 | | **806.690.11B** |

*Spare parts*

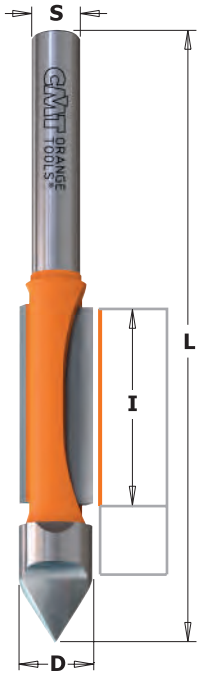
| | | | | | |
|---|---|---|---|---|---|
| 990.425.00 | 791.004.00 | 541.550.00 | 990.058.00 | 791.011.00 | 541.005.00 |
| 990.425.00 | 791.004.00 | 541.550.00 | 990.058.00 | 791.011.00 | 541.002.00 |
| 990.425.00 | 791.004.00 | 541.550.00 | 990.058.00 | 791.011.00 | 541.005.00 |
| 990.425.00 | 791.004.00 | 541.550.00 | 990.058.00 | 791.011.00 | 541.002.00 |

*Spare parts:* **991.057.00** 3/32" hex key



® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

CMT ORANGE TOOLS®

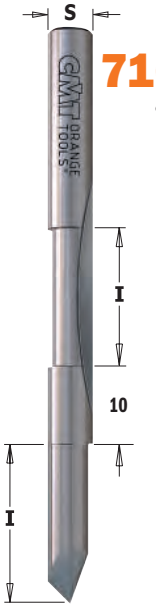



# 7/8/916

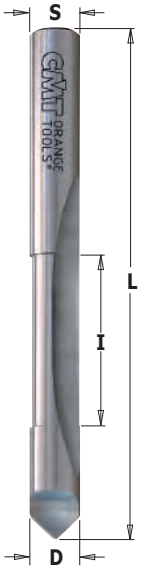
HWM HW Z1 Z1+1 Z2 RH

How much time do you end up spending making openings in paneling, drywall, siding, doors or windows? With the CMT panel pilot bit, the job just got quicker. The point of this bit as well as the **716.061**, plunge smoothly and easily and the carbide edges cut clean and fast. All of this adds up to accurate cuts in less time and with less effort - great for trimming veneer as well as a variety of laminates.

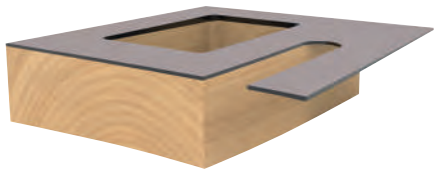
**SAFETY TIPS: always use extra caution when working near electrical outlets and boxes - always shut off the power. Make sure the bit does not go so deep as to touch or cut the wires.**

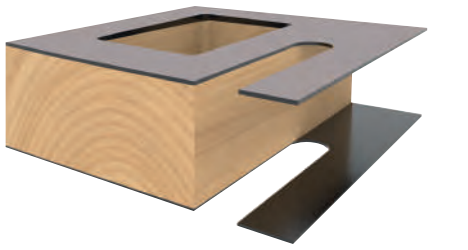



**716.061**
• HWM




**716.060**
**816.064**
• HWM

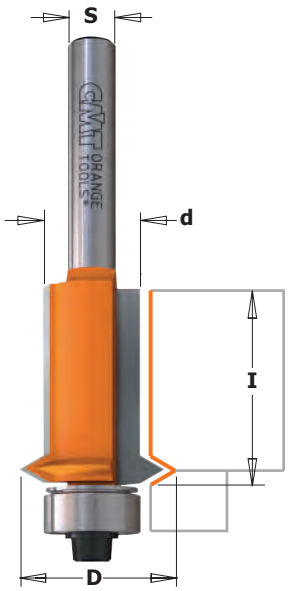




BULK PACK 10 PCS.

| D mm | I mm | L mm | Z | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|---|
| •6 | 19 | 60 | 1 | 10 | **716.060.11** | | | | |
| •6 | 18+18 | 75 | 1+1 | 10 | **716.061.11** | | | | |
| •6.35 | 19 | 64 | 1 | 10 | | **816.064.11** | | | |
| 8 | 19 | 64 | 1 | 10 | | | **916.080.11** | | |
| 9.53 | 25.4 | 78 | 2 | 10 | | **816.095.11** | | | |
| 12 | 31.7 | 102 | 2 | 10 | | | | **916.627.11** | |
| 12.7 | 31.7 | 102 | 2 | 10 | | | | | **816.627.11** |
| BULK PACK 10 PCS. | | | | | | | | | |
| •6.35 | 19 | 64 | 1 | | | 816.064.11-X10 | | | |
| 12.7 | 31.7 | 102 | 2 | | | | | | 816.627.11-X10 |

• HWM



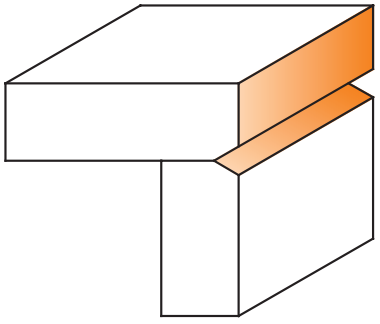

## Panel Pilot Bits with Guide

# 7/8/953

HW Z2 RH

An absolutely indispensable bit for making cabinets. CMT Flush and V-Groove bits allow you to make cabinet front frames in 25mm stock that fit perfectly with the sides. The added V-cutter feature makes a decorative groove along the hinge joint to hide the seam.

**SHOP TIPS:** For best results, leave less than 3mm overhang on cabinet front frames for easier routing.



Drawing is 1:1 scale

| d mm | D mm | I mm | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|
| 12.7 | 19 | 25.4 | 10 | **753.001.11** | **853.001.11** | **953.001.11** | **953.501.11** | **853.501.11** |

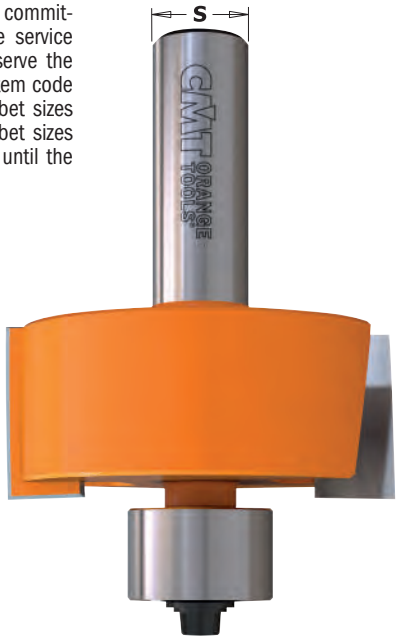
*Spare parts*

| | | | |
|---|---|---|---|
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |

# 8/935.503

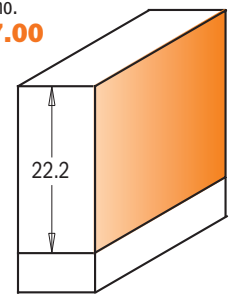
HW | α | Z2 | RH

"The Grand Rabbet" by CMT is an investment that shows your commitment to quality. This CMT product will deliver years of reliable service under normal use. For safe and trouble-free results please observe the following instructions and safety precautions. The complete kit (item code **835-935.503.11**), will enable you to produce 17 different rabbet sizes including rabbets for under-sized plywood applications. For rabbet sizes over 12.7mm (1/2"), make the cuts in several shallow passes until the desired depth is achieved.
Available in 12mm and 12.7mm shanks.

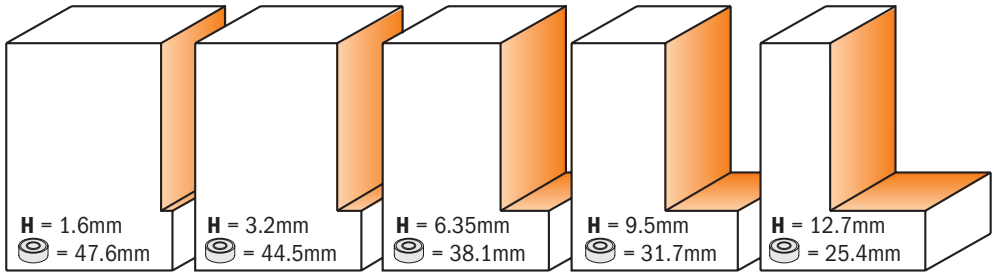



**8/935.990**

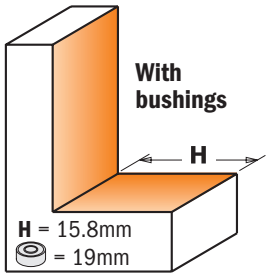
Collar order no.
**799.517.00**



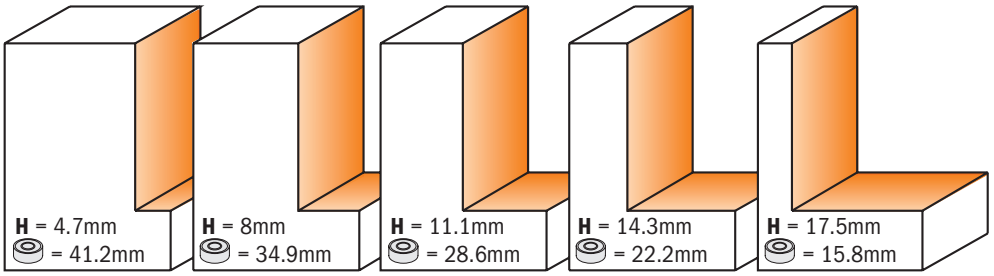

Order no. **791.705.00**



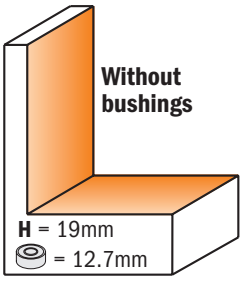

**With bushings**



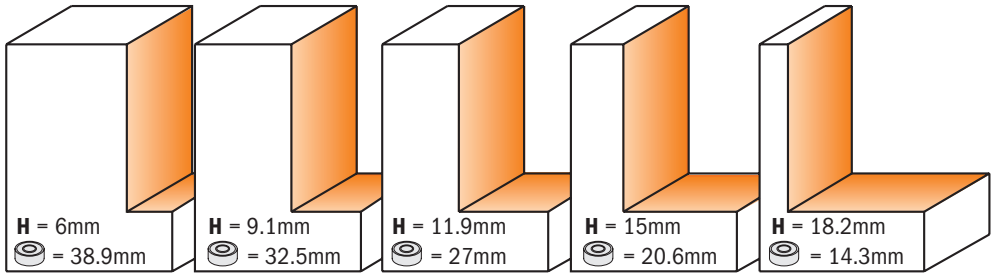

Order no. **791.706.00**




**Without bushings**




Order no. **791.707.00**

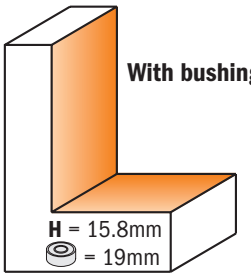


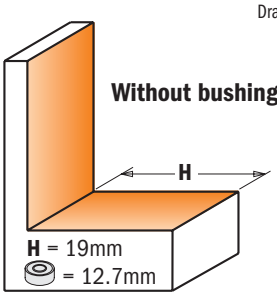

Drawing is 1:1 scale

| DESCRIPTION | | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|
| The CMT Grand Rabbet Set (Ø50.8x22.2mm) | 1 | **935.503.11** | **835.503.11** |
| ***Set contains:*** The Grand Rabbet (bit only) with bushing Ø19mm | | **935.990.11** | **835.990.11** |
| 5 pcs. Bushing kits for bearing (H=1.6 - 3.2 - 6.35 - 9.5 - 12.7mm rabbets) | | | **791.705.00** |
| 5 pcs. Bushing kits for bearing (H=4.7 - 8 - 11.1 - 14.3 - 17.5mm rabbets) | | | **791.706.00** |
| 5 pcs. Bushing kits for bearing (H=6 - 9.1 - 11.9 - 15 - 18.2mm rabbets) | | | **791.707.00** |
| Bushing Ø50.8mm | | | **799.517.00** |
| Kit with screw, shields and keys | | | **990.452.00** |

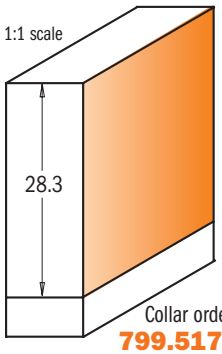
## 660.9

"The Grand Rabbet" by CMT is an investment that shows your commitment to quality. This CMT product will enable you to produce 17 different rabbet sizes including rabbets for under-sized plywood applications. For rabbet sizes over 12.7mm (1/2"), make the cuts in several shallow passes until the desired depth is achieved. Available in 12mm and 12.7mm shanks.

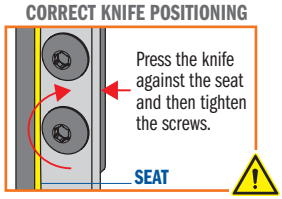



Drawing is 1:1 scale




Collar order no.
**799.517.00**



**SAFETY TIPS**

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

| H mm | D mm | I mm | L mm | | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|
| 16 | 50.8 | 28.3 | 86 | 10 | **660.990.11** | **660.991.11** |

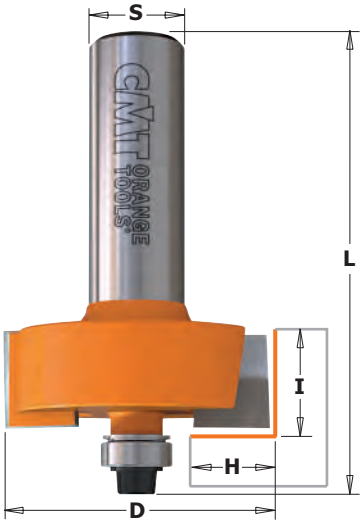
*Spare parts*

| | | | |
|---|---|---|---|
| 790.283.12 | 990.075.00 | 991.061.00 | 791.010.00 |

*Spare parts:* **541.514.00** Ø6.4mm stop collar
**799.503.00** Ø19.05mm bushings
**990.410.00** Ø4.2/Ø9mm shield for M4 screw
**990.052.00** M4x6mm TCEI screw
**991.067.00** 3mm hex key
**990.469.00** Kit screw, shield and key

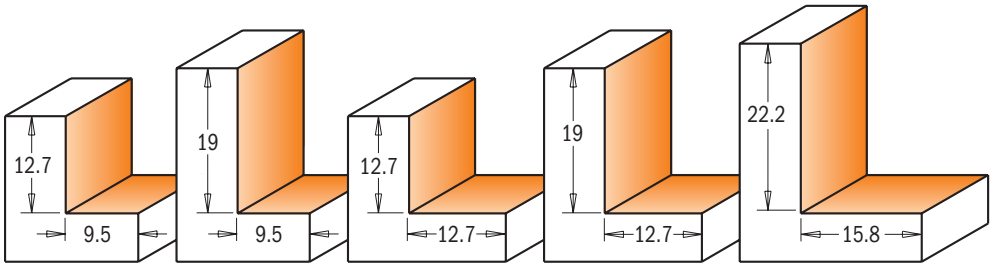
*Optional:* **799.517.00** Bushing for flush trim Ø50.8mm
**791.705.00** 5 pcs. bushing set (H=1.6-3.2-6.35-9.5-12.7mm rabbets)
**791.706.00** 5 pcs. bushing set (H=4.7-8-11.1-14.3-17.5mm rabbets)
**791.707.00** 5 pcs. bushing set (H=6-9.1-11.9-15-18.2mm rabbets)

# Rabbeting Bits




## 7/8/935

CMT carbide-faced rabbeting bits are fast and accurate - you can quickly produce inset doors and drawer fronts, make strong rabbet joints, mill perfect tongue and groove joints or any number of other jobs usually time consuming and difficult. Other possibilities for these tungsten carbide bits are illustrated below and on the following pages.




Drawing is 1:1 scale

| H mm | D mm | I mm | L mm | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|---|
| 9.5 | 31.7 | 12.7 | 58.4 | 10 | **735.317.11** | **835.317.11** | **935.317.11** | | |
| 9.5 | 31.7 | 12.7 | 61.2 | 10 | | | | **935.817.11** | **835.817.11** |
| 9.5 | 31.7 | 19 | 64.8 | 10 | **735.318.11** | | **935.318.11** | | |
| 12.7 | 34.9 | 12.7 | 59.4 | 10 | **735.350.11** | **835.350.11** | **935.350.11** | **935.850.11** | **835.850.11** |
| 12.7 | 34.9 | 19 | 65.8 | 10 | | | | **935.851.11** | **835.851.11** |
| 15.8 | 50.8 | 22.2 | 77.8 | 10 | | | | **935.990.11** | **835.990.11** |

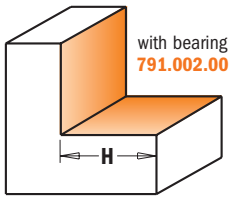
*Spare parts*

| | | |
|---|---|---|
| 990.423.00 | 791.003.00 | 990.058.00 |
| 990.423.00 | 791.003.00 | 990.058.00 |
| 990.423.00 | 791.003.00 | 990.058.00 |
| 990.422.00 | 791.002.00 | 990.058.00 |
| 990.422.00 | 791.002.00 | 990.058.00 |
| 990.408.00 | 791.010.00 | 990.058.00 |

*Spare parts:* **541.514.00** 2mm spacer (8/935.990.11)
**799.503.00** 19.05mm bushings
**991.057.00** 3/32" hex key

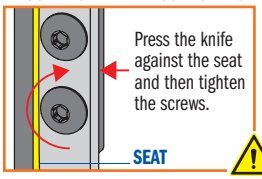
# Rabbeting Bits with Insert Knives

**Standard**




Drawing is 1:1 scale

**CORRECT KNIFE POSITIONING**




## 660

INSERT CARBIDE | Z2 | Z4 | RH | 4X CUTTING

Rabbeting bits for creating cabinet doors, backsides and drawer fronts. Every bit is equipped with a standard bearing (791.002.00), but other bearings are also available in order to craft a variety of rabbeting widths. For use on chipboard, wood or MDF.

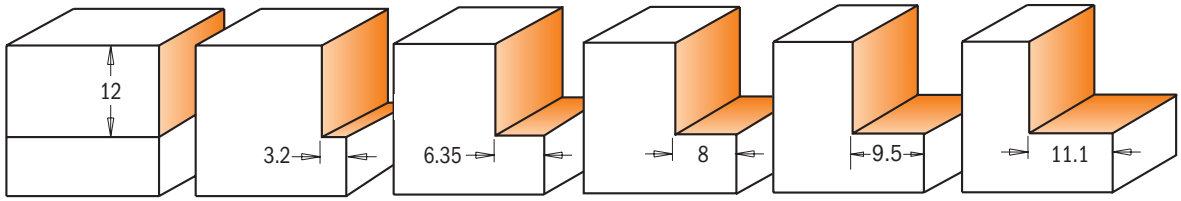
**SAFETY TIPS**

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

**791.703.00** *Optional*

*With this kit* **791.703.00** *you can carry out all cutting depths below.*

Drawing is 1:1 scale




with bearing 791.016.00 | with bearing 791.014.00 | with bearing 791.017.00 | with bearing 791.019.00 | with bearing 791.018.00 | with bearing 791.003.00

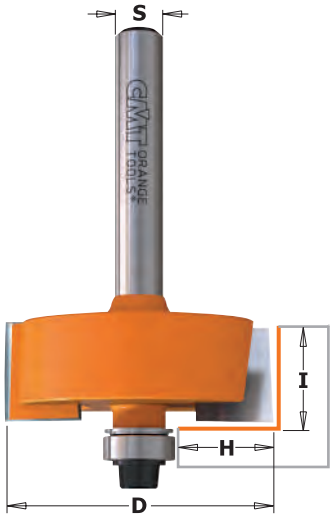
| H mm | D mm | Z | I mm | L mm | | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|---|
| 12.7 | 34.9 | 2 | 12 | 55 | 10 | **660.351.11** | **660.350.11** | | |
| 12.7 | 34.9 | 2 | 12 | 65 | 10 | | | | **660.851.11** |
| 22.2 | 57 | 4 | 12 | 66 | 5 | | | **660.570.11** | |

*Spare parts*

| | | |
|---|---|---|
| 790.120.00 | 990.422.00 | 791.002.00 |
| 790.120.00 | 990.422.00 | 791.002.00 |
| 790.120.03 | 990.423.00 | 791.003.00 |

***Spare parts:*** **990.075.00** M4x6mm TORX® screw | **991.061.00** T15 TORX® key | **990.058.00** 1/8"x3/8"x1/2" TCEI screw | **991.057.00** 3/32" hex key

# Rabbeting Sets

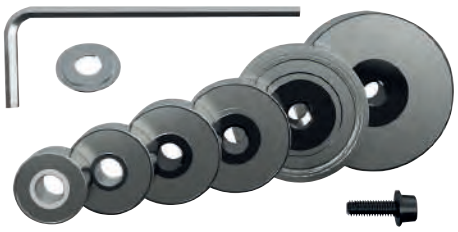



## 7/8/935.001_501_502

HW | α | Z2 | RH

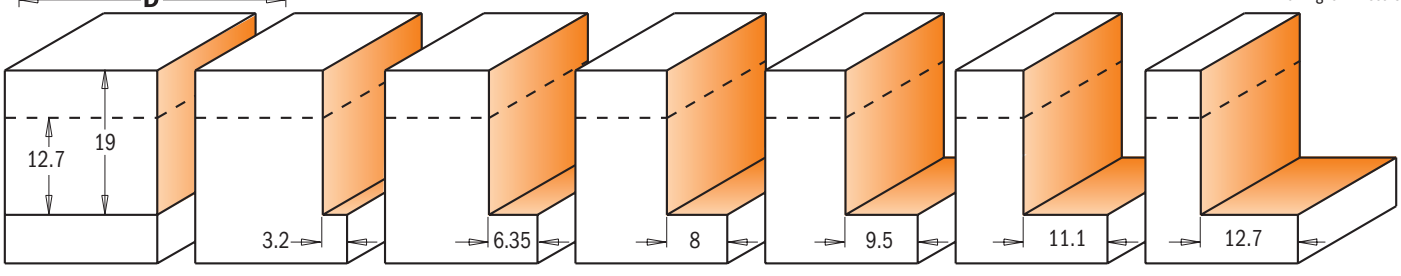
CMT rabbeting sets include one rabbeting bit, 6 interchangeable ball bearing guides, fastening screws, shields and an hex key. In order to change cutting depth, substitute the bearing.

**791.703.00** *Standard*



**BE SURE** to keep the black bearing washer right side up to correspond with the bearing rotation when re-assembling the bearing. Improper re-assembly can cause the screw to come loose.

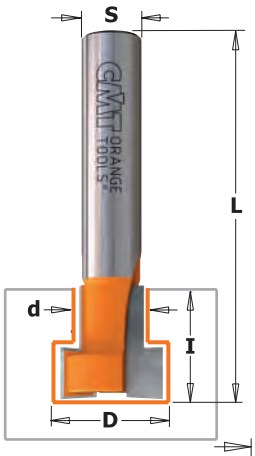
Drawing is 1:1 scale




| H mm | D mm | I mm | | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|---|
| 0-12.7 | 34.9 | 12.7 | | 5 | **735.001.11** | **835.001.11** | **935.001.11** | **935.501.11** | **835.501.11** |
| 0-12.7 | 34.9 | 19 | | 5 | | | | **935.502.11** | **835.502.11** |

***Spare parts:*** **791.002.00** Ø4.76/Ø9.5mm bearing | **990.058.00** 1/8"x3/8"x1/2" TCEI screw | **990.422.00** Ø4.76/Ø9.5mm shield | **991.057.00** 3/32" hex key

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)




# 7/8/950.0_5

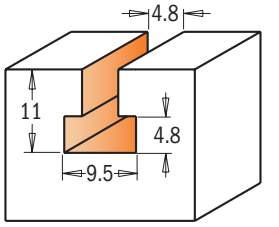
HWM HW Z1 Z2 RH

With the CMT keyhole bit you can make holes that keep your frames, plaques or any wall hanging perfectly straight and attached to the wall. The perfect way to securely mount wall hangings on screws and nails. Three new bits available to create slots for M5, M6, M8, M10, M12 hexagonal head bolt for removable joints.

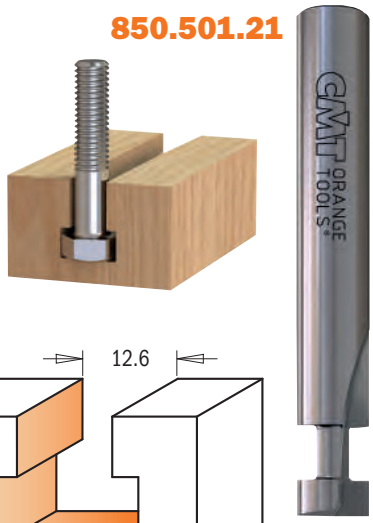
**SAFETY TIPS: Be sure the workpiece is securely fastened to the router table or work bench.**

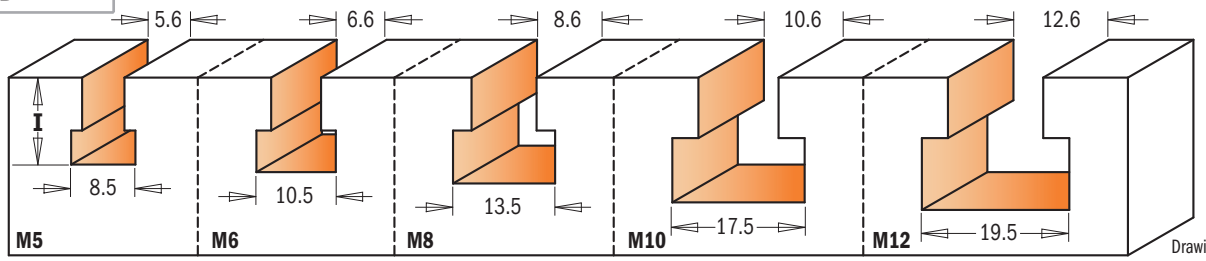
**SHOP TIPS:** Recommended for use with a plunge router.

**850.501.21**




Drawing is 1:1 scale



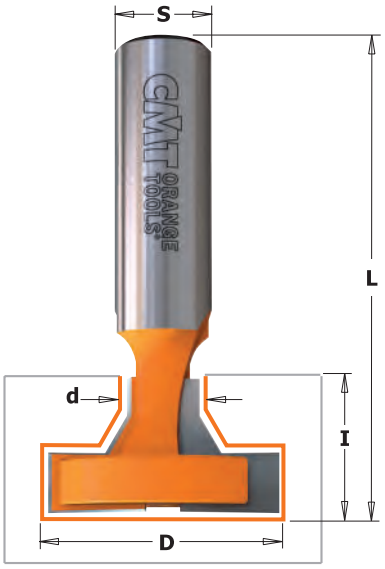



Drawing is 1:1 scale

| D mm | d mm | I mm | L mm | Z | | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | ORDER NO. S=Ø9.5mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9.5 | 4.8 | 11 | 54 | 1 | | 10 | **750.001.11** | **850.001.11** | **950.001.11** | | **950.501.11** | **850.501.11** |
| •9.5 | 4.76 | 11 | 65 | 2 | | 10 | | | | **850.501.21** | | |
| 8.5 | 5.6 | 11.5 | 48 | 1 | M5 | 10 | | | **950.002.11** | | | |
| 10.5 | 6.6 | 12.5 | 48 | 1 | M6 | 10 | | | **950.003.11** | | | |
| 13.5 | 8.6 | 14 | 48 | 2 | M8 | 10 | | | **950.004.11** | | | |
| 17.5 | 10.6 | 16.5 | 48 | 2 | M10 | 10 | | | **950.005.11** | | | |
| 19.5 | 12.6 | 17.5 | 48 | 2 | M12 | 10 | | | **950.006.11** | | | |

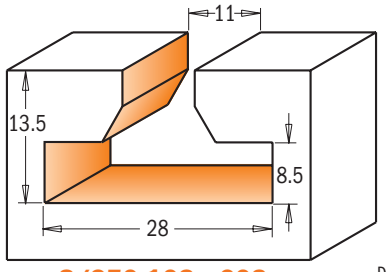
• **HWM**

## T-Slot Bits



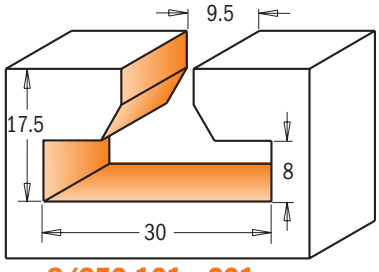

# 8/950.1_6

HW Z2 Z1+1 RH

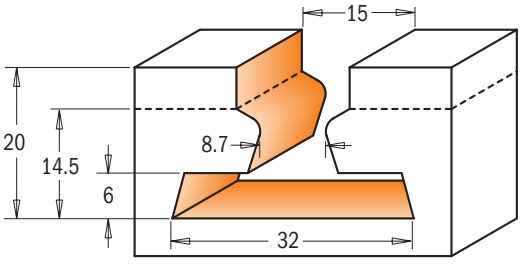



**8/950.103 - 603**

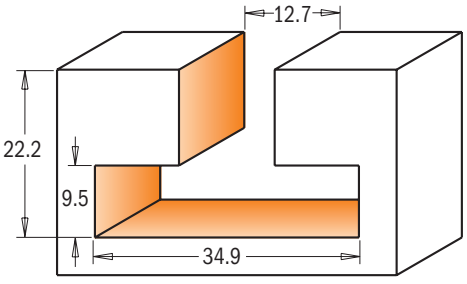
Drawing is 1:1 scale




**8/950.101 - 601**

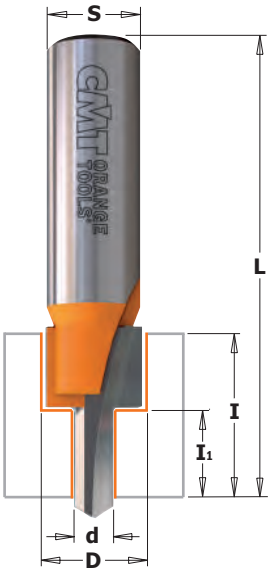



**950.604**




**8/950.602**

| D mm | d mm | I mm | L mm | Z | | | | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|---|---|
| 28 | 11 | 13.5 | 47.6 | 2 | 10 | | | **950.103.11** | | |
| 28 | 11 | 13.5 | 56.3 | 2 | 10 | | | | **950.603.11** | **850.603.11** |
| 30 | 9.5 | 17.5 | 50.8 | 2 | 10 | | | **950.101.11** | | |
| 30 | 9.5 | 17.5 | 60.3 | 2 | 10 | | | | **950.601.11** | **850.601.11** |
| 32 | 8.7-15 | 20 | 66 | 1+1 | 10 | | | | **950.604.11** | |
| 34.9 | 12.7 | 22.2 | 63.5 | 2 | 10 | | | | **950.602.11** | **850.602.11** |



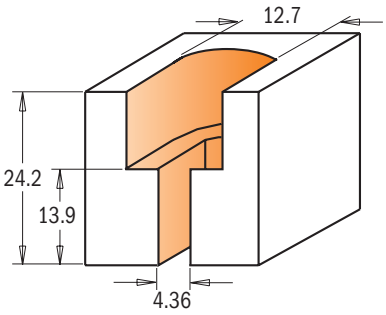

913.101.11
813.601.11

# 8/913

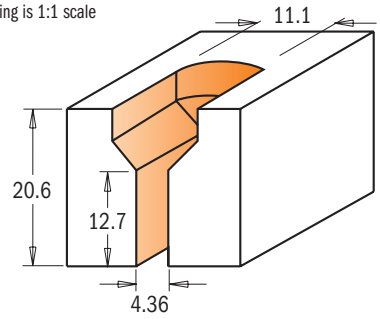
HW Z2 RH

Any large panel or table top should be secured in a way that allows it to expand or contract without splitting.
These screw-slot bits let you create screw slots so that panels can be held in place but are able to slide back and forth without splitting the wood or breaking the screw securing them.

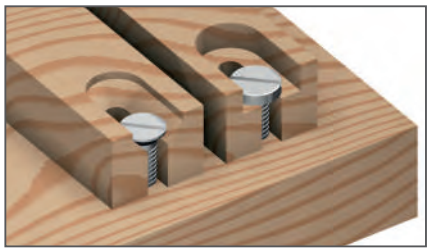
Bits available in 8 and 12.7mm shank; art. 913.201.11 and art. 813.701.11 correspond to countersink screws and art. 913.101.11 and art. 813.601.11 correspond to flat-head screws.




Drawing is 1:1 scale

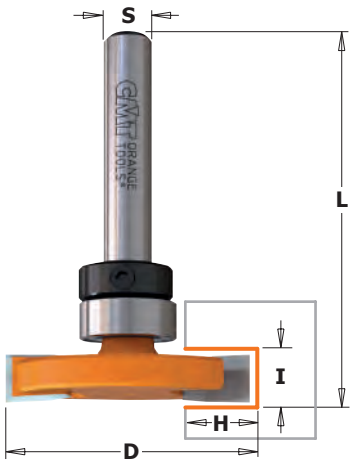


913.201.11
813.701.11



| D mm | d mm | $l_1$ mm | l mm | L mm | | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|
| 11.1 | 4.36 | 12.7 | 20.6 | 63.5 | 10 | **913.201.11** | **813.701.11** |
| 12.7 | 4.36 | 13.9 | 24.2 | 63.5 | 10 | **913.101.11** | **813.601.11** |

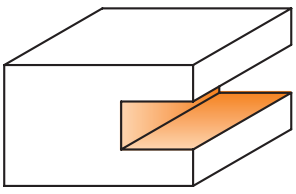


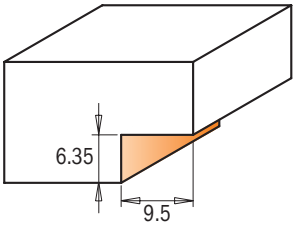



# 822.023B - 822.024B

HW Z2 RH

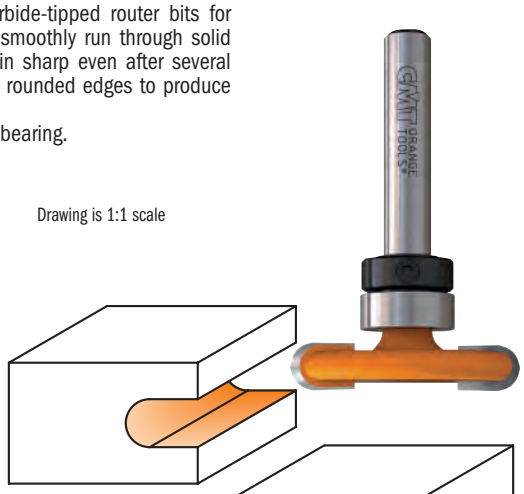
CMT now offers you these industrial quality carbide-tipped router bits for flooring and inlay applications. They easily and smoothly run through solid and timber wood while cutting edges and remain sharp even after several passes 822.024.11B item number also features rounded edges to produce 3.2mm (1/8") radius inlays.
These bits are equipped with a stop collar and a bearing.



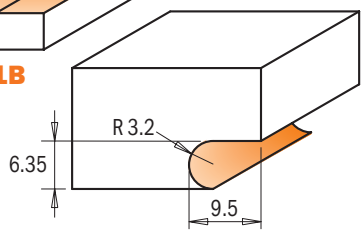



822.023.11B

Drawing is 1:1 scale



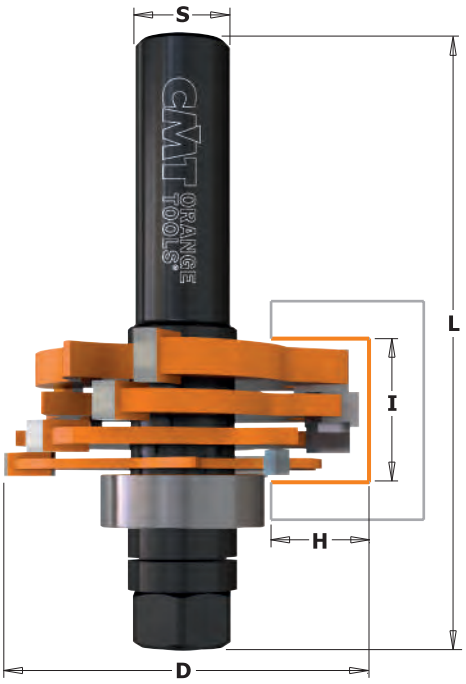
822.024.11B




| D mm | l mm | H mm | R mm | L mm | | ORDER NO. S=Ø6.35mm |
|---|---|---|---|---|---|---|
| 31.75 | 6.35 | 9.5 | | 47.6 | 10 | **822.023.11B** |
| 31.75 | 6.35 | 9.5 | 3.2 | 47.6 | 10 | **822.024.11B** |

*Spare parts*

| | | | |
|---|---|---|---|
| 791.010.00 | 541.001.00 | 990.005.00 | 991.056.00 |
| 791.010.00 | 541.001.00 | 990.005.00 | 991.056.00 |




# 8/900.506

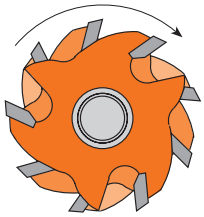
HW Z3 RH

Create slots, grooves and rabbets in materials from 3.2mm to 18mm in depth by using the adjustable CMT 3-Wing slot cutter set. See chart below for details on spacing and correct cutter combinations. Ideal for biscuit joints and milling perfect tongue and groove joints. This set includes:
- 4 carbide tipped cutters 3.2mm, 4mm, 4.8mm, 6.4mm
- 1 arbor 12mm or 12.7mm
- 1 ball bearing (22mm) for 12.7mm cut
- 17 shims: (8x0.1mm - 4x0.5mm - 3x1mm and 2x4mm)

**SAFETY TIPS:** **never use the slot cutter set without shims between the cutters. The distance between the cutters can vary from 1mm to 1.7mm. A shim must also be positioned between the ball bearing and the cutters.**

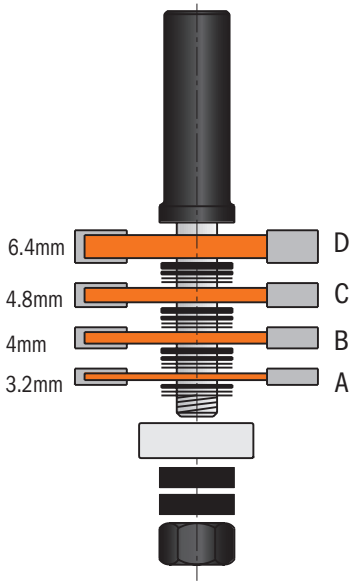
**SHOP TIPS:** the bearings kit **791.711.00** makes 6.35mm and 9.5mm cutting depths.

**NOTE:** the carbide edges of the cutters must never touch; arrange the shims as illustrated below. Use only thicknesses provided in the set. Be sure all cutters are assembled in the correct rotational direction. Looking downwards on the arbor, the cutters will turn clockwise.



| CUTTER COMBINATIONS | CUTTER HEIGHT mm | | mm |
|---|---|---|---|
| A | 3.2 | | |
| B | 4 | | |
| C | 4.8 | | |
| D | 6.4 | | |
| A + B | 6.4 | to | 7.1 |
| A + C | 7.2 | to | 7.9 |
| A + D | 8.8 | to | 9.5 |
| B + C | 8 | to | 8.7 |
| B + D | 9.6 | to | 10.3 |
| C + D | 10.4 | to | 11.1 |
| A + B + C | 10.4 | to | 11.8 |
| A + B + D | 11.9 | to | 13.3 |
| A + C + D | 12.7 | to | 14.1 |
| B + C + D | 13.5 | to | 14.9 |
| A + B + C + D | 15.9 | to | 18 |

Use shims to adjust cut width: MIN.1mm - MAX 1.7mm




| I mm | D mm | H mm | L mm | | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|
| 3.2-18 | 47.6 | 12.8 | 81 | 10 | **900.506.11** | |
| 3.2-18 | 47.6 | 12.8 | 81 | 10 | | **800.506.11** |

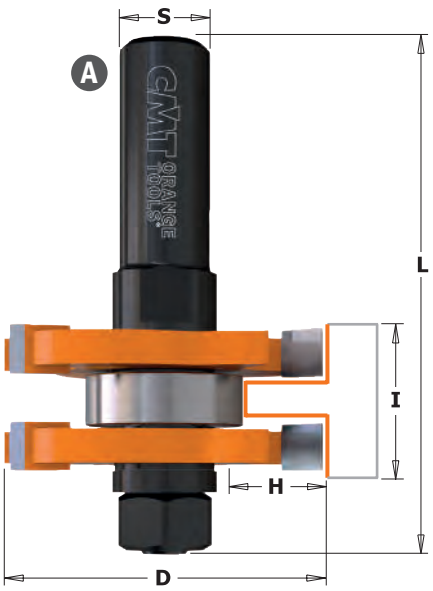
*Spare parts*

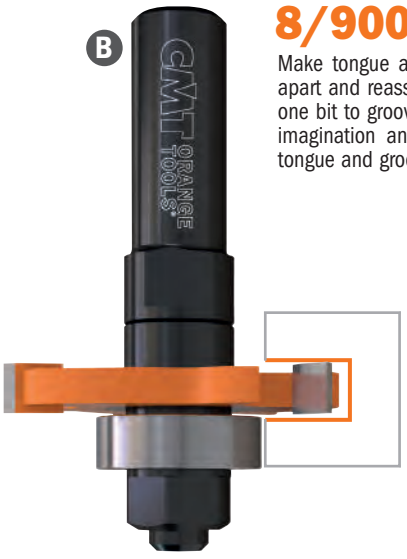
| | | |
|---|---|---|
| 924.128.00 | 791.005.00 | 990.020.00 |
| 824.128.00 | 791.005.00 | 990.020.00 |

*Spare parts:* **541.515.00** 0.1mm spacer
**541.517.00** 0.5mm spacer
**541.518.00** 1mm spaceer
**541.501.00** 4mm spacer

*Optional:* **791.711.00** 2 pcs. bearing set for depth variations 28.5mm and 34.9mm

## Tongue & Groove Set

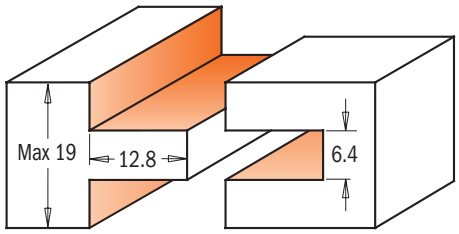



# 8/900.626

HW Z3 RH

Make tongue and groove joints without the complicated process of taking apart and reassembling bits. The new CMT tongue and groove set gives you one bit to groove the slot and a separate bit to mill the tongue. Or use your imagination and put them to work individually on other projects. Makes tongue and groove cuts in wood up to 19mm thickness.



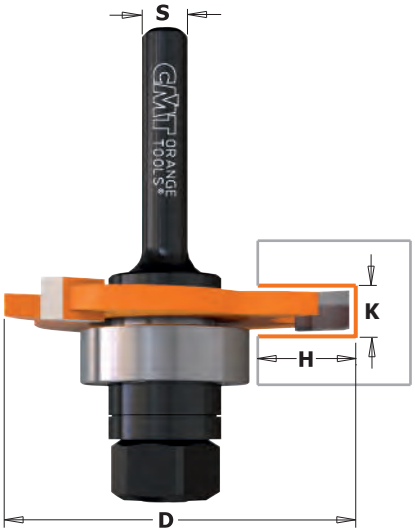

Drawing is 1:1 scale

| PROFILE | I mm | D mm | H mm | L mm | | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|
| A+B | 19 | 47.6 | 12.8 | 71 | 5 | **900.126.11** | | |
| A+B | 19 | 47.6 | 12.8 | 71 | 5 | | **900.626.11** | |
| A+B | 19 | 47.6 | 12.8 | 71 | 5 | | | **800.626.11** |
| A | 19 | 47.6 | 12.8 | 71 | 10 | | | **800.626.11M** |

*Spare parts*

| | | | |
|---|---|---|---|
| 924.083.00 | 791.005.00 | 822.364.11 | 990.020.00 |
| 924.131.00 | 791.005.00 | 822.364.11 | 990.020.00 |
| 824.131.00 | 791.005.00 | 822.364.11 | 990.020.00 |
| 824.131.00 | 791.005.00 | 822.364.11 | 990.020.00 |

*Spare parts:* **541.515.00** 0.1mm spacer
**541.516.00** 0.3mm spacer
**541.517.00** 0.5mm spacer
**541.518.00** 1mm spacer
**541.500.00** 3mm spacer

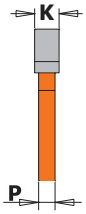


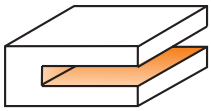

# 7/8/922A/B

HW Z3 RH

Uses for the CMT 3-Wing Slot Cutter are almost infinite. Cut slots and grooves for splines, biscuits, T-molding or tongue and groove joints.
Every cutter features 3 tungsten carbide tipped cutting edges, CMT's trademark orange non-stick PTFE coating and boasts an anti-kickback design. CMT slot cutters are available as a blade only or with your choice of a 6, 8, 12, 6.35 or 12.7mm diameter arbor which includes a 22mm diameter bearing for a cutting depth of up to 12.7mm. Other bearings are available in the spare parts section of this catalogue.

**NOTE:** For 9.5mm or 6.35mm depths, you can order the bearing kit **791.711.00** (with 28.5mm - 34.9mm diameters).



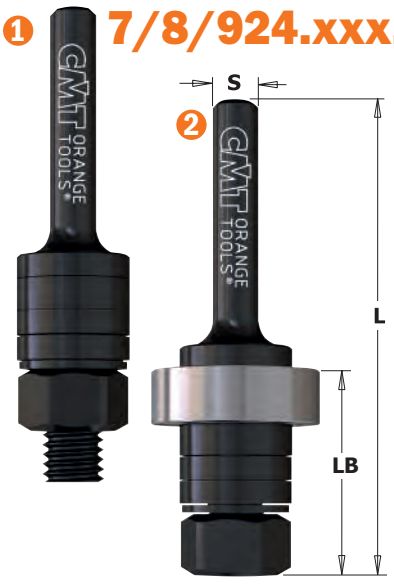


Drawing is 1:1 scale

| K mm | P mm | D mm | H mm | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|---|
| 1.5 | 1.1 | 47.6 | 12.8 | 10 | 722.315.11A | | 922.315.11A | 922.315.11B | |
| 1.6 | 1.1 | 47.6 | 12.8 | 10 | | 822.316.11A | | | 822.316.11B |
| 2 | 1.3 | 47.6 | 12.8 | 10 | 722.320.11A | 822.320.11A | 922.320.11A | 922.320.11B | 822.320.11B |
| 2.4 | 1.3 | 47.6 | 12.8 | 10 | | 822.324.11A | | | 822.324.11B |
| 2.5 | 1.3 | 47.6 | 12.8 | 10 | 722.325.11A | | 922.325.11A | 922.325.11B | |
| 3 | 1.3 | 47.6 | 12.8 | 10 | 722.330.11A | | 922.330.11A | 922.330.11B | |
| 3.2 | 1.3 | 47.6 | 12.8 | 10 | | 822.332.11A | | | 822.332.11B |
| 3.5 | 2.1 | 47.6 | 12.8 | 10 | 722.335.11A | | 922.335.11A | 922.335.11B | |
| 4 | 2.1 | 47.6 | 12.8 | 10 | 722.340.11A | 822.340.11A | 922.340.11A | 922.340.11B | 822.340.11B |
| 4.8 | 2.9 | 47.6 | 12.8 | 10 | | 822.348.11A | | | 822.348.11B |
| 5 | 2.9 | 47.6 | 12.8 | 10 | 722.350.11A | | 922.350.11A | 922.350.11B | |
| 6 | 4.5 | 47.6 | 12.8 | 10 | 722.360.11A | 822.360.11A | 922.360.11A | 922.360.11B | 822.360.11B |
| 6.4 | 4.5 | 47.6 | 12.8 | 10 | | 822.364.11A | | | 822.364.11B |

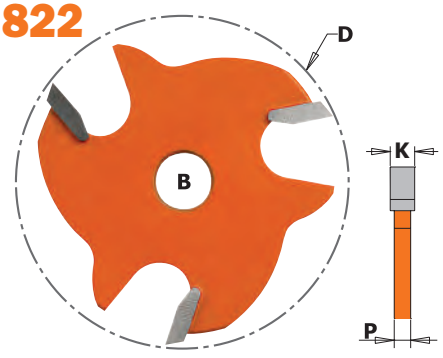
These 3-wing tungsten carbide tipped cutters feature anti-kickback design and CMT's trademark orange PTFE Industrial Coating. All cutters feature an 8mm bore. Use these cutters with cutter arbors **724** (Ø6mm diameter), **824** (Ø6.35mm & Ø12.7mm diameters), and **924** (Ø8mm & Ø12mm diameters).

## ❶ 7/8/924.xxx.00

## ❷ 7/8/924.xxx.10



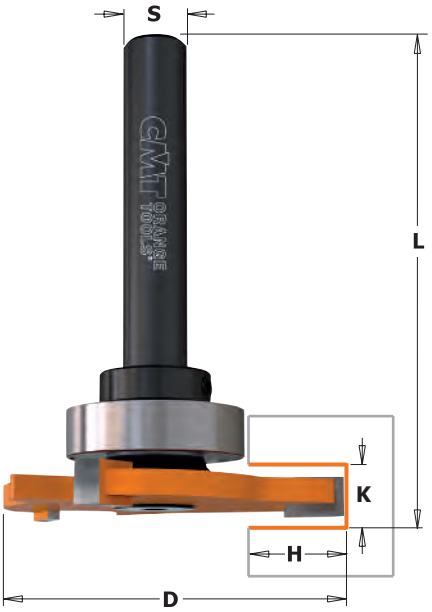

## 822




| K mm | P mm | D mm | B mm | | ORDER NO. |
|---|---|---|---|---|---|
| 1.5 | 1.1 | 47.6 | 8 | 10 | 822.315.11 |
| 1.6 | 1.1 | 47.6 | 8 | 10 | 822.316.11 |
| 1.8 | 1.1 | 47.6 | 8 | 10 | 822.318.11 |
| 2 | 1.3 | 47.6 | 8 | 10 | 822.320.11 |
| 2.2 | 1.3 | 47.6 | 8 | 10 | 822.322.11 |
| 2.4 | 1.3 | 47.6 | 8 | 10 | 822.324.11 |
| 2.5 | 1.3 | 47.6 | 8 | 10 | 822.325.11 |
| 2.8 | 1.3 | 47.6 | 8 | 10 | 822.328.11 |
| 3 | 1.3 | 47.6 | 8 | 10 | 822.330.11 |
| 3.2 | 1.3 | 47.6 | 8 | 10 | 822.332.11 |
| 3.5 | 2.1 | 47.6 | 8 | 10 | 822.335.11 |
| 4 | 2.1 | 47.6 | 8 | 10 | 822.340.11 |
| 4.8 | 2.9 | 47.6 | 8 | 10 | 822.348.11 |
| 5 | 2.9 | 47.6 | 8 | 10 | 822.350.11 |
| 6 | 4.5 | 47.6 | 8 | 10 | 822.360.11 |
| 6.4 | 4.5 | 47.6 | 8 | 10 | 822.364.11 |

| | DESCRIPTION | LB mm | L mm | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|---|
| ❶ | Slot cutter arbor without bearing | 26 | 61 | 10 | 724.060.00 | 824.064.00 | 924.080.00 | | |
| ❶ | Slot cutter arbor **without** bearing | 26 | 67.5 | 10 | | | | 924.120.00 | 824.127.00 |
| ❷ | Slot cutter arbor with bearing | 26 | 61 | 10 | 724.060.10 | 824.064.10 | 924.080.10 | | |
| ❷ | Slot cutter arbor with bearing | 26 | 67.5 | 10 | | | | 924.120.10 | 824.127.10 |
| | Slot cutter arbor **without** bearing, long series | 40 | 86 | 10 | | | 924.083.00 | | |
| | Slot cutter arbor with bearing, long series | 40 | 86 | 10 | | | 924.083.10 | | |

*Spare parts:* **791.005.00** Ø8-22mm bearing
**541.501.00** 4mm spacer
**541.500.00** 3mm spacer
**541.518.00** 1mm spacer
**990.020.00** M8 nut

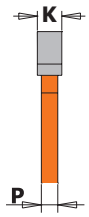


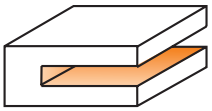

# 923A - 823B

HW Z3 RH

The uses of this bit are infinite: not only can you rout grooves and rabbets, but you can even create T or dove-tail joints and create biscuit and spline recesses on wood panels. Each bit features three carbide-tipped cutters, orange coloured PTFE coating and anti-kickback design.

**NOTE:** This cutter comes with a Ø22mm bearing for 2.8mm depth cuts. By ordering different bearings this depth can be shortened.

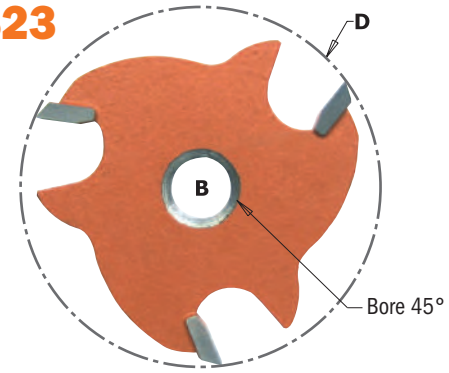


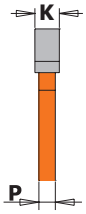
Drawing is 1:1 scale

| K mm | P mm | D mm | H mm | L mm | | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|
| 3 | 1.3 | 47.6 | 12.8 | 58 | 10 | **923.330.11A** | |
| 3.2 | 1.3 | 47.6 | 12.8 | 57.5 | 10 | | **823.332.11B** |
| 4 | 2.1 | 47.6 | 12.8 | 58.3 | 10 | **923.340.11A** | **823.340.11B** |
| 5 | 2.9 | 47.6 | 12.8 | 63 | 10 | **923.350.11A** | |
| 6.4 | 4.5 | 47.6 | 12.8 | 60.7 | 10 | | **823.364.11B** |

# 823




These 3-wing carbide tipped slot cutters feature anti-kickback design and CMT's trademark orange PTFE Industrial Coating for carrying out lateral grooves.
For use with cutter arbors **724** (Ø6mm), **824** (Ø6.35mm & Ø12.7mm) and **924** (Ø8mm).



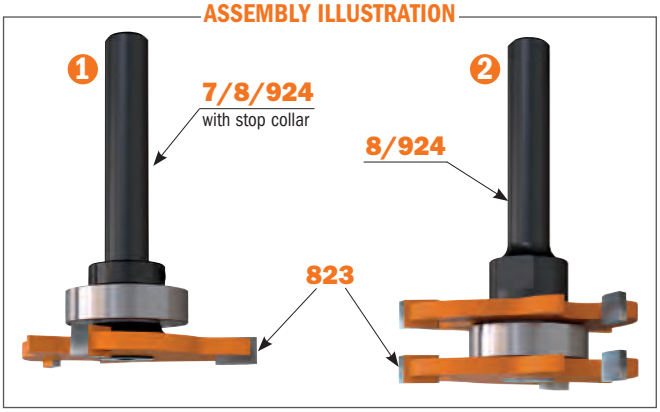

| K mm | P mm | D mm | B mm | | ORDER NO. |
|---|---|---|---|---|---|
| 3 | 1.3 | 47.6 | 8 | 10 | **823.330.11** |
| 3.2 | 1.3 | 47.6 | 8 | 10 | **823.332.11** |
| 4 | 2.1 | 47.6 | 8 | 10 | **823.340.11** |
| 5 | 2.9 | 47.6 | 8 | 10 | **823.350.11** |
| 6.4 | 4.5 | 47.6 | 8 | 10 | **823.364.11** |

## 7/8/924

with stop collar

## 8/924

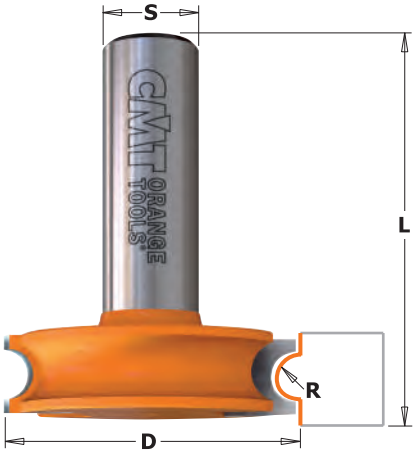
## ASSEMBLY ILLUSTRATION




| | DESCRIPTION | L mm | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|
| 1 | Slot cutter arbor with bearing and stop collar | 55 | 10 | **724.061.10** | **824.061.10** | **924.081.10** | | **824.121.10** |
| 1 | Slot cutter arbor **without** bearing without stop collar | 55 | 10 | **724.061.00** | **824.061.00** | **924.081.00** | | **824.121.00** |
| 2 | Slot cutter arbor with bearing | 61 | 10 | | | **924.082.10** | | **824.122.10** |
| 2 | Slot cutter arbor **without** bearing | 61 | 10 | | | **924.082.00** | | **824.122.00** |

*Spare parts:*
**791.012.00** Ø8-22mm bearing
**541.001.00** Stop collar for Ø6.35mm shanks
**541.002.00** Stop collar for Ø12.7mm shanks
**791.013.00** Ø12.7-22mm bearing
**541.003.00** Stop collar for Ø6mm shanks
**541.004.00** Stop collar for Ø8mm shanks
**541.515.00** 0.1mm spacer
**541.516.00** 0.3mm spacer
**541.517.00** 0.5mm spacer
**541.518.00** 1mm spacer
**990.055.00** M5x12mm TSPEI screw
**991.067.00** 3mm hex key

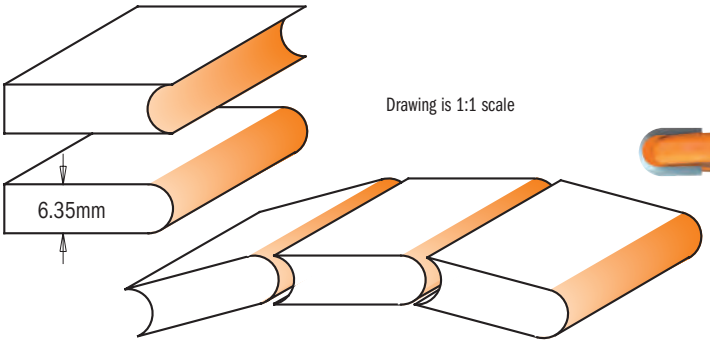
## Flute & Bead Set




### 8/955.701

HW Z2 RH

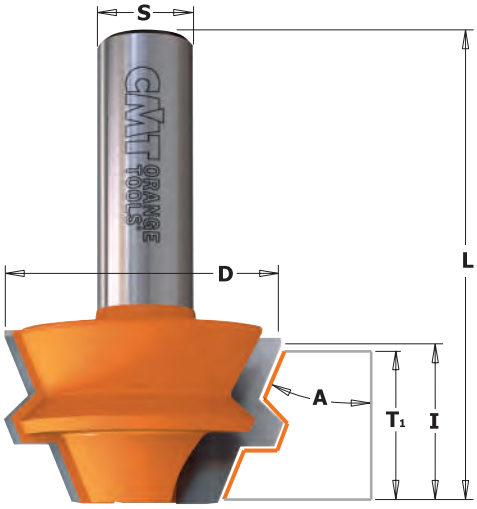
This perfectly mated CMT set is ideal for making wooden canoe slats and hot tub enclosures. The cutting edges in tungsten carbide stay sharp even after cutting large amounts of stock. The anti-kickback design ensures that you work safely. Use both the flute and the bead bits for 6.35mm (1/4") slats as shown below.




Drawing is 1:1 scale

| R mm | D mm | L mm | L1 mm | | | | | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|---|
| 3.2 | 38 | 48.1 | 44.5 | 5 | | | | 955.701.11 | 855.701.11 |

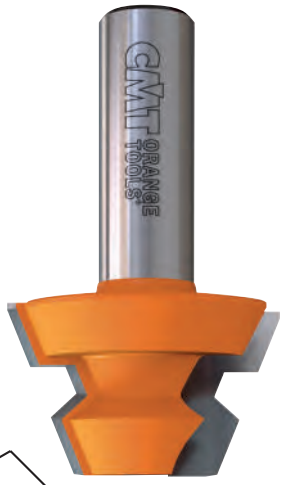
## Lock Miter Set

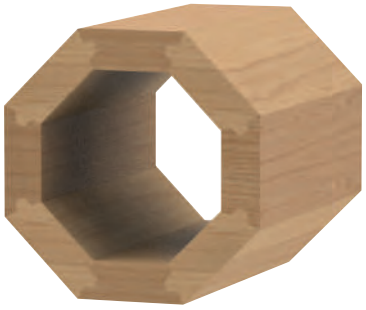


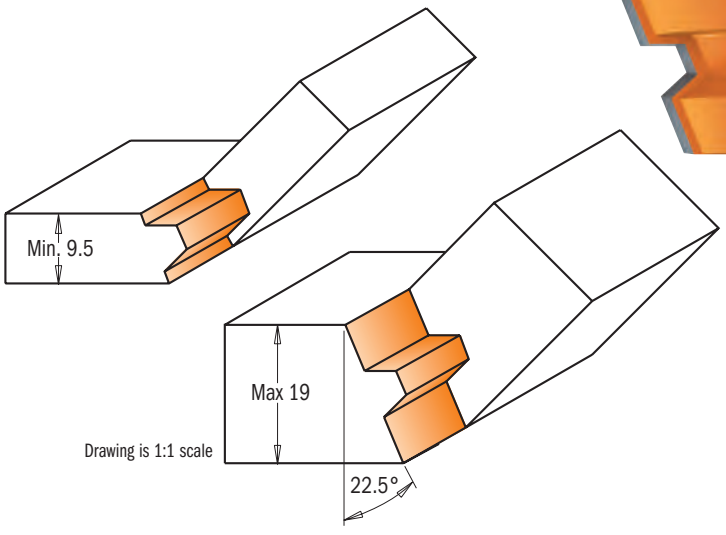

### 8/955

HW Z2 RH

Use this pair of bits to produce octagonal shaped boxes and popular corner cabinetry for kitchens, kitchen islands, entertainment centres and corner hutches.
This 22.5° Lock Miter set provides a strong tight joint even at 45°angles.
After the joints are machined, they can be glued and assembled or simply clamped by using strapping tape.





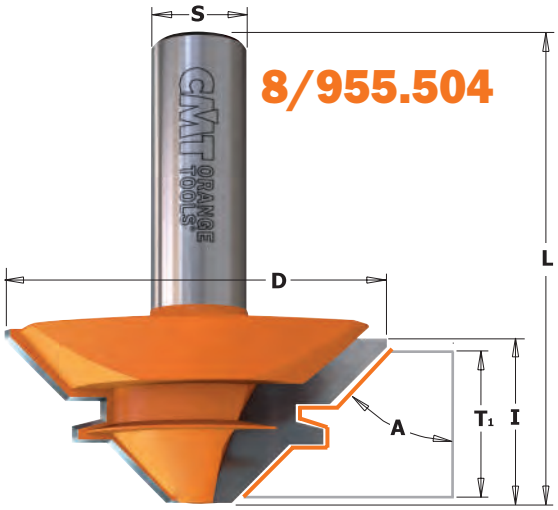



Drawing is 1:1 scale

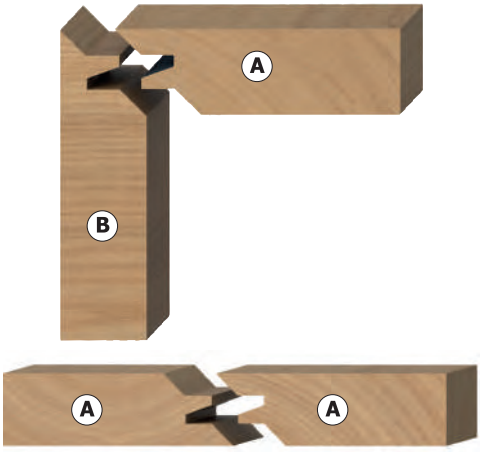
| D mm | I mm | A | T1 mm | L mm | | | | ORDER NO. S=Ø8mm | | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|---|---|
| 37.3 | 22.2 | 22.5° | 9.5 ÷ 19 | 60.3 | 5 | | | 955.005.11 | | 855.505.11 |

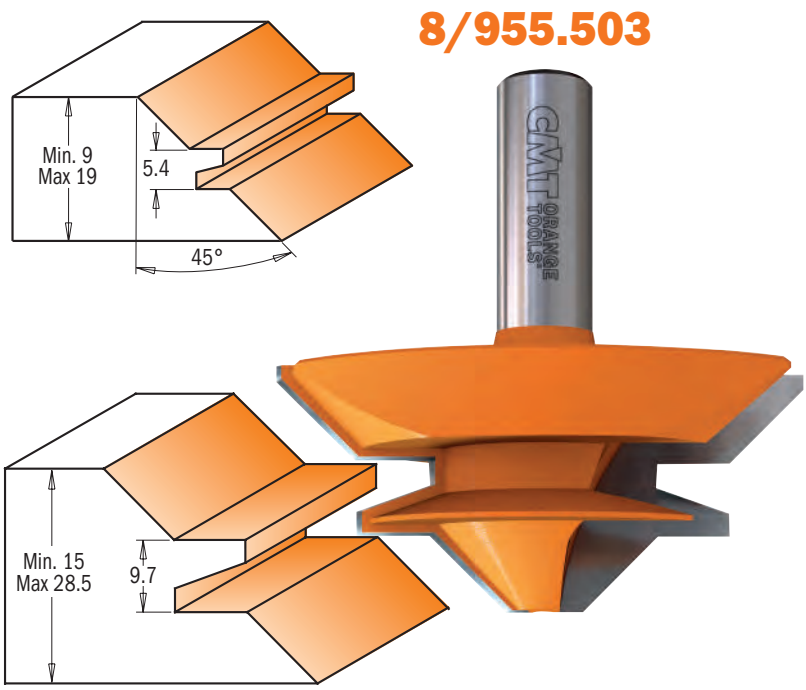
CMT ORANGE TOOLS®

HW | α | Z2 | RH



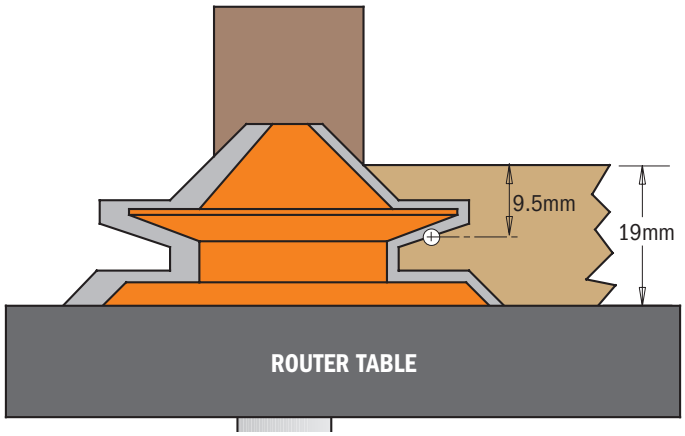

These are the ultimate bits to craft sturdy miter joints thanks to anti-kickback design and tough tungsten carbide cutting edges.
By adding a second smaller bit, you can mill anywhere from 9.5mm to 28.5mm in thickness. A quick and easy way to accurately create boxes, stretcher bars, frames and any assortment of right angle or parallel joint projects.
You also have the advantage of using the same bit for parallel joinery projects.
To mill sturdy parallel glue joints follow step 1 shown in the illustration with the inside face of the workpiece laid flat on the table and centred to the bit. To make the second part, lay the workpiece flat on the table and centred to the bit. Mill with the inside face-up.



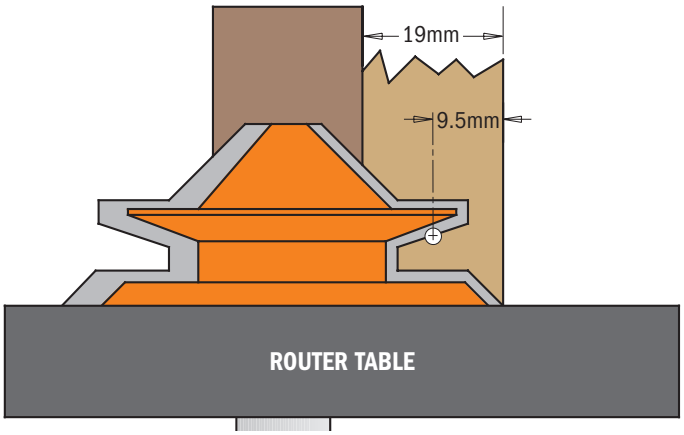




Drawing is 1:1 scale

## FOR MITER AND PARALLEL GLUE JOINTS USING 19MM BOARD

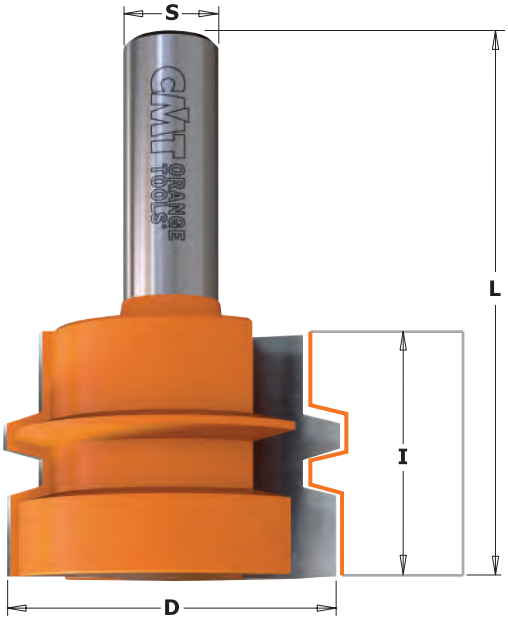



**Nr. 1:** Rout one piece with the inside face flat on the router table. Be sure the cut is centred to the stock.




**Nr. 2:** Rout the second piece with the inside face vertical to the fence.

| D mm | I mm | A | T1 mm | L mm | | | | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|---|---|
| 44.5 | 19 | 45° | 9 ÷ 18 | 58 | 5 | | | **955.009.11** | | |
| 50.8 | 21 | 45° | 9.5 ÷ 19 | 60.3 | 5 | | | | **955.504.11** | **855.504.11** |
| 70 | 30 | 45° | 15 ÷ 28.5 | 70 | 5 | | | | **955.503.11** | **855.503.11** |

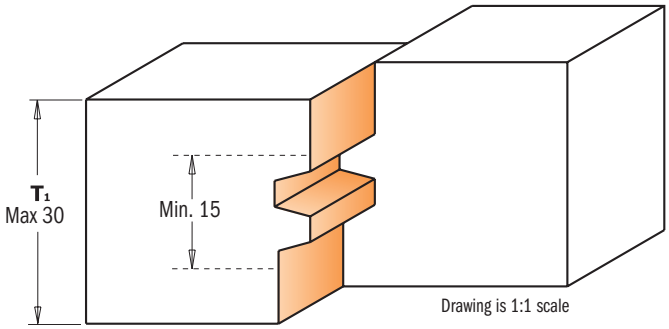



# 8/955.501

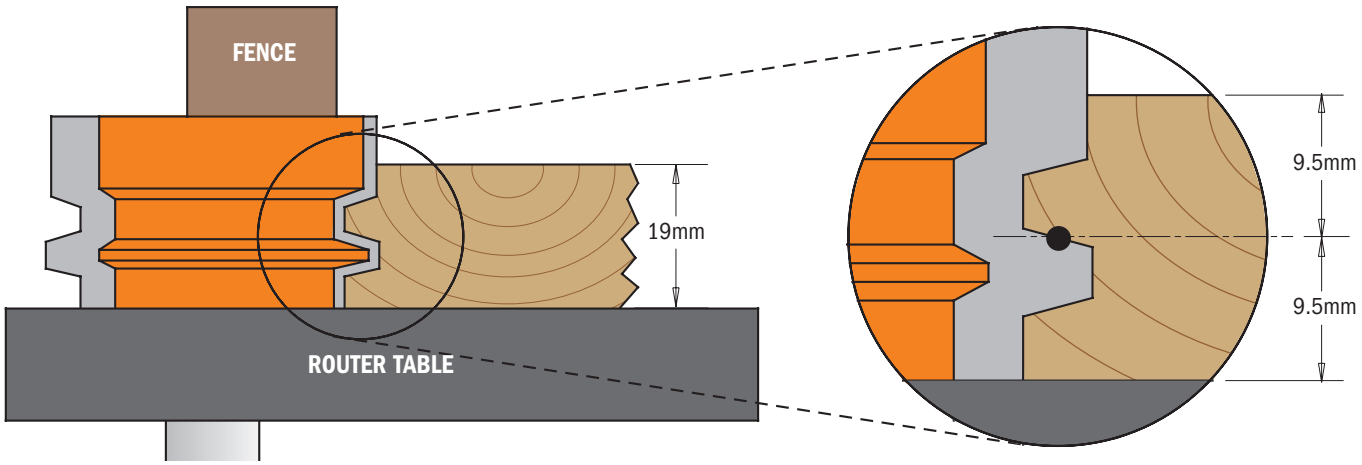
HW Z2 RH

The most unique and important characteristic of this CMT bit is its capacity to produce a virtually indestructible glue joint quickly and flawlessly. Ideal for routing panels, doors and furniture pieces of wide dimension, panels, doors and furniture pieces. Refer to page 252, “ABCs of Panel Door Construction”.
By accurately centering the bit to the wood, the upper and lower vertical cutting edges of the bit will cut equal proportions. Simply run one edge of the panel, turn the panel over, and then run the opposite edge - you will craft perfectly harmonized reverse cuts that match up to produce immaculate joints!

**SHOP TIPS:** When glueing, apply enough pressure to securely seal the joint. Insufficient pressure results in a weak joint and excessive pressure will distort the wood.

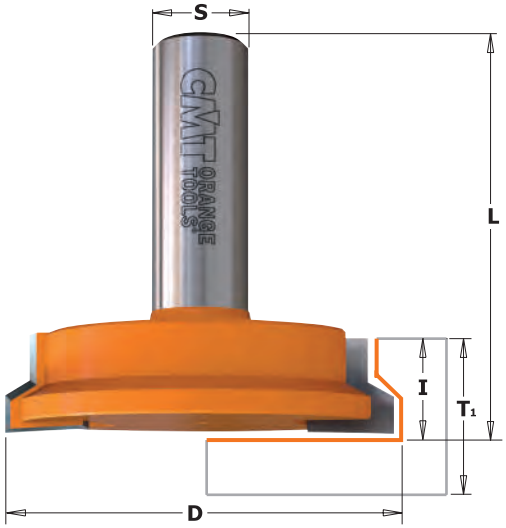


## EXAMPLE USING A 19MM BOARD




Accurately centre the wood to the bit: Adjust the bit according to the thickness of the wood you are cutting. Line up the cut edge of the wood to the centre point of the bit as illustrated in the enlarged drawing. The upper and lower vertical cutting edges of the bit are in proportion and at an equal distance from the centre point of the bit. Run one cut edge of the wood, turn the piece over and run the other edge for exact reverse cuts that match up perfectly. Assemble the reverse cut pairs together for beautiful, strong joints.

| D mm | I mm | T1 mm | L mm | | | | | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|---|
| 44.4 | 32 | 15 - 30 | 70.1 | 10 | | | | 955.501.11 | 855.501.11 |

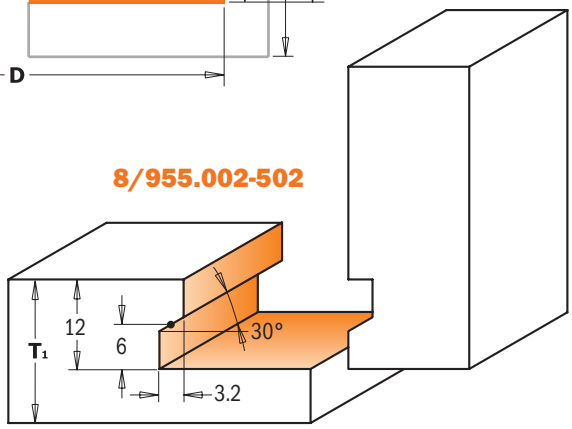



# 7/8/955

With CMT drawer lock bits you can make strong, perfectly fitted joints quickly and easily. Follow the example below to create perfect drawers.

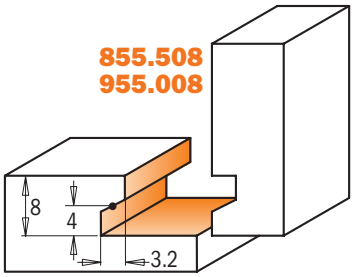
**WARNING!** These bits are to be used on router tables only with a fence. Do not use on hand-held routers.

**8/955.002-502**

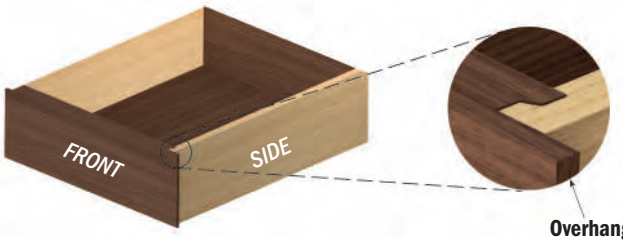



Drawing is 1:1 scale

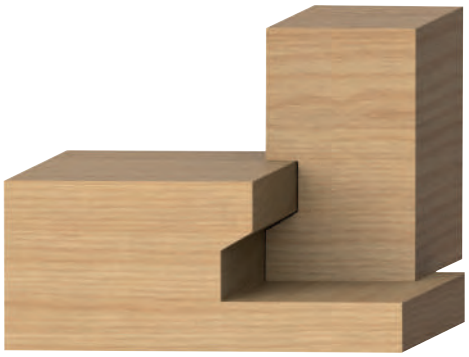
**855.508**
**955.008**

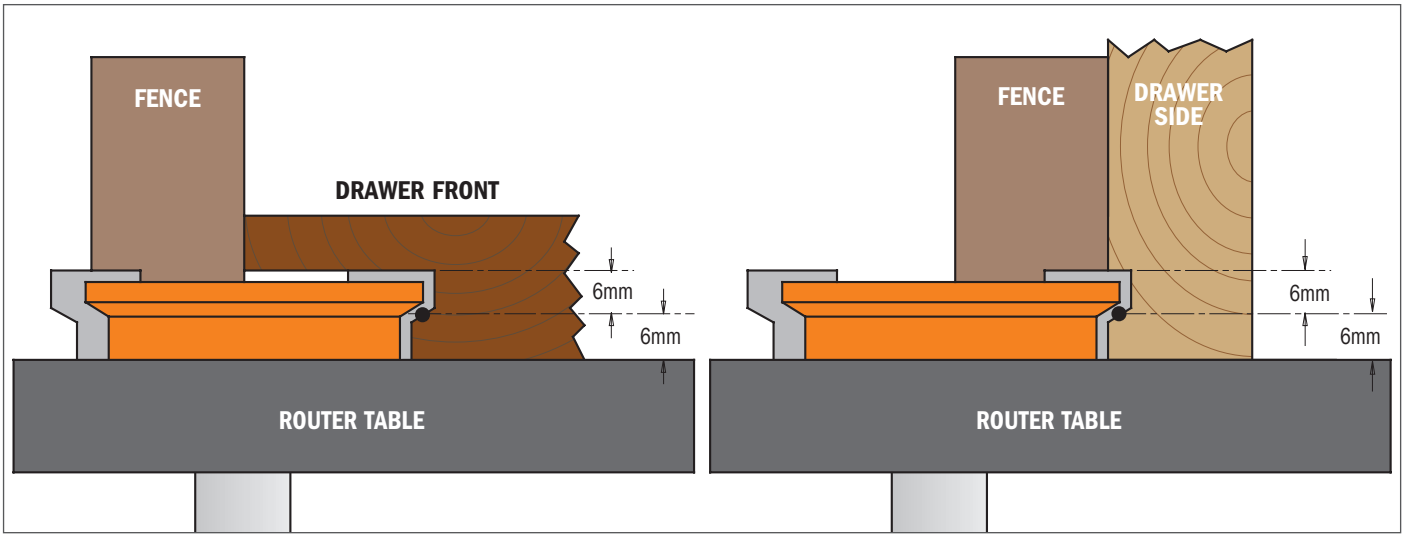



Drawing is 1:1 scale

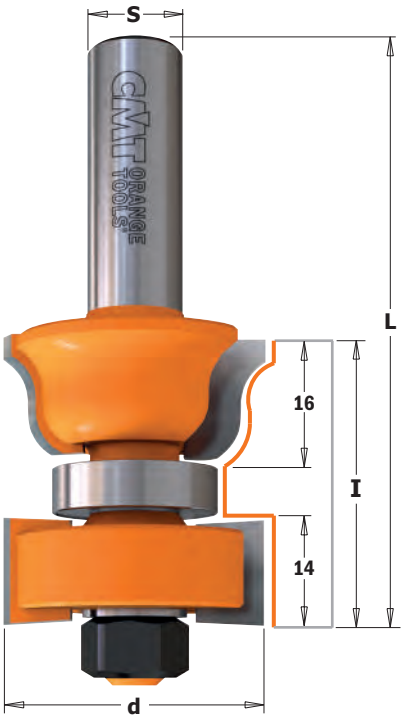



**Overhang for drawer stop**



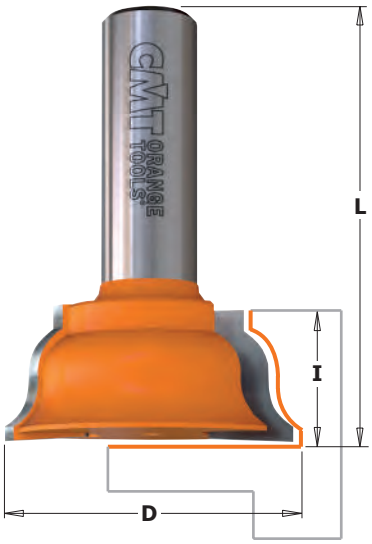


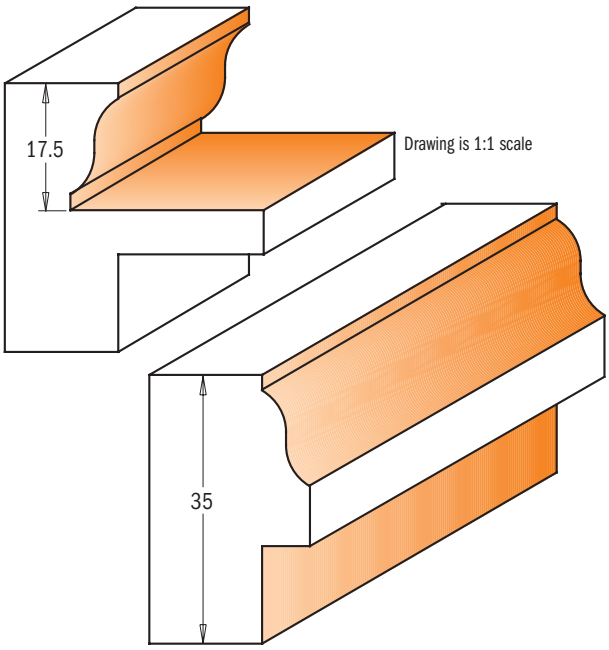

| D mm | T1 min. mm | T1 max. mm | I mm | L mm | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|---|---|
| 25.4 | 9.5 | 15.88 | 12.7 | 54 | 10 | | | **955.008.11** | | **855.508.11** |
| 31.7 | 15.88 | 25.4 | 12.7 | 44.5 | 10 | **755.002.11** | **855.002.11** | **955.002.11** | | |
| 50.8 | 15.88 | 25.4 | 12.7 | 50.8 | 10 | | | | **955.502.11** | **855.502.11** |




# 8/955.801

CMT designed this set so you can create window sashes that are as beautiful as they are functional. You can craft perfect 12.7mm profiles for custom doors.




| d mm | I mm | L mm | | D mm | I mm | L mm | | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 35 | 84 | | 38 | 17.5 | 56 | 5 | **955.801.11** | **855.801.11** |

*Spare parts*

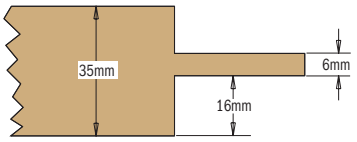
| | | | |
|---|---|---|---|
| 791.012.00 | 822.004.11 | 541.518.00 | 990.020.00 |

## STEP-BY-STEP WINDOW SASH CONSTRUCTION

### CMT SET MAKES IT EASY!

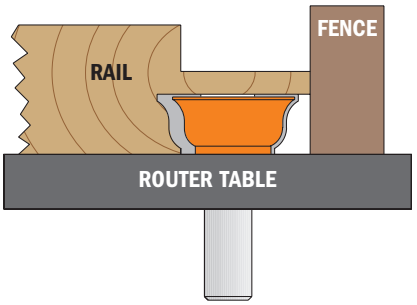
In our step-by-step example for window sash construction, we used the following:
- CMT Window Sash Set (item #855.801.11)
- stiles cut 35mm thick
- rails cut 35mm thick
- scrap stock

The CMT Window Sash Set was designed ideally for the construction of windows in 35mm stock, however variations as narrow as 28mm can be used. Stock thicker than 35mm exceeds the milling range of the cutter. Remember to adjust your measurements and cutting depths according to the wood thickness you use. We suggest making a trial joint in scrap stock according to the following steps before milling all of the cope and stick Profilees.




**STEP 1 - Measurements and making the tenons**

The ideal thickness of the stiles when using the CMT sash set is 35mm. The desired width of the stiles will determine the length you need to make your tenons, while the length of the stile will represent the desired full height of the sash. When cutting the rails to length, make sure to add the length of the two tenons to the overall length of the rail. The length of the tenons should be at least half the width of the stile. Mill 16mm measuring from the front face of the stock using a table saw, radial saw or router as shown in illustration 1. This measurement remains invariable since it is calculated to the height of the CMT sash routers. The width of the tenon is 6mm. Rotate the stock and mill the other side. As per our example, the second milling will be 13mm but this measurement will vary if you are using thinner stock.

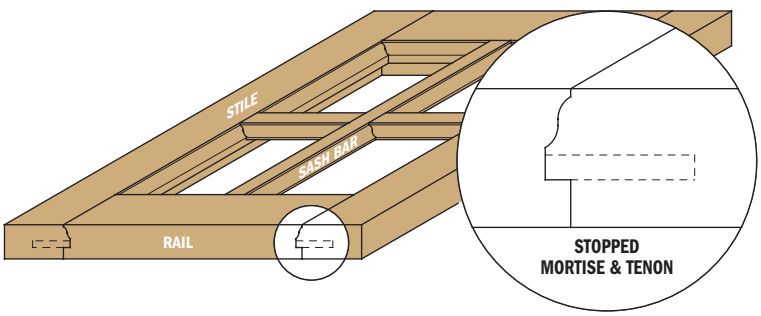


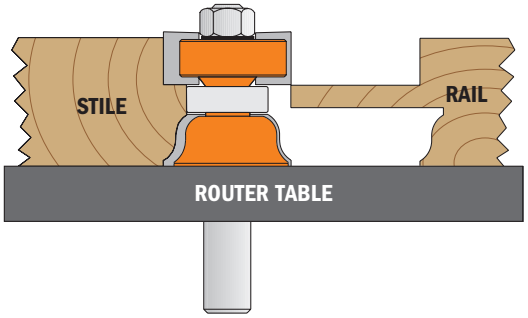

**STEP 2 - Making the cope Profilee on rails, sash bar and muntins**

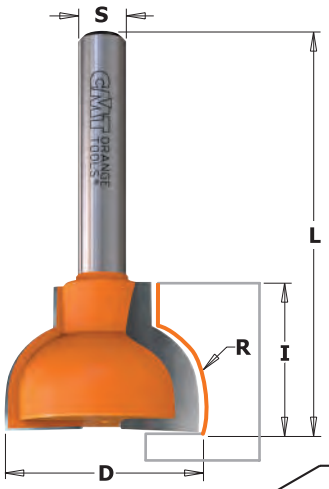
To make the cope Profilee, place the rail face front down on the router table with the tenon flush to the bit as shown in illustration 2. Adjust the fence so the bit mills 6.35mm deeper than the tenon. To mill the sash bar and the muntins (cross bars), position front face down on the router table and mill without changing the height of the bit.

**STEP 3 - Making the stick Profilee on rails, stile, sash bar and muntins**

To mill the stick Profilee along the inside edges of all sash parts, place the already milled cope Profilee front face down on the router table and adjust the sash bit so that the lower edge of the top cutter will exactly touch the upper edge of the tenon as shown in need to 3 illustrations. With the rail still face down on the table, turn it so the inside edge of the rail is touching the bit and mill the stick Profilee. Mill the inside edges of the stiles and mill both edges of the front face of the sash bar and muntins. To cut the slots for the tenons, measure 16mm from the front face of the stiles and rout with a table saw.



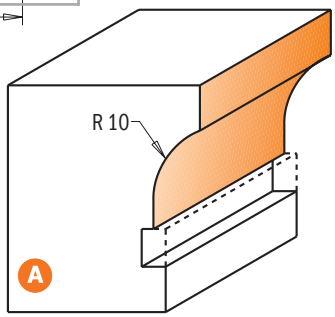



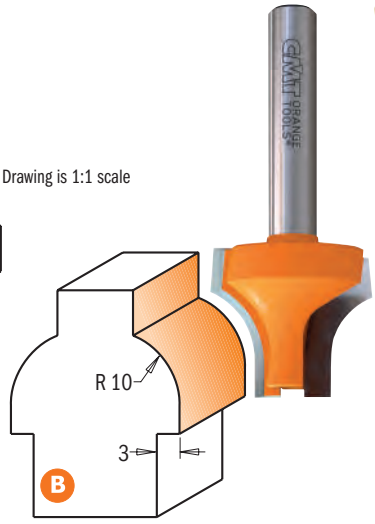


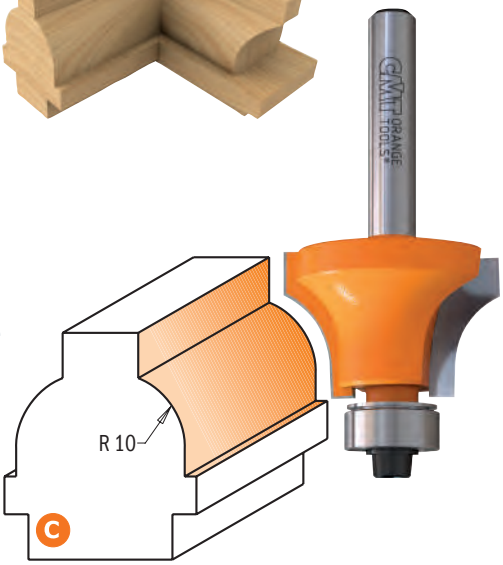

## 8/955.3

These bits allow you to make true divided light doors for fine furniture and cabinets as well as sash bar windows, and stile and rail constructions.
The glazing bar ovolo bits are bearing-guided to enable curved frames to be moulded.
Cove bits can be used to produce easy-to-pull drawer handles.

Drawing is 1:1 scale



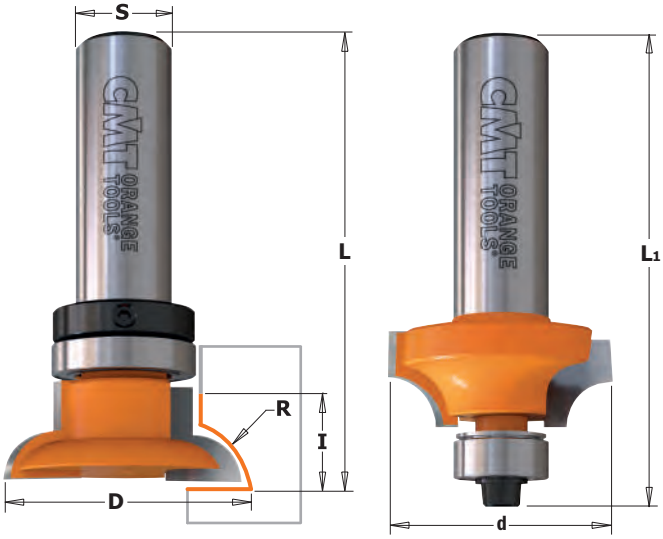




| D mm | I mm | R mm | L mm | PROFILE | | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm |
|---|---|---|---|---|---|---|---|
| 25 | 19 | 10 | 50.8 | A | 10 | **855.307.11M** | **955.307.11M** |
| 22 | 19 | 10 | 50.8 | B | 10 | **855.307.11F** | **955.307.11F** |
| 28 | 19 | 10 | 61.2 | C | 10 | **855.308.11F** | **955.308.11F** |

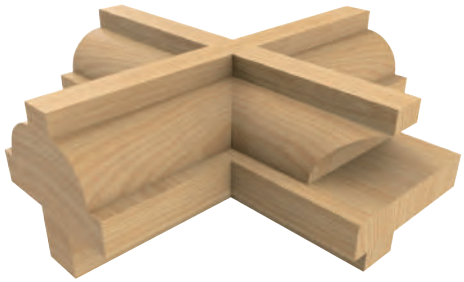
*Spare parts*

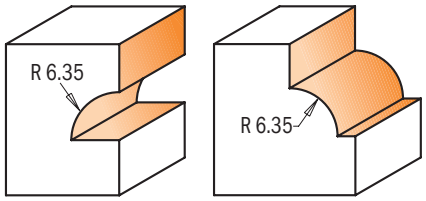
| | | | |
|---|---|---|---|
| | | | |
| | | | |
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |

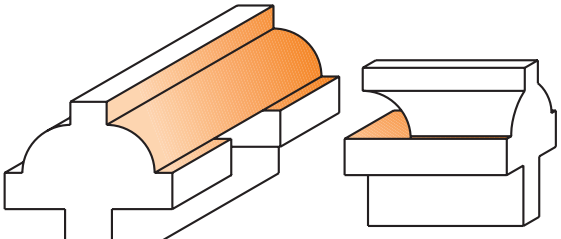
## Ovolo/Glass Door Sash Set




## 955.302 - 855.802





Drawing is 1:1 scale

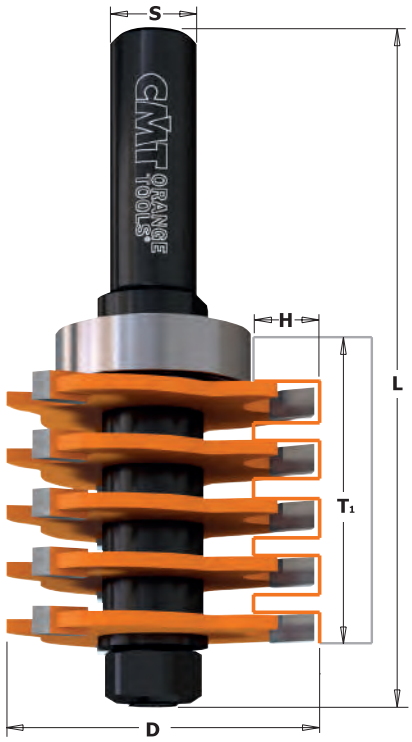
| d mm | D mm | I mm | R mm | L mm | L1 mm | | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|
| 30 | 31.7 | 12 | 6.35 | 57 | 61 | 5 | **955.302.11** | **855.802.11** |

*Spare parts*

| | | | | |
|---|---|---|---|---|
| | | | | |
| 990.423.00 | 791.003.00 | 990.058.00 | 791.011.00 | 541.002.00 |

***Spare parts:*** **991.056.00** 1.5mm hex key
**991.057.00** 3/32" hex key

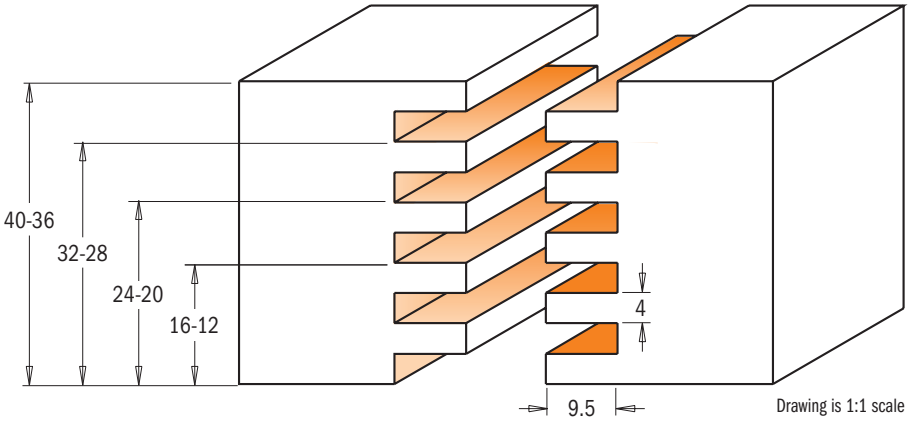
# Finger Joint Bit




## 8/900.616

HW Z3 RH

This router allows you to carry out accurate and functional finger joints with the greatest of ease. Without any adjustment you will be able to work woods with different thicknesses as indicated in the drawing. The bearing allows you to reach a 9.5mm cutting depth.
For further cutting depths you need to use a fence.




Drawing is 1:1 scale

| T1 mm | D mm | H mm | L mm | | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|
| 12 - 40 | 47.6 | 9.5 | 97 | 10 | **900.616.11** | |
| 12 - 40 | 47.6 | 9.5 | 97 | 10 | | **800.616.11** |

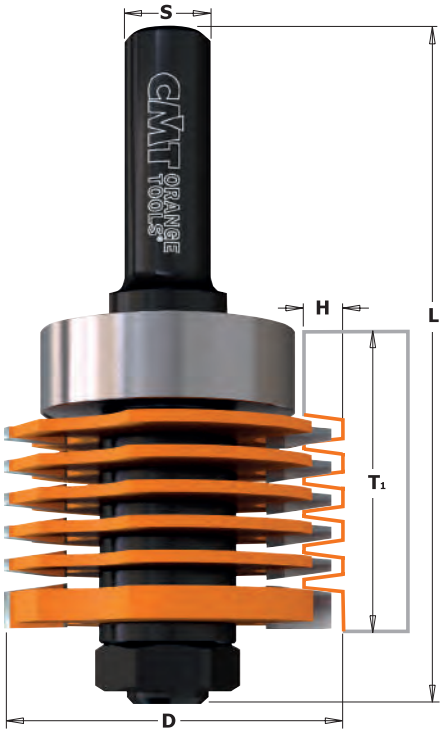
*Spare parts*

| | | | |
|---|---|---|---|
| 924.130.00 | 791.027.00 | 822.340.11 | 990.020.00 |
| 824.130.00 | 791.027.00 | 822.340.11 | 990.020.00 |

*Spare parts:* **541.515.00** 0.1mm spacer
**541.519.00** 5.8mm spacer
**990.403.00** 1.6mm washer
**990.459.00** Kit with spacers

*Optional:* **791.020.00** Ø38.1mm bearing (for depth 4.75mm)
**791.029.00** Ø34.9mm bearing (for depth 6.35mm)
**791.015.00** Ø31.7mm bearing (for depth 8mm)
**791.011.00** Ø19mm bearing (for depth 14.3mm)

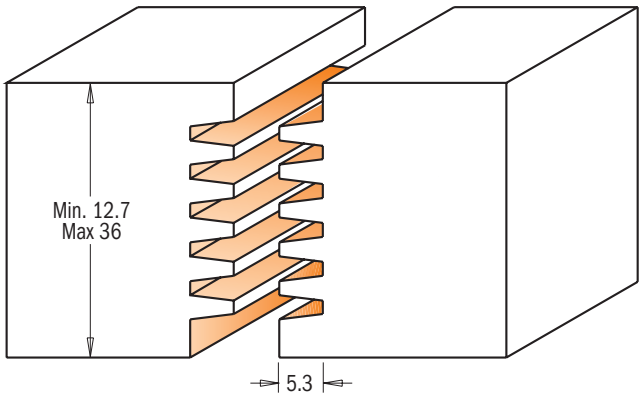
# Professional Finger Joint Bit




## 8/900.606

HW Z2 RH

This versatile finger joint bit is the perfect tool for making incredibly strong side-to-side or end-to-end joints in wood and in varying lengths from 12.7mm to 36mm.
The tightness and accuracy of the cut joint coupled with the maximum glue surface create a joint that is actually stronger than an unworked piece of wood.




Drawing is 1:1 scale

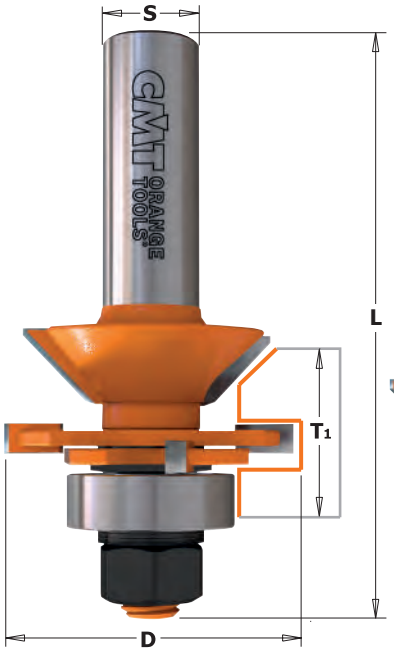
| T1 mm | D mm | H mm | L mm | | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|
| 12.7 - 36 | 47.6 | 5.3 | 97 | 10 | **900.606.11** | |
| 12.7 - 36 | 47.6 | 5.3 | 97 | 10 | | **800.606.11** |

*Spare parts*

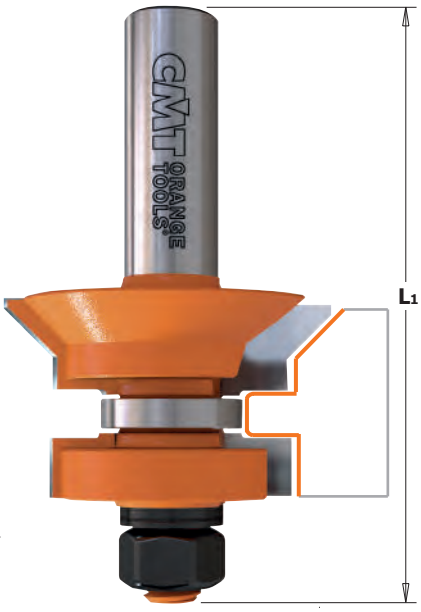
| | | 1.85mm | 5.5mm | |
|---|---|---|---|---|
| 924.129.00 | 791.028.00 | 822.005.11 | 822.006.11 | 990.022.00 |
| 824.129.00 | 791.028.00 | 822.005.11 | 822.006.11 | 990.022.00 |

*Spare parts:* **541.511.00** 3mm spacer
**541.512.00** 2mm spacer
**541.526.00** 0.1mm spacer
**990.458.00** Kit with spacer

# V-Tongue & Groove Set



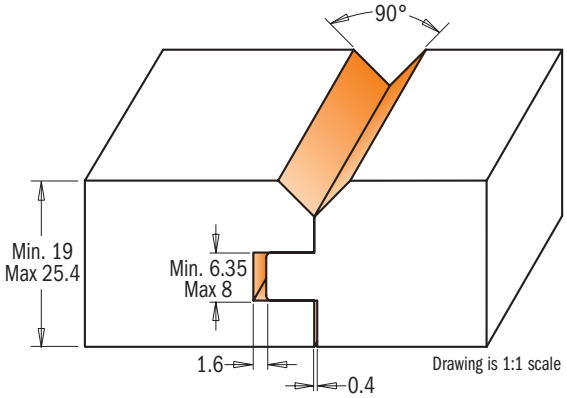

## 8/955.506




HW | α | Z2 | RH

If the standard selection of moulding and mill work you find in today's lumber shops isn't satisfactory to your woodworking tastes, then consider CMT's moulding system instead. With these bits, you can make dozens of elaborate profiles by combining two or more passes. Avoid the average and create your own mouldings. Some initial suggestions are illustrated below.

**SAFETY TIPS:** use these bits with a fence. The profiles shown below are milled from heavy stock then refined to the desired shape.



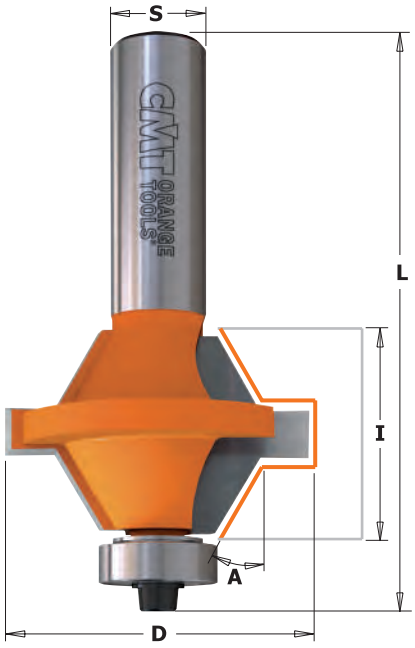

| D mm | T1 mm | L mm | L1 mm | | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|
| 44.4 | 19÷25.4 | 75.5 | 78.5 | 10 | **955.506.11** | **855.506.11** |

*Spare parts*

| 8mm | 4mm | 19mm | 22mm | |
|---|---|---|---|---|
| 822.013.11 | 822.014.11 | 791.011.00 | 791.005.00 | 990.020.00 |

*Spare parts:* **541.515.00** 0.1mm spacer
**541.516.00** 0.3mm spacer
**541.517.00** 0.5mm spacer
**990.407.00** Shield

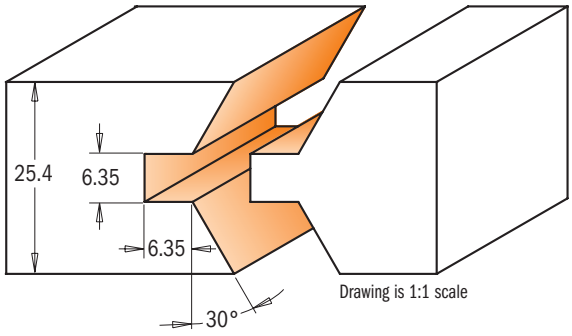
# Edge Banding Bits Set

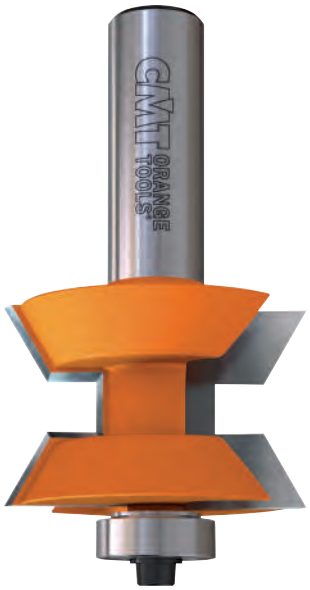



## 8/955.510

HW | α | Z2 | RH

This is a great set to create cost-effective, yet attractive durable edges to your cabinet doors. For use with 12.7mm or 25.4mm thick panels in plywood or MDF. Easy to use: center each cutter on the stock and make the cut; glue the two pieces together; flush trim after assembly, if necessary. The set features a 60° angle tongue & groove with an ample surface area for glue application.

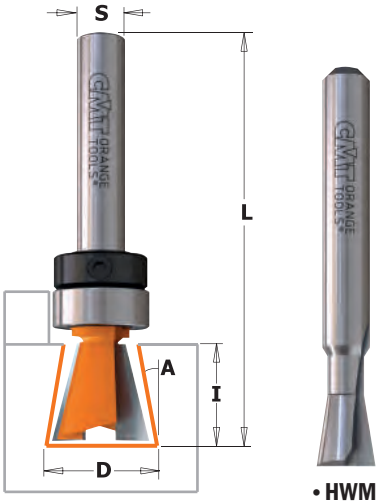


| D mm | I mm | A | L mm | | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|
| 40 | 25.4 | 30° | 74.5 | 5 | **955.510.11** | **855.510.11** |

*Spare parts*

| | | | |
|---|---|---|---|
| 990.423.00 | 791.018.00 | 990.058.00 | 991.057.00 |




• HWM

# 7/8/918 - 7/818B

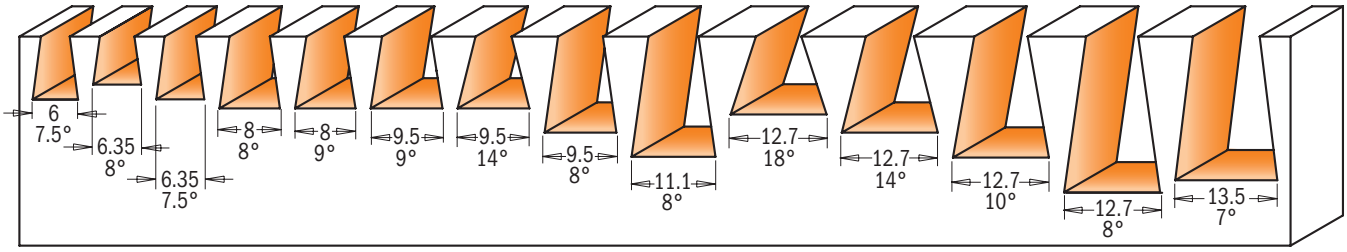
HWM HW α Z2 RH

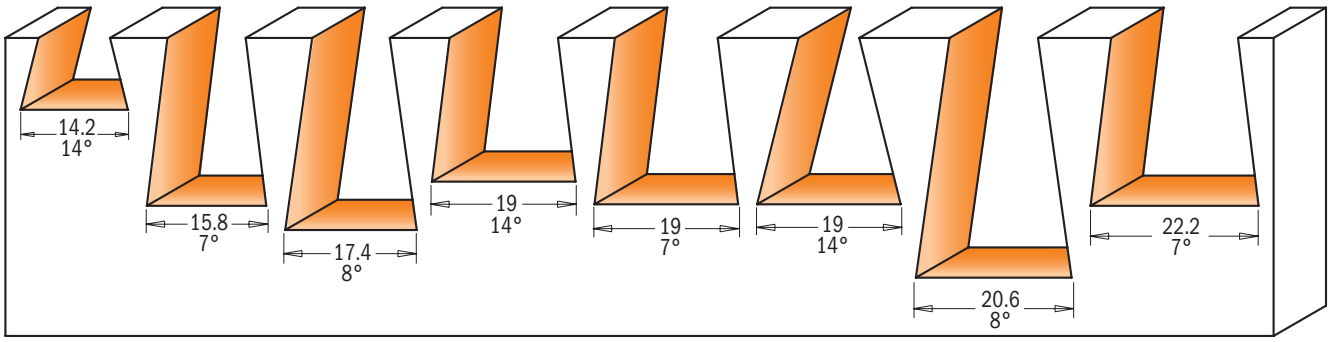
The beautifully crafted dovetail joint is a classic that appeals to both professionals and novices alike.

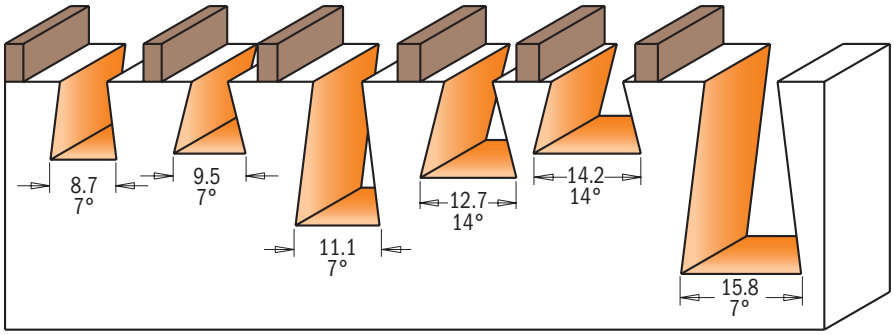
**SHOP TIPS:** Two passes are recommended when routing dovetails with a template. Check that the dovetails have been cut through completely and smoothly before removing the workpiece. For even easier routing and less stress on your dovetail bit, run the first pass with a straight bit. Use a dovetail on your router table equipped with a fence to achieve difficult chamfer angles.

**SAFETY TIPS: If the dovetail bit jams while working, adjust the position of the bit in the collet and ensure the cutting depth is appropriate. Do not lift the router out of the template.**

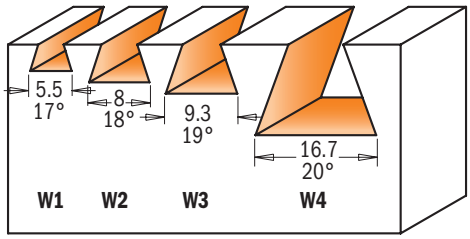
Drawing is 1:1 scale



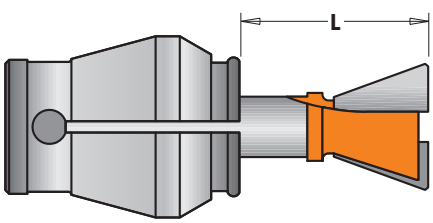




| Fit Manufacturer Model | ORDER NO. | |
|---|---|---|
| CMT-Enlock10 | | 818.098.11B |
| CMT-Enlock15 | 718.127.11B | 818.128.11B |
| CMT300 | 718.127.11 | 818.128.11 |
| | 918.127.11 | 818.628.11 |




FIT HOFFMANN® KEYS




| Manufacturer/Model FIT HOFFMANN® KEYS | ORDER NO. | |
|---|---|---|
| W1 L=16mm | 718.053.11 | 818.053.11 |
| W2 L=17.5mm | 718.079.11 | 818.079.11 |
| W3 L=19mm | 718.093.11 | 818.093.11 |
| W4 L=25mm | 918.167.11 | |



® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

CMT ORANGE TOOLS®

## 7/8/918

| D mm | I mm | L mm | A | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|---|
| •6 | 8.3 | 60 | 7.5° | 10 | 718.060.11 | | | | |
| •6.35 | 6.35 | 50.8 | 8° | 10 | | 818.065.11 | | | |
| •6.35 | 8.3 | 63.5 | 7.5° | 10 | | 818.064.11 | | | 818.564.11 |
| •8 | 9.5 | 54 | 8° | 10 | | 818.081.11 | | | |
| •8 | 9.5 | 52.5 | 9° | 10 | | 818.080.11 | | | |
| •8 | 9.5 | 63.5 | 9° | 10 | | | | | 818.580.11 |
| •9.5 | 9.5 | 60.3 | 14° | 10 | | 818.098.11 | | | |
| 9.5 | 9.5 | 52.5 | 9° | 10 | 718.095.11 | 818.096.11 | 918.095.11 | | |
| 9.5 | 9.5 | 63.5 | 9° | 10 | | | | | 818.596.11 |
| 9.5 | 12.7 | 60.3 | 8° | 10 | | 818.097.11 | | | |
| 11.1 | 15.9 | 60.3 | 8° | 10 | | 818.111.11 | | | |
| 12.7 | 10.3 | 60.3 | 18° | 10 | | 818.132.11 | | | |
| 12.7 | 12.7 | 52.4 | 14° | 10 | 718.127.11 | 818.128.11 | 918.127.11 | | |
| 12.7 | 12.7 | 63.5 | 14° | 10 | | | | | 818.628.11 |
| 12.7 | 12.7 | 62 | 14° | 10 | | 818.130.11 | | | |
| 12.7 | 16 | 60.3 | 10° | 10 | | 818.133.11 | | | |
| 12.7 | 20.6 | 69.8 | 8° | 10 | | 818.129.11 | 918.129.11 | | |
| 13.5 | 19.05 | 61.5 | 7° | 10 | | | | | 818.635.11 |
| 14.2 | 9.5 | 50.8 | 14° | 10 | | 818.142.11 | | | |
| 15.8 | 22 | 60.3 | 7° | 10 | 718.158.11 | 818.158.11 | 918.158.11 | | |
| 15.8 | 22 | 66.7 | 7° | 10 | | | | 918.658.11 | 818.658.11 |
| 17.4 | 25.4 | 77.6 | 8° | 10 | | | | | 818.674.11 |
| 19 | 19 | 77.6 | 14° | 10 | | | | | 818.691.11 |
| 19 | 22 | 60.3 | 7° | 10 | 718.190.11 | 818.190.11 | 918.190.11 | | |
| 19 | 22 | 66.7 | 7° | 10 | | | | 918.690.11 | 818.690.11 |
| 19 | 22 | 60.3 | 14° | 10 | | 818.191.11 | | | |
| 20.6 | 31.7 | 84.1 | 8° | 10 | | | | | 818.706.11 |
| 22.2 | 22.2 | 69.8 | 7° | 10 | | | | | 818.722.11 |
| **WITH TOP BEARING** | | | | | | | | | |
| 8.73 | 10.3 | 58 | 7° | 10 | | 818.087.11B | | | |
| •9.5 | 9.5 | 60.3 | 14° | 10 | | 818.098.11B | | | |
| 11.1 | 19 | 66.7 | 7° | 10 | | 818.113.11B | | | |
| 12.7 | 12.7 | 52.4 | 14° | 10 | 718.127.11B | 818.128.11B | | | |
| 14.2 | 9.5 | 50.8 | 14° | 10 | | 818.142.11B | | | |
| **WITH TOP BEARING (SHANK=Ø9.5mm)** | | | | | | | | | |
| 15.8 | 25.4 | 68.3 | 7° | 10 | | | 818.159.11B | | |
| **FIT HOFFMANN® KEYS** | | | | | | | | | |
| •5.5 | 4 | 43 | 17° | 10 | 718.053.11 | 818.053.11 | | | |
| •8 | 6 | 43 | 18° | 10 | 718.079.11 | 818.079.11 | | | |
| •9.3 | 7.3 | 43 | 19° | 10 | 718.093.11 | 818.093.11 | | | |
| 16.7 | 12.5 | 49 | 20° | 10 | | | 918.167.11 | | |

*Spare parts:* **990.005.00** M3x3mm TSEI screw
**991.056.00** 1.5mm hex key

• **HWM**

*Spare parts*

| | |
|---|---|
| 791.009.00 | 541.001.00 |
| 791.010.00 | 541.001.00 |
| 791.009.00 | 541.001.00 |
| 791.010.00 | 541.001.00 |
| 791.010.00 | 541.001.00 |
| | |
| 791.021.00 | 541.006.00 |

### A FEW OF THE BEAUTIFUL DOVETAIL JOINTS YOU CAN PRODUCE USING CMT BITS

THROUGH DOVETAIL

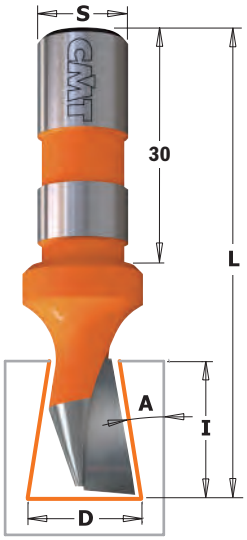
HALF-BLIND DOVETAIL

VARIABLE-SPACED DOVETAIL

SLIDING DOVETAIL

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

# 9° Dovetail Cutters

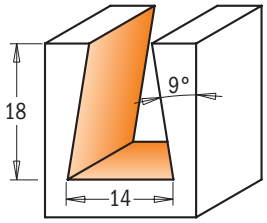



## 522

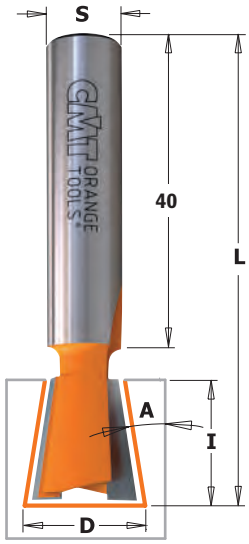
HW | Z1 | RH

| D mm | I mm | L mm | A | S mm | | ORDER NO. Right-hand rotation |
|---|---|---|---|---|---|---|
| 14 | 18 | 60 | 9° | 12 | 10 | **522.140.11** |

**TECHNICAL DETAILS:**
- Strength steel.
- 1 HW precision ground cutting edge [Z1].



Drawing is 1:1 scale

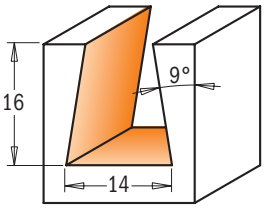



## 523

HW | Z2 | RH

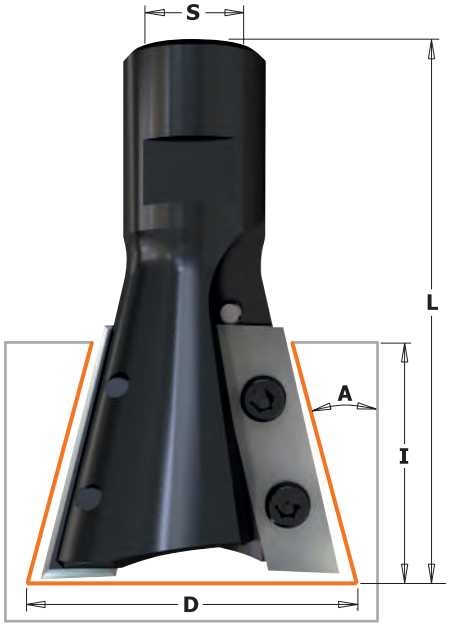
| D mm | I mm | L mm | A | S mm | | ORDER NO. Right-hand rotation |
|---|---|---|---|---|---|---|
| 14 | 16 | 60 | 9° | 10 | 10 | **523.140.11** |

**TECHNICAL DETAILS:**
- Strength steel.
- 2 HW precision ground cutting edges [Z2].



Drawing is 1:1 scale

# 15° Dovetail Cutter with Insert Knives for Roof-Frames




## 664

INSERT CARBIDE | Z2 | RH | 2X CUTTING

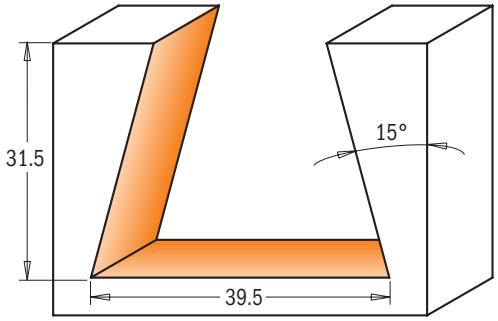
| D mm | I mm | L mm | A | S mm | | ORDER NO. Right-hand rotation |
|---|---|---|---|---|---|---|
| 39.5 | 31.5 | 66 | 15° | M12x1 | 1 | **664.395.11** |

**TECHNICAL DETAILS:**
- Strength steel.
- 2 HWM precision insert knives [Z2].

**APPLICATION:**
This cutter allows you to assemble roof-frames by dovetailing.

*Spare parts*

| | | |
|---|---|---|
| 790.315.00 | 990.076.00 | 991.061.00 |

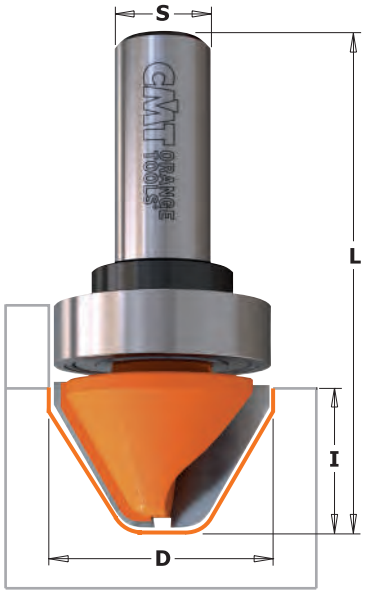


Drawing is 1:1 scale

**SAFETY TIPS**

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

# 60° Lettering Bit

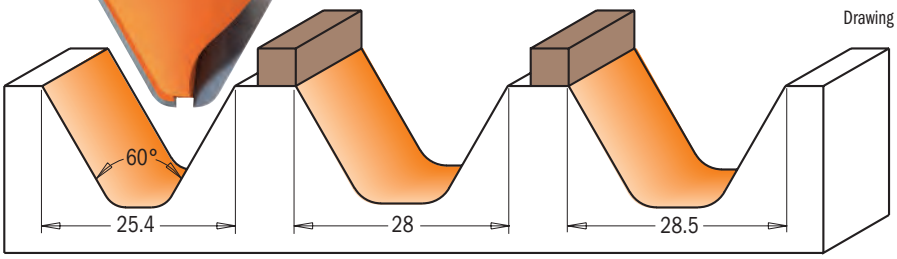



## 8/949B

## 7/8/949

The ideal bit for engraving in wood, CMT designed this bit to make attractive signage without running the risk of splitting or chipping. Especially useful for letter carving in relief. A flattened bottom makes relief letter-making easy and accurate. This exclusive design allows you to efficiently level off the area around the base of the letter and bevel the edges to eliminate splintering. Try our 60° angle lettering bit equipped with a top bearing guide to produce even more attractive decorative effects.

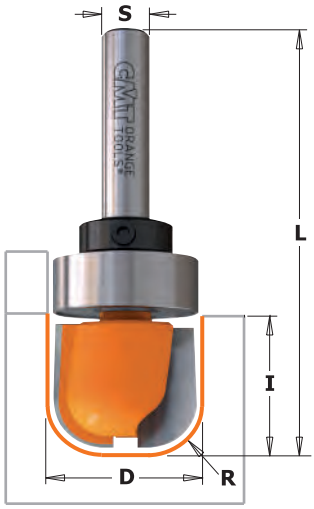
Drawing is 1:1 scale




| D mm | I mm | A | L mm | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm | Spare parts | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 25.4 | 19 | 60° | 50.8 | 10 | **749.001.11** | **849.001.11** | | | | | |
| 28 | 19 | 60° | 63.5 | 10 | | | **949.502.11** | | | | |
| 28.5 | 19 | 60° | 63.5 | 10 | | | | **849.501.11** | | | |
| WITH TOP BEARING | | | | | | | | | | | |
| 28 | 19 | 60° | 63.5 | 10 | | | **949.502.11B** | | 791.026.00 | 541.005.00 | 991.056.00 |
| 28.5 | 19 | 60° | 63.5 | 10 | | | | **849.501.11B** | 791.027.00 | 541.002.00 | 991.056.00 |

***Spare parts:*** **990.005.00** M3x3mm STEI screw

# Bowl & Tray Bits



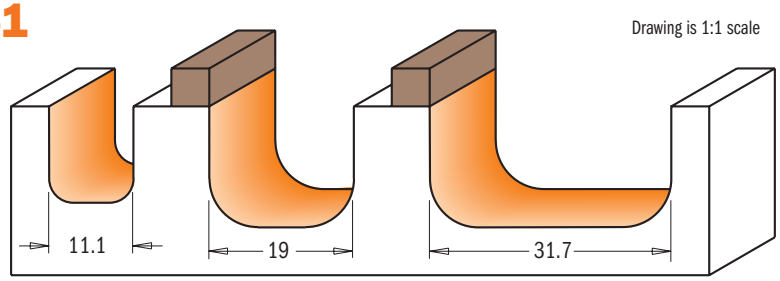

## 7/8/951B

## 7/8/951

This CMT bit is ideal for making bowls, trays, boxes, cutting boards or any other specialty or craft item. The round corner of the bit shapes the inner radius while the sides and bottom create the smooth flat surfaces. We recommend using a top bearing for accurate and easy pattern work.

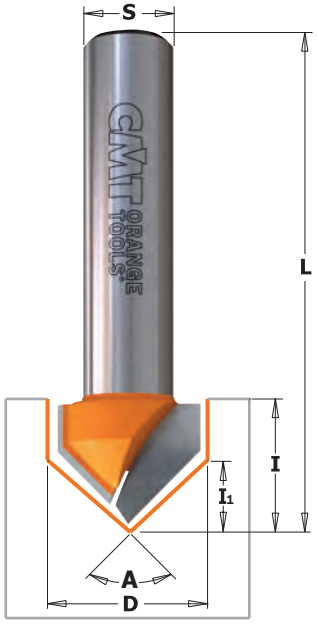
**TIPS:** use these bits on a table router with bearing guide for decorative edgework.

Drawing is 1:1 scale




| D mm | I mm | R mm | L mm | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm | Spare parts | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11.1 | 12.7 | 3.2 | 45.5 | 10 | | **851.001.11** | | | | | | |
| 19 | 16 | 6.4 | 54 | 10 | **751.002.11** | **851.002.11** | **951.002.11** | | | | | |
| 19 | 16 | 6.4 | 60.4 | 10 | | | | **951.501.11** | **851.501.11** | | | |
| 31.7 | 16 | 6.4 | 60.4 | 10 | | | | **951.502.11** | **851.502.11** | | | |
| WITH TOP BEARING | | | | | | | | | | | | |
| 19 | 16 | 6.4 | 54 | 10 | **751.002.11B** | | | | | 791.007.00 | 541.003.00 | 991.056.00 |
| 19 | 16 | 6.4 | 54 | 10 | | **851.002.11B** | | | | 791.004.00 | 541.001.00 | 991.056.00 |
| 19 | 16 | 6.4 | 60.4 | 10 | | | | | **851.501.11B** | 791.011.00 | 541.002.00 | 991.056.00 |
| 31.7 | 16 | 6.4 | 60.4 | 10 | | | | **951.502.11B** | **851.502.11B** | 791.015.00 | 541.002.00 | 991.056.00 |

***Spare parts:*** **990.005.00** M3x3mm STEI screw

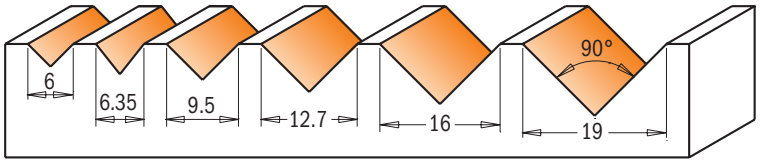



# 7/8/915

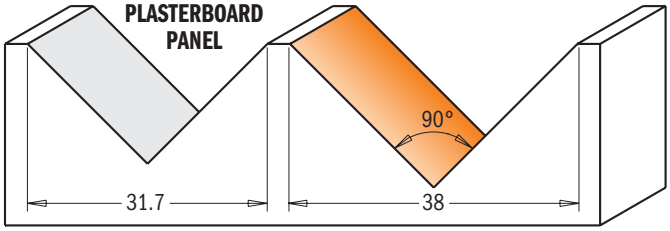
HWM HW Z2 RH

These double cutting edge CMT bits offer an almost endless range of woodworking possibilities. Make clean, perfect cuts in panels, drawer fronts or even plasterboard panels; chamfer edges or engrave beautiful lettering.

**TIPS:** these bits perfectly chamfer at 45° angles (Two tools in one).




Drawing is 1:1 scale




| D mm | I mm | I1 mm | A | L mm | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|---|---|
| •6 | 8 | 3 | 90° | 46 | 10 | **715.060.11** | | **915.060.11** | | |
| •6.35 | 8 | 3.18 | 90° | 38.1 | 10 | | **815.064.11** | | | |
| 9.5 | 12.7 | 4.75 | 90° | 44.5 | 10 | **715.095.11** | **815.095.11** | **915.095.11** | | |
| 12.7 | 12.7 | 6.35 | 90° | 44.5 | 10 | **715.127.11** | **815.127.11** | **915.127.11** | | |
| 16 | 12.7 | 8 | 90° | 52.8 | 10 | | | **915.160.11** | | |
| 16 | 12.7 | 8 | 90° | 63.5 | 10 | | | | **915.660.11** | **815.660.11** |
| 19 | 16 | 9.5 | 90° | 55.5 | 10 | **715.190.11** | | | | |
| 19 | 16 | 9.5 | 90° | 63.5 | 10 | | | | **915.690.11** | **815.690.11** |
| 31.7 | 19 | 15.88 | 90° | 63.5 | 10 | | | **915.317.11** | **915.817.11** | **815.817.11** |
| 38 | 28.5 | 19 | 90° | 63.5 | 10 | | | **915.380.11** | | |
| 38 | 28.5 | 19 | 90° | 70 | 10 | | | | | **815.880.11** |

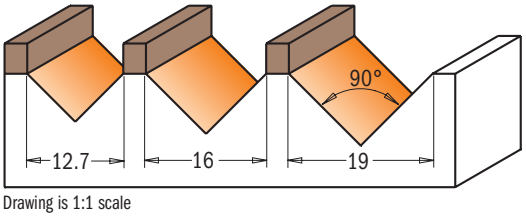
**• HWM**

# 7/8/915B

HW Z2 RH

In addition, CMT has versatile top bearing bits that allow for several template options of your choice (see series **715B-815B-915B**).

**TIPS:** these bits perfectly chamfer at 45° angles (two tools in one).



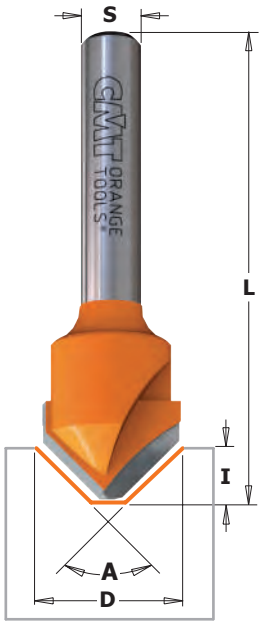

Drawing is 1:1 scale

| D mm | I mm | I1 mm | A | L mm | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|---|
| 12.7 | 12.7 | 6.35 | 90° | 44.5 | 10 | | **815.127.11B** | | |
| 16 | 12.7 | 8 | 90° | 52.8 | 10 | | | **915.160.11B** | |
| 19 | 16 | 9.5 | 90° | 55.5 | 10 | **715.190.11B** | | | |
| 19 | 16 | 9.5 | 90° | 63.5 | 10 | | | | **815.690.11B** |

*Spare parts*

| | | |
|---|---|---|
| 791.010.00 | 541.001.00 | 991.056.00 |
| 791.025.00 | 541.004.00 | 991.056.00 |
| 791.007.00 | 541.003.00 | 991.056.00 |
| 791.011.00 | 541.002.00 | 991.056.00 |

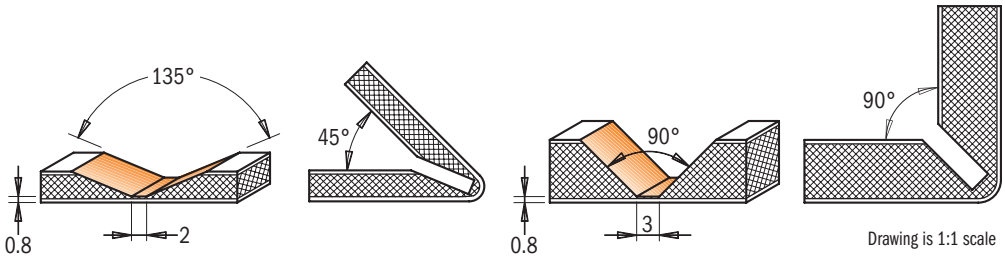
***Spare parts:*** **990.005.00** M3x3mm STEI screw




## 7/8/915

HW Z2 RH

ALUCOBOND® panels are an aluminium composite material that can be shaped using a very simple processing method. This technique referred to as the 'routing and folding' method which means paneling can be manipulated to form a variety of shapes and sizes. The advantages of this unique technique are:
- Low investment cost
- Simple fabrication technique
- Folding can be done on site, saving transportation costs
- Low-cost fabrication of shaped components, wall cladding, roof edgings, column cladding, flashings, etc.
- Flexibility in creating shapes
- Very cost effective
- Shapes are not limited by machine capacity.




Drawing is 1:1 scale

| D mm | I mm | A | L mm | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | | |
|---|---|---|---|---|---|---|---|---|---|
| 18 | 7.4 | 90° | 60 | 10 | **715.001.11** | **815.001.11** | **915.001.11** | | |
| 18 | 3.3 | 135° | 60 | 10 | **715.002.11** | **815.002.11** | **915.002.11** | | |

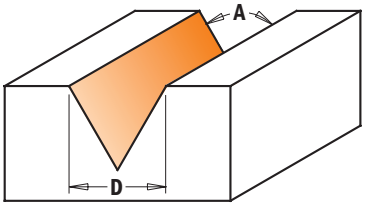
## Laser Point Bit

**7/858.002**
• **HWM**

## 7/8/958

HWM HW Z1 Z2 Z3 RH

This bit crafts delicate grooves and incisions with laser precision. Make one-of-a-kind effects with 30° bevel edges in one single run. Equipped with three super sharp cutting edges, this perfectly balanced bit allows you to work with incredible accuracy with no risk of burning. Raise the bit and produce a delicate fine point incision, or work the whole 12.7mm diameter to render bold highlighted lettering. Super strong steel shank and micrograin carbide cutting edges guarantee long lasting performance.




Drawing is 1:1 scale

**8/958.003**

| D mm | I mm | A | Z | L mm | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|---|---|
| •6 | 9 | 35° | 1 | 50 | 10 | **758.002.11** | | | | |
| •6.35 | 9.5 | 35° | 1 | 50.8 | 10 | | **858.002.11** | | | |
| 12.7 | 11 | 60° | 3 | 57.2 | 10 | **758.001.11** | **858.001.11** | **958.001.11** | | |
| 12.7 | 11 | 60° | 3 | 60.3 | 10 | | | | | **858.501.11** |
| 12.7 | 10 | 60° | 2 | 50.8 | 10 | | **858.003.11** | **958.003.11** | | |

• **HWM**

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

## 665

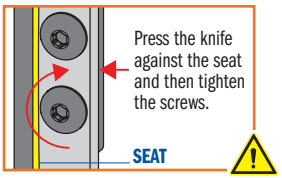
These bits have been designed for signmaking and lettering. When the insert shows signs of wear, you can simply rotate it to exploit the other cutting edges. A locking screw secures the insert tightly for added safety and extreme cutting accuracy.

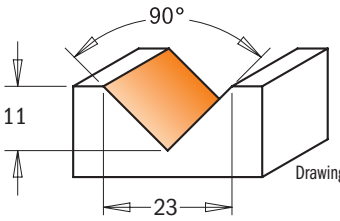
**TECHNICAL DETAILS:**
- Strength steel.
- 1 HW precision insert knife [Z1].

**SAFETY TIPS**

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

**CORRECT KNIFE POSITIONING**



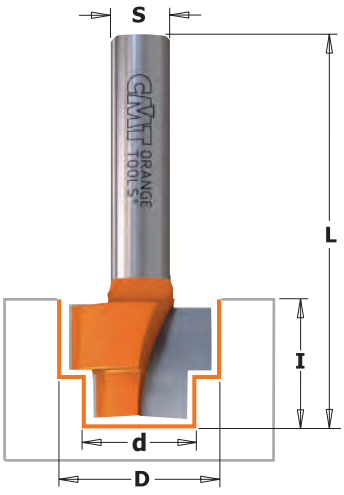

Drawing is 1:1 scale

| A | D mm | I mm | L mm | | | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | |
|---|---|---|---|---|---|---|---|---|
| 90° | 23 | 11 | 60 | 10 | | 665.201.11 | 665.200.11 | |

*Spare parts*

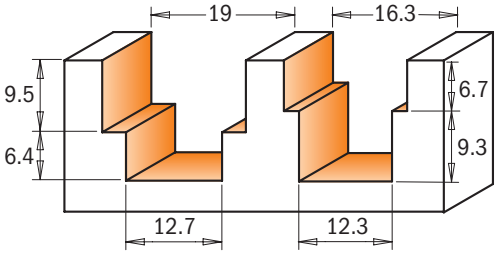
| | | |
|---|---|---|
| 790.280.00 | 990.093.00 | 991.073.00 |

## Stepped Rebate Bit




## 965

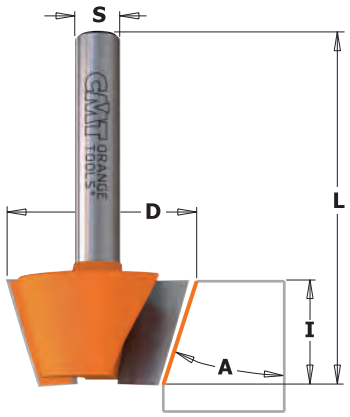
Router bit featuring 2 carbide-tipped cutting edges for producing double rebates on wood and wood composites. Designed for accepting library/bookcase shelving strips or for accommodating hardware into your window slots.




Drawing is 1:1 scale

| d mm | D mm | I mm | L mm | | | | ORDER NO. S=Ø8mm | | |
|---|---|---|---|---|---|---|---|---|---|
| 12.3 | 16.3 | 16 | 80 | 10 | | | 965.122.11 | | |
| 12.7 | 19 | 15.9 | 50.8 | 10 | | | 965.121.11 | | |

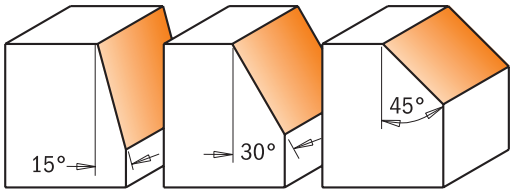
# Chamfer Bits




## 703/4/5 - 903/4/5

HW | Z2 | RH

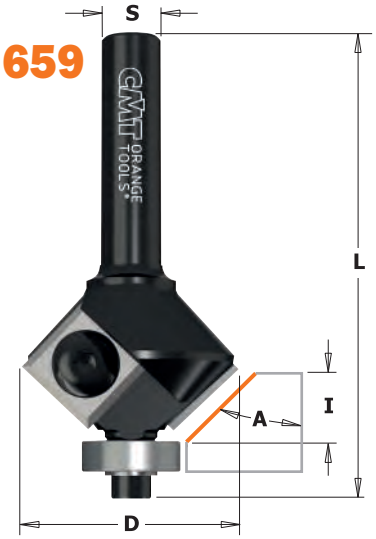
From a gently beveled edge to decorative chamfers in a variety of materials, CMT offers smooth results. Deeper cutting length means greater versatility on all bevel dimensions.




Drawing is 1:1 scale

| A | D mm | I mm | L mm | | ORDER NO. S=Ø6mm | | ORDER NO. S=Ø8mm | | |
|---|---|---|---|---|---|---|---|---|---|
| 15° | 24 | 14 | 46 | 10 | **703.240.11** | | **903.240.11** | | |
| 30° | 26 | 12.7 | 44.5 | 10 | **704.240.11** | | **904.240.11** | | |
| 45° | 25 | 8 | 41 | 10 | **705.240.11** | | **905.240.11** | | |

# Chamfer Bits with Insert Knives




## 659

## 658

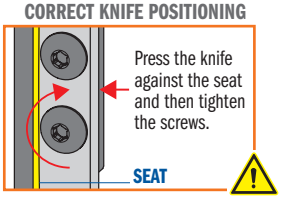
INSERT CARBIDE | Z2 | RH | 4X CUTTING

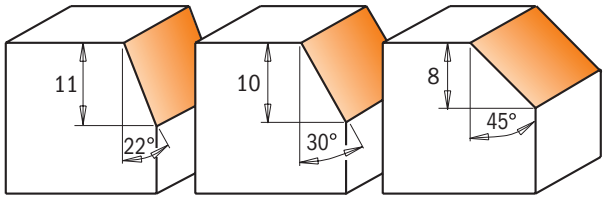
Chamfer trim bits feature two replaceable knives fixed by special TORX® screws. The knives are sharpened on all sides and can be resharpened up to three times. For slight bevelled edges or decorative edgework in a variety of materials. Equipped with bearing guides with no need for counterprofiles. For use on portable routers.

**SAFETY TIPS**

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

**CORRECT KNIFE POSITIONING**




Drawing is 1:1 scale

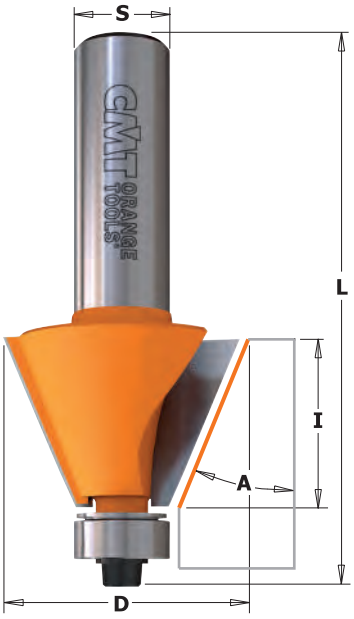
| A | D mm | I mm | L mm | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|
| 45° | 29 | 8 | 52 | 10 | **658.047.11** | | **658.045.11** | |
| 22° | 25 | 11 | 65 | 10 | **659.024.11** | **659.023.11** | **659.022.11** | |
| 30° | 28 | 10 | 66 | 10 | **659.032.11** | **659.031.11** | **659.030.11** | |
| 45° | 29 | 8 | 60 | 10 | **659.047.11** | **659.046.11** | **659.045.11** | |
| 45° | 29 | 8 | 68 | 10 | | | | **659.646.11** |

*Spare parts*

| | | |
|---|---|---|
| 790.120.00 | 990.075.00 | |
| 790.120.00 | 990.075.00 | 791.006.00 |
| 790.120.00 | 990.075.00 | 791.006.00 |
| 790.120.00 | 990.075.00 | 791.022.00 |
| 790.120.00 | 990.075.00 | 791.022.00 |

*Spare parts:*
**990.400.00** Ø3.2/Ø7mm shield for M3 screw
**990.051.00** M3x6mm TCEI screw
**991.062.00** 2.5mm hex key
**991.061.00** T15 TORX® key

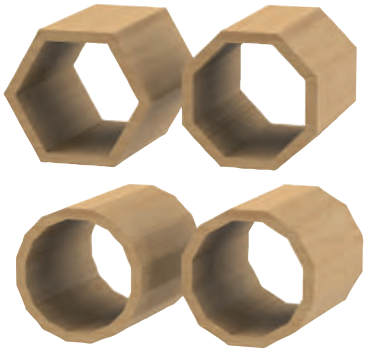
® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

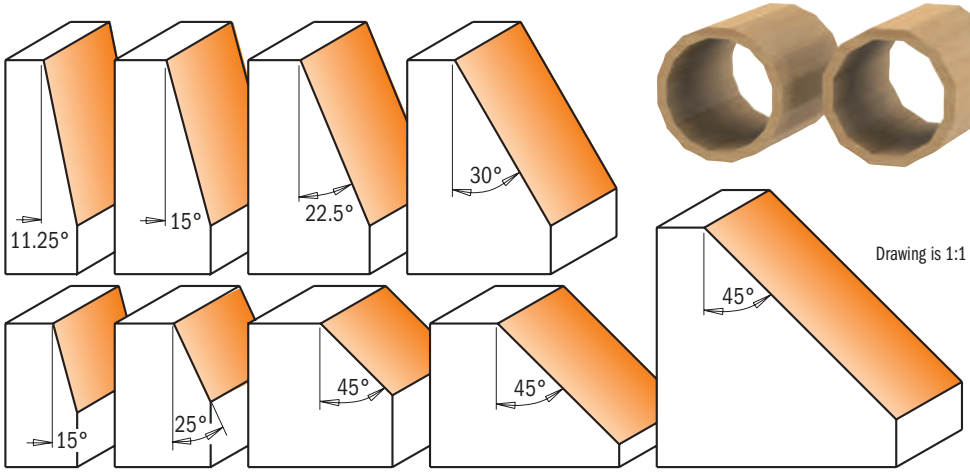



# 7/8/936 - 8/957

HW | α | Z2 | RH

CMT chamfer bits can cut clean, accurate bevels and chamfers and are great for edge work or for making perfectly aligned multi-sided containers, boxes and other decorative projects. See illustration below for examples. Can be used for working larger scale projects such as beams and columns with excellent results.






Drawing is 1:1 scale

| A | D mm | I mm | L mm | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|---|
| 15° | 19 | 11.5 | 54.9 | 10 | **736.130.11** | **836.130.11** | **936.130.11** | | |
| 25° | 22.2 | 10 | 54.9 | 10 | **736.190.11** | **836.190.11** | **936.190.11** | | |
| 45° | 31.7 | 9.5 | 53 | 10 | **736.280.11** | **836.280.11** | **936.280.11** | | |
| 45° | 45 | 18 | 60.2 | 10 | **736.420.11** | **836.420.11** | **936.420.11** | | |
| 45° | 45 | 18 | 66.5 | 10 | | | | **936.920.11** | **836.920.11** |
| 45° | 65 | 26 | 76.7 | 5 | | | | **936.950.11** | **836.950.11** |
| 11.25° | 21.5 | 22 | 71.1 | 10 | | | | **957.504.11** | **857.504.11** |
| 15° | 24.5 | 22 | 71.1 | 10 | | | | **957.503.11** | **857.503.11** |
| 22.5° | 31 | 22 | 71.1 | 10 | | | | **957.502.11** | **857.502.11** |
| 30° | 38.5 | 22 | 71.1 | 10 | | | | **957.501.11** | **857.501.11** |

*Spare parts*

| | | | |
|---|---|---|---|
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |

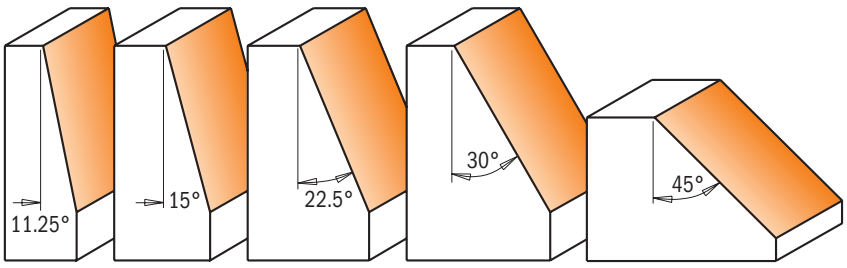
**SHOP TIPS:** After resharpening, replace bearing **791.003.11** (Ø12.7mm) with undersized bearing **791.063.00** (Ø12.5mm)

# Chamfer Set

## 836

HW | α | Z2 | RH

This set includes 5 anti-kickback carbide-tipped bits to make angled cuts and polygonal projects easier and more accurate in the most popular angles.




Drawing is 1:1 scale

| DESCRIPTION | | ORDER NO. S=Ø12.7mm |
|---|---|---|
| Chamfer Set | 5 | **836.501.11** |

**7/8/914B**

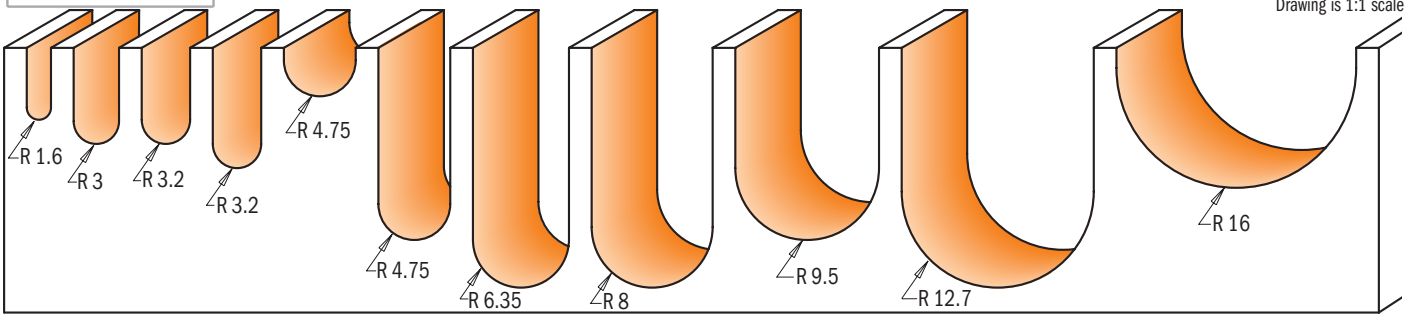
**7/8/914**

HWM HW Z1+1 Z2 RH

Personalize your doors, drawer fronts, panels or any surface with your own signature motif. CMT round nose bits in solid carbide featuring carbide tipped flutes let you create delicate and decorative accents in any wood or wood derivative.

**SHOP TIPS: more than one pass is recommended when making cove edges. To prevent splintering, begin with a shallow initial pass and deepen gradually. Never use pieces shorter than 600mm.**

Drawing is 1:1 scale




| R mm | D mm | I mm | L mm | Z | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|---|---|
| •1.6 | 3.2 | 9.5 | 50.8 | 2 | 10 | 714.032.11 | 814.032.11 | 914.032.11 | | |
| •1.6 | 3.2 | 12.7 | 50.8 | 2 | 10 | | 199.001.11 | | | |
| •3 | 6 | 12.7 | 50.8 | 2 | 10 | 714.060.11 | | 914.060.11 | | |
| •3 | 6 | 27 | 70 | 2 | 10 | 199.060.11 | | | | |
| •3.2 | 6.4 | 12.7 | 50.8 | 2 | 10 | | 814.064.11 | | | |
| •3.2 | 6.4 | 25.4 | 63.5 | 2 | 10 | | 199.008.11 | | | |
| •3.2 | 6.4 | 15.9 | 63.5 | 2 | 10 | | | | | 814.564.11 |
| •4 | 8 | 32 | 80 | 2 | 10 | | | 199.081.11 | | |
| 4.75 | 9.5 | 6.4 | 50.8 | 2 | 10 | 714.095.11 | 814.095.11 | 914.095.11 | | |
| 4.75 | 9.5 | 25.4 | 66.7 | 2 | 10 | | | | | 814.595.11 |
| •6 | 12 | 35 | 80 | 2 | 10 | | | | 199.120.11 | |
| 6.35 | 12.7 | 9.5 | 50.8 | 2 | 10 | 714.127.11 | 814.127.11 | 914.127.11 | | |
| 6.35 | 12.7 | 31.7 | 73 | 2 | 10 | | | | 914.627.11 | 814.627.11 |
| •6.35 | 12.7 | 31.7 | 76.2 | 2 | 10 | | | | | 199.505.11 |
| 8 | 15.8 | 9.5 | 50.8 | 2 | 10 | 714.160.11 | 814.160.11 | 914.160.11 | | |
| 8 | 15.8 | 31.7 | 73 | 2 | 10 | | | | | 814.660.11 |
| 9.5 | 19 | 11.3 | 50.8 | 2 | 10 | 714.190.11 | 814.190.11 | 914.190.11 | | |
| 9.5 | 19 | 25 | 63.5 | 2 | 10 | | | 914.191.11 | | |
| 9.5 | 19 | 25 | 63.5 | 1+1 | 10 | | | 914.192.11 | | |
| 9.5 | 19 | 31.7 | 73 | 2 | 10 | | | | 914.690.11 | 814.690.11 |
| 11 | 22 | 25.4 | 63.5 | 2 | 10 | | | 914.221.11 | | 814.721.11 |
| 11 | 22 | 25 | 63.5 | 1+1 | 10 | | | 914.222.11 | | |
| 12.7 | 25.4 | 16 | 58.8 | 2 | 10 | | | 914.254.11 | | |
| 12.7 | 25.4 | 31.7 | 73 | 2 | 10 | | | | 914.754.11 | 814.754.11 |
| 16 | 31.7 | 18.5 | 58.8 | 2 | 10 | | | | 914.817.11 | 814.817.11 |
| 19.05 | 38.1 | 31.7 | 69.8 | 2 | 10 | | | | 914.880.11 | 814.880.11 |
| 25.4 | 50.8 | 31.7 | 69.8 | 2 | 10 | | | | 914.990.11 | 814.990.11 |
| WITH TOP BEARING | | | | | | | | | | |
| 6.35 | 12.7 | 9.5 | 50.8 | 2 | 10 | | 814.127.11B | | | |
| 8 | 15.8 | 9.5 | 50.8 | 2 | 10 | | 814.160.11B | | | |
| 8 | 15.8 | 9.5 | 50.8 | 2 | 10 | | | 914.160.11B | | |
| 9.5 | 19 | 11.3 | 50.8 | 2 | 10 | 714.190.11B | | | | |
| 9.5 | 19 | 11.3 | 50.8 | 2 | 10 | | 814.190.11B | | | |
| 9.5 | 19 | 31.7 | 73 | 2 | 10 | | | | | 814.690.11B |

**199**

*Spare parts*

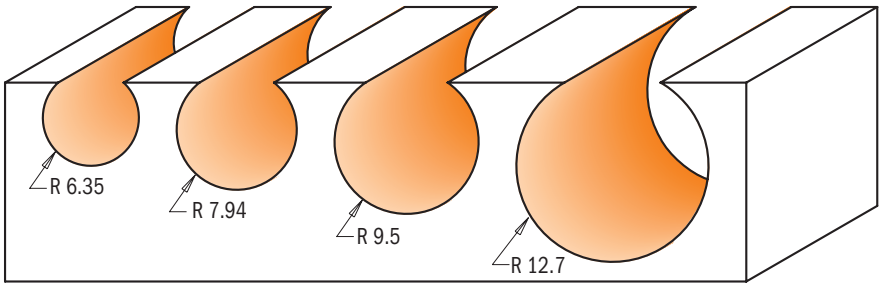
| | |
|---|---|
| 791.010.00 | 541.001.00 |
| 791.009.00 | 541.001.00 |
| 791.025.00 | 541.004.00 |
| 791.007.00 | 541.003.00 |
| 791.004.00 | 541.001.00 |
| 791.011.00 | 541.002.00 |

*Spare parts:* **990.005.00** M3x3mm TSEI screw **991.056.00** 1.5mm hex key • **HWM**

## 8/968

HW | α | Z2 | RH

Cut channels for pipes or cables in one single pass using CMT's ball end bits.
Reduce the stress on the bits by cutting a first groove with a straight bit.




Drawing is 1:1 scale

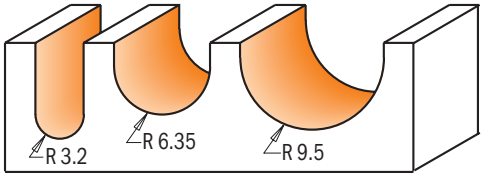
| R mm | D mm | I mm | L mm | | | | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|---|
| 6.35 | 12.7 | 11 | 57.15 | 10 | | | **968.127.11** | | **868.627.11** |
| 7.94 | 15.88 | 14.2 | 60.3 | 10 | | | **968.158.11** | | **868.658.11** |
| 9.53 | 19.05 | 17.4 | 63.5 | 10 | | | **968.190.11** | | **868.690.11** |
| 12.7 | 25.4 | 23.5 | 70 | 10 | | | | **968.754.11** | **868.754.11** |

## Round Nose Set

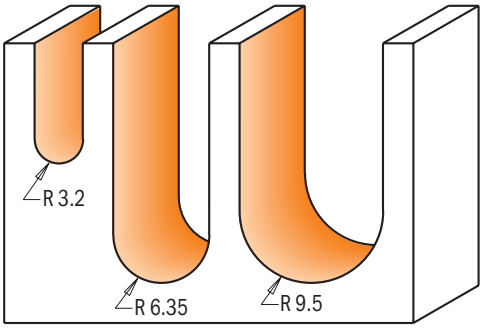
## 814

HWM | HW | α | Z2 | RH

Each of these sets include 3 of the most widely used CMT Round Nose bits. These solid carbide or carbide tipped bits are perfect for sign making, engraving, or adding flutes and veins to doors or drawer fronts. Available in 6.35mm and 12.7mm shanks.



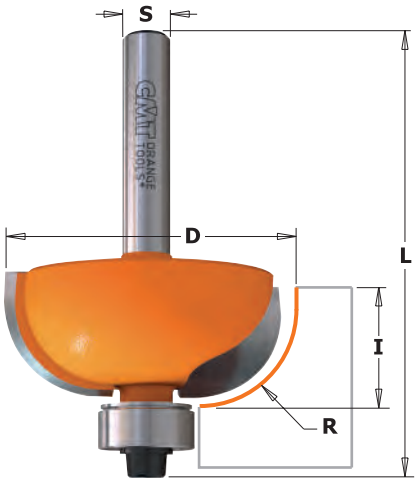

**814.001.11**




**814.501.11**

Drawing is 1:1 scale

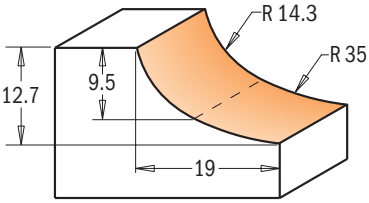
| DESCRIPTION | | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|
| Round Nose Set | 5 | **814.001.11** | **814.501.11** |



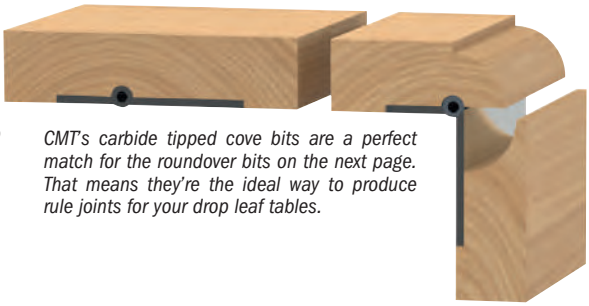

# 7/8/937

Make simple or elegant furniture, doors and drawer fonts by adding a final touch with CMT cove bits.

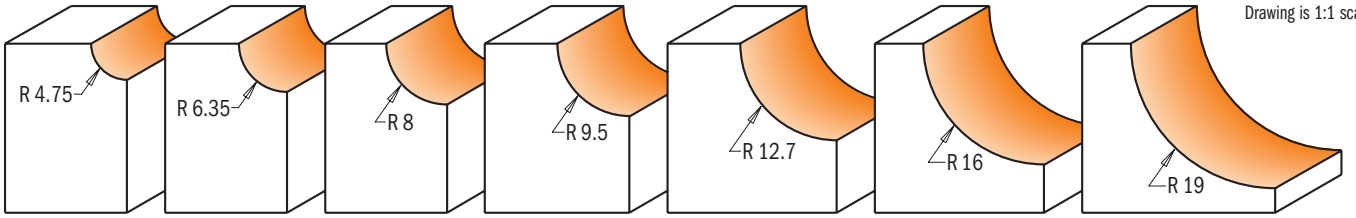
**TIPS:** rounded edges provide a very refined and elegant look.




**8/937.955.11**



*CMT's carbide tipped cove bits are a perfect match for the roundover bits on the next page. That means they're the ideal way to produce rule joints for your drop leaf tables.*




Drawing is 1:1 scale

| R mm | D mm | I mm | L mm | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|---|
| 4.75 | 22.2 | 12.7 | 54.9 | 10 | **737.190.11** | **837.190.11** | **937.190.11** | | |
| 4.75 | 22.2 | 12.7 | 61.2 | 10 | | | | **937.690.11** | **837.690.11** |
| 6.35 | 25.4 | 12.7 | 54.9 | 10 | **737.222.11** | **837.222.11** | **937.222.11** | | |
| 6.35 | 25.4 | 12.7 | 61.2 | 10 | | | | **937.722.11** | **837.722.11** |
| 8 | 28.7 | 12.7 | 54.2 | 10 | **737.254.11** | **837.254.11** | **937.254.11** | | |
| 8 | 28.7 | 12.7 | 60.5 | 10 | | | | **937.754.11** | **837.754.11** |
| 9.5 | 31.7 | 12.7 | 54.2 | 10 | **737.286.11** | **837.286.11** | **937.286.11** | | |
| 9.5 | 31.7 | 12.7 | 60.5 | 10 | | | | **937.786.11** | **837.786.11** |
| 12.7 | 38.1 | 15,5 | 57.7 | 10 | **737.350.11** | **837.350.11** | **937.350.11** | | |
| 12.7 | 38.1 | 15,5 | 64 | 10 | | | | **937.850.11** | **837.850.11** |
| 16 | 44.5 | 18.5 | 67 | 10 | | | | **937.950.11** | **837.950.11** |
| 19 | 50.8 | 22.2 | 70.7 | 10 | | | | **937.951.11** | **837.951.11** |
| 14.3-35 | 50.8 | 12.7 | 61.2 | 10 | | | | **937.955.11** | **837.955.11** |

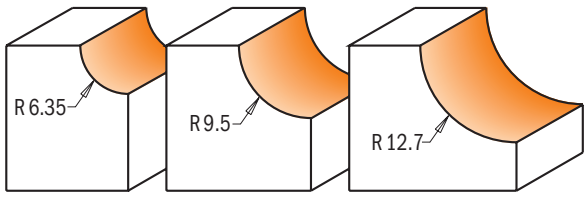
*Spare parts*

| | | | |
|---|---|---|---|
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |

## Cove Bit Set

# 837

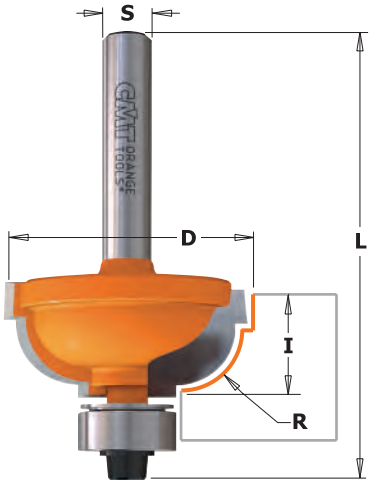
See simple furniture, doors and drawer fronts transform into elegant pieces by giving them a final touch with a CMT Cove Bit.
Available with 6.35mm-12.7mm shank and cove radii from 6.35mm - 9.5mm - 12.7mm.




Drawing is 1:1 scale

| DESCRIPTION | | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|
| Cove Bit Set | 5 | **837.001.11** | **837.501.11** |

# Cavetto Edge Mould Bits



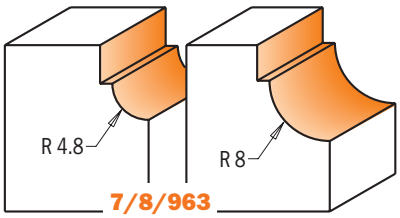

## 7/8/963 - 7/8/964

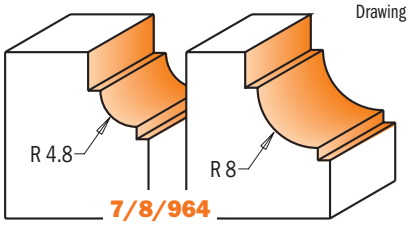
The cavetto bit cuts beautiful, traditional profiles, but you may also use just a portion of the bit to cut a more simple and cleaner cove edge.

**SAFETY TIPS:** poor assembly may lead to unscrewing and loss of the bearing during operation.

**SHOP TIPS:** after resharpening, replace bearing as follow:
**791.002.00** (Ø9.5mm) with undersized bearing **791.062.00** (Ø9.3mm)
**791.003.00** (Ø12.7mm) with undersided bearing **791.063.00** (Ø12.5mm)

Drawing is 1:1 scale



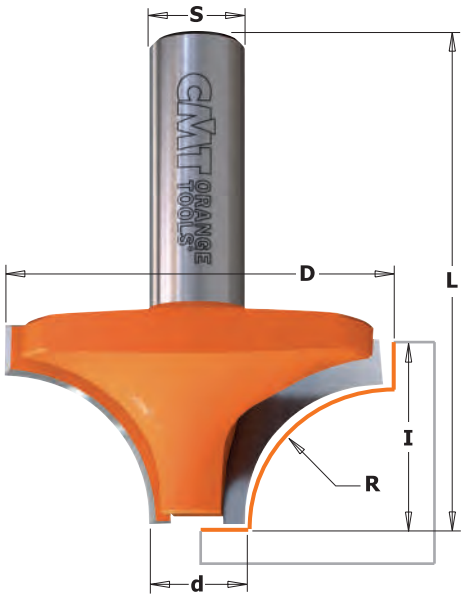




| R mm | D mm | I mm | L mm | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|---|
| 4.8 | 25.4 | 11.5 | 54.6 | 10 | **763.048.11** | **863.048.11** | **963.048.11** | | |
| 4.8 | 25.4 | 11.5 | 60.9 | 10 | | | | **963.548.11** | **863.548.11** |
| 8 | 31.7 | 14.3 | 56.9 | 10 | **763.080.11** | **863.080.11** | **963.080.11** | | |
| 8 | 31.7 | 14.3 | 63 | 10 | | | | **963.580.11** | **863.580.11** |
| 4.8 | 25.4 | 11.5 | 52.8 | 10 | **764.048.11** | | **964.048.11** | | |
| 4.8 | 25.4 | 11.5 | 59.1 | 10 | | | | **964.548.11** | **864.548.11** |
| 8 | 31.7 | 14.3 | 55.1 | 10 | **764.080.11** | **864.080.11** | **964.080.11** | | |
| 8 | 31.7 | 14.3 | 61 | 10 | | | | **964.580.11** | **864.580.11** |

*Spare parts*

| | | | |
|---|---|---|---|
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 990.422.00 | 791.002.00 | 990.058.00 | 991.057.00 |
| 990.422.00 | 791.002.00 | 990.058.00 | 991.057.00 |
| 990.422.00 | 791.002.00 | 990.058.00 | 991.057.00 |
| 990.422.00 | 791.002.00 | 990.058.00 | 991.057.00 |

# Ovolo Bits

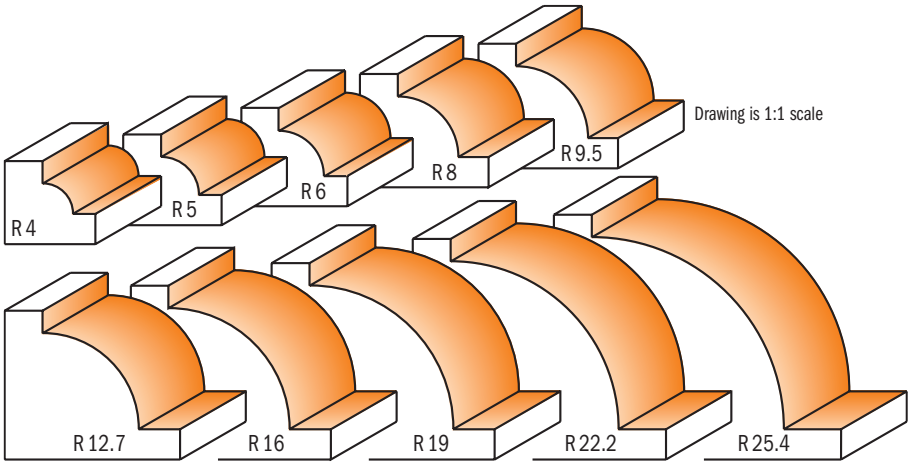



## 7/8/927

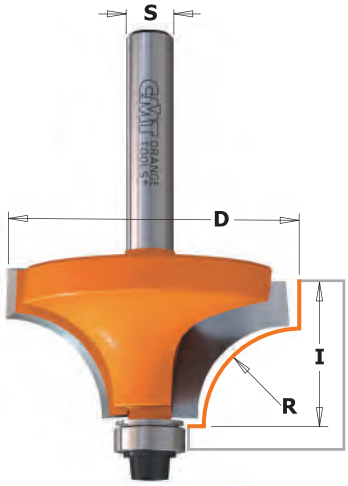
The perfect bit for furniture makers, the CMT ovolo allows you to make beautiful beadwork, edgework and veins as well as a wide variety of single and double bead profiles and roundovers.

**SAFETY TIPS: pay particular attention to never rush the job when using a large profile bit. Mill pieces with a fence mounted on the work table to ensure maximum protection.**

Drawing is 1:1 scale

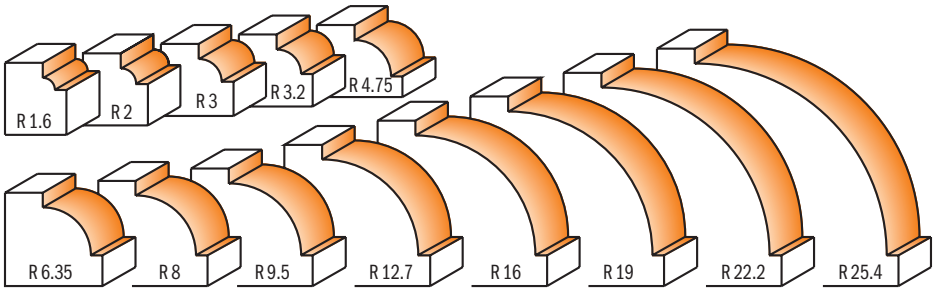



| R mm | d mm | D mm | I mm | L mm | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|---|---|
| 4 | 11 | 19 | 12 | 43.8 | 10 | **727.040.11** | | **927.040.11** | | |
| 5 | 11 | 21 | 12 | 43.8 | 10 | **727.050.11** | **827.050.11** | **927.050.11** | | |
| 6 | 11 | 23 | 12 | 43.8 | 10 | **727.060.11** | **827.060.11** | **927.060.11** | | |
| 6 | 11 | 23 | 12 | 50.1 | 10 | | | | | **827.560.11** |
| 8 | 12.7 | 28.7 | 12.7 | 44.5 | 10 | **727.080.11** | | **927.080.11** | | |
| 9.5 | 12.7 | 31.7 | 15.8 | 47.6 | 10 | **727.095.11** | **827.095.11** | **927.095.11** | | |
| 9.5 | 12.7 | 31.7 | 15.8 | 54 | 10 | | | | **927.595.11** | **827.595.11** |
| 12.7 | 12.7 | 38.1 | 19 | 50.8 | 10 | | **827.127.11** | | | |
| 12.7 | 12.7 | 38.1 | 19 | 57.1 | 10 | | | | **927.627.11** | **827.627.11** |
| 16 | 12.7 | 44.5 | 22.2 | 60.3 | 10 | | | | **927.660.11** | **827.660.11** |
| 19 | 12.7 | 50.8 | 25.4 | 63.5 | 10 | | | | **927.690.11** | **827.690.11** |
| 22.2 | 12.7 | 57.1 | 28.5 | 66.6 | 5 | | | | **927.722.11** | **827.722.11** |
| 25.4 | 12.7 | 63.5 | 33.3 | 71.4 | 5 | | | | **927.754.11** | **827.754.11** |




# 7/8/939

If you want to create a delicate inset at the base of the cut of a roundover profile, simply switch the bearing normally used for making profiles **7/8/938** (listed on the following page) to the undersized one listed below **(791.002.00)**.




Drawing is 1:1 scale

| R mm | D mm | I mm | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|
| 1.6 | 15.9 | 12.7 | 10 | **739.160.11** | **839.160.11** | **939.160.11** | | |
| 2 | 16.7 | 12.7 | 10 | | | **939.167.11** | | |
| 3 | 18.7 | 12.7 | 10 | | | **939.187.11** | | |
| 3.2 | 19.1 | 12.7 | 10 | **739.190.11** | **839.190.11** | **939.190.11** | | |
| 4.75 | 22.2 | 12.7 | 10 | **739.222.11** | **839.222.11** | **939.222.11** | | |
| 6.35 | 25.4 | 12.7 | 10 | **739.254.11** | **839.254.11** | **939.254.11** | **939.754.11** | **839.754.11** |
| 8 | 28.6 | 12.7 | 10 | **739.285.11** | **839.285.11** | **939.285.11** | | |
| 9.5 | 31.7 | 16 | 10 | **739.317.11** | **839.317.11** | **939.317.11** | **939.817.11** | **839.817.11** |
| 12.7 | 38.1 | 19 | 10 | **739.380.11** | **839.380.11** | **939.380.11** | **939.880.11** | **839.880.11** |
| 16 | 44.5 | 22 | 10 | | **839.445.11** | **939.445.11** | **939.945.11** | **839.945.11** |
| 19 | 50.8 | 25.4 | 10 | | | | **939.990.11** | **839.990.11** |
| 22.2 | 57.1 | 28.5 | 5 | | | | **939.991.11** | **839.991.11** |
| 25.4 | 63.5 | 33.3 | 5 | | | | **939.992.11*** | **839.992.11*** |

*Spare parts*

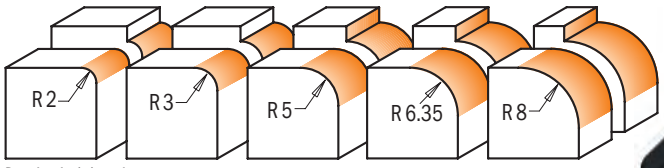
| | | | |
|---|---|---|---|
| 990.422.00 | 791.002.00 | 990.058.00 | 991.057.00 |
| 990.422.00 | 791.002.00 | 990.058.00 | 991.057.00 |
| 990.422.00 | 791.002.00 | 990.058.00 | 991.057.00 |
| 990.422.00 | 791.002.00 | 990.058.00 | 991.057.00 |
| 990.422.00 | 791.002.00 | 990.058.00 | 991.057.00 |
| 990.422.00 | 791.002.00 | 990.058.00 | 991.057.00 |
| 990.422.00 | 791.002.00 | 990.058.00 | 991.057.00 |
| 990.422.00 | 791.002.00 | 990.058.00 | 991.057.00 |
| 990.422.00 | 791.002.00 | 990.058.00 | 991.057.00 |
| 990.422.00 | 791.002.00 | 990.058.00 | 991.057.00 |
| 990.422.00 | 791.002.00 | 990.058.00 | 991.057.00 |
| 990.422.00 | 791.002.00 | 990.058.00 | 991.057.00 |
| 990.422.00 | 791.002.00 | 990.058.00 | 991.057.00 |

***For use on router tables only.**

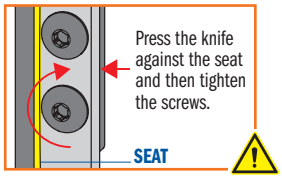
# Roundover Bits with Insert Knives

# 661.11

Roundover bits with two replaceable knives fixed by special TORX® screws. The blades are profiled on 2 sides and increase the efficiency of your work with laminates and chipboard, as well as hard and soft woods.
For use on portable routers.




Drawing is 1:1 scale




# 661.41

**Standard**
**R=3mm 790.030.04**

**Optional**
**R=1mm 790.010.04**
**R=1.5mm 790.015.04**
**R=2mm 790.020.04**

**SAFETY TIPS**

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

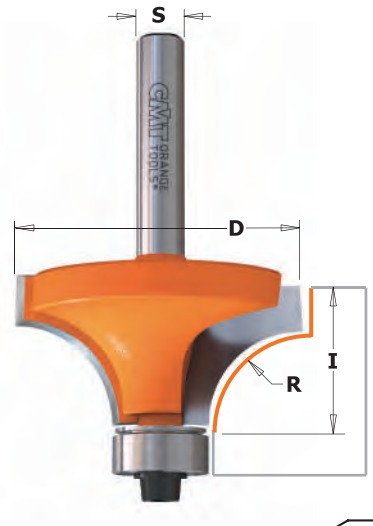
| R mm | D mm | I mm | L mm | | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | |
|---|---|---|---|---|---|---|---|
| 2 | 27 | | 57.5 | 10 | **661.021.41** | **661.020.41** | |
| 3 | 27 | | 57.5 | 10 | **661.031.41** | **661.030.41** | |
| 5 | 28.8 | 19.5 | 64 | 10 | | **661.050.11** | |
| 6.35 | 28.5 | 24 | 67 | 10 | **661.064.11** | **661.063.11** | |
| 8 | 31.8 | 24 | 67 | 10 | | **661.080.11** | |

*Spare parts*

| | | | | |
|---|---|---|---|---|
| | 790.020.04 | 990.078.00 | 991.061.00 | 791.003.00 |
| | 790.030.04 | 990.078.00 | 991.061.00 | 791.003.00 |
| 790.050.00 | | 990.076.00 | 991.061.00 | 791.007.00 |
| 790.064.00 | | 990.076.00 | 991.061.00 | 791.006.00 |
| 790.080.00 | | 990.075.00 | 991.061.00 | 791.006.00 |

*Spare parts:*
**990.400.00** M3 shield
**990.051.00** M3x6mm TCEI screw
**991.062.00** 2.5mm hex key
**990.410.00** M4 shield
**990.052.00** M4x6mm TCEI screw
**991.067.00** 3mm hex key
**990.423.00** Shield for 12.7mm bearing
**990.058.00** 1/8"x3/8"x1/2" TCEI screw
**991.057.00** 3/32" hex key

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)




# 7/8/938

HW · Z2 · RH

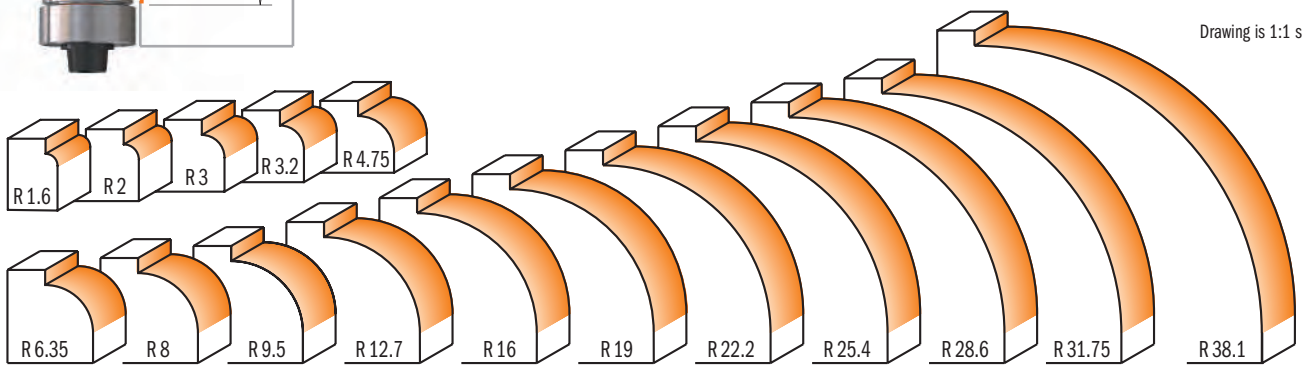
All CMT roundover bits provide a wide variety of profiles to create beautiful decorative edgework on furniture or boats. Lower the bit to expose the straight part of the cutting edge in this way you can apply a decorative edge to tables, shelves and beams.

**SHOP TIPS:** use the 1.6mm radius roundover bit for finishing laminates.
A simple height adjustment helps save time on finishing.

**SAFETY TIPS:** use caution when working with large diameter bits and make more than one pass to gradually remove stock.

**SHOP TIPS:** after resharpening, replace bearing **791.003.11** (Ø12.7mm) with undersized bearing **791.063.00** (Ø12.5mm)

Drawing is 1:1 scale




| R mm | D mm | I mm | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm | Spare parts | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.6 | 15.9 | 12.7 | 10 | **738.160.11** | **838.160.11** | **938.160.11** | | | 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 2 | 16.7 | 12.7 | 10 | **738.167.13** | **838.167.11** | **938.167.13** | | | 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 3 | 18.7 | 12.7 | 10 | **738.187.13** | **838.187.11** | **938.187.13** | | | 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 3.2 | 19.1 | 12.7 | 10 | **738.190.11** | **838.190.11** | **938.190.11** | | | 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 4.75 | 22.2 | 12.7 | 10 | **738.222.11** | **838.222.11** | **938.222.11** | | | 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 6.35 | 25.4 | 12.7 | 10 | **738.254.11** | **838.254.11** | **938.254.11** | **938.754.11** | **838.754.11** | 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 8 | 28.6 | 12.7 | 10 | **738.285.11** | **838.285.11** | **938.285.11** | | | 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 9.5 | 31.7 | 16 | 10 | **738.317.11** | **838.317.11** | **938.317.11** | **938.817.11** | **838.817.11** | 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 12.7 | 38.1 | 19 | 10 | **738.380.11** | **838.380.11** | **938.380.11** | **938.880.11** | **838.880.11** | 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 16 | 44.5 | 22 | 10 | | **838.445.11** | **938.445.11** | **938.945.11** | **838.945.11** | 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 19 | 50.8 | 25.4 | 10 | | | | **938.990.11** | **838.990.11** | 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 22.2 | 57.1 | 28.5 | 5 | | | | **938.991.11** | **838.991.11** | 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 25.4 | 63.5 | 33.3 | 5 | | | | **938.992.11*** | **838.992.11*** | 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 28.6 | 76.2 | 38.1 | 5 | | | | **938.993.11*** | **838.993.11*** | 990.425.00 | 791.004.00 | 990.058.00 | 991.057.00 |
| 31.75 | 82.5 | 44.4 | 5 | | | | **938.994.11*** | **838.994.11*** | 990.425.00 | 791.004.00 | 990.058.00 | 991.057.00 |
| 38.1 | 88.9 | 44.4 | 5 | | | | **938.996.11*** | **838.996.11*** | 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |

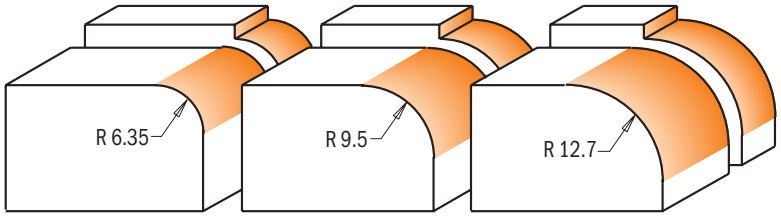
***Spare parts:*** **541.550.00** 1.6mm spacers (8/938.993.11 and 8/938.994.11)

***For use on router tables only.**

## Roundover Set

# 838

HW · Z2 · RH




Drawing is 1:1 scale

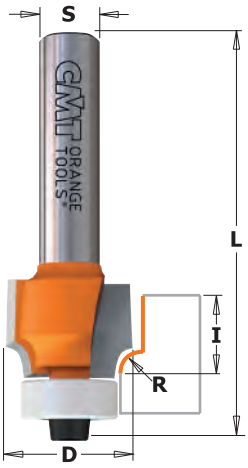
| DESCRIPTION | | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|
| Roundover set | 5 | **838.001.11** | **838.501.11** |

CMT's roundover sets give you the maximum flexibility for all of your projects by putting the most requested diameters in one package. Available in 12.7mm and 6.35mm shanks. Roundover radii are 6.35mm, 9.5mm and 12.7mm. These versatile bits are always in demand - the simple clean lines of a smooth roundover edge can be used in a wide variety of applications from picture frames to table and counter tops.



® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

# Corner Rounding Bits for composites and laminates



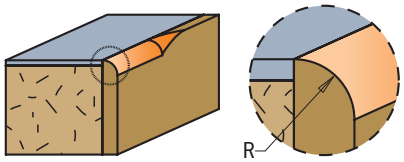

## 7/8/938

Z2 RH

These bits represent the ultimate in the extensive line of CMT rounding over bits. Work a wide variety of tough, abrasive materials including composites, particleboard, MDF (both raw or with melamine), veneer and hardwoods.
The DELRIN® bearing is perfect for ensuring smooth flawless results on your laminate and Abs surfaces.
No further filing is needed!

**EXCELLENT FOR CORNER ROUNDING:**

- Aluminum
- Aluminum Composites
- Aluminum Composite Material (ACM)
- Composites
- Composite Panels
- Custom Composite Materials
- Fiberglass
- Fiberglass PCB Board
- Fiberglass Reinforced Composites
- Fiber-Reinforced Urethane
- Fiber-Reinforced Structural Foam Floors
- Hard and Soft Wood
- ABS
- MDF
- Plastic



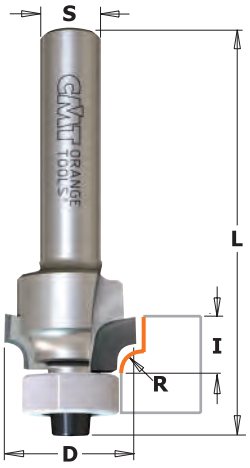

*Spare parts*
DELRIN®
791.044.00

| R mm | D mm | I mm | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | | |
|---|---|---|---|---|---|---|---|---|
| 1 | 14.7 | 10 | 10 | | 838.147.11 | 938.147.11 | | |
| 2 | 16.7 | 12.7 | 10 | 738.167.11 | | 938.167.11 | | |
| 3 | 18.7 | 12.7 | 10 | 738.187.11 | | 938.187.11 | | |

*Spare parts*

| | | | |
|---|---|---|---|
| 990.422.00 | 791.044.00 | 990.058.00 | 991.057.00 |
| 990.422.00 | 791.044.00 | 990.058.00 | 991.057.00 |
| 990.422.00 | 791.044.00 | 990.058.00 | 991.057.00 |

# DP - Corner Rounding Bits for composites and laminates




## 938 XTREME

PCD DP Z2 RH 40X LONGER LIFE THAN CARBIDE

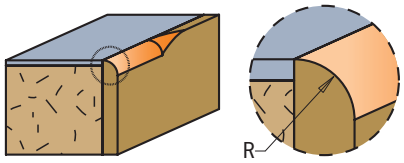
These new super duty DP (polycrystalline diamond) bits represent the ultimate in the extensive line of CMT rounding over bits. These bits save you both time and money, as they last 40 times longer than conventional bits. Work a wide variety of tough, abrasive materials including composites, particleboard, MDF (both raw or with melamine), veneer and hardwoods.

**EXCELLENT FOR CORNER ROUNDING:**

- Aluminum
- Aluminum Composites
- Aluminum Composite Material (ACM)
- Composites
- Composite Panels
- Custom Composite Materials
- Fiberglass
- Fiberglass PCB Board
- Fiberglass Reinforced Composites
- Fiber-Reinforced Urethane
- Fiber-Reinforced Structural Foam Floors
- Hard and Soft Wood
- Lightweight Composites
- MDF
- Plastic

**BENEFITS OF DIAMOND TECHNOLOGY**

- Harder cutting edge provides higher resistance to wear
- Cut thousands of meters more than carbide without changing tool, saving setup time
- Optimized machine tool efficiency
- Quality of finish is often significantly improved



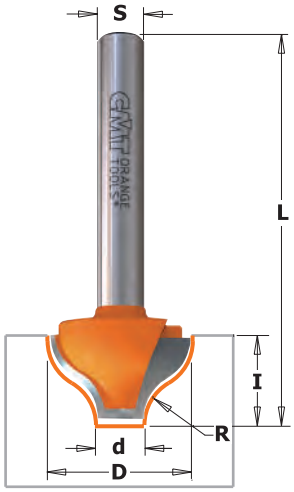

| R mm | D mm | I mm | | | | ORDER NO. S=Ø8mm | | |
|---|---|---|---|---|---|---|---|---|
| 2 | 16.7 | 8 | 10 | | | 938.167.61 | | |
| 3 | 18.7 | 8 | 10 | | | 938.187.61 | | |

*Spare parts*

| | | | |
|---|---|---|---|
| 990.422.00 | 791.044.00 | 990.058.00 | 991.057.00 |
| 990.422.00 | 791.044.00 | 990.058.00 | 991.057.00 |

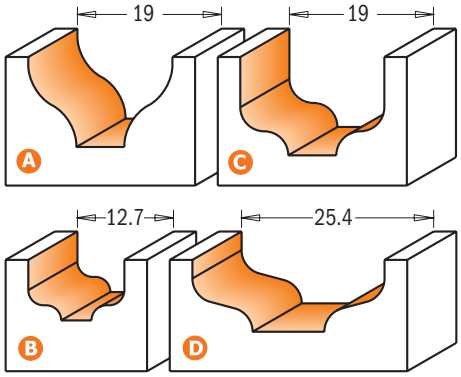
°791.044.00 DELRIN® Bearing

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

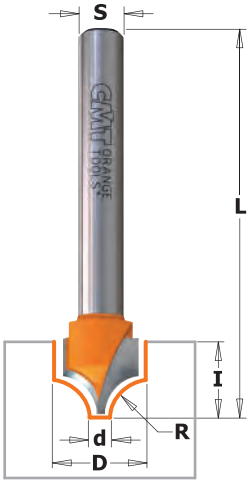


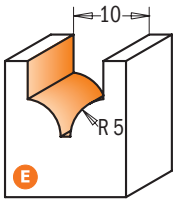

## 7/8/965

This new CMT bit produces a classic single or double-edged bead. Ideal for creating a marked decorative effect on panel, door and drawer work.




Drawing is 1:1 scale

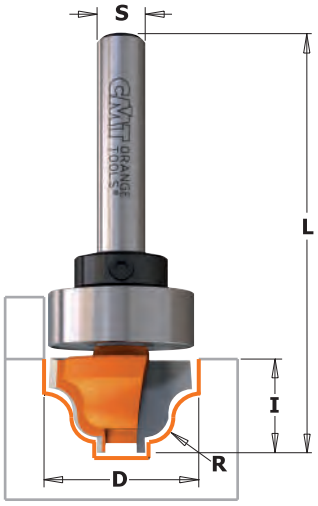



Drawing is 1:1 scale

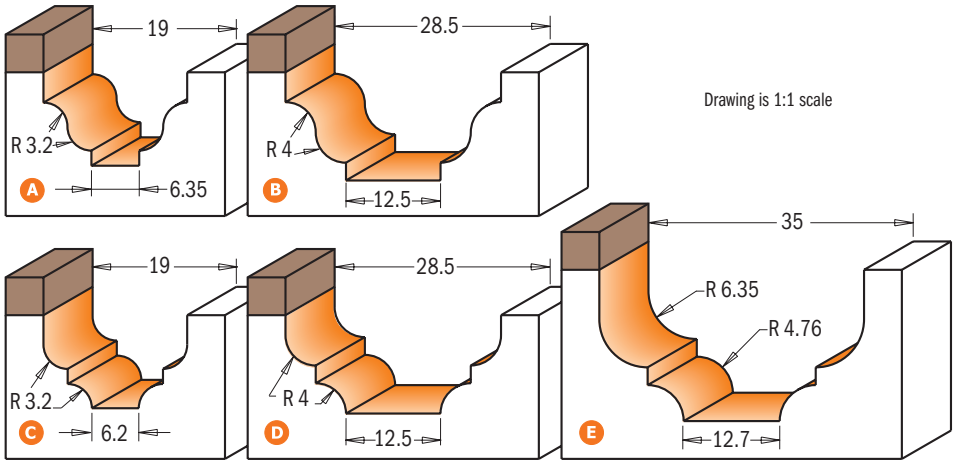
| D mm | d mm | R mm | I mm | L mm | PROFILE | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 19 | 6.35 | 6.4 | 11 | 50.8 | A | 10 | 765.001.11 | 865.001.11 | 965.001.11 | 965.501.11 | 865.501.11 |
| 12.7 | 4 | 2 | 8 | 51 | B | 10 | | 865.002.11 | 965.002.11 | | |
| 19 | 6.35 | 3.2 | 13 | 68 | C | 10 | | | | 965.503.11 | 865.503.11 |
| 25.4 | 9.5 | 3.2 | 9.5 | 49 | D | 10 | | | | 965.504.11 | 865.504.11 |
| 10 | 1.3 | 5 | 10 | 50 | E | 10 | 765.402.11 | 865.402.11 | 965.402.11 | | |

## Classical Bead Bits




## 7/8/965B

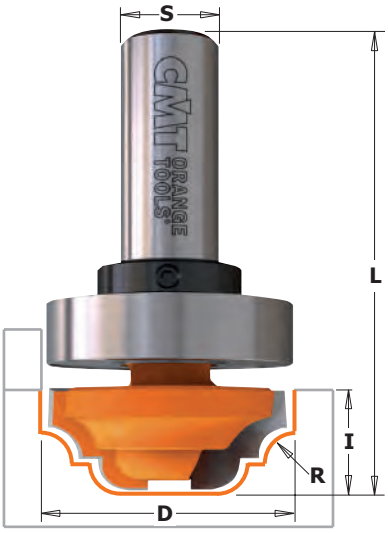
This bit equipped with a bearing fixed on the shank gives you even more decorative possibilities such as inlays and groove work on furniture panels, vitrines, and drawer fronts. A wide flat bottom cut and positioning just above the wood surface, lets you see the results immediately.




Drawing is 1:1 scale

| D mm | R mm | I mm | L mm | PROFILE | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm | Spare parts | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 19 | 3.2 | 12.3 | 54 | A | 10 | 765.201.11B | | | | | 791.007.00 | 541.003.00 | 991.056.00 |
| 19 | 3.2 | 12.3 | 54 | A | 10 | | 865.201.11B | | | | 791.004.00 | 541.001.00 | 991.056.00 |
| 28.6 | 4 | 14.3 | 58.8 | B | 10 | | | 965.202.11B | | | 791.027.00 | 541.002.00 | 991.056.00 |
| 28.6 | 4 | 14.3 | 58.8 | B | 10 | | | | 965.702.11B | | 791.027.00 | 541.005.00 | 991.056.00 |
| 28.6 | 4 | 14.3 | 58.8 | B | 10 | | | | | 865.702.11B | 791.027.00 | 541.002.00 | 991.056.00 |
| 19 | 3.2 | 12.3 | 54 | C | 10 | 765.301.11B | | | | | 791.007.00 | 541.003.00 | 991.056.00 |
| 19 | 3.2 | 12.3 | 54 | C | 10 | | 865.301.11B | | | | 791.004.00 | 541.001.00 | 991.056.00 |
| 28.6 | 4 | 13.3 | 58 | D | 10 | | | 965.302.11B | | 865.802.11B | 791.027.00 | 541.002.00 | 991.056.00 |
| 28.6 | 4 | 13.3 | 58 | D | 10 | | | | 965.802.11B | | 791.027.00 | 541.005.00 | 991.056.00 |
| 34.9 | 4.76 - 6.35 | 18.5 | 66.1 | E | 10 | | | 965.303.11B | | | 791.031.00 | 541.004.00 | 991.056.00 |
| 34.9 | 4.76 - 6.35 | 18.5 | 66.1 | E | 10 | | | | | 865.803.11B | 791.029.00 | 541.002.00 | 991.056.00 |

*Spare parts:* **990.005.00** M3x3mm TSEI screw



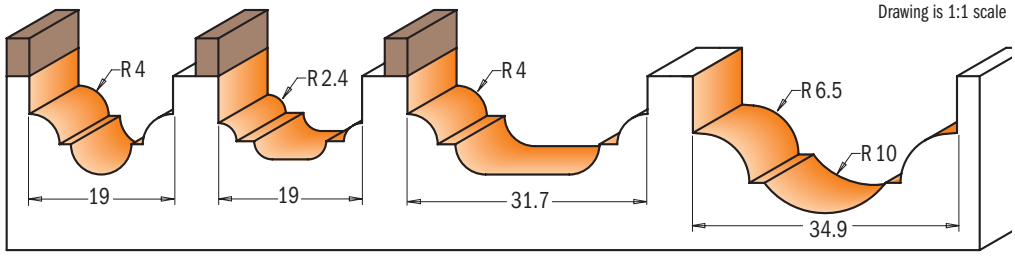

# 7/8/948 - 7/8/948B

HW | Z2 | RH

You will never run out of ideas with this creative bit. Add a classic touch to any edge or highlight door fronts and panels with decorative layered effects.

**SHOP TIPS:** for even more options, try the CMT plunge ogee with bearing for precision profiling. The bearing guarantees excellent decorative edgework.

Drawing is 1:1 scale




| D mm | R mm | I mm | L mm | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|---|
| 19 | 4 | 13 | 51.1 | 10 | **748.190.11** | **848.190.11** | **948.190.11** | | |
| 19 | 2.4 | 12 | 53 | 10 | **748.191.11** | **848.191.11** | **948.191.11** | | |
| 31.7 | 4 | 13 | 58 | 10 | | | **948.317.11** | **948.817.11** | **848.817.11** |
| 34.9 | 6.5-10 | 18 | 68 | 10 | | | | **948.850.11** | **848.850.11** |
| WITH TOP BEARING | | | | | | | | | |
| 19 | 4 | 13 | 51.1 | 10 | **748.190.11B** | | | | |
| 19 | 4 | 13 | 51.1 | 10 | | **848.190.11B** | | | |
| 19 | 2.4 | 12 | 53 | 10 | **748.191.11B** | | | | |
| 19 | 2.4 | 12 | 53 | 10 | | **848.191.11B** | | | |
| 31.7 | 4 | 13 | 58 | 10 | | | **948.317.11B** | | |
| 31.7 | 4 | 13 | 58 | 10 | | | | **948.817.11B** | |
| 31.7 | 4 | 13 | 58 | 10 | | | | | **848.817.11B** |

*Spare parts*

| | | |
|---|---|---|
| 791.007.00 | 541.003.00 | 991.056.00 |
| 791.004.00 | 541.001.00 | 991.056.00 |
| 791.007.00 | 541.003.00 | 991.056.00 |
| 791.004.00 | 541.001.00 | 991.056.00 |
| 791.015.00 | 541.002.00 | 991.056.00 |
| 791.015.00 | 541.005.00 | 991.056.00 |
| 791.015.00 | 541.002.00 | 991.056.00 |

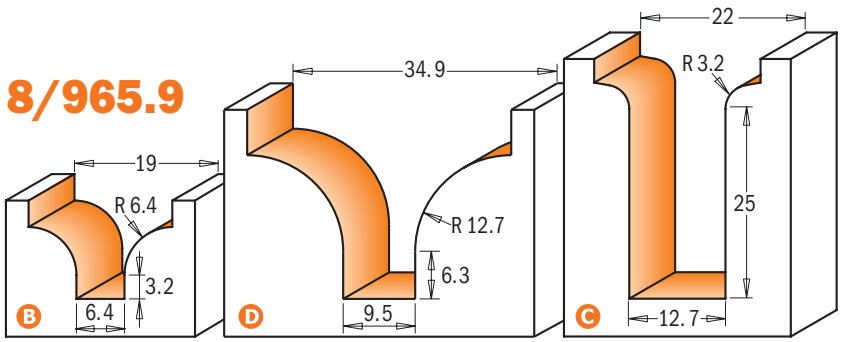
*Spare parts:* **990.005.00** M3x3mm TSEI screw

# Decorative Ogee Bits

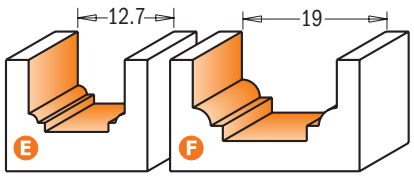
This new CMT bit produces a classic single or double edged bead.
Ideal for creating a marked decorative effect on panel, door and drawer work.

HW | Z2 | RH

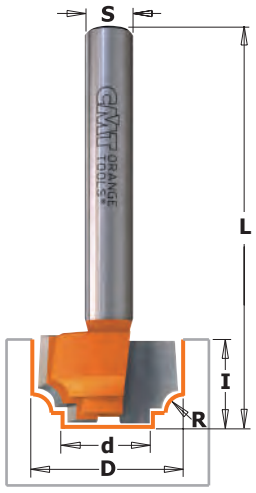
## 8/965.9




Drawing is 1:1 scale

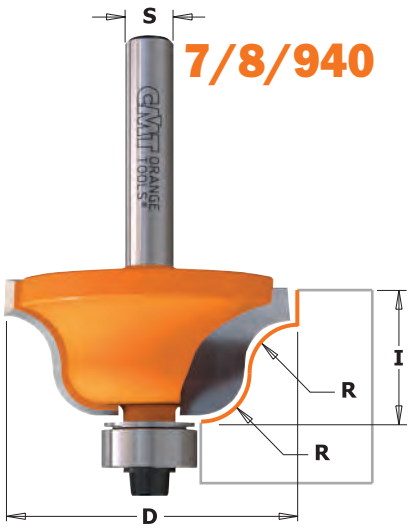



## 7/8/965.1




| D mm | d mm | R mm | I mm | L mm | PROFILE | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 12.7 | 8.4 | 1.2 | 12.7 | 50.8 | E | 10 | **765.101.11** | **865.101.11** | **965.101.11** | | |
| 19 | 11.1 | 2.4 | 11 | 50.8 | F | 10 | **765.102.11** | **865.102.11** | **965.102.11** | | |
| 19 | 6.4 | 6.4 | 13 | 51 | B | 10 | | | | **965.903.11** | **865.903.11** |
| 22 | 12.7 | 3.2 | 31.7 | 69.8 | C | 10 | | | | **965.905.11** | **865.905.11** |
| 34.9 | 9.5 | 12.7 | 25 | 65.5 | D | 10 | | | | **965.904.11** | **865.904.11** |

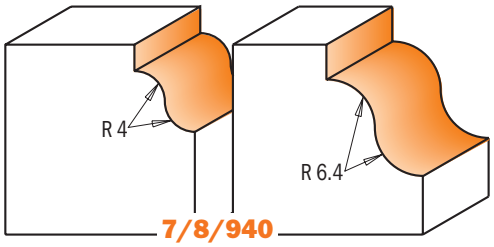
# Roman Ogee Bits



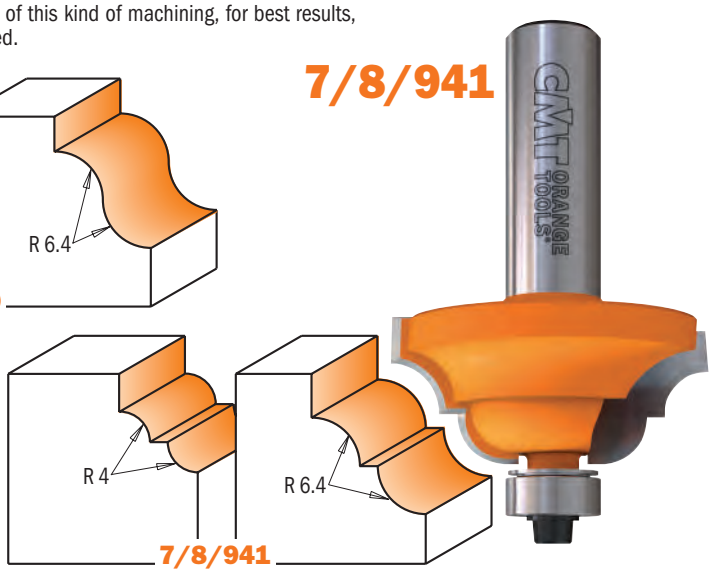

HW α Z2 RH

The roman ogee may be the most popular edge treatment in woodworking, and it is certainly one of the most beautiful and varied in classic design.

**SHOP TIPS:** given the complexity of this kind of machining, for best results, multiple passes are recommended.




Drawing is 1:1 scale



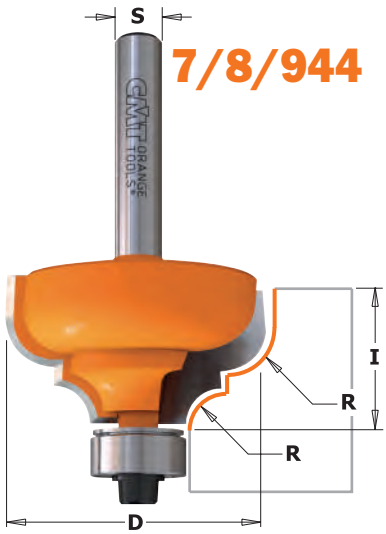

An extra horizontal cutting edge provides refined style and elegance to these tradizional profiles **7/8/940**.

**SHOP TIPS:** for best results, multiple passes are recommended.

| R mm | D mm | I mm | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm | Spare parts | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | 28.7 | 11.5 | 10 | **740.270.11** | **840.270.11** | **940.270.11** | **940.770.11** | **840.770.11** | 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 6.4 | 38.1 | 17.3 | 10 | **740.350.11** | **840.350.11** | **940.350.11** | **940.850.11** | **840.850.11** | 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 4 | 33.4 | 13 | 10 | **741.285.11** | **841.285.11** | **941.285.11** | **941.785.11** | **841.785.11** | 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 6.4 | 42.8 | 18.5 | 10 | **741.380.11** | **841.380.11** | **941.380.11** | **941.880.11** | **841.880.11** | 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |

**SHOP TIPS:** after resharpening, replace bearing **791.003.11** (Ø12.7mm) with undersized bearing **791.063.00** (Ø12.5mm)

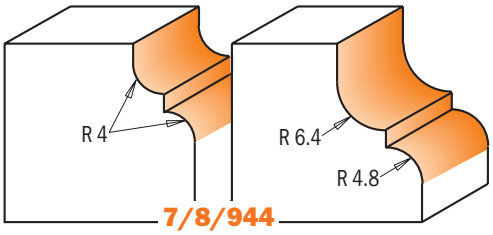
# Classical Ogee Bits

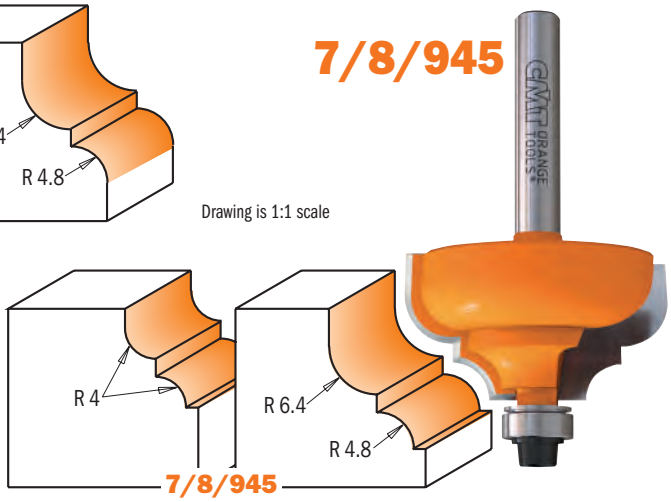



HW α Z2 RH

CMT's classical ogee bits feature an inverted ogee profile, with the concave edge adjacent to the upper surface of the workpiece. A vertical bead was added to separate the curves and creates an attractive detail.

**SHOP TIPS:** this type of machining can be very challenging, for best results, multiple passes are recommended.




Drawing is 1:1 scale

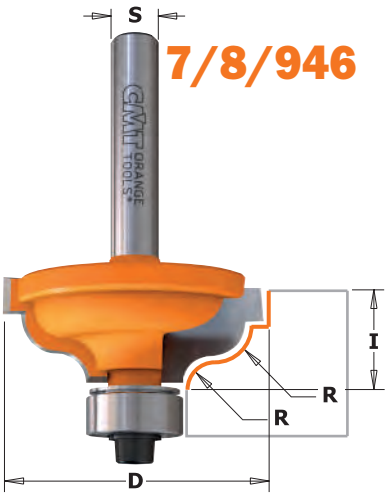
This profile includes a horizontal bead along the bottom of the profile adding a decorative detail to the traditional ogee design.

**SHOP TIPS:** for best results, multiple passes are recommended.

| R mm | D mm | I mm | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm | Spare parts | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | 28.7 | 13 | 10 | **744.287.11** | **844.287.11** | **944.287.11** | **944.787.11** | **844.787.11** | 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 6.4-4.8 | 35 | 18.5 | 10 | **744.350.11** | **844.350.11** | **944.350.11** | **944.850.11** | **844.850.11** | 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 4 | 28.7 | 13 | 10 | **745.287.11** | **845.287.11** | **945.287.11** | **945.787.11** | **845.787.11** | 990.422.00 | 791.002.00 | 990.058.00 | 991.057.00 |
| 6.4-4.8 | 35 | 18.5 | 10 | **745.350.11** | **845.350.11** | **945.350.11** | **945.850.11** | **845.850.11** | 990.422.00 | 791.002.00 | 990.058.00 | 991.057.00 |

**SHOP TIPS:** after resharpening, replace bearing as follow:
**791.002.00** (Ø9.5mm) with undersized bearing **791.062.00** (Ø9.3mm)
**791.003.00** (Ø12.7mm) with undersized bearing **791.063.00** (Ø12.5mm)

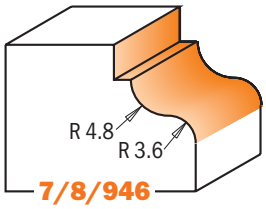
# Ogee with Fillet Bits



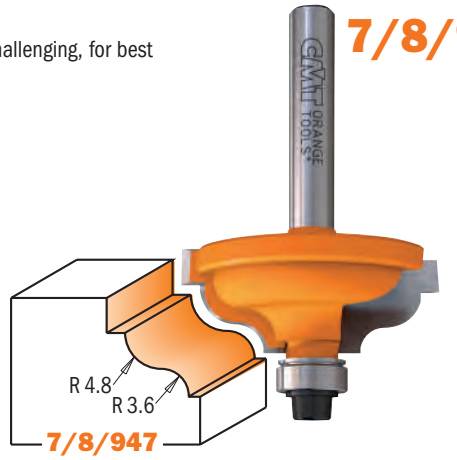

HW · Z2 · RH

The new decorative possibilties with this bit are endless. Every bit is composed of the highest quality tungsten carbide and protected with our orange trademarked PTFE coating.

**SHOP TIPS:** this type of machining can be very challenging, for best results, multiple passes are recommended.




Drawing is 1:1 scale



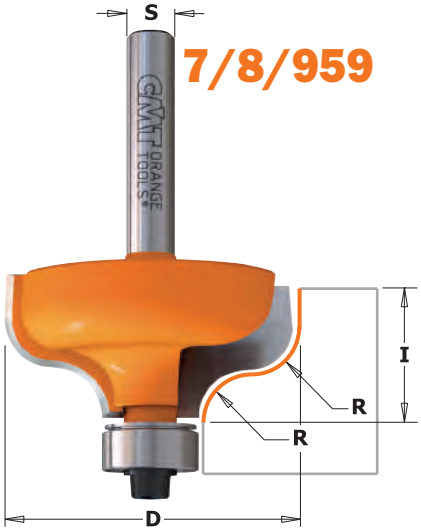

| R mm | D mm | I mm | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|
| 4.8-3.6 | 34.2 | 13 | 10 | **746.325.11** | **846.325.11** | **946.325.11** | **946.825.11** | **846.825.11** |
| 4.8-3.6 | 34.2 | 13 | 10 | **747.325.11** | **847.325.11** | **947.325.11** | **947.825.11** | **847.825.11** |

*Spare parts*

| | | | |
|---|---|---|---|
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |

**SHOP TIPS:** after resharpening, replace bearing as follow:
**791.002.00** (Ø9.5mm) with undersized bearing **791.062.00** (Ø9.3mm)
**791.003.00** (Ø12.7mm) with undersized bearing **791.063.00** (Ø12.5mm)

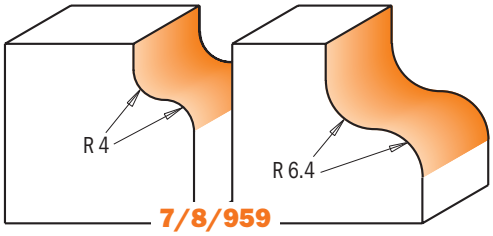
# Ogee Bits



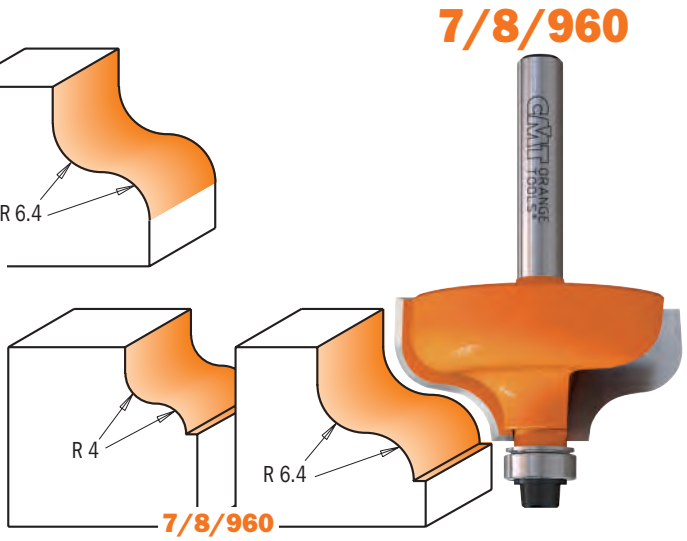

HW · Z2 · RH

These profiles are the mirror image of the traditional roman ogee. They add sharp defining details to the edges of cabinets and furniture, before rolling into a smooth convex shape.

**SHOP TIPS:** this type of machining can be very challenging, for best results, multiple passes are recommended.




Drawing is 1:1 scale




| R mm | D mm | I mm | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|
| 4 | 28.7 | 13 | 10 | **759.040.11** | **859.040.11** | **959.040.11** | **959.540.11** | **859.540.11** |
| 6.4 | 38.1 | 18 | 10 | **759.064.11** | **859.064.11** | **959.064.11** | **959.564.11** | **859.564.11** |
| 4 | 28.7 | 13 | 10 | **760.040.11** | **860.040.11** | **960.040.11** | **960.540.11** | **860.540.11** |
| 6.4 | 38.1 | 18 | 10 | **760.064.11** | **860.064.11** | **960.064.11** | **960.564.11** | **860.564.11** |

*Spare parts*

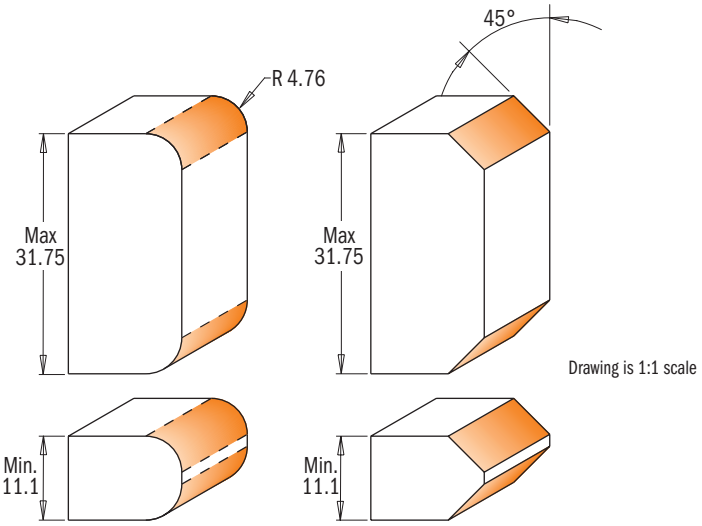
| | | | |
|---|---|---|---|
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 990.422.00 | 791.002.00 | 990.058.00 | 991.057.00 |
| 990.422.00 | 791.002.00 | 990.058.00 | 991.057.00 |

**SHOP TIPS:** after resharpening, replace bearing as follow:
**791.002.00** (Ø9.5mm) with undersized bearing **791.062.00** (Ø9.3mm)
**791.003.00** (Ø12.7mm) with undersized bearing **791.063.00** (Ø12.5mm)

## 8/900.623

HW Z2 RH

These CMT bits are ideal for making attractive edgework! Create a double 4.76mm (3/16") roundover profile, a double 45° bevel or even a mixed profile on your wood panels easily and in a cost-effective way! Interchangeable shims are included to allow for different stock thicknesses according to the board.
To be used on table-mounted routers. Do not use these bits with hand-held power tools.



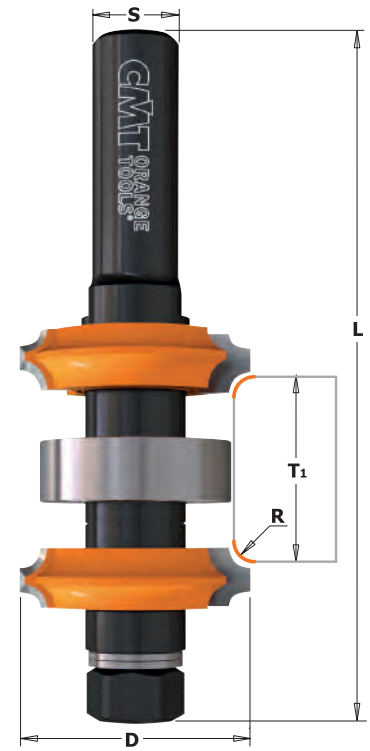

Drawing is 1:1 scale

| D mm | T1 mm | R mm | A | L mm | | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|
| 38.1 | 11.1 - 31.75 | 4.76 | 45° | 100 | 10 | **900.623.11** | |
| 38.1 | 11.1 - 31.75 | 4.76 | 45° | 100 | 10 | | **800.623.11** |

*Spare parts*

| | | 45° R | R 45° | |
|---|---|---|---|---|
| 924.137.00 | 791.037.00 | 822.029.11 | 822.030.11 | 990.020.00 |
| 824.137.00 | 791.037.00 | 822.029.11 | 822.030.11 | 990.020.00 |

*Spare parts:* **541.500.00** 3mm spacer
**541.515.00** 0.1mm spacer
**541.517.00** 0.5mm spacer
**541.518.00** 1mm spacer
**541.519.00** 5.8mm spacer

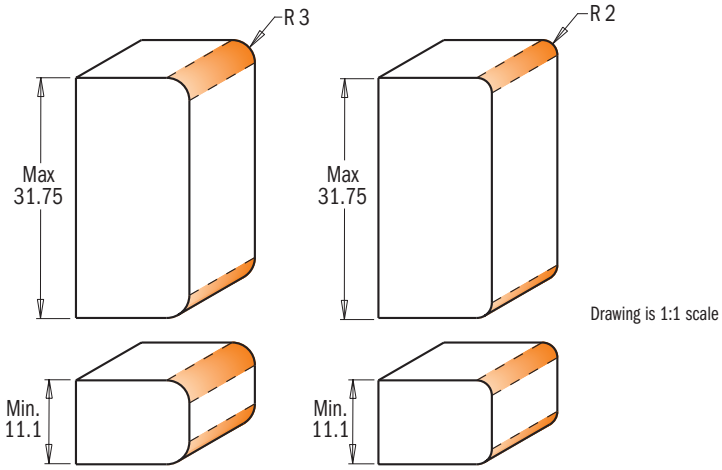



## Adjustable Double Roundover Bits

## 8/900.622

HW Z2 RH

Create awesome furnishing decorations with these new CMT bits! They provide a double 2mm (5/64") and 3mm (1/8") roundover profile on your wood panels easily and in a cost-effective way! To be used on table-mounted routers. Do not use these bits with hand-held power tools. Router tables only.



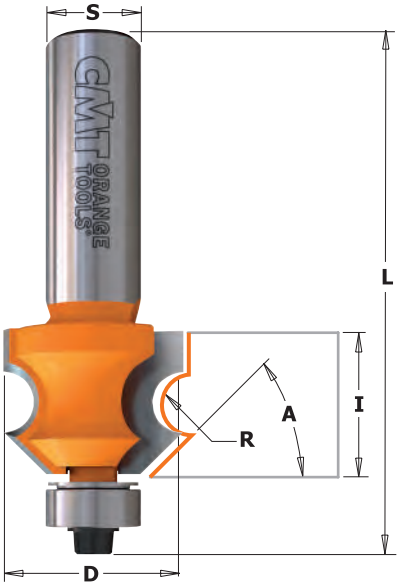

Drawing is 1:1 scale

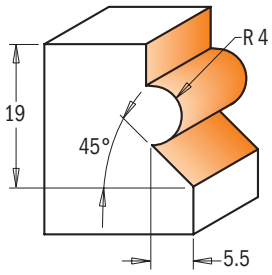
| D mm | T1 mm | R mm | L mm | | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|
| 34 | 11.1 - 31.75 | 3 - 2 | 100 | 10 | **900.622.11** | |
| 34 | 11.1 - 31.75 | 3 - 2 | 100 | 10 | | **800.622.11** |

*Spare parts*

| | | R2 R3 | R3 R2 | |
|---|---|---|---|---|
| 924.137.00 | 791.037.00 | 822.031.11 | 822.032.11 | 990.020.00 |
| 824.137.00 | 791.037.00 | 822.031.11 | 822.032.11 | 990.020.00 |

*Spare parts:* **541.500.00** 3mm spacer
**541.501.00** 4mm spacer
**541.515.00** 0.1mm spacer
**541.516.00** 0.3mm spacer
**541.518.00** 1mm spacer
**541.519.00** 5.8mm spacer

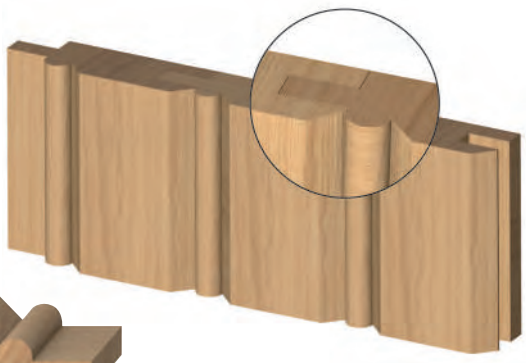


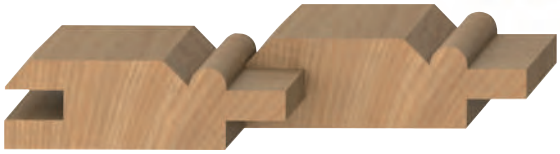



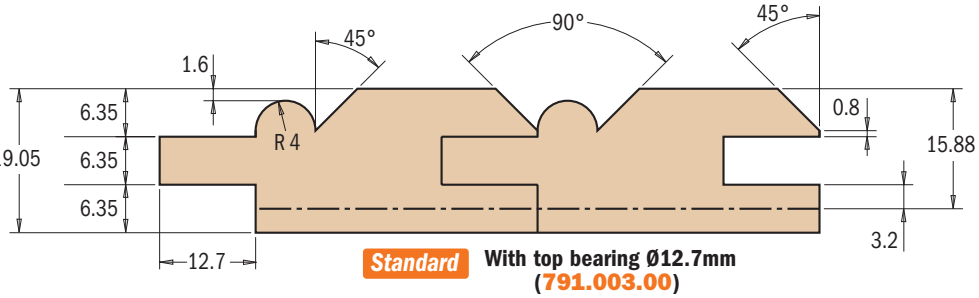

Drawing is 1:1 scale

## 8/961.6

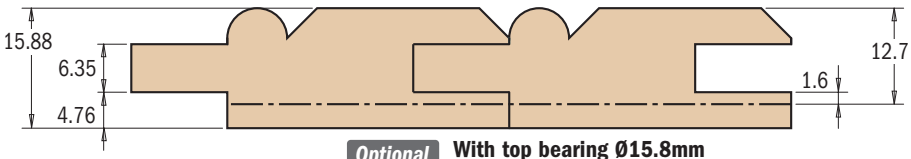
This new router bit designed for 19mm (3/4") thick stock is perfect for creating wainscots and panels on your walls. Simply create a 6.35mm (1/4") tongue-and-groove interlock with a CMT **8/900.626.11**, then, with two passes mill an attractive traditional beadboard profile with this new bit.
Perfect for cabinets, bookcase backings, ceiling and wall paneling.








**Standard** With top bearing Ø12.7mm (**791.003.00**)




**Optional** With top bearing Ø15.8mm (**791.018.00**)

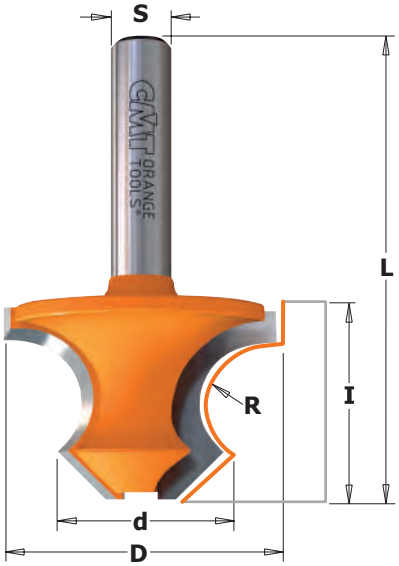
| D mm | I mm | R mm | A | L mm | | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|
| 23.8 | 19.05 | 4 | 45° | 67.7 | 10 | **961.601.11** | **861.601.11** |

Spare parts

| | | | |
|---|---|---|---|
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |

**SHOP TIPS:** after resharpening, replace bearing **791.003.11** (Ø12.7mm) with undersized bearing **791.063.00** (Ø12.5mm)

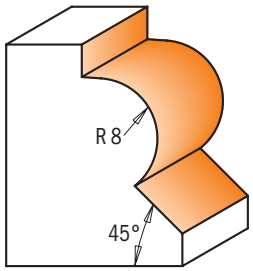
# Corner Beading Bit with 45° Chamfer




## 954

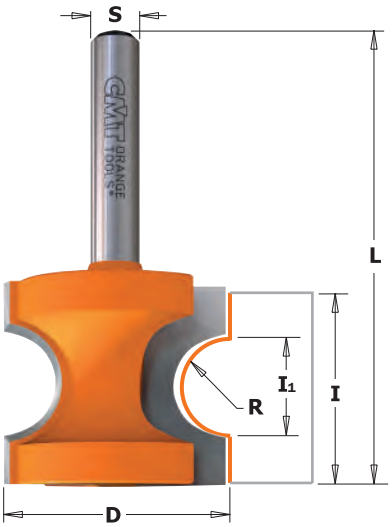
An innovative bit to create beautiful edges and corner beads.

**SAFETY TIPS: to be used only on CNC machines or router tables equipped with a fence.**




Drawing is 1:1 scale

| D mm | d mm | I mm | R mm | L mm | | ORDER NO. S=Ø8mm | |
|---|---|---|---|---|---|---|---|
| 36 | 22 | 25 | 8 | 60 | 10 | **954.080.11** | |

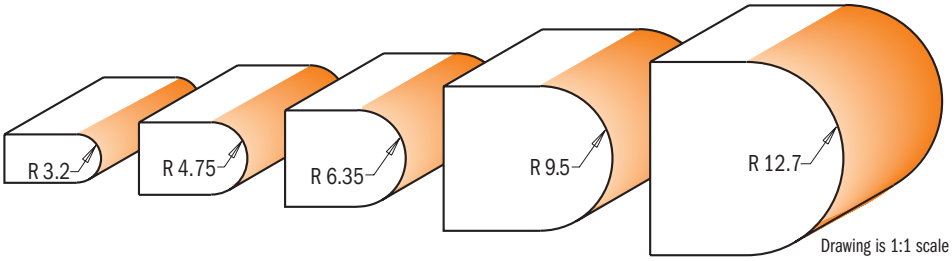



## 7/8/954

HW Z2 RH

CMT's bull nose bits create elegantly finished edges on stair treads, window sills and shelves in one pass. Add a final touch by using a cutter with a bead diameter wider than the stock thickness.

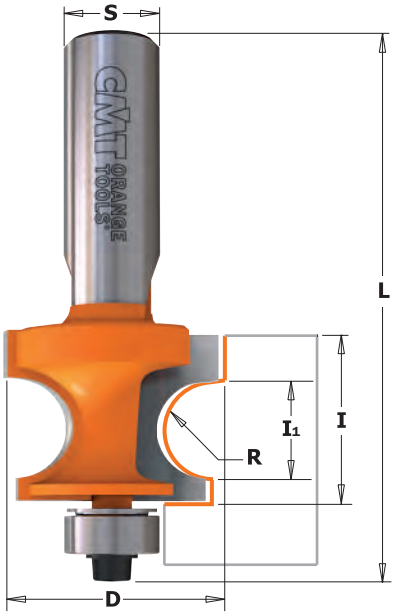
**SAFETY TIPS:** to be used only on router tables equipped with a fence except in the case
Do not remove the workpiece while the bit is routing.




Drawing is 1:1 scale

| R mm | D mm | $l_1$ mm | I mm | L mm | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|---|---|
| 3.2 | 22.2 | 6.56 | 19 | 50.8 | 10 | **754.002.11** | **854.002.11** | **954.002.11** | | |
| 3.2 | 22.2 | 6.56 | 19 | 57.2 | 10 | | | | **954.502.11** | **854.502.11** |
| 4.75 | 25.4 | 9.85 | 22 | 54 | 10 | **754.003.11** | **854.003.11** | **954.003.11** | | |
| 4.75 | 25.4 | 9.85 | 22 | 60.4 | 10 | | | | **954.503.11** | **854.503.11** |
| 6.35 | 28.6 | 13.15 | 25.5 | 57.2 | 10 | **754.004.11** | **854.004.11** | **954.004.11** | | |
| 6.35 | 28.6 | 13.15 | 25.5 | 63.5 | 10 | | | | **954.504.11** | **854.504.11** |
| 9.5 | 34.9 | 19.71 | 35 | 73 | 10 | | | | **954.507.11** | **854.507.11** |
| 12.7 | 44.5 | 26.3 | 41 | 79.4 | 10 | | | | **954.509.11** | **854.509.11** |

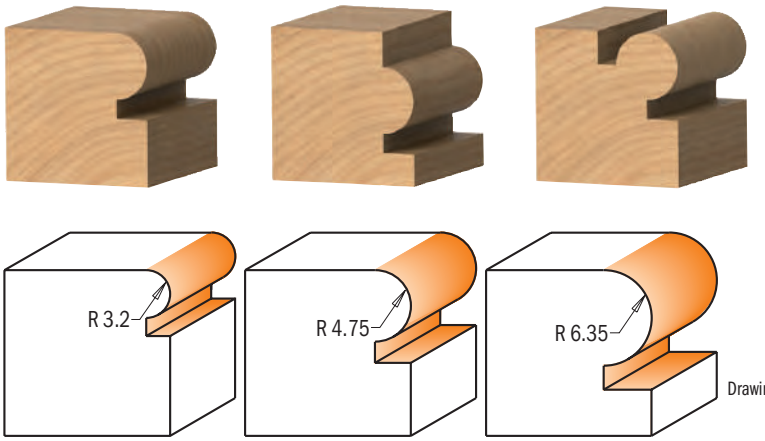
## Corner Beading Bits




## 7/8/961

HW α Z2 RH

Make beautiful traditional beads and edge beads or turn old beads into new moldings with the new CMT corner beading bits with bearing. Featuring carbide-tipped cutting edges and orange PTFE non-stick coating, these bits provide excellent results on corner beads. Run the bead twice to form a complete corner bead.



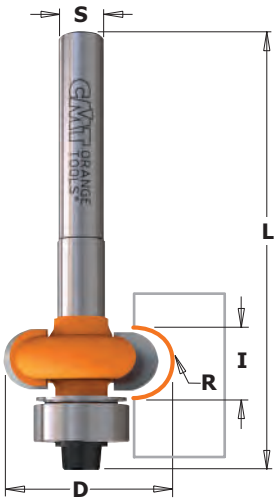

Drawing is 1:1 scale

| R mm | D mm | $l_1$ mm | I mm | L mm | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|---|---|
| 3.2 | 22.2 | 6.50 | 15 | 57.7 | 10 | **761.032.11** | **861.032.11** | **961.032.11** | | |
| 3.2 | 22.2 | 6.50 | 15 | 64 | 10 | | | | **961.532.11** | **861.532.11** |
| 4.75 | 25.4 | 9.68 | 18.6 | 61.2 | 10 | **761.048.11** | **861.048.11** | **961.048.11** | | |
| 4.75 | 25.4 | 9.68 | 18.6 | 67.6 | 10 | | | | **961.548.11** | **861.548.11** |
| 6.35 | 28.6 | 12.86 | 22.2 | 64.8 | 10 | **761.064.11** | **861.064.11** | **961.064.11** | | |
| 6.35 | 28.6 | 12.86 | 22.2 | 71.7 | 10 | | | | **961.564.11** | **861.564.11** |

*Spare parts:* **991.057.00** 3/32" hex key

*Spare parts*

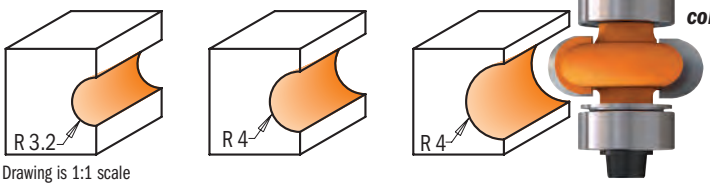
| | | |
|---|---|---|
| 990.423.00 | 791.003.00 | 990.058.00 |
| 990.423.00 | 791.003.00 | 990.058.00 |
| 990.423.00 | 791.003.00 | 990.058.00 |
| 990.423.00 | 791.003.00 | 990.058.00 |
| 990.423.00 | 791.003.00 | 990.058.00 |
| 990.423.00 | 791.003.00 | 990.058.00 |




## 7/862

HW Z2 RH

The edge-fluting bearing guided bits are quick to set up and can be used for curved screens, small radius grooves, doors etc. No side fence is required. Use in a handheld or table-mounted router.




Drawing is 1:1 scale

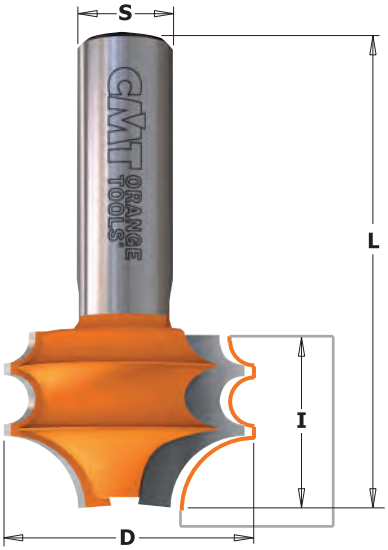
***For top bearing version: use bearing 791.010.00 and stop collar 541.001.00 (optional)***

| R mm | D mm | I mm | L mm | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm |
|---|---|---|---|---|---|---|
| 3.2 | 19.05 | 6.4 | 57 | 10 | **762.032.11** | **862.032.11** |
| 4 | 20.7 | 8 | 57 | 10 | **762.040.11** | **862.040.11** |
| 5 | 22.7 | 10 | 57 | 10 | **762.050.11** | **862.050.11** |

*Spare parts*

| | | | |
|---|---|---|---|
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |

## CMT Moulding System



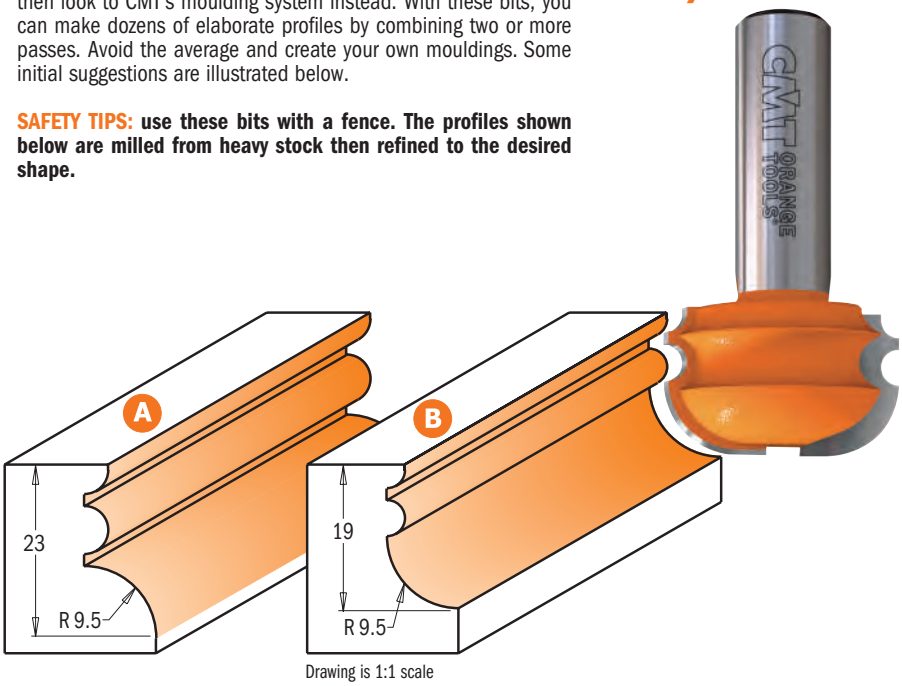

## 8/956.852

HW Z2 RH

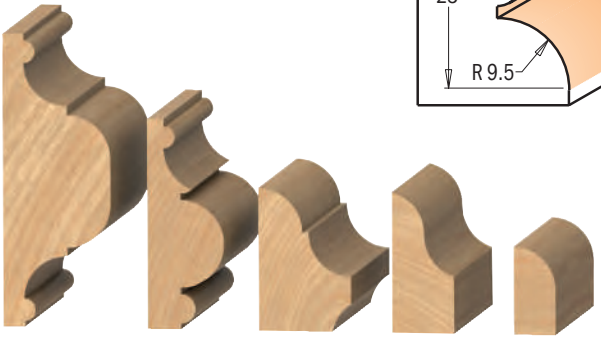
If the standard selection of moulding and mill work you find in today's lumber shops isn't satisfactory to your woodworking tastes, then look to CMT's moulding system instead. With these bits, you can make dozens of elaborate profiles by combining two or more passes. Avoid the average and create your own mouldings. Some initial suggestions are illustrated below.

**SAFETY TIPS: use these bits with a fence. The profiles shown below are milled from heavy stock then refined to the desired shape.**

## 8/956.851




Drawing is 1:1 scale



CHAIR RAIL 4 PASSES

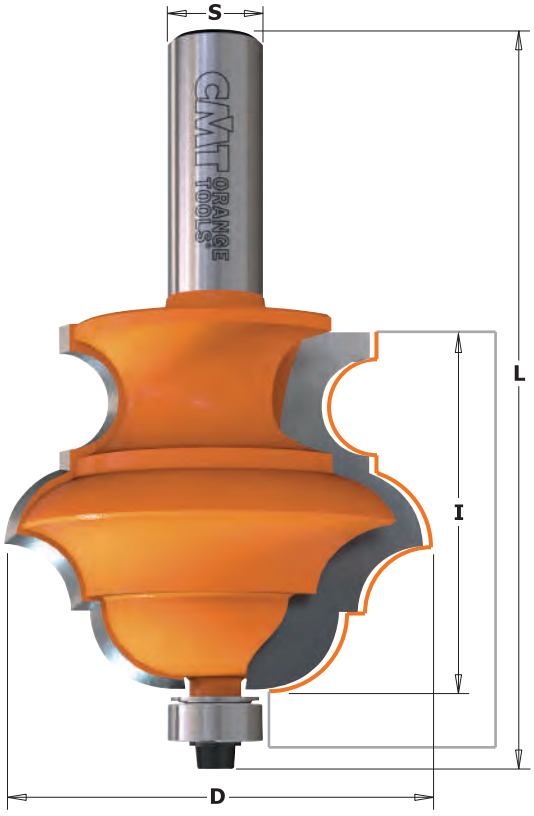
PANEL MOLDING 3 PASSES

BASE CAP 3 PASSES

STOP 2 PASSES

SHOE 1 PASS

| PROFILE | D mm | I mm | L mm | | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|
| A | 31.7 | 23 | 61.1 | 10 | **956.852.11** | **856.852.11** |
| B | 31.7 | 19 | 57.2 | 10 | **956.851.11** | **856.851.11** |

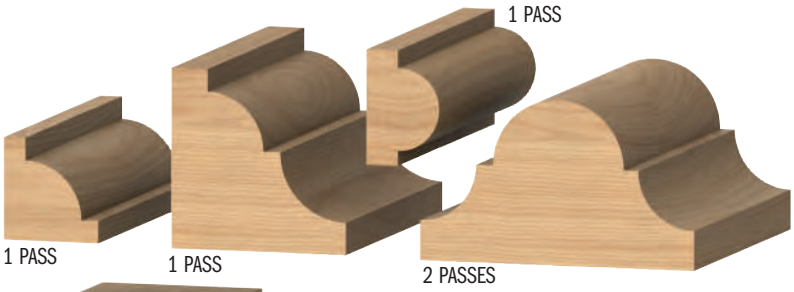


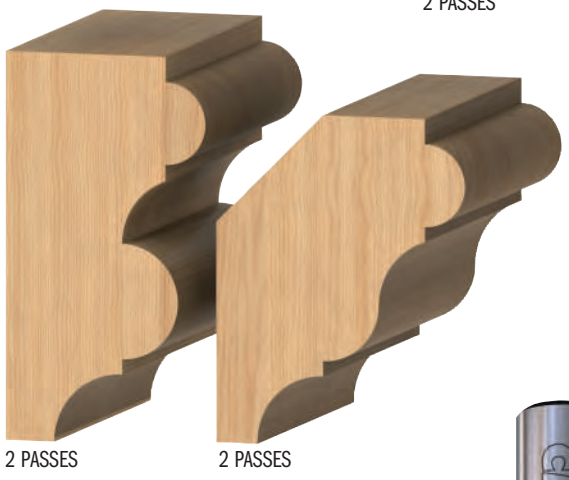

# 8/956.8

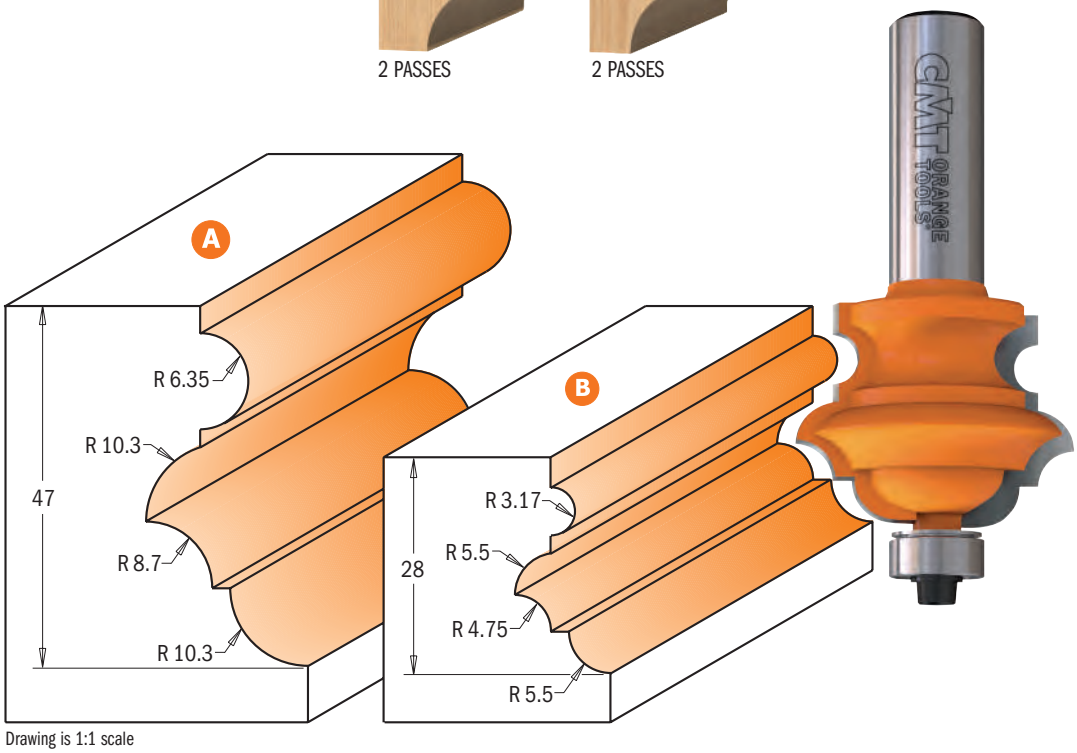
HW · Z2 · RH

Create endless profiles with CMT multiprofile bits. Simply adjust the height of the bit to create classic profiles in one single pass, or make more complex decorative effects in multiple passes. The bits super-strength steel body can withstand long-lasting cutting operations, and the micro-grain carbide tips remain sharp longer for superior performance. In addition these bits feature non-stick PTFE coating and anti-kickback design. To be used on tables equipped with a fence.

**SAFETY TIPS: to make small mouldings as shown below, cut the profile from large stock, removing excess material as you work as this will facilitate easier control. Keep hands far from the bit when working.**




Drawing is 1:1 scale

| PROFILE | D mm | I mm | L mm | | | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|
| A | 55.6 | 47 | 96.4 | | 5 | **956.802.11** | **856.802.11** |
| B | 38.1 | 28 | 77.5 | | 10 | **956.801.11** | **856.801.11** |

*Spare parts*

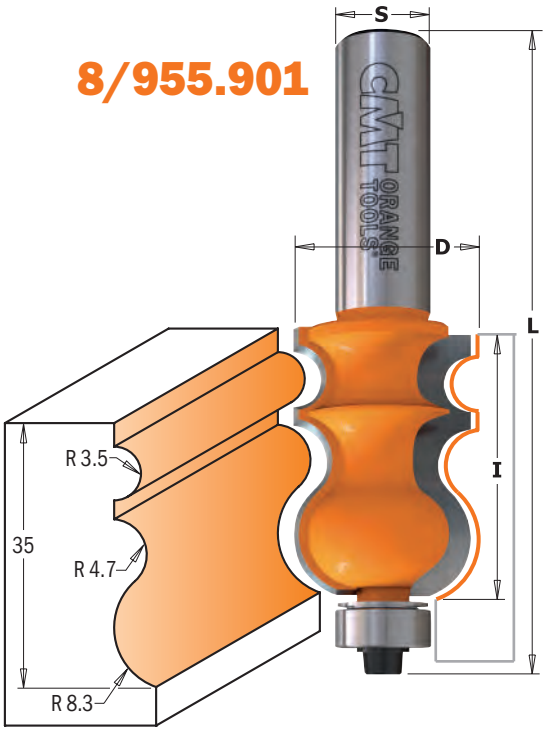
| | | | |
|---|---|---|---|
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |

For best results use these bits with 1800W routers. It is possible to use 1100W routers but only for brief passes that are short in depth.

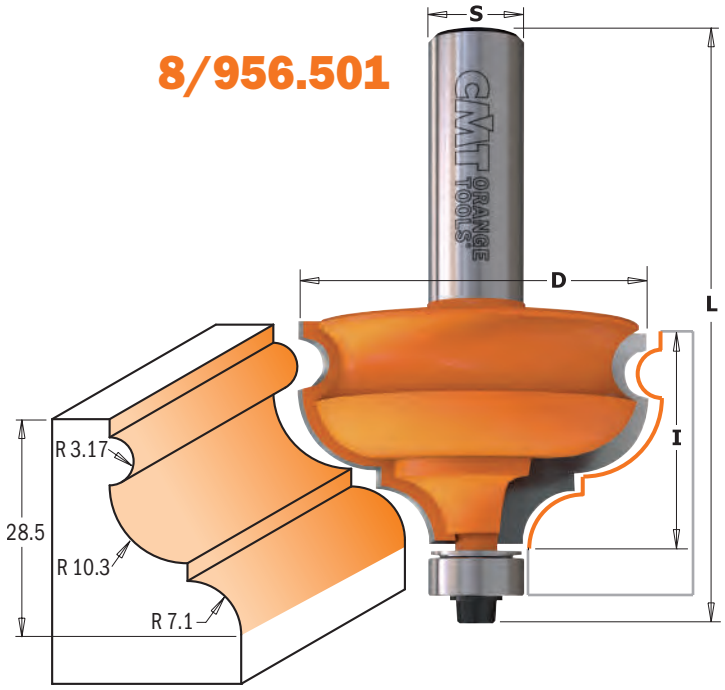
**SHOP TIPS:** multiple pass operations require advance planning. To avoid making a mistake that could render it impossible to finish the job, carefully consider the entire cutting sequence before you begin.

**SAFETY TIPS:** **all large diameter bits such as these should be used with caution and on router tables equipped with a fence. When possible, reduce the RPM.**

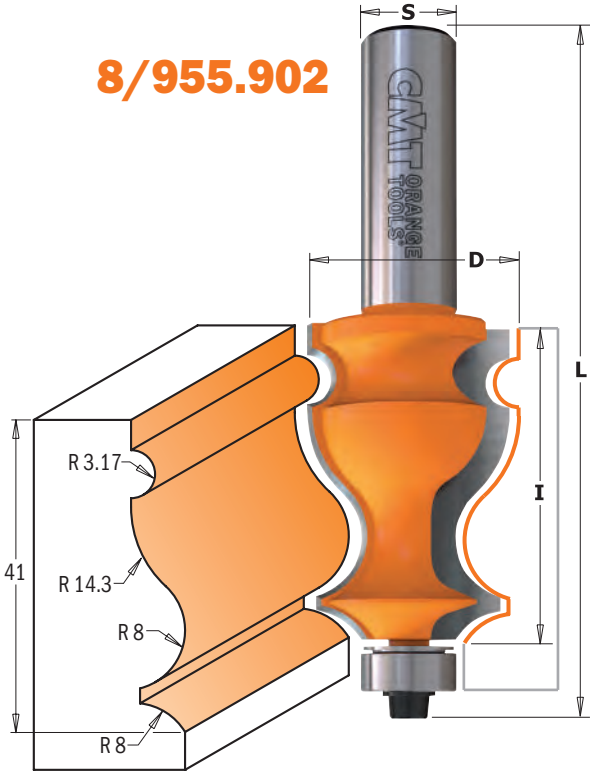
## 8/955.901



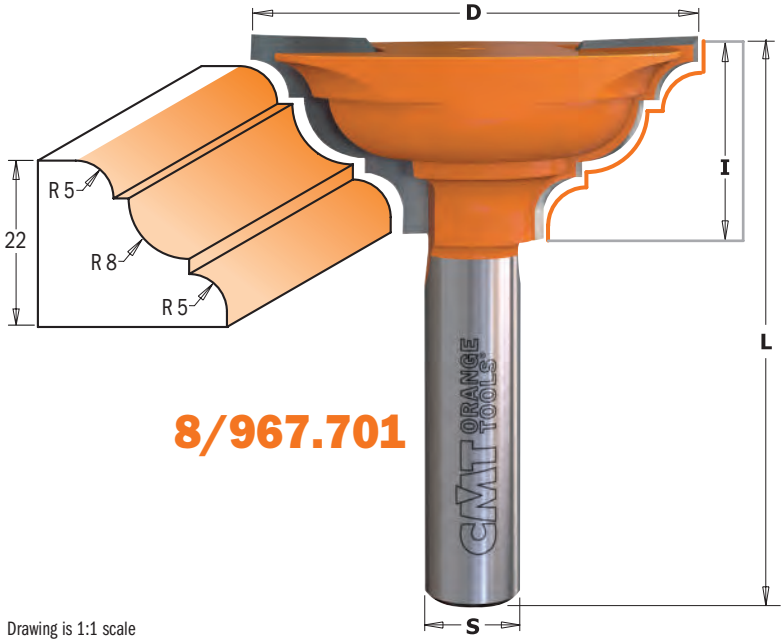

## 8/956.501




## 8/955.902




## 8/967.701



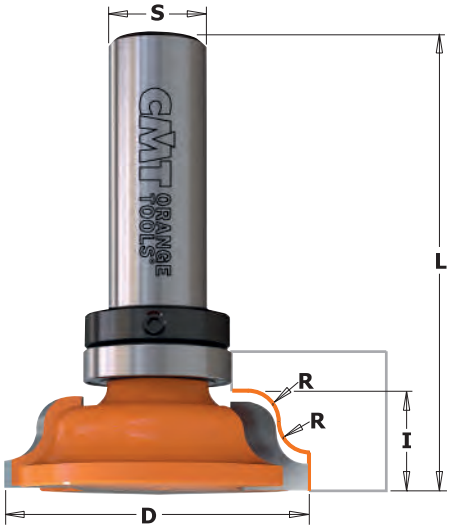

Drawing is 1:1 scale

| D mm | I mm | L mm | | | | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|
| 23.8 | 35 | 83.8 | | | 10 | **955.901.11** | **855.901.11** |
| 27 | 41 | 90.2 | | | 10 | **955.902.11** | **855.902.11** |
| 47.5 | 28.5 | 77.4 | | | 10 | **956.501.11** | **856.501.11** |
| 59 | 25.4 | 73.5 | | | 10 | **967.701.11** | **867.701.11** |

*Spare parts*

| | | | |
|---|---|---|---|
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| | | | |

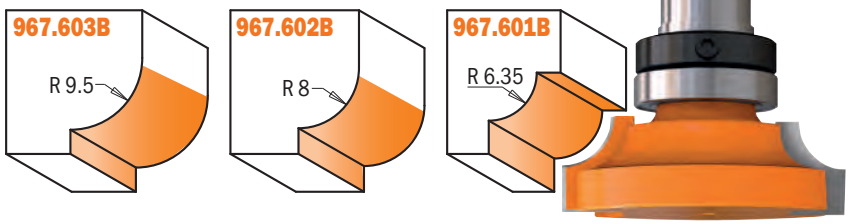
**SHOP TIPS:** after resharpening, replace bearing **791.003.11** (Ø12.7mm) with undersized bearing **791.063.00** (Ø12.5mm)




# 967.5B - 967.6B

HW Z2 RH

CMT's new moulding bits allow you to shape elegant moldings with your table saw and router. Unlike any commercially available crown mouldings, mouldings made with these bits are easy to install and create a finished appearance. After shaping the cove, you can use special router bits with inverted profiles to create different edges and complete the moulding.





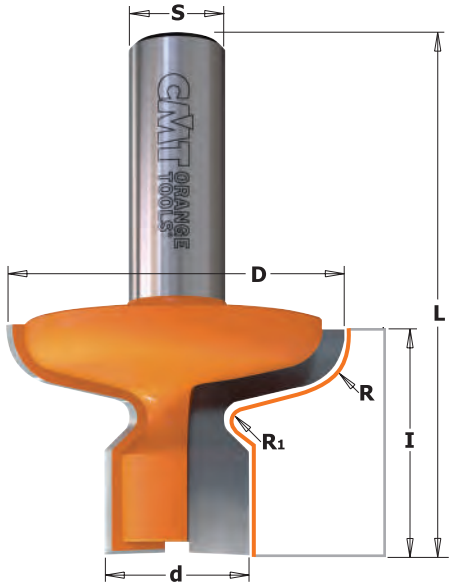

Drawing is 1:1 scale

| R mm | D mm | I mm | L mm | | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | |
|---|---|---|---|---|---|---|---|
| 4 | 39 | 11.5 | 57 | 10 | 967.001.11B | 967.501.11B | |
| 4 | 54 | 11.5 | 65.9 | 10 | | 967.502.11B | |
| 6.35 | 60.5 | 17.3 | 71.7 | 5 | | 967.503.11B | |
| 6.35 | 38 | 12.5 | 57 | 10 | | 967.601.11B | |
| 8 | 35 | 13.2 | 57.7 | 10 | 967.102.11B | 967.602.11B | |
| 9.5 | 38 | 14.5 | 59 | 10 | 967.103.11B | 967.603.11B | |

*Spare parts*

| | | | |
|---|---|---|---|
| 791.011.00 | 541.002.00 | 990.005.00 | 991.056.00 |
| 791.011.00 | 541.002.00 | 990.005.00 | 991.056.00 |
| 791.011.00 | 541.002.00 | 990.005.00 | 991.056.00 |
| 791.011.00 | 541.002.00 | 990.005.00 | 991.056.00 |
| 791.011.00 | 541.002.00 | 990.005.00 | 991.056.00 |
| 791.011.00 | 541.002.00 | 990.005.00 | 991.056.00 |

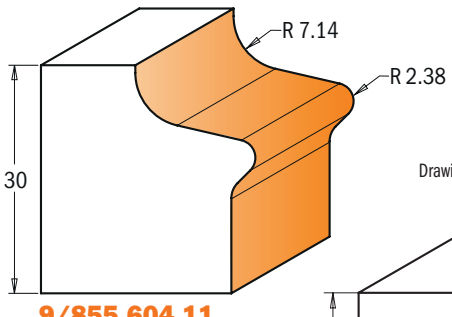
## Door Lip Bit & Finger Grip Bit




# 8/955.604-606

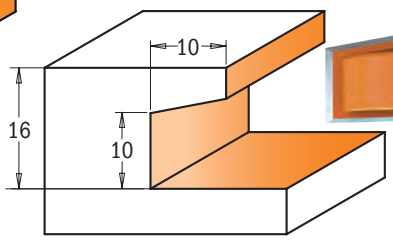
HW Z2 RH

Why interrupt the subtle linearity of an all-wood drawer front or cabinet door with a metal knob or handle? Two options are available: a template profile made directly in the wood or a European-style hardwood pull as illustrated below.



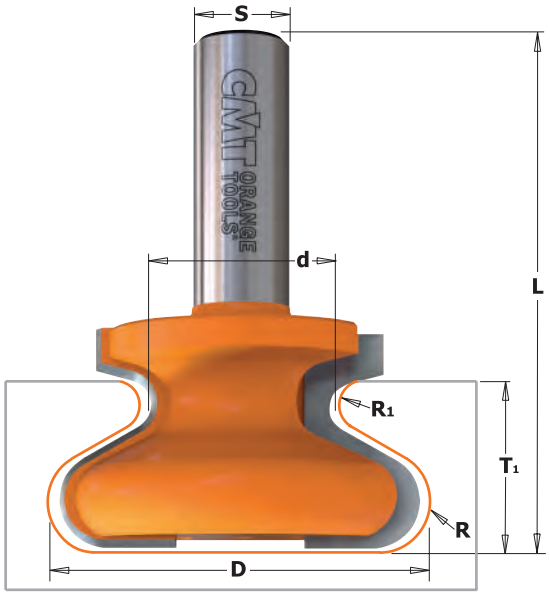

9/855.604.11

Drawing is 1:1 scale




9/855.606.11

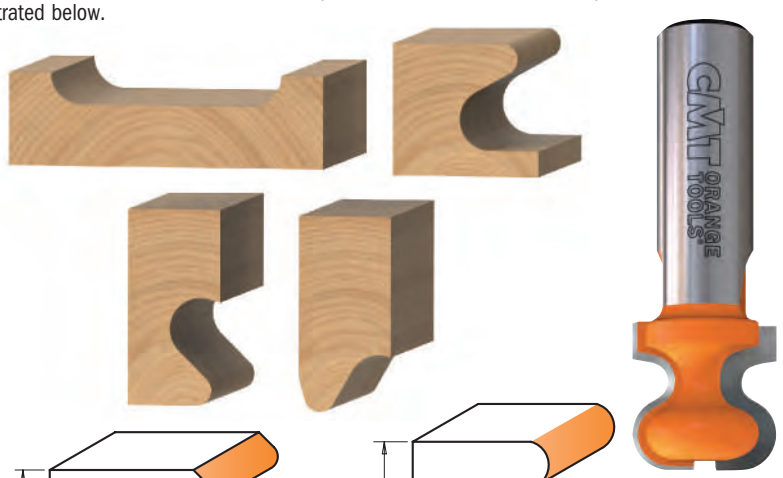
| D mm | d mm | I mm | R mm | R1 mm | L mm | | | | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|---|---|
| 36 | 16 | 16 | | | 60 | 10 | | | 955.606.11 | 855.606.11 |
| 47.6 | 22.2 | 30 | 7.14 | 2.38 | 66.6 | 10 | | | 955.604.11 | 855.604.11 |

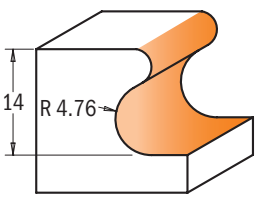



## 8/955

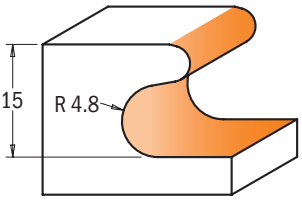
HW Z2 RH

Why interrupt the subtle linearity of an all-wood drawer front or cabinet door with a metal knob or handle? Use a CMT finger pull bit and make a harmonious wooden handle. Two options are available: a template profile made directly in the wood or a European-style hardwood pull as illustrated below.

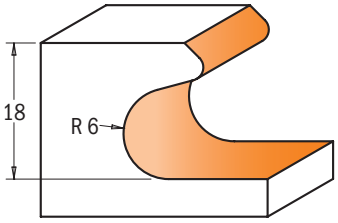




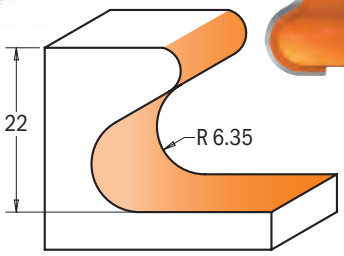

**955.102.11**
**855.602.11**




**955.105.11**
**955.605.11**
**855.605.11**



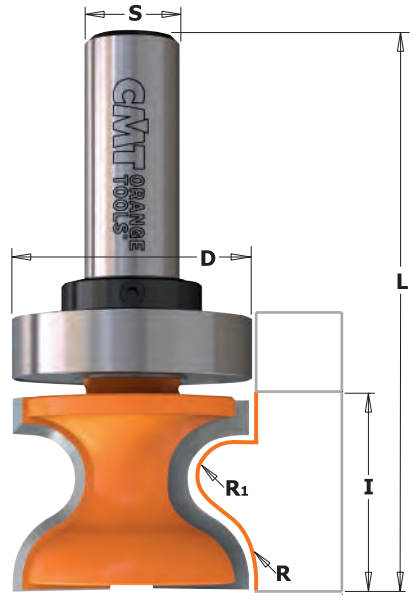

**955.103.11**
**855.603.11**




**955.601.11**
**855.601.11**

Drawing is 1:1 scale

| D mm | d mm | T1 mm | I mm | R mm | R1 mm | L mm | | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|---|---|
| 19.05 | 9.5 | 14 | 19.05 | 4.76 | 2.4 | 57.2 | 10 | **955.102.11** | | **855.602.11** |
| 29 | 11 | 15 | 20 | 4.8 | 2.3 | 60 | 10 | **955.105.11** | **955.605.11** | **855.605.11** |
| 38.1 | 17 | 18 | 20.7 | 6 | 1.8 | 55.5 | 10 | **955.103.11** | | |
| 38.1 | 17 | 18 | 20.7 | 6 | 1.8 | 61.8 | 10 | | | **855.603.11** |
| 47.6 | 24 | 22 | 28.5 | 6.35 | 3.2 | 66.6 | 10 | | **955.601.11** | **855.601.11** |

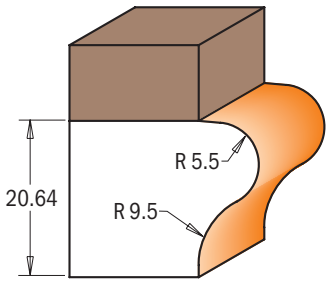


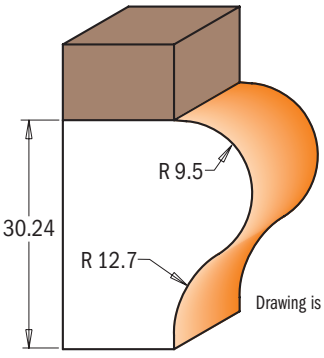

## Window Sill & Finger Bits

## 8/955.8 - 8/955.8B

HW Z2 RH

Originally, these profiles were designed for shaping the edges of window sills. Yet, these bits also can be used to create finger pulls on the edges of doors and drawers. These bits are available with top bearings for curved template work or without bearings for straight cuts against a fence.
Recommended for router table use only.



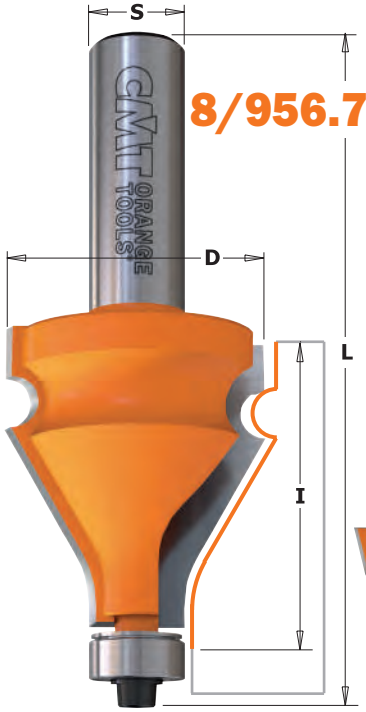




Drawing is 1:1 scale

| R1 mm | R mm | D mm | I mm | L mm | | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|
| 5.5 | 9.5 | 31.7 | 25.4 | 73 | 10 | **955.804.11** | **855.804.11** |
| 9.5 | 12.7 | 38.1 | 35 | 85.8 | 10 | **955.805.11** | **855.805.11** |
| WITH TOP BEARING | | | | | | | |
| 5.5 | 9.5 | 31.7 | 25.4 | 73 | 10 | **955.804.11B** | |
| 5.5 | 9.5 | 31.7 | 25.4 | 73 | 10 | | **855.804.11B** |
| 9.5 | 12.7 | 38.1 | 35 | 85.8 | 10 | **955.805.11B** | |
| 9.5 | 12.7 | 38.1 | 35 | 85.8 | 10 | | **855.805.11B** |

*Spare parts*

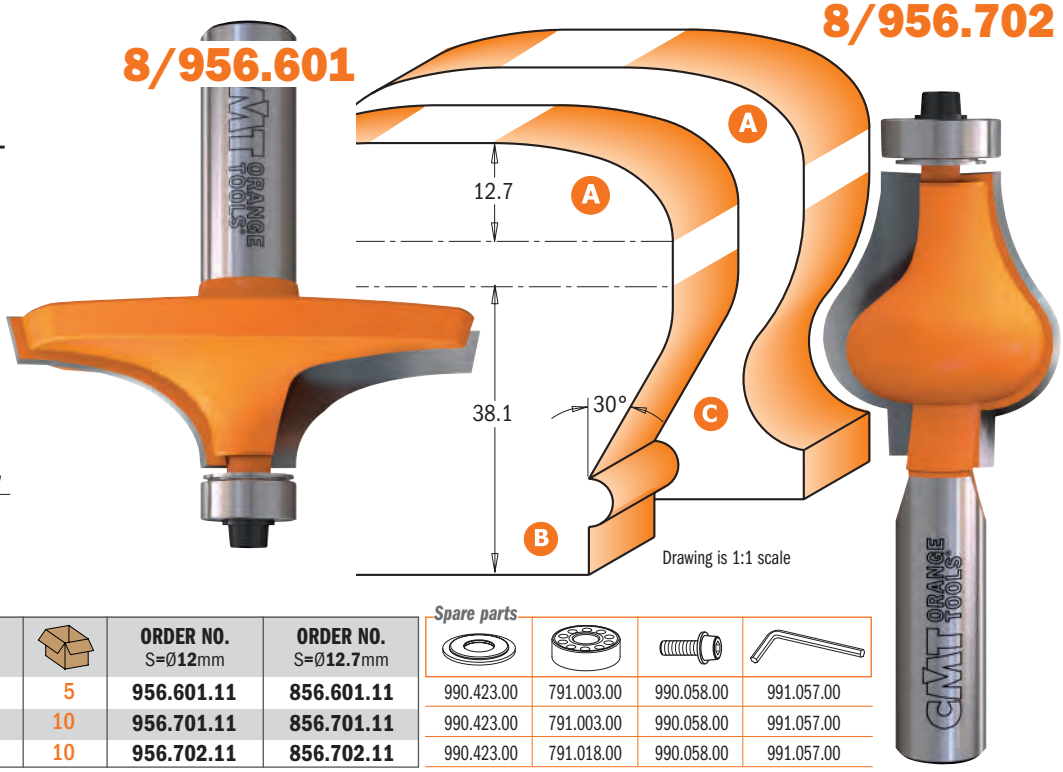
| | | | |
|---|---|---|---|
| 791.015.00 | 541.005.00 | 990.005.00 | 991.056.00 |
| 791.015.00 | 541.002.00 | 990.005.00 | 991.056.00 |
| 791.020.00 | 541.005.00 | 990.005.00 | 991.056.00 |
| 791.020.00 | 541.002.00 | 990.005.00 | 991.056.00 |




HW Z2 RH

The **8/956.601.11** guarantees well-proportioned smooth curves. Complete the job with the **8/956.701.11** bit featuring a 30° bevel edge and a 3.2mm bead for beautifully functional hand rails.

**SAFETY TIPS: these profile bits remove large amounts of stock and produce consistent quantities of dust. We recommend using a vacuum to keep the work area safe.**



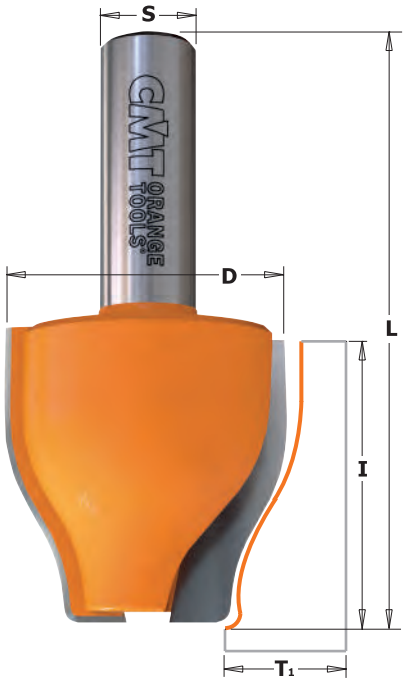

| PROFILE | D mm | I mm | L mm | | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|
| A | 63.5 | 19 | 67.9 | 5 | **956.601.11** | **856.601.11** |
| B | 35 | 38 | 87 | 10 | **956.701.11** | **856.701.11** |
| C | 31.7 | 38.1 | 87 | 10 | **956.702.11** | **856.702.11** |

*Spare parts*

| | | | |
|---|---|---|---|
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 990.423.00 | 791.018.00 | 990.058.00 | 991.057.00 |

**SHOP TIPS:** after resharpening, replace bearing **791.003.11** (Ø12.7mm) with undersized bearing **791.063.00** (Ø12.5mm)

## Vertical Raised Panel Bits

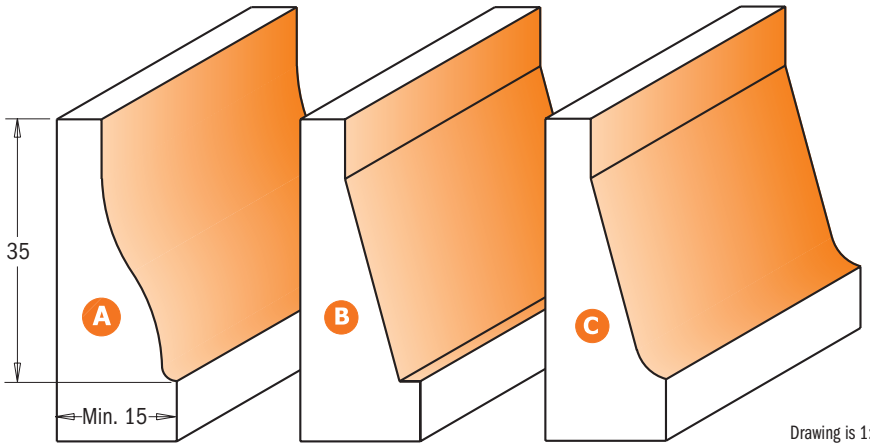



## 8/990.6

HW Z2 RH

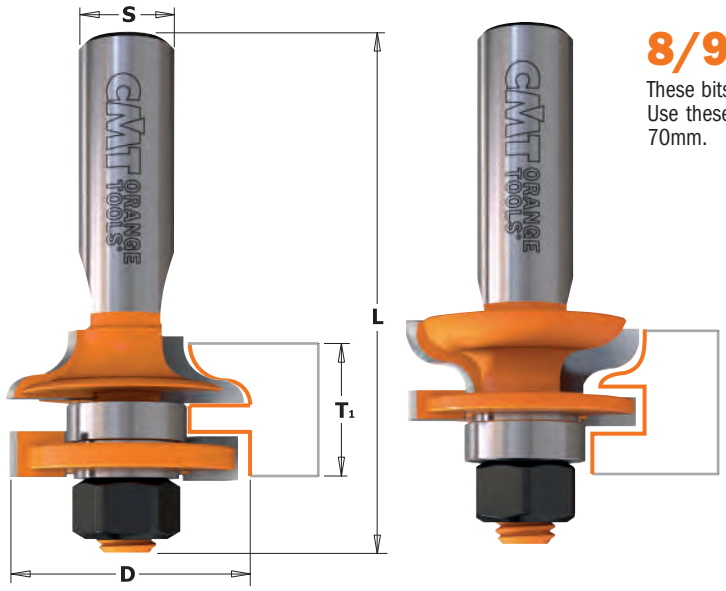
Use a sturdy 90° angle fence on your router table along with routers with a minimum speed of 1.7 KW (2-1/4 HP). Routers as low-powered as 1.1 KW (1-1/2 HP) can be used but we suggest limiting their use to shorter, shallower runs.

**SAFETY TIPS:** the template must be at least 150mm and clamps should be used whenever possible. Three to five passes are recommended to safely and accurately obtain the profile you desire.




| PROFILE | D mm | I mm | T1 mm | L mm | | | | | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|---|---|
| A | 38 | 38 | 15 ÷ 18 | 76.2 | | 10 | | | **990.601.11** | **890.601.11** |
| B | 38 | 38 | 15 ÷ 18 | 76.2 | | 10 | | | **990.602.11** | **890.602.11** |
| C | 38 | 38 | 15 ÷ 18 | 76.2 | | 10 | | | **990.603.11** | **890.603.11** |

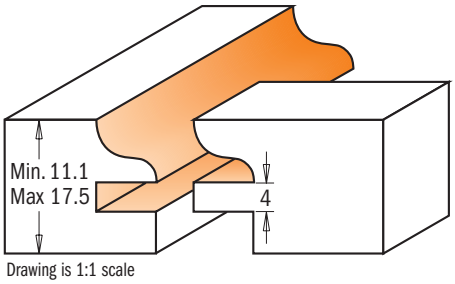
# Junior Ogee Rail & Stile Set




## 8/991.517

HW | α | Z2 | RH

These bits are designed for those special projects that require a smaller panel door. Use these bits with stock from 11.1mm to 17.5mm thick, and build doors as small as 70mm.




Drawing is 1:1 scale

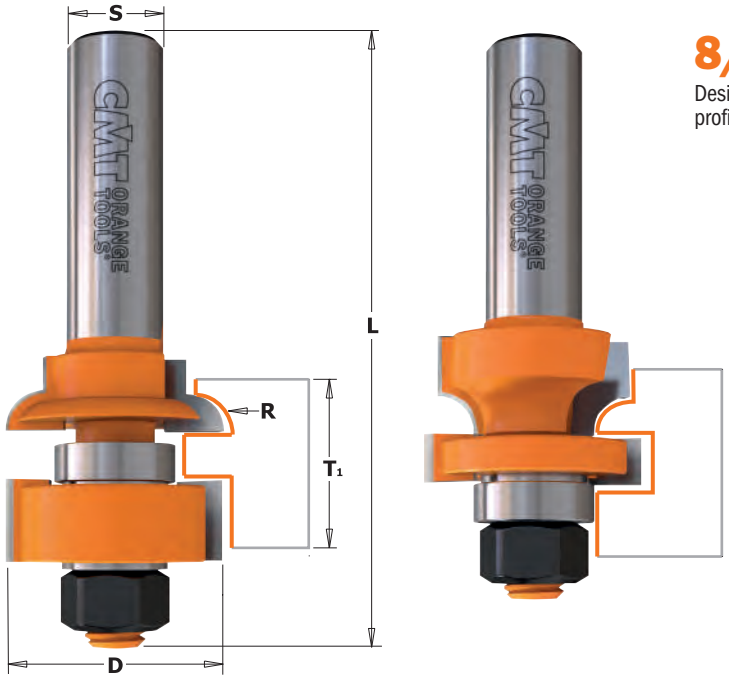
| D mm | T1 mm | L mm | | | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|
| 31.75 | 11.1 ÷ 17.5 | 67 | 5 | | 991.517.11 | 891.517.11 |

Spare parts

| 4mm | 6mm | | |
|---|---|---|---|
| 822.008.11 | 822.009.11 | 791.025.00 | 990.020.00 |

*Spare parts:* **541.515.00** 0.1mm spacer
**541.516.00** 0.3mm spacer
**541.518.00** 1.0mm spacer

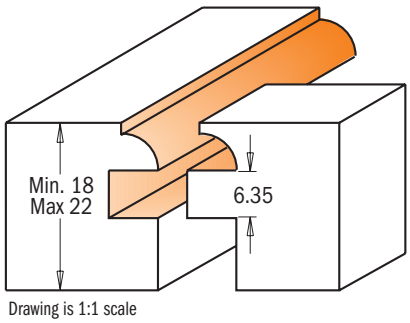
# Rail & Stile Set




## 8/991

HW | α | Z2 | RH

Designed for fine furniture construction, these bits mill a delicate 4.8mm thumbnail profile in stock from 18mm to 22mm.




Drawing is 1:1 scale

| D mm | T1 mm | R mm | L mm | | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|
| 28.7 | 18 ÷ 22 | 4.8 | 79.2 | 10 | 991.012.11 | 891.512.11 |

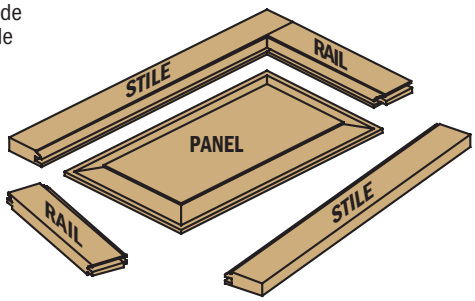
Spare parts

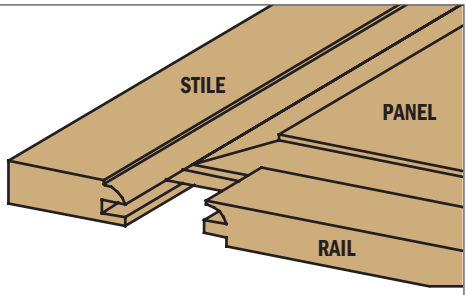
| 6.35mm | 10.8mm | | |
|---|---|---|---|
| 822.011.11 | 822.012.11 | 791.025.00 | 990.020.00 |

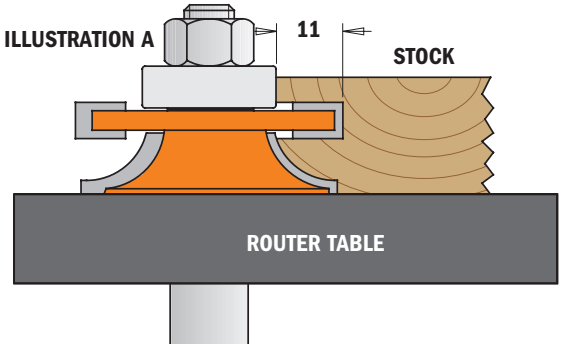
*Spare parts:* **541.515.00** 0.1mm spacer
**541.516.00** 0.3mm spacer
**541.518.00** 1.0mm spacer

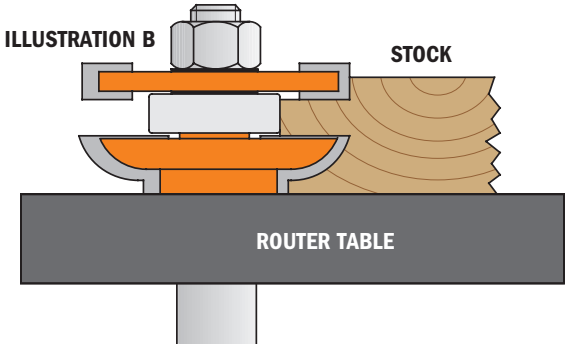
In our step-by-step example of panel door construction, we used the following:
- CMT Rail & Stile set (item **891.502.11**)
- CMT Reverse Glue Joint (item **855.501.11**)
- pre-cut to length stiles - 19mm thick x 57mm wide
- pre-cut to length rails - 19mm thick x 57mm wide
- panel - 16mm thick
- scrap stock

The CMT Rail & Stile set was designed ideally for the construction of panel doors from 19mm thick stock, however any variation of size up to 22mm thick can be used. Remember to adjust your measurements and cutting depths according to the wood thickness you use.



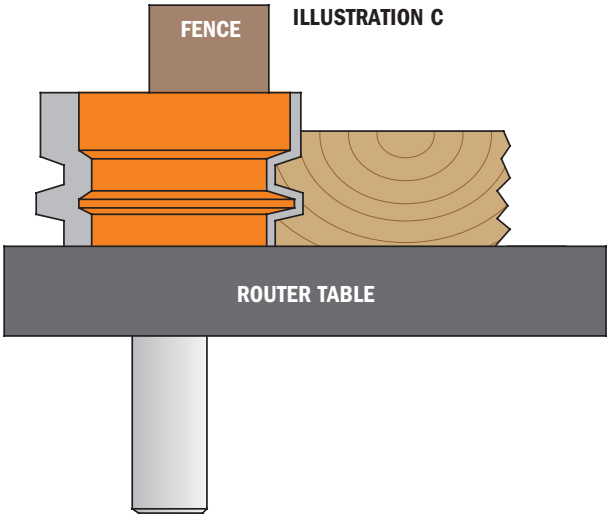




## MILLING THE RAILS AND STILES

First make trial cuts of the cope profile (rail) and the stick profile (stile) in scrap stock and check the accuracy of the joint. This is extremely important when working at maximum thickness (22mm). Make sure your stock is flat and cut straight with square edges. Using the CMT Stile Bit shown in illustration A, place the stock front face-down on the router table and mill the stick profile in the stile and rail pieces. To mill the rails, use the CMT Rail Bit shown in illustration A, position the rails face-down on the router table and mill the cope profile on the ends. If you are milling cope and stick profiles before cutting the rails and stiles to length, be sure to make the proper calculations before cutting the rails. The stiles are the same length as the door. The rails must be calculated by the following equation (CMT standard tenon length is 22mm):
(total door width - sum of stile widths) + sum of 2 tenons = total rail length
therefore, using our example measurements listed above, for a 300mm cabinet door:
300mm - 114mm + 22mm = 208mm

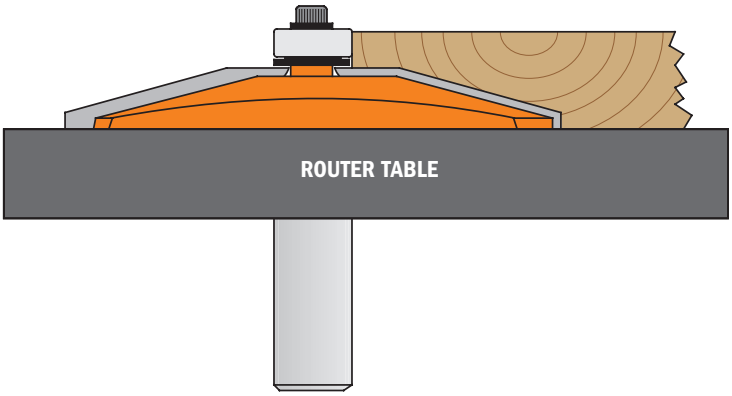
## GLUEING UP PANELS

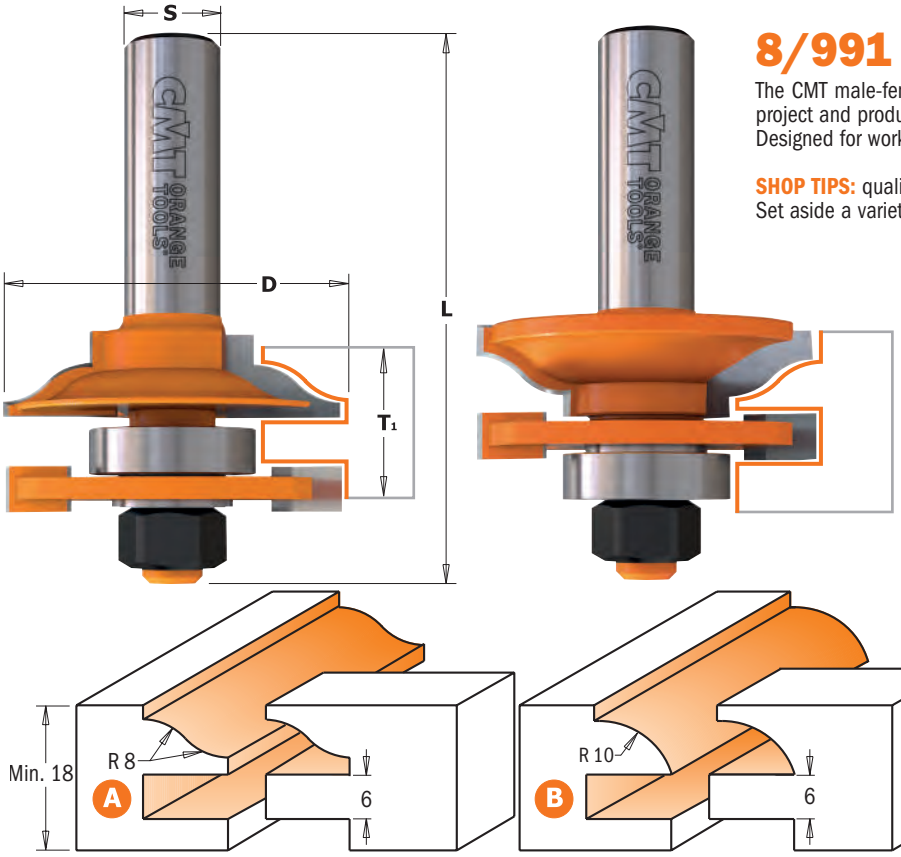
If the panel requires a width greater than the width of your stock, you will need to edge glue stock for the central floating panel. This is accomplished by simply using the CMT Reverse Glue Joint bit. For making a two panel glue joint, place the first panel front face-down on the router table and accurately centre the wood to the bit. Adjust the bit according to the thickness of the wood you are cutting by lining up the cut edge of the wood to the centre point of the bit as illustrated in illustration B and mill the cut edge of the wood. Place the second panel front face up and repeat the milling process. This assures you will have the best side of your stock as a front face. If a third panel is required, mill one cut edge of the piece as instructed above, turn the piece over and run the other edge. Assemble the reverse cut pairs together for beautiful, strong joints that match up perfectly.




## MILLING THE FLOATING PANEL

Make trial cuts in scrap stock to create a tongue that fits snugly into the groove in the stile without forcing it. To cut your panel to size be sure to make the proper calculations, taking into account the length of the tongue. The CMT Raised Panel Bit in our example has a standard tongue length of 8mm (The New CMT Raised Panel Bit profile has a 9.5mm tongue).
Use the following equation:
(Total door length - Sum of Stile widths) + Sum of 2 Tongues = Overall Panel Length
Therefore, using our example, measurements listed above for a 600mm long cabinet door: (600 - 114) + 16mm = 502mm
And accordingly:
(Total door width - Sum of Stile widths) + Sum of 2 Tongues = Overall Panel Width.
Once the panel has been cut to proper dimensions, position the panel front face side down on the router table tongue as shown in illustration C and use the CMT Raised Panel Bit to mill the tongue. ATTENTION: this bit is capable of removing large amounts of stock. To safely and effectively produce the profile you want, we suggest making several shallow passes. It can be dangerous to try to mill the entire profile in a single run.





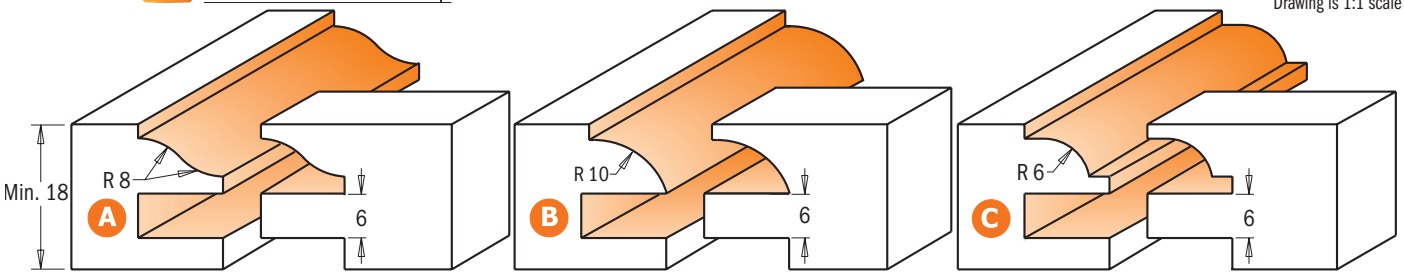

## 8/991

HW | α | Z2 | RH

The CMT male-female rail and stile sets are a perfect pair for this particular project and produce clean, precise and well-crafted joints.
Designed for working in stock from 18mm to 22mm.

**SHOP TIPS:** quality workmanship is the result of a lot of trial and error. Set aside a variety of small pieces for trial cuts.

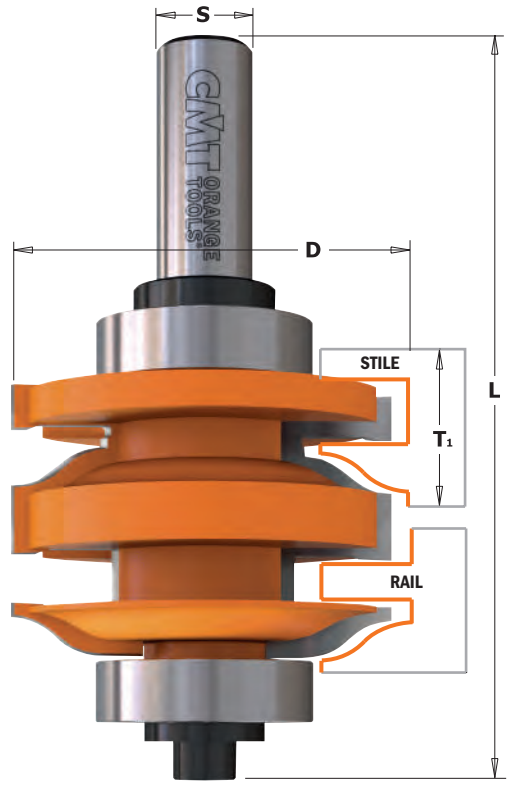
Drawing is 1:1 scale




| PROFILE | D mm | L mm | T1 mm | | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|
| A | 44.4 | 71 | 18 ÷ 22 | 5 | 991.001.11 | 991.501.11 | 891.501.11 |
| B | 44.4 | 71 | 18 ÷ 22 | 5 | | 991.502.11 | 891.502.11 |
| C | 44.4 | 71 | 18 ÷ 22 | 5 | | 991.503.11 | 891.503.11 |

*Spare parts*

| | | 0.1mm | 0.3mm | 0.9mm | |
|---|---|---|---|---|---|
| 822.003.11 | 791.012.00 | 541.515.00 | 514.516.00 | 990.407.00 | 990.020.00 |
| 822.003.11 | 791.012.00 | 541.515.00 | 514.516.00 | 990.407.00 | 990.020.00 |
| 822.003.11 | 791.012.00 | 541.515.00 | 514.516.00 | 990.407.00 | 990.020.00 |

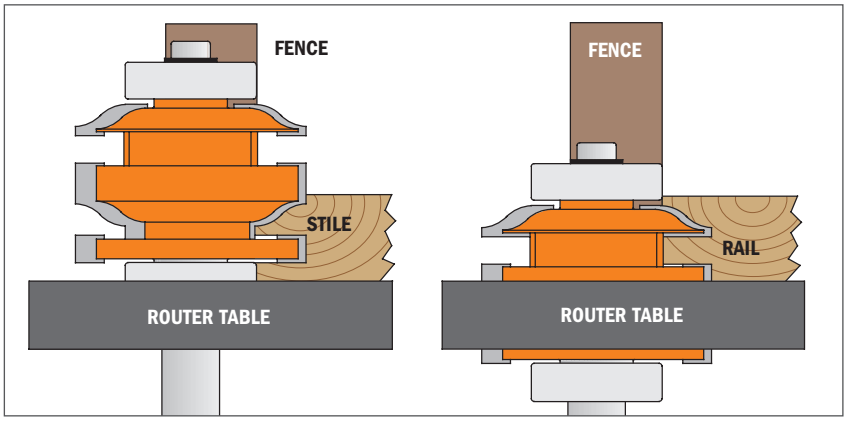



## 8/991.521

HW | Z2 | RH

The new CMT One-Piece Rail and Stile Bit represents the union of two cutters in one bit. By simply adjusting the height of the bit, you can cut two perfectly joining profiles with no wasted time or effort moving the fence or changing the bit. Save time and money by investing in one single CMT cutting tool.

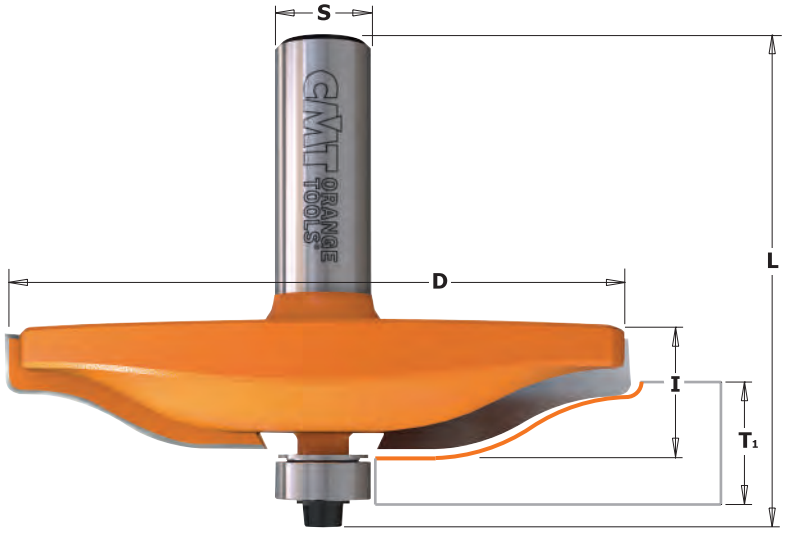
**SHOP TIPS:** the complicated nature of this kind of project requires a lot of practice and you need to carry out trial cuts. Always keep a variety of test pieces on hand.




| PROFILE | D mm | L mm | T1 mm | | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|
| A | 50.87 | 96 | 18 ÷ 22 | 10 | | 891.521.11 |
| A | 50.87 | 96 | 18 ÷ 22 | 10 | 991.521.11 | |

*Spare parts*

| | | | | | | |
|---|---|---|---|---|---|---|
| 791.027.00 | 541.002.00 | 990.005.00 | 991.056.00 | 541.551.00 | 990.010.00 | 991.064.00 |
| 791.027.00 | 541.005.00 | 990.005.00 | 991.056.00 | 541.551.00 | 990.010.00 | 991.064.00 |

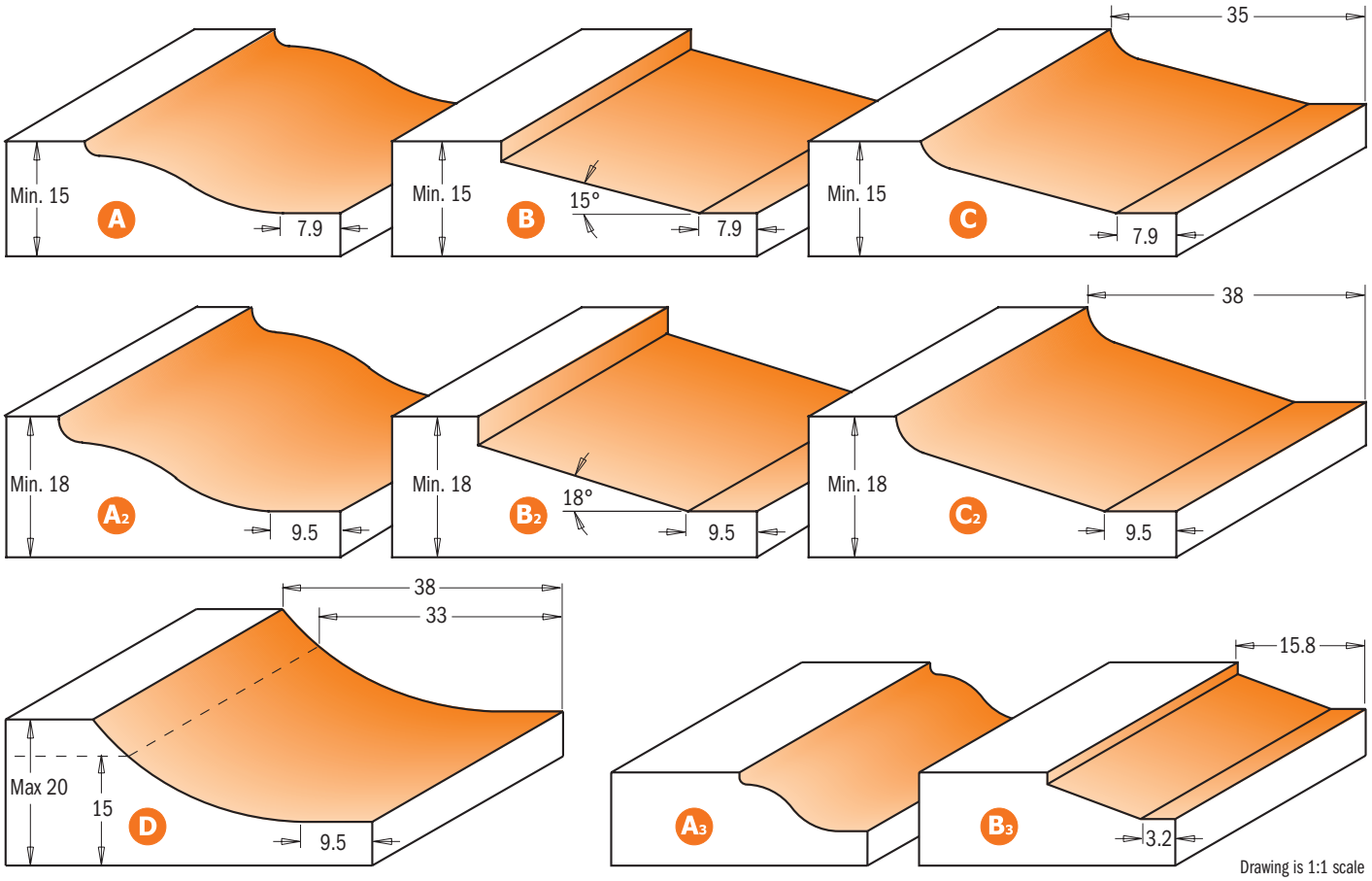



HW Z2 RH

# 8/990

Make classic raised panel doors by choosing from the profiles illustrated below. Its anti-kickback design is fundamental in further improving safety when working with larger diameter bits.

**SAFETY TIPS:** This type of bit needs to be used at a lower rotational speed, preferably between 10,000 and 12,000 RPMs. Three to five passes are recommended to safely and accurately obtain the profile you desire. To be used on routers with at least 1800 KW.




Drawing is 1:1 scale

| PROFILE | D mm | I mm | L mm | T1 mm | | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|
| A | 82.5 | 15 | 63.8 | 15 ÷ 18 | 5 | | **990.501.11** | **890.501.11** |
| B | 82.5 | 15 | 63.8 | 15 ÷ 18 | 5 | | **990.502.11** | **890.502.11** |
| C | 82.5 | 15 | 64.6 | 15 ÷ 18 | 5 | | **990.503.11** | **890.503.11** |
| A2 | 89 | 15 | 64.6 | 18 ÷ 20 | 5 | | **990.504.11** | **890.504.11** |
| B2 | 89 | 15 | 64.6 | 18 ÷ 20 | 5 | | **990.505.11** | **890.505.11** |
| C2 | 89 | 15 | 64.6 | 18 ÷ 20 | 5 | | **990.506.11** | **890.506.11** |
| D | 89 | 15 | 64.6 | 15 ÷ 20 | 5 | | **990.507.11** | **890.507.11** |
| A3 | 47.6 | 9.5 | 58.1 | 12.7 ÷ 15 | 10 | **990.011.11** | | |
| B3 | 47.6 | 9.5 | 58.1 | 12.7 ÷ 15 | 10 | **990.012.11** | | **890.512.11** |

*Spare parts*

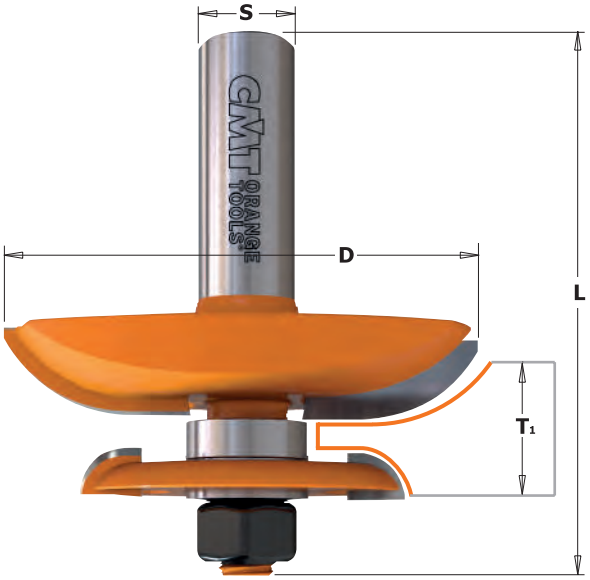
| | | | |
|---|---|---|---|
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |
| 990.423.00 | 791.003.00 | 990.058.00 | 991.057.00 |

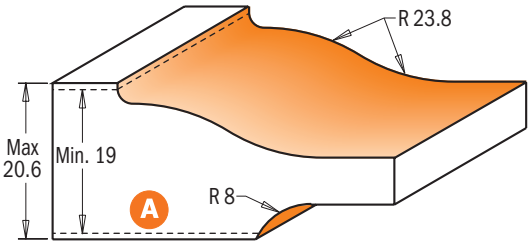
# 8/990.5

HW | Z2 | RH

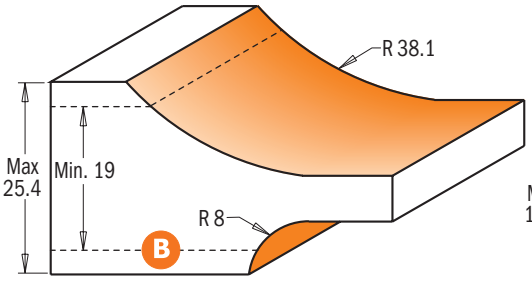
These bits have a back-cutter which allows you to rout both the front and back of the panel in the same cut which saves time and money.

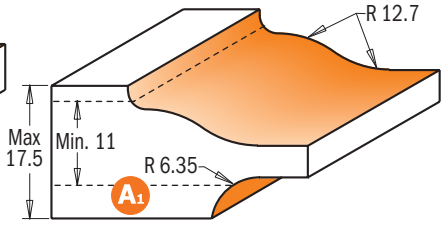
**SAFETY TIPS:** to ensure improved safety when using the Ø89mm bit, carry out the cut in 2 shallow passes: use a Ø37mm bearing for the first pass, and then a Ø16mm bearing for the second pass.

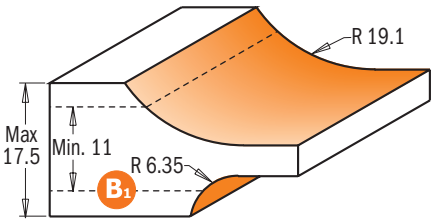


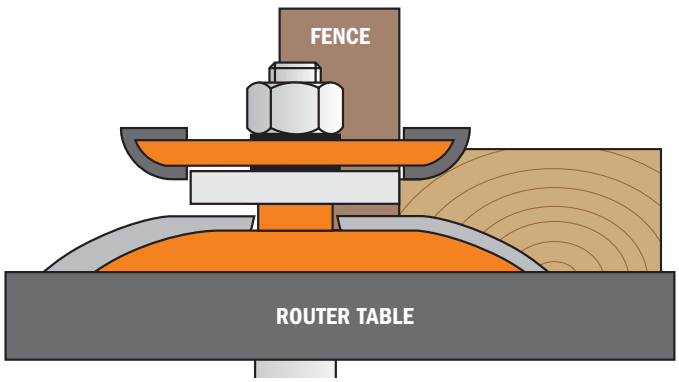



Drawing is 1:1 scale

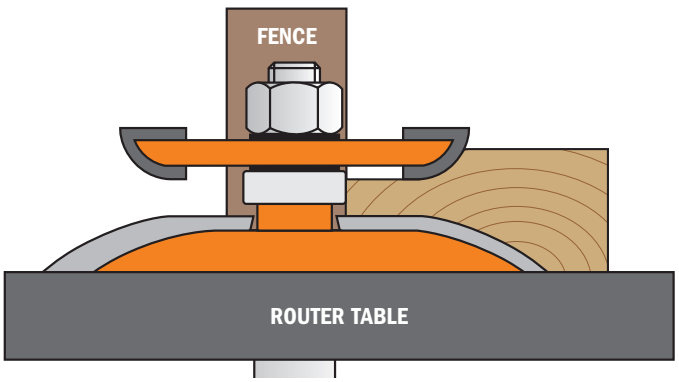



FIRST PASS WITH Ø31.7MM BEARING (FOR Ø89MM ONLY)




SECOND PASS WITH Ø16MM BEARING

| PROFILE | D mm | T1 mm | L mm | | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|
| A | 89 | 19 - 20.6 | 78.1 | 5 | **990.524.11** | **890.524.11** |
| B | 89 | 19 - 25.4 | 78.1 | 5 | **990.527.11** | **890.527.11** |
| A1 | 63.5 | 11.1 - 17.5 | 70 | 5 | **990.534.11** | **890.534.11** |
| B1 | 63.5 | 11.1 - 17.5 | 70 | 5 | **990.537.11** | **890.537.11** |

*Spare parts*

| | 16mm | 31.7mm | |
|---|---|---|---|
| 822.007.11 | 791.025.00 | 791.033.00 | 990.020.00 |
| 822.007.11 | 791.025.00 | 791.033.00 | 990.020.00 |
| 822.010.11 | 791.025.00 | | 990.020.00 |
| 822.010.11 | 791.025.00 | | 990.020.00 |

*Spare parts:* **541.515.00** 0.1mm spacer
**541.516.00** 0.3mm spacer
**541.518.00** 1.0mm spacer
**990.407.00** Shield conical

# 8/970

These bits can be used for decorative work on solid wood panels and MDF materials. Use them in one pass or in combination with CMT's MDF panel bits for complex and intricate profiles. A simple approach for an elegant appearance.

Featuring large cutting diameters and available in the most popular profiles, these panel bits guarantee excellent performance.

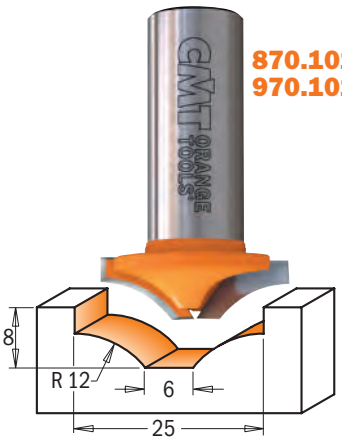
## FRESE PER PANNELLI

870.501.11
970.501.11

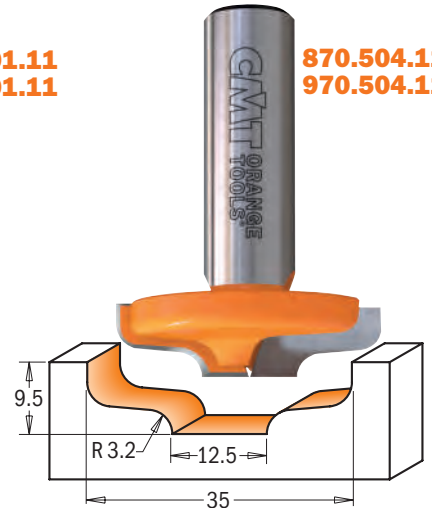
870.502.11
970.502.11

870.503.11
970.503.11

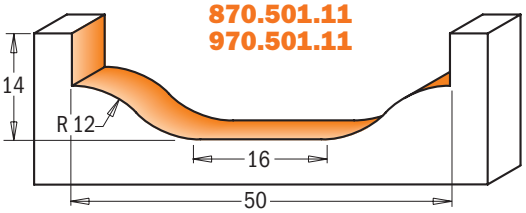
## FRESE PER MONTANTI E TRAVERSE



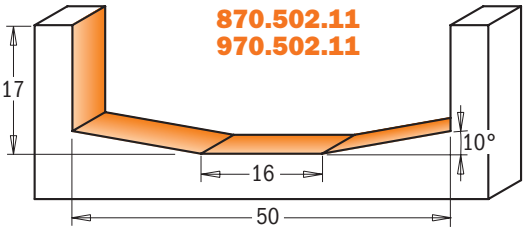

870.101.11
970.101.11



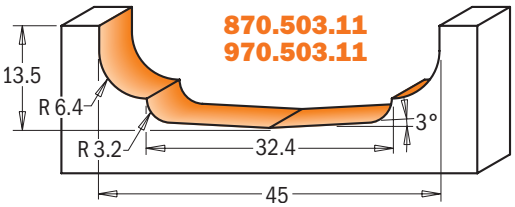

870.504.11
970.504.11



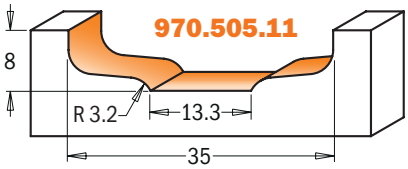

870.501.11
970.501.11




870.502.11
970.502.11

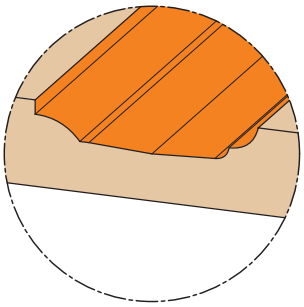



870.503.11
970.503.11

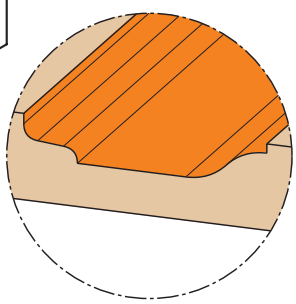



970.505.11

Drawing is 1:1 scale



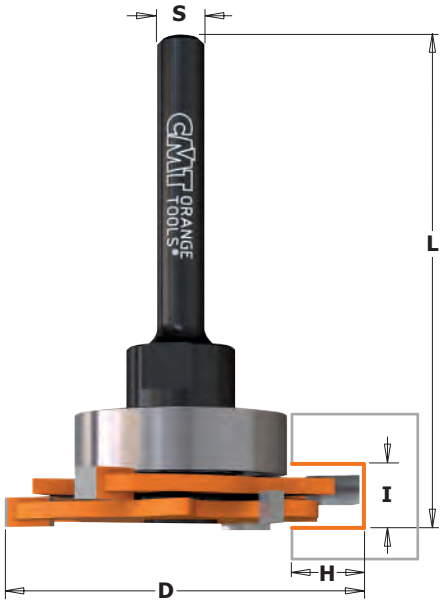
8/970.503.11
+
8/970.101.11



8/970.501.11
+
8/970.504.11

| D mm | d mm | I mm | R mm | A | L mm | | | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|---|---|
| 25 | 6 | 8 | 12 | | 39.8 | 10 | | 970.101.11 | | 870.101.11 |
| 50 | 16 | 14 | 12 | | 52.1 | 10 | | | 970.501.11 | 870.501.11 |
| 50 | 16 | 17 | | 10° | 55.1 | 10 | | | 970.502.11 | 870.502.11 |
| 45 | 32.4 | 13.5 | 3.2 - 6.4 | 3° | 51.6 | 10 | | | 970.503.11 | 870.503.11 |
| 35 | 12.5 | 9.5 | 3.2 | | 47.6 | 10 | | | 970.504.11 | 870.504.11 |
| 35 | 13.3 | 8 | 3.2 | | 46 | 10 | | | 970.505.11 | |

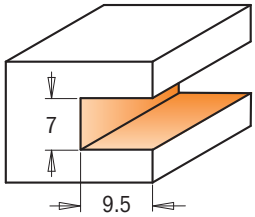
# 3-Flute Slot Cutter for STRIPLOX® Mini




## 823.371

HW Z3+3 RH

New CMT cutter for STRIPLOX® Mini connectors. These connectors are invisible joiners suited to everyday projects, custom cabinets, wood joints and any piece of cabinetry, furniture or design application. They produce a tight and strong joints either in a permanent or temporary structures making them perfectly suited for commercial, domestic and architectural furniture, kitchen, bathroom and wardrobe closets, cabinetry, commercial fit-outs plus many more applications.




Drawing is 1:1 scale

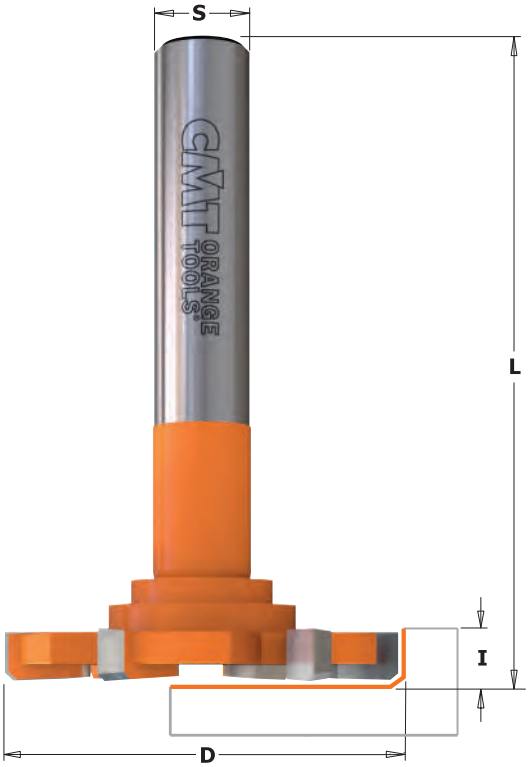
| I mm | D mm | H mm | L mm | | ORDER NO. S=Ø6.35mm | | |
|---|---|---|---|---|---|---|---|
| 7 | 47.6 | 9.5 | 65 | 10 | **823.371.11A** | | |

*Spare parts:*

| | | | |
|---|---|---|---|
| 791.030.00 | 823.340.11 | 990.055.00 | 991.067.00 |

*Spare parts:* **541.515.00** 0.1mm spacer
**541.516.00** 0.3mm spacer
**541.517.00** 0.5mm spacer

# Solid Surface - Counter Top Trim Bits

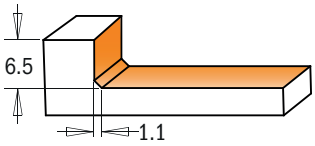



**822/922.034.11**

## 8/922.034-35

HW Z4 Z6 RH

Create even shallow recesses in countertops with this 6-wing tool. The radiused cutting tips produce an edge that's super smooth to the touch and simple to clean. For use with handheld routers.



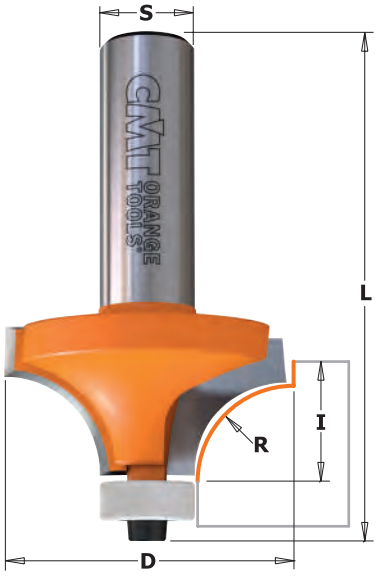

Drawing is 1:1 scale

**922.035.11**

| D mm | I mm | L mm | Z | | | | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|---|
| 52 | 6.5 | 65 | 4 | 5 | | | **922.035.11** | | |
| 52 | 6.5 | 83.5 | 6 | 5 | | | | **922.034.11** | **822.034.11** |

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

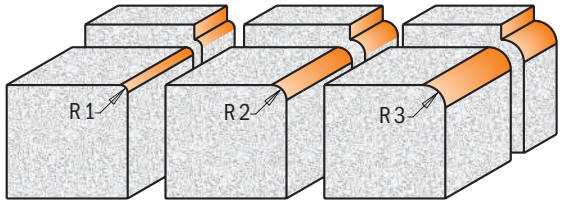
# Solid Surface - Rounding Over Bits

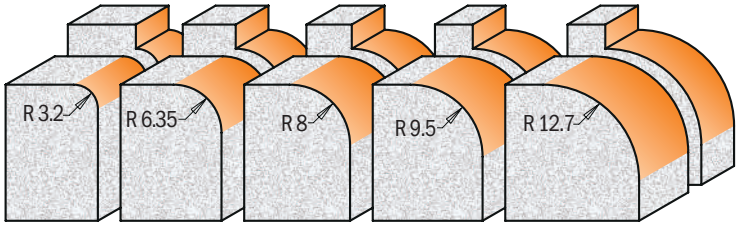



## 7/8/938 - 8/980.5

HW | α | Z2 | RH

Use these bits to create traditional roundover edges on solid surface countertops. Equipped with a non-marring DELRIN® bearing to protect finished edges. For use on hand-held portable routers.




**APPLICATION**

WILSONART®
GIBRALTAR®
CORIAN®
SURELL®
FOUNTAINHEAD®
AVONITE®
FORMICA®
Etc.

Drawing is 1:1 scale

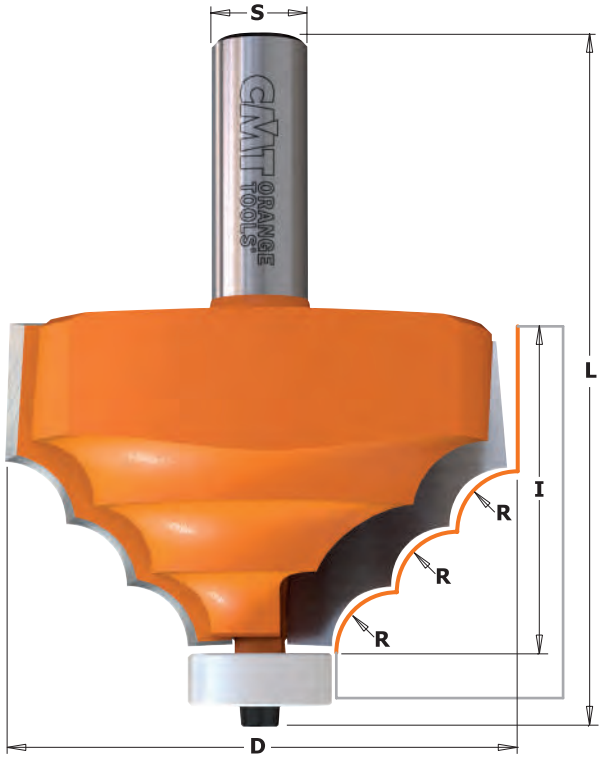
| R mm | D mm | I mm | L mm | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 14.7 | 10 | 51 | 10 | | **838.147.11** | **938.147.11** | | |
| 2 | 16.7 | 12.7 | 52.5 | 10 | **738.167.11** | | **938.167.11** | | |
| 3 | 18.7 | 12.7 | 54 | 10 | **738.187.11** | | **938.187.11** | | |
| 3.2 | 19.05 | 12.7 | 59.5 | 10 | | | | **980.501.11** | **880.501.11** |
| 6.35 | 25.4 | 12.7 | 59.5 | 10 | | | | **980.502.11** | **880.502.11** |
| 8 | 28.7 | 15 | 62.5 | 10 | | | | **980.505.11** | **880.505.11** |
| 9.5 | 31.75 | 14 | 61 | 10 | | | | **980.503.11** | **880.503.11** |
| 12.7 | 38.1 | 19.05 | 66 | 10 | | | | **980.504.11** | **880.504.11** |

*Spare parts*

| | | |
|---|---|---|
| 990.422.00 | 791.044.00 | 990.058.00 |
| 990.422.00 | 791.044.00 | 990.058.00 |
| 990.422.00 | 791.044.00 | 990.058.00 |
| 990.422.00 | 791.044.00 | 990.058.00 |
| 990.422.00 | 791.044.00 | 990.058.00 |
| 990.422.00 | 791.044.00 | 990.058.00 |
| 990.422.00 | 791.044.00 | 990.058.00 |
| 990.422.00 | 791.044.00 | 990.058.00 |

***Spare parts:*** **991.057.00** 3/32" hex key

# Solid Surface - Decorative Edge Profile Bits



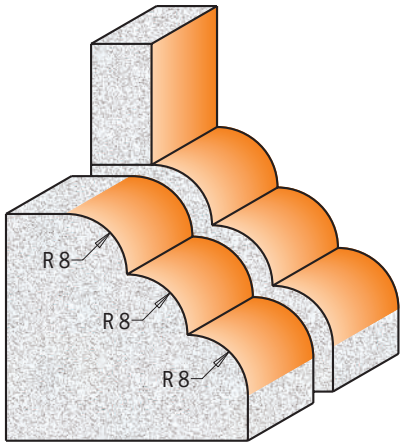

## 8/980.521

HW | α | Z2 | RH

Create elegant countertops with flawless results. Features a non-marring DELRIN® bearing to protect the finished edges. For use on hand-held portable routers.

**APPLICATION**

WILSONART®
GIBRALTAR®
CORIAN®
SURELL®
FOUNTAINHEAD®
AVONITE®
FORMICA®
Etc.




Drawing is 1:1 scale

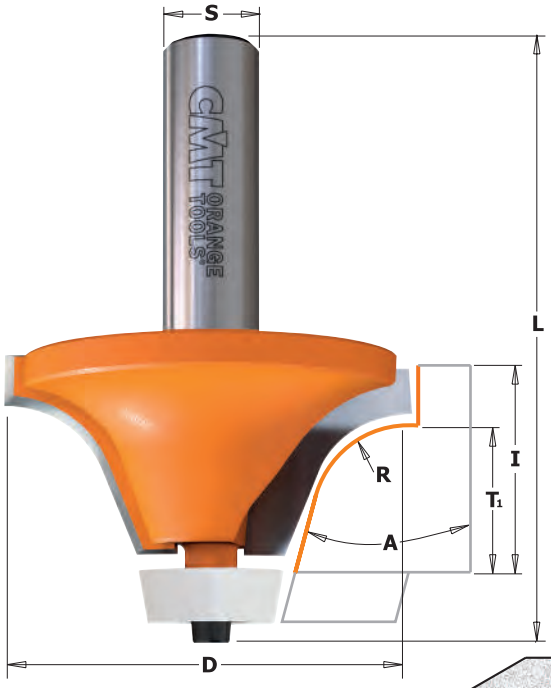
| D mm | I mm | R mm | L mm | | | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|
| 66.7 | 41.3 | 8 | 89.8 | 5 | | **980.521.11** | **880.521.11** |

*Spare parts*

| | | |
|---|---|---|
| 791.046.00 | 990.058.00 | 991.057.00 |



® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

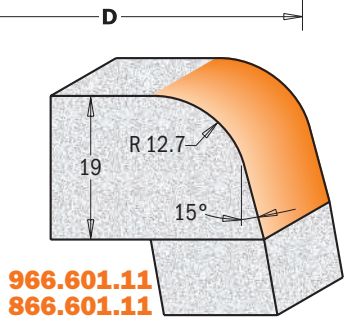



# 8/966.601/602
# 8/980.541

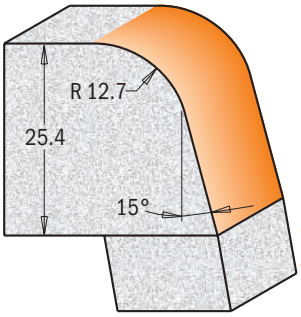
These bits are the best tool for rounding over and trimming countertop edges after the bowl is mounted. Can be used together with the CMT 8/980.551.11 bevel cutter for a flush cut-out between the countertop and the installed undermount bowl. For use on hand-held routers.
Features a non-marring DELRIN® bearing to protect the finished edges as well as surfaces.

**APPLICATION**

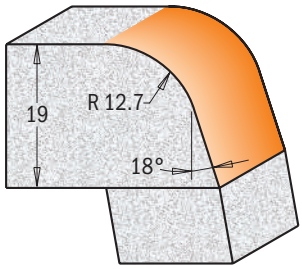
WILSONART®
GIBRALTAR®
CORIAN®
SURELL®
FOUNTAINHEAD®
AVONITE®
FORMICA®
Etc.




966.601.11
866.601.11




966.602.11
866.602.11




880.541.11
980.541.11

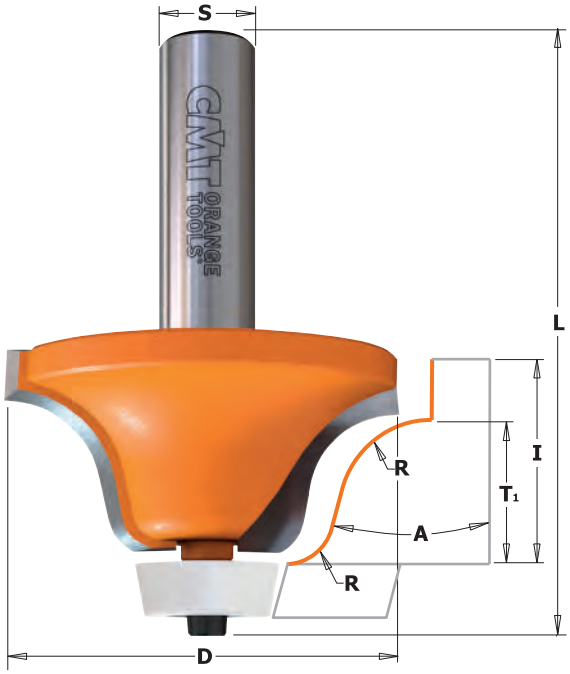
Drawing is 1:1 scale

| A | D mm | T1 mm | I mm | R mm | L mm | | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|
| 15° | 50.8 | 19 | 25.4 | 12.7 | 74.9 | 10 | 966.601.11 | 866.601.11 |
| 15° | 50.8 | 25.4 | 31.75 | 12.7 | 81.3 | 10 | 966.602.11 | 866.602.11 |
| 18° | 54 | 19 | 25.4 | 12.7 | 78.1 | 10 | 980.541.11 | 880.541.11 |

*Spare parts*

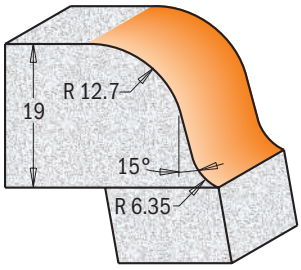
| | | |
|---|---|---|
| 791.041.00 | 990.058.00 | 991.057.00 |
| 791.041.00 | 990.058.00 | 991.057.00 |
| 791.041.00 | 990.058.00 | 991.057.00 |

## Solid Surface - Rounding Over Bowl Bit (ogee profile)




# 8/980.542

These bits roundover and trim the countertop edges after the bowl is mounted. Can be used with the CMT 8/980.551.11 bevel cutter for a flush cut-out between the countertop and installed undermount bowl.
For use on hand-held portable routers. Features a non-marring DELRIN® bearing to protect the finished edges.




Drawing is 1:1 scale

**APPLICATION**

WILSONART®
GIBRALTAR®
CORIAN®
SURELL®
FOUNTAINHEAD®
AVONITE®
FORMICA®
Etc.

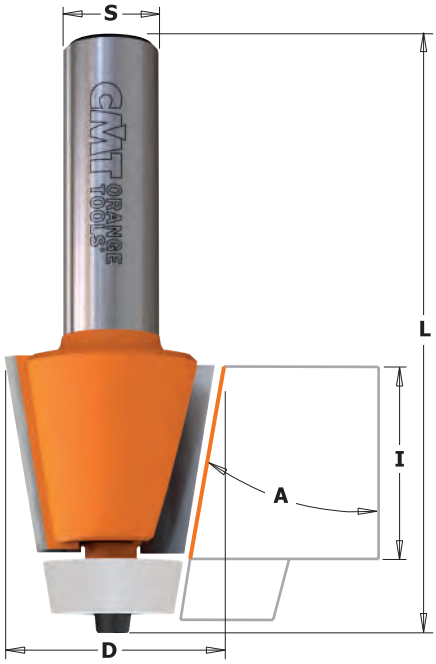
| A | D mm | T1 mm | I mm | R mm | L mm | | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|
| 15° | 54 | 19 | 25.4 | 6.35-12.7 | 77.6 | 10 | 980.542.11 | 880.542.11 |

*Spare parts*

| | | |
|---|---|---|
| 791.041.00 | 990.058.00 | 991.057.00 |

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

# Solid Surface - Bevel Bowl Bits

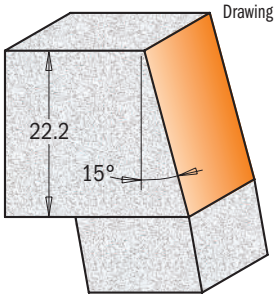



## 8/966.501 - 8/980.551

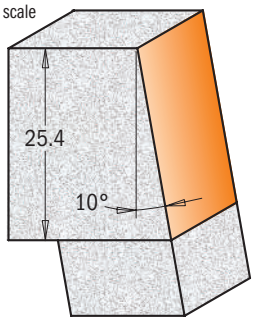
HW Z2 RH

These bits are designed for undermount applications joining the countertops and sink bowls with a beveled edge. Can be used with the **8/980.541.11** and **8/980.542.11** for complete undermount applications.
For use on hand-held routers. Features a non-marring DELRIN® bearing to protect the finished edges and surfaces.

Drawing is 1:1 scale




**866.501.11**
**966.501.11**




**880.551.11**
**980.551.11**

**APPLICATION**

**WILSONART®**
**GIBRALTAR®**
**CORIAN®**
**SURELL®**
**FOUNTAINHEAD®**
**AVONITE®**
**FORMICA®**
Etc.

| A | D mm | I mm | L mm | | | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|
| 15° | 31.7 | 22.2 | 72 | 10 | | **966.501.11** | **866.501.11** |
| 10° | 28.5 | 25.4 | 77 | 10 | | **980.551.11** | **880.551.11** |

*Spare parts*

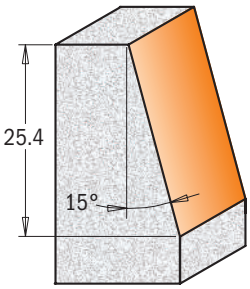
| | | |
|---|---|---|
| 791.041.00 | 990.058.00 | 991.057.00 |
| 791.041.00 | 990.058.00 | 991.057.00 |

# Solid Surface - Bevel Bit

## 8/981.521

HW Z2 RH

Edge profile bit designed to create a 15° beveled edge on solid surface countertops. Can also be used for European type topmount installation with sinks and bowls. For use on hand-held portable and table routers.




Drawing is 1:1 scale

**APPLICATION**

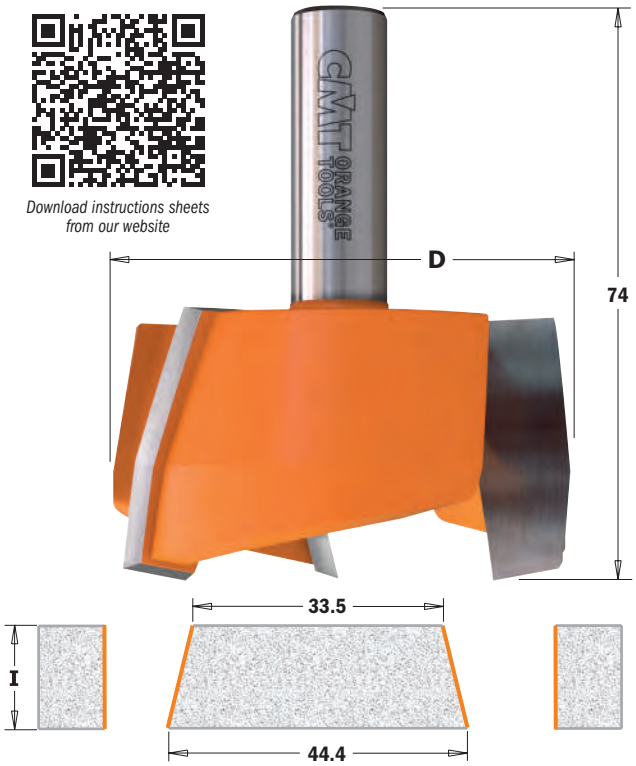
**WILSONART®**
**GIBRALTAR®**
**CORIAN®**
**SURELL®**
**FOUNTAINHEAD®**
**AVONITE®**
**FORMICA®**
Etc.

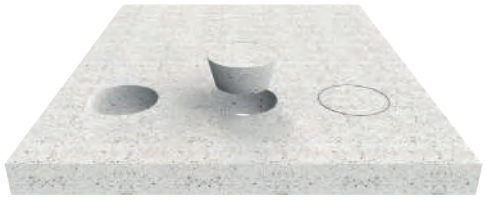
| D mm | d mm | I mm | A | L mm | | | | | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|---|---|
| 23 | 9.53 | 25.4 | 15° | 63.5 | 10 | | | | **981.521.11** | **881.521.11** |



® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

Download instructions sheets from our website



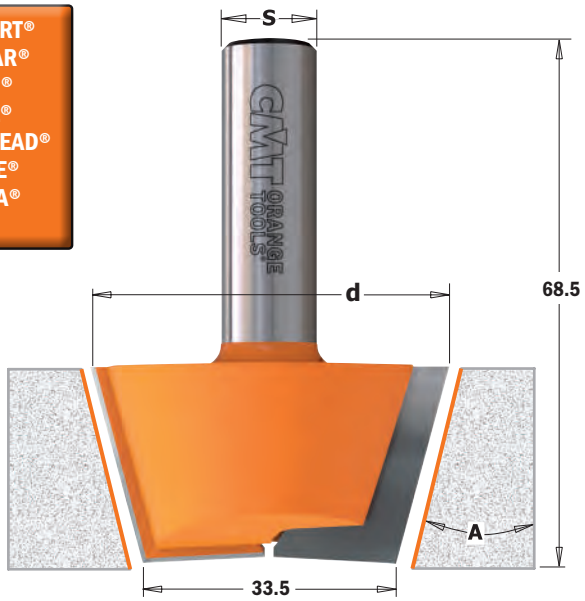
## 9/881.541

HW | α | Z2 | Z3 | RH

These special carbide-tipped bits work best on solid surfaces or when repairing damaged surfaces. One bit creates the plug, then the other bit easily carves out the hole. Your surfaces will look like new again!
For use with hand-held routers or CNC machines.

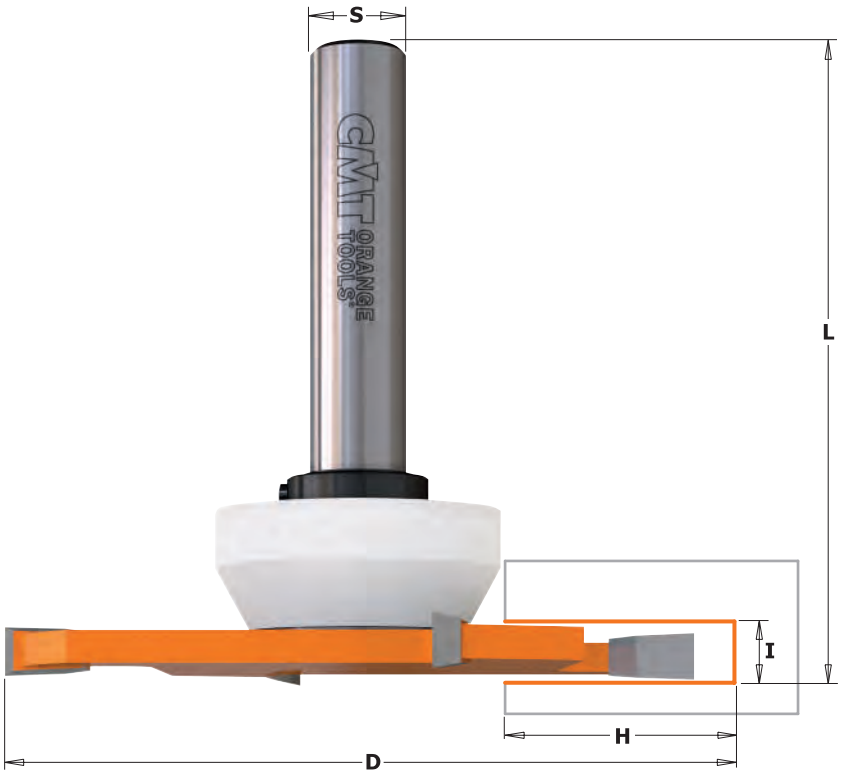
**APPLICATION**

WILSONART®
GIBRALTAR®
CORIAN®
SURELL®
FOUNTAINHEAD®
AVONITE®
FORMICA®
Etc.




| d mm | D mm | I mm | A | L mm | | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|
| 47.6 | 63.5 | 20 | 15° | 68.5-74 | 5 | **981.541.11** | **881.541.11** |

## 4-Wing Cut Out Slot Cutters for Solid Surfaces



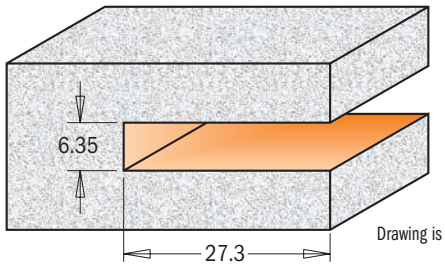

HW | Z4 | RH

## 8/922.033B

This bit features two tungsten carbide-tipped cutting edges for carving out solid surface undermount bowls in composite.
For use on hand-held routers. Bit also equipped with a non-marring DELRIN® bearing to protect your surfaces.

**APPLICATION**

WILSONART®
GIBRALTAR®
CORIAN®
SURELL®
FOUNTAINHEAD®
AVONITE®
FORMICA®
Etc.




Drawing is 1:1 scale

| D mm | I mm | H mm | L mm | | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|
| 92 | 6.35 | 27.3 | 82.5 | 5 | **922.033.11B** | **822.033.11B** |

*Spare parts*

| | | | |
|---|---|---|---|
| 541.553.00 | 791.047.00 | 541.002.00 | 991.056.00 |

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

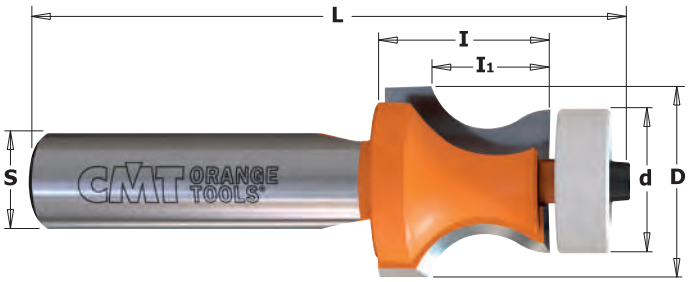
# Solid Surface - No-Drip Bit

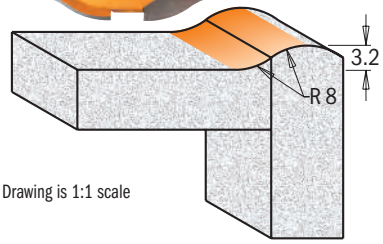
## 8/981.501

This bit is designed to create “no-drip” edges on kitchen and vanity countertops in one simple step. Designed for hand-held portable routers on applications where a guide bearing cannot be used. This one bit will cut both the outer and inner profiles creating a slightly raised edge, controlling spilled liquids.

**APPLICATION**

WILSONART®
GIBRALTAR®
CORIAN®
SURELL®
FOUNTAINHEAD®
AVONITE®
FORMICA®
Etc.

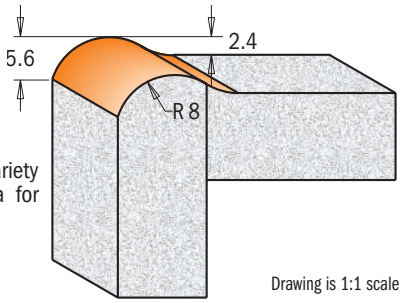



Drawing is 1:1 scale

## 8/980.531

This bit creates strong and reliable joints in a variety of composites thanks to greater surface area for applying glue.




Drawing is 1:1 scale

| D mm | d mm | I mm | I1 mm | R mm | L mm | | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|
| 25.4 | | 12.7 | 3.2 | 8 | 63.5 | 10 | **981.501.11** | **881.501.11** |
| 25.4 | 19 | 22.2 | 15.88 | 8 | 77 | 10 | **980.531.11** | **880.531.11** |

*Spare parts*

| | | |
|---|---|---|
| 791.046.00 | 990.058.00 | 991.057.00 |

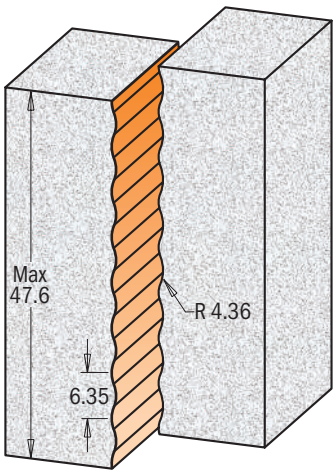
# Solid Surface - Wavy Joint Bit

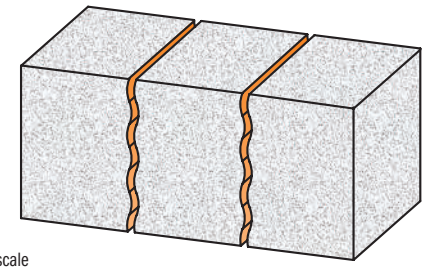
## 8/981.531

These bits are ideal for making strong joints on any solid surface, thanks to a wider surface area for glue application.

**APPLICATION**

WILSONART®
GIBRALTAR®
CORIAN®
SURELL®
FOUNTAINHEAD®
AVONITE®
FORMICA®
Etc.



Drawing is 1:1 scale

| D mm | I mm | R mm | L mm | | | | | | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|---|---|
| 15.88 | 51.5 | 4.36 | 89 | | 10 | | | | **981.531.11** | **881.531.11** |



® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

# Solid Surface - Drainboard Bits

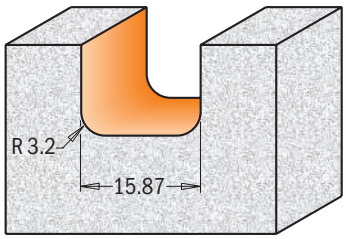
## 8/981.511-512

HW | Z2 | RH

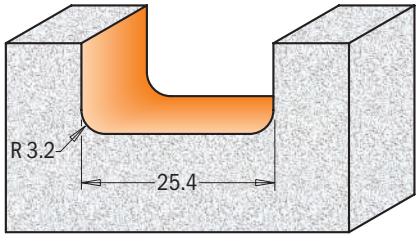
This bit is ideal for creating custom drainboard patterns in solid surface countertops. For use on hand-held portable routers.

**APPLICATION**

WILSONART®
GIBRALTAR®
CORIAN®
SURELL®
FOUNTAINHEAD®
AVONITE®
FORMICA®
Etc.

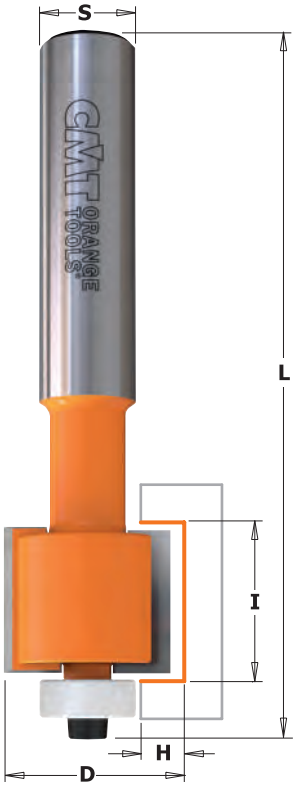



Drawing is 1:1 scale




| D mm | I mm | R mm | L mm | | | | | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|---|
| 15.88 | 12.7 | 3.2 | 63.5 | 10 | | | | 981.511.11 | 881.511.11 |
| 25.4 | 12.7 | 3.2 | 69.8 | 10 | | | | 981.512.11 | 881.512.11 |

# Solid Surface - Inlay Bits




## 8/980.511-512-513

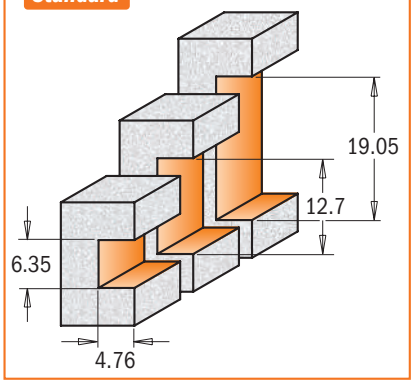
HW | Z2 | RH

Add a decorative inlay to solid surface countertops in composite.
Equipped with a non-marring DELRIN® bearing to protect the finished edges.
For use on hand-held portable and table routers.

**APPLICATION**

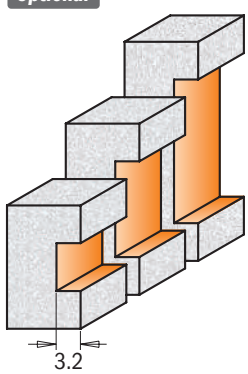
WILSONART®
GIBRALTAR®
CORIAN®
SURELL®
FOUNTAINHEAD®
AVONITE®
FORMICA®
Etc.

***Standard***

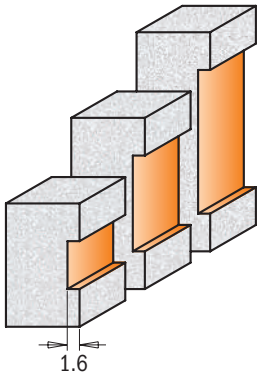



Drawing is 1:1 scale

***Optional***




*optional with* bearing **791.045.00**




*optional with* bearing **791.046.00**

| D mm | I mm | H mm | L mm | | | | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|
| 22.2 | 6.35 | 4.76 | 77 | | | 10 | 980.511.11 | 880.511.11 |
| 22.2 | 12.7 | 4.76 | 90 | | | 10 | 980.512.11 | 880.512.11 |
| 22.2 | 19.05 | 4.76 | 90 | | | 10 | 980.513.11 | 880.513.11 |

*Spare parts*

| | | |
|---|---|---|
| 791.044.00 | 990.058.00 | 991.057.00 |
| 791.044.00 | 990.058.00 | 991.057.00 |
| 791.044.00 | 990.058.00 | 991.057.00 |

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

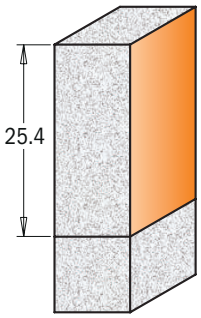
## 8/980.57

HW Z2 RH

Trim a sink cut-out flush with the bowl in stages using these "over-hang" and flush trim bits. The DELRIN® bearings are tapered to match the slope of the bowl's side. A first pass with the over-hang bit cleans the cut-out edge, leaving a slight over-hang on the underside of the counter. A second pass with the flush-trim bit completes the operation. Made from super micrograin carbide for guaranteed longer life!

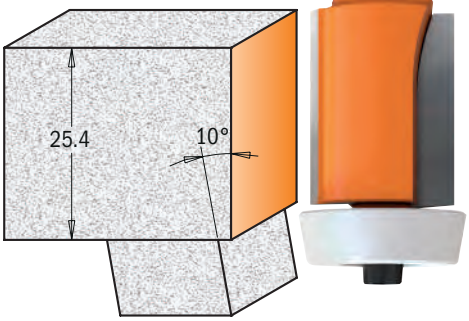
**APPLICATION**

WILSONART®
GIBRALTAR®
CORIAN®
SURELL®
FOUNTAINHEAD®
AVONITE®
FORMICA®
Etc.




880.571.11
980.571.11

Drawing is 1:1 scale




880.572.11
980.572.11

| D mm | I mm | A | L mm | | | | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|
| 19.05 | 25.4 | | 78 | | | 10 | 980.571.11 | 880.571.11 |
| 22 | 25.4 | 10° | 78 | | | 10 | 980.572.11 | 880.572.11 |

*Spare parts*

| | | |
|---|---|---|
| 791.046.00 | 990.058.00 | 991.057.00 |
| 791.048.00 | 990.058.00 | 991.057.00 |

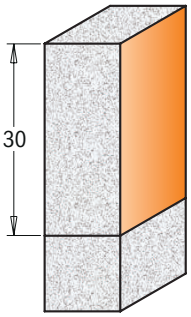
## 8/980.56

INSERT CARBIDE Z2 RH 2X CUTTING

Trim a sink cut-out flush with the bowl in stages using these "over-hang" and flush trim bits. The DELRIN® bearings are tapered to match the slope of the bowl's side. A first pass with the overhang bit 8/980.562.11 cleans the cut-out edge, leaving a slight over-hang on the underside of the counter. A second pass with the flush-trim bit 8/980.561.11 completes the operation.
Knives made from super micrograin carbide and sharpened on both sides guarantee longer life!

**APPLICATION**

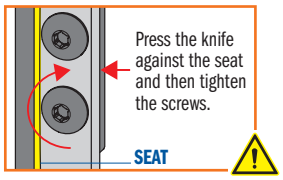
WILSONART®
GIBRALTAR®
CORIAN®
SURELL®
FOUNTAINHEAD®
AVONITE®
FORMICA®
Etc.



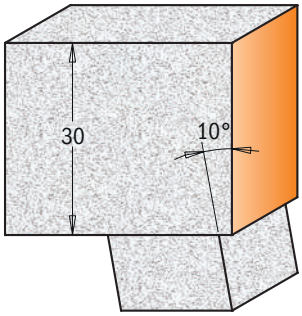

880.561.11
980.561.11

Drawing is 1:1 scale

CORRECT KNIFE POSITIONING




880.562.11
980.562.11




Drawing is 1:1 scale

**SAFETY TIPS**

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

| D mm | I mm | A | L mm | | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|
| 19.05 | 30 | | 83 | 10 | 980.561.11 | 880.561.11 |
| 22 | 30 | 10° | 83 | 10 | 980.562.11 | 880.562.11 |

*Spare parts*

| | | | | | |
|---|---|---|---|---|---|
| 790.300.03 | 990.075.00 | 991.061.00 | 791.046.00 | 990.058.00 | 991.057.00 |
| 790.300.03 | 990.075.00 | 991.061.00 | 791.048.00 | 990.058.00 | 991.057.00 |



® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

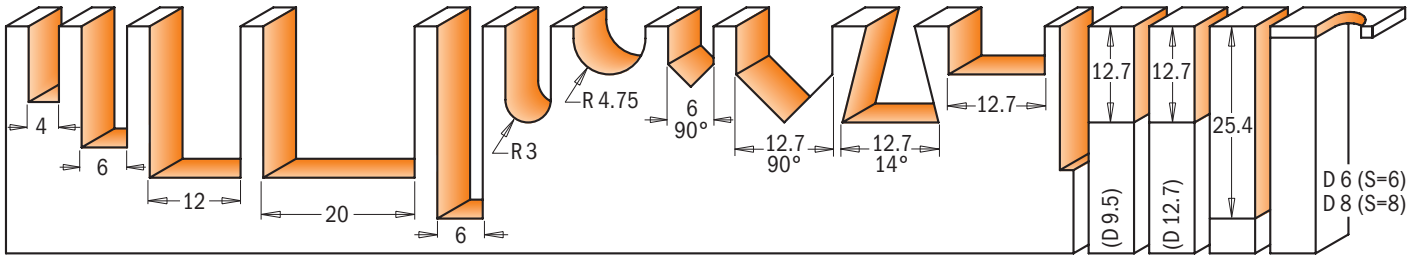
## 900.003

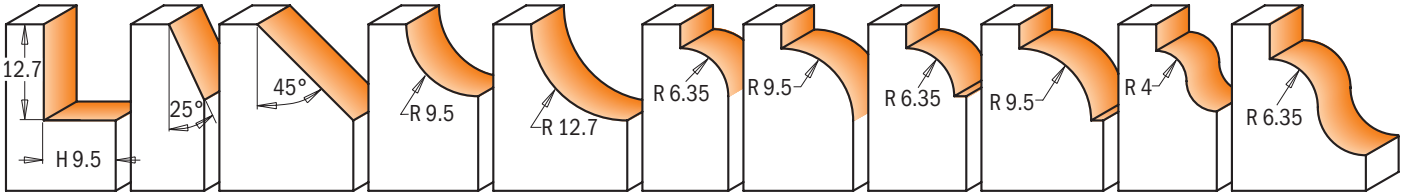
HWM HW Z2 RH

Find a whole workshop in this practical 26 piece router bit set! An endless selection of tools to express your woodworking creativity! Every cutting tool is made from the highest quality tungsten carbide and features our trademarked PTFE orange coating.
Comes with a snap-lock case for safe storage!

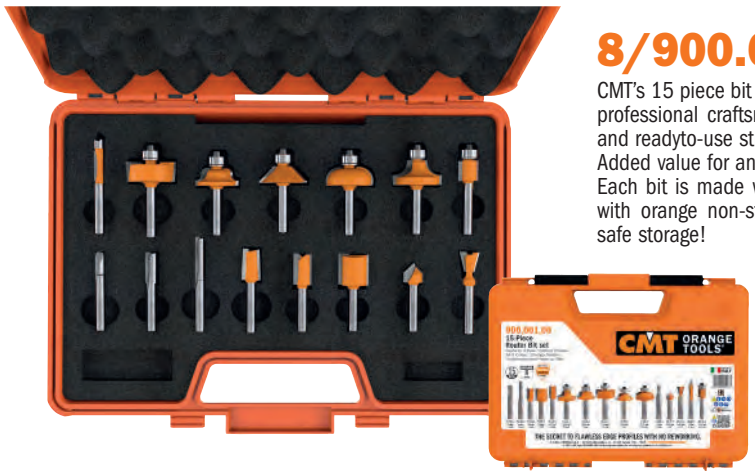
| DESCRIPTION | | ORDER NO. S=Ø8mm |
|---|---|---|
| 26 Piece Router Bit Set | 1 | 900.003.00 |

Drawing is 1:1 scale




## 15 Piece Router Bit Set

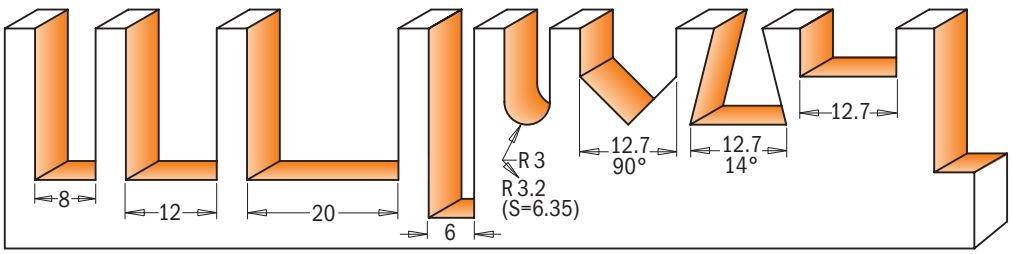



## 8/900.001

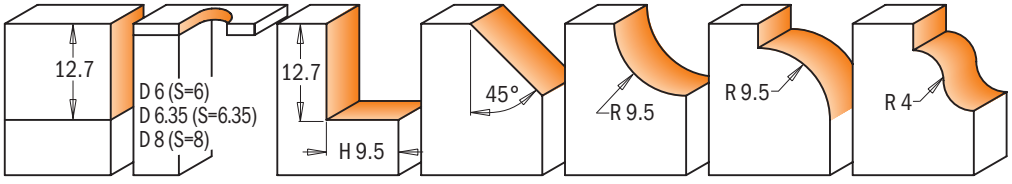
HWM HW Z2 RH

CMT's 15 piece bit router bit set is the perfect companion for the professional craftsman. This set offers a selection of organized and readyto-use straight and profile bits.
Added value for any woodworker!
Each bit is made with micrograin tungsten carbide and coated with orange non-stick PTFE Comes with a snap-lock case for safe storage!

| DESCRIPTION | | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm |
|---|---|---|---|
| 15 Piece Router Bit Set | 1 | 800.001.00 | 900.001.00 |




Drawing is 1:1 scale



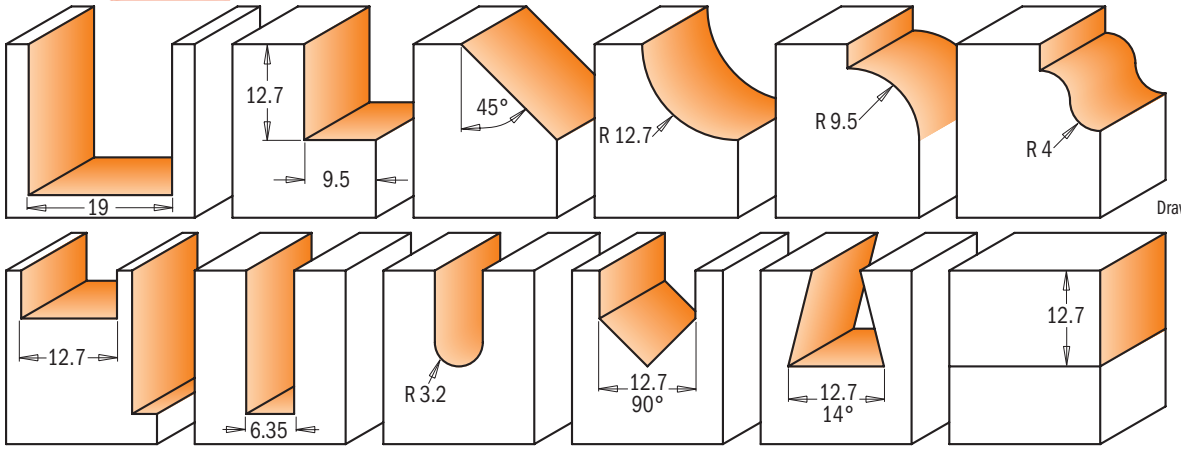
# 12 Piece Router Bit Set

## 800.503

HWM HW α Z2 RH

CMT's 12 most frequently used 6.35mm shank router bits assembled in a compact and attractive case for your convenience! The perfect case for any professional woodworker!
Comes with a snap-lock case for safe storage!

| DESCRIPTION | | ORDER NO. S=Ø6.35mm |
|---|---|---|
| 12 Piece Router Bit Set | 1 | **800.503.11** |




Drawing is 1:1 scale

# 13 Piece Router Bit Set

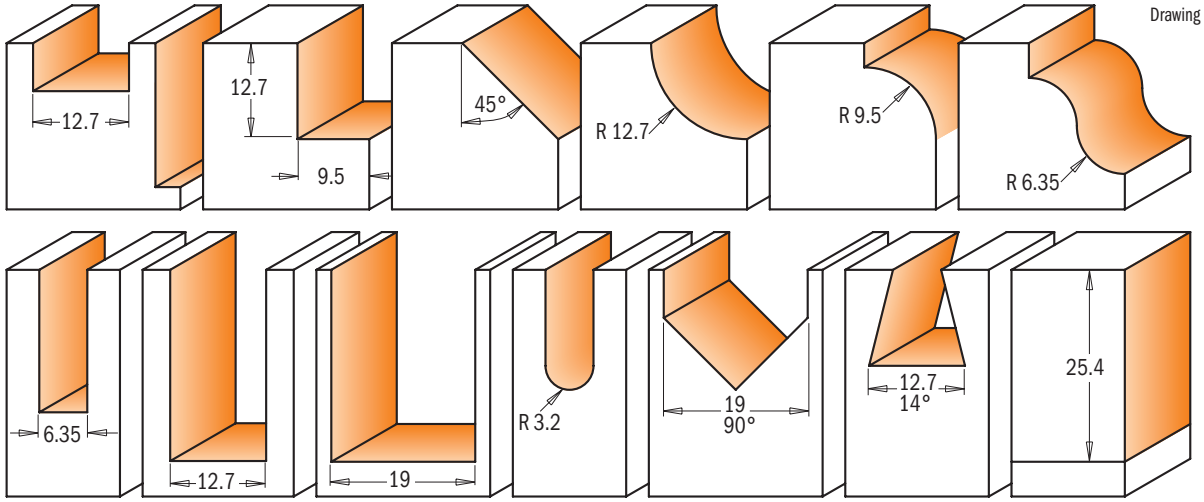
## 800.505

HWM HW α Z2 RH

CMT's 13 most frequently used 12.7mm shank router bits assembled in a compact and attractive case for your convenience!
Unique design that comes with a snap-lock case for safe storage!

| DESCRIPTION | | ORDER NO. S=Ø12.7mm |
|---|---|---|
| 13 Piece Router Bit Set | 1 | **800.505.11** |

Drawing is 1:1 scale

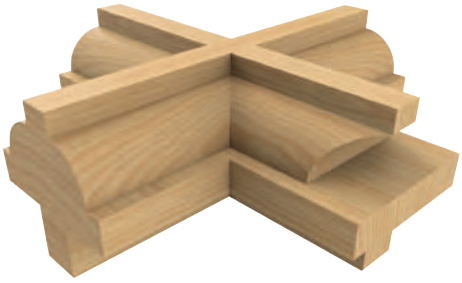


# Divided Light Door Set

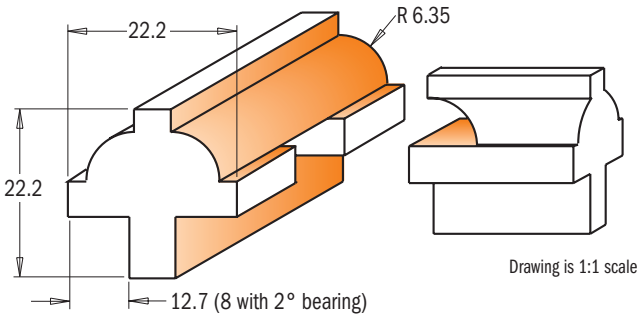
## 800.525 - 900.025

HW | α | Z2 | RH

Build authentic divided light doors for fine furniture and cabinets with these 3 piece sets.
They include a stuck bit to cut the decorative ovolo profile on the frame edges, a cope to shape the mating profile on the ends of the stock, and a rabbeting bit to cut the recess for the glass. Thanks to the guide bearings, you can also create arches on curved frames.
The unique design of the cope bit allows you to use full-length tenons to create strong, authentic mortise-and-tenon joinery. As the stock is coped, the tenon passes over the bit.
These sets are designed for 22.2mm wide bars such as those on corner cupboard doors.



| DESCRIPTION | | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|
| Divided Light Door Set | 1 | 900.025.11 | 800.525.11 |




Drawing is 1:1 scale

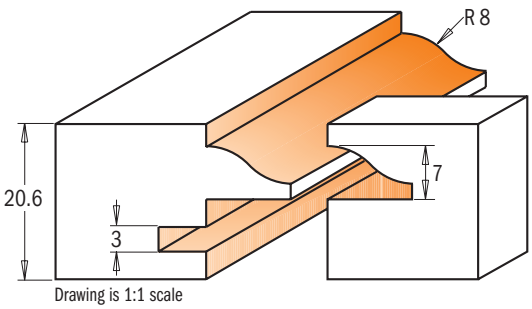
# Glass Panel Set

## 8/955.803

HW | Z2 | Z3 | RH

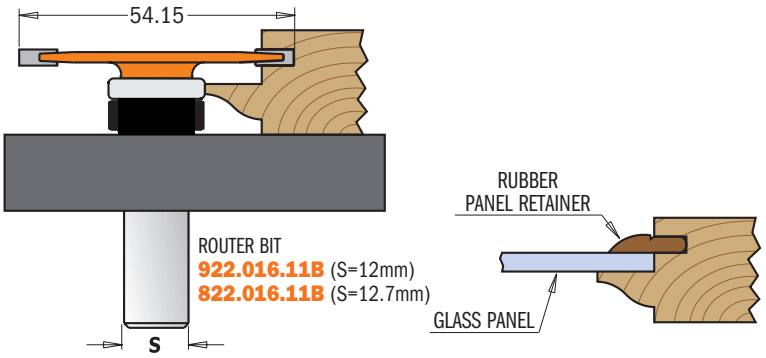
CMT's unique stile and rail router bit sets allow you to produce glass panel doors by using a rubber panel retainer to secure the glass in a 3.2mm slot cut into the frames. These bits work the same as other CMT stile and rail sets, but they leave you with a square rabbet on the inside of your door for installing the glass panel.
Available in 12mm and 12.7mm shanks.

| DESCRIPTION | | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|
| Glass Panel Set | 1 | 955.803.11 | 855.803.11 |




Drawing is 1:1 scale

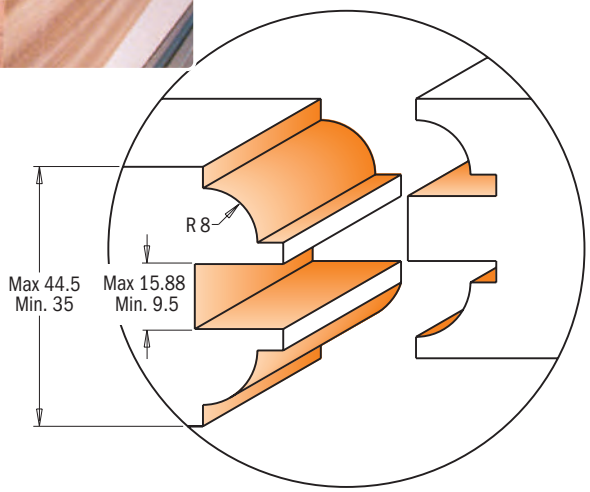
### GLASS PANEL RETAINERS



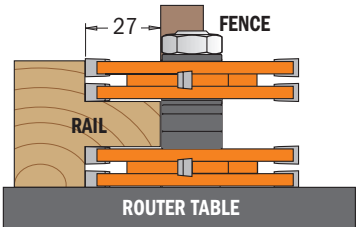

**HERE'S HOW IT WORKS:**
Mill the cope and pattern cuts first, then use the slot cutter to cut the groove for the rubber panel retainer. The edge of the pattern cut will ride on the bearing of the slot cutter bit. When you cut the slot in the rails you can cut the slot the full length of the stock. When you cut the slot in the stiles you need to set up reference points to stop and start the cuts so they are hidden from view on the top and bottom of the doors.

# 8/900.527

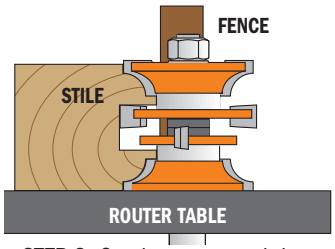
This is a multifunctional set for door and furniture makers, building entry or passage doors and furniture tenons. The tenon cutter included in the set, produces a beefy 27mm long tenon. As an extra bonus, the tenon cutter can be used for making furniture requiring tenons anywhere from 9.5mm to 16mm in thickness.



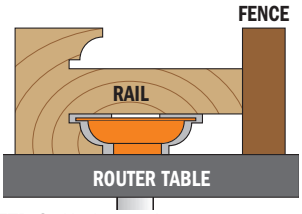

## ENTRY & INTERIOR DOOR CONSTRUCTION EASY AS 1, 2, 3!




**STEP 1.** Cut the tenon into the rails

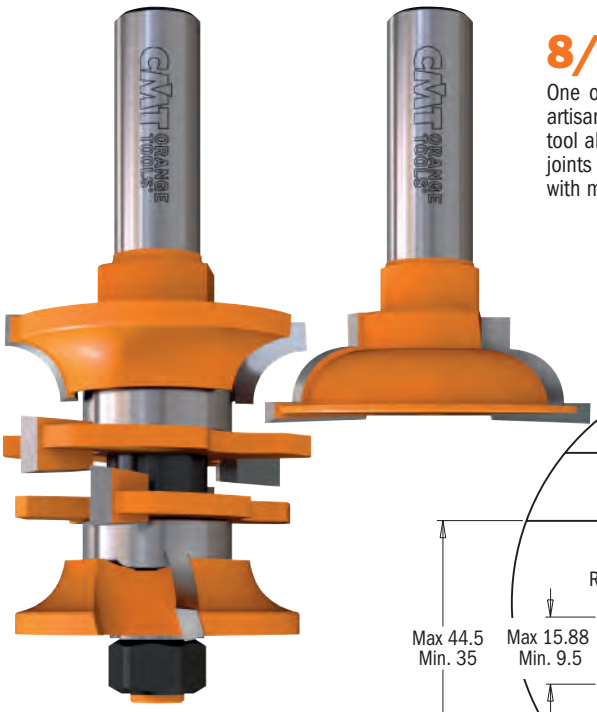



**STEP 2.** Cut the groove and door profile in pieces.




**STEP 3.** Undercut the tenons to cope the ends of the rails.

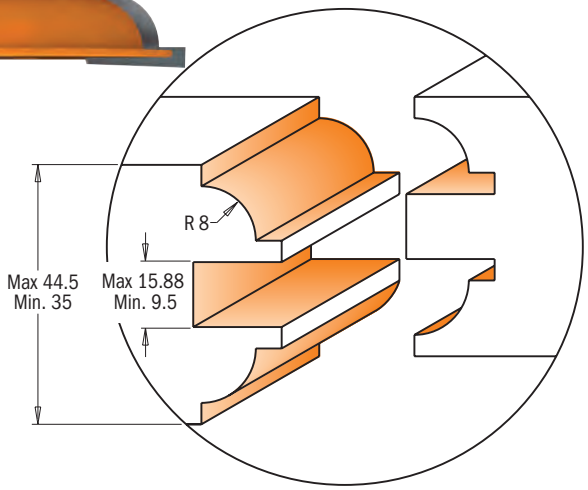
| DESCRIPTION | | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|
| 3 Piece Entry & Interior Door Router Bit Set | 1 | **900.527.11** | **800.527.11** |



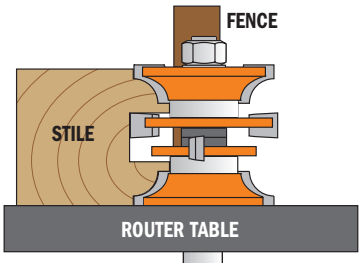
## 8/955.806

HW | α | Z2 | RH

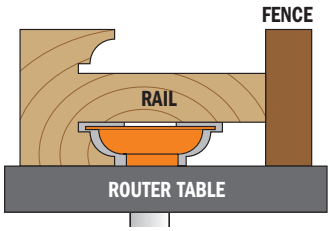
One of the more popular bits among both artisans and professional carpenters, this tool allows you to create tongue and-groove joints and produce entry and passage doors with minimal effort. Incredible versatility!




### ENTRY & INTERIOR DOOR CONSTRUCTION




**APPLICATION 1:** cut the groove and the door profile in all pieces.




**APPLICATION 2:** undercut the tenon to cope the ends of the rails.

| D mm | I mm | | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|
| 44.5-48 | 35-44.5 | 5 | **955.806.11** | **855.806.11** |

*Spare parts*

| 8-22mm | DOWN | UP | | 0.1mm | 0.3mm | 3mm | |
|---|---|---|---|---|---|---|---|
| 791.005.00 | 822.021.11A | 822.021.11B | 822.022.11 | 541.515.00 | 541.516.00 | 541.500.00 | 990.020.00 |

# Tenon Cutting Bits

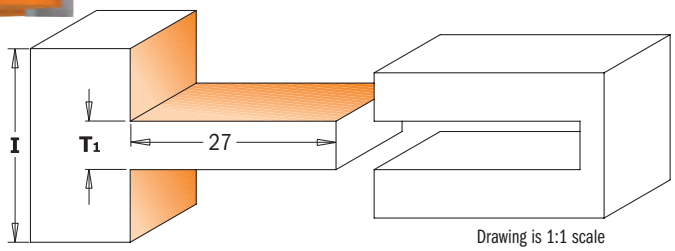
## 8/900.628

## 8/900.627

HW | Z2 | RH

CMT's tenon cutting router bit will produce the most perfect fitting tenons in every board you cut, even if the boards vary in thickness. Simply set the distance between the cutters using the included spacers, and you can easily cut tenons from 4.76mm to 9.5mm thick, and up to 27mm long. This simple-to-use router bit takes the mystery out of tenon-to-mortise fit required for high quality joinery.

*Maximum speed*
**MAX RPM 12.000**




Drawing is 1:1 scale

### 8-900.627

| T1 | SPACER (mm) | | |
|---|---|---|---|
| | 6.35mm | 3.2mm | 1.6mm |
| 4.76mm | 1 | 0 | 0 |
| 6.35mm | 1 | 0 | 1 |
| 8mm | 1 | 1 | 0 |
| 9.5mm | 1 | 1 | 1 |

| D mm | I mm | T1 mm | | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|
| 75 | 34.9 | 4.76-9.5 | 5 | **900.627.11** | |
| 75 | 34.9 | 4.76-9.5 | 5 | | **800.627.11** |
| 75 | 44.5 | 9.5-15.8 | 5 | **900.628.11** | |
| 75 | 44.5 | 9.5-15.8 | 5 | | **800.628.11** |

*Spare parts*

| | | 0.1mm | 0.3mm | 1.6mm | 3.2mm | 6.2mm | |
|---|---|---|---|---|---|---|---|
| 924.134.00 | 822.020.11 | 541.526.00 | 541.520.00 | 541.521.00 | 541.522.00 | 541.523.00 | 990.022.00 |
| 824.134.00 | 822.020.11 | 541.526.00 | 541.520.00 | 541.521.00 | 541.522.00 | 541.523.00 | 990.022.00 |
| 924.135.00 | 822.020.11 | 541.526.00 | 541.520.00 | 541.521.00 | 541.522.00 | 541.523.00 | 990.022.00 |
| 824.135.00 | 822.020.11 | 541.526.00 | 541.520.00 | 541.521.00 | 541.522.00 | 541.523.00 | 990.022.00 |

# The Cabinetmaking Set

HW | Z2 | RH

Available with raised panel bits in two different profiles, these sets feature six router bits for making arched raised panel doors and professional drawer fronts. These sets include:

**OGEE RAIL & STILE BITS:** these two perfectly matched tools will eliminate the frustration of setting up reversible cutters. The stile bits also feature shear angles for neater cuts.

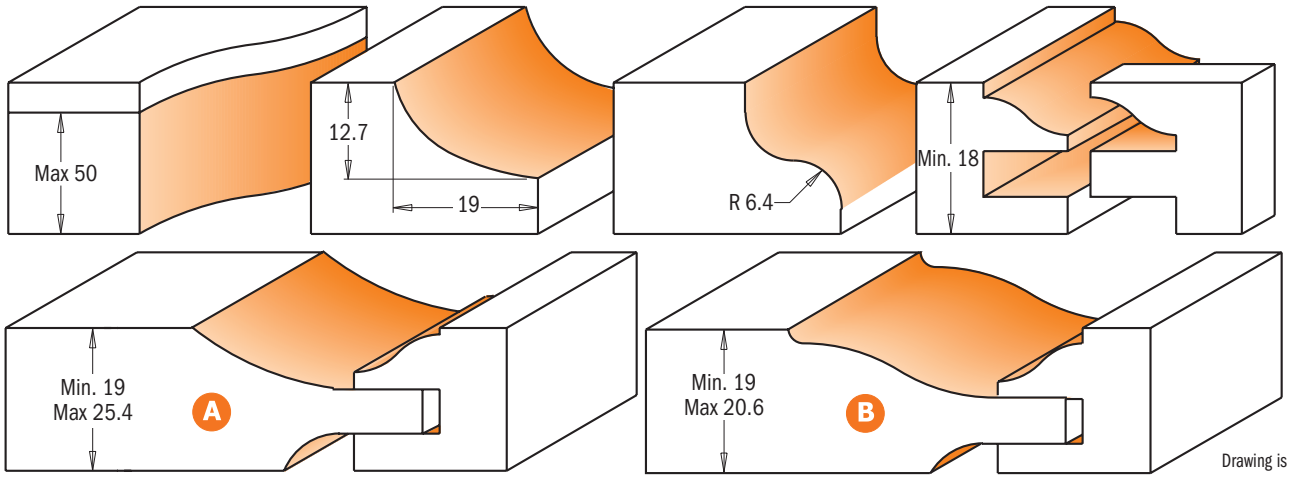
**RAISED PANEL BIT WITH BACKCUTTER:** this 88.9mm diameter bit features a backcutter for milling both the front and the back on the panel in a single cut. We recommend using a 31mm diameter bearing to work safely in two shallow passes.

**SUPER-DUTY FLUSH TRIM BIT:** this 19mm diameter bit gives you a superior cut with minimal chipping, even on end grain.

**OGEE DOOR EDGE BIT:** a subtle cove followed by a subtle roundover adds an elegant touch to your door edge.

**DRAWER FRONT BIT:** this bit makes a mini-raised panel cut on the outside edges of your drawer fronts.

| DESCRIPTION | | | ORDER NO. S=Ø12.7mm |
|---|---|---|---|
| The Cabinetmaking Set - Profile A | (6 pcs. HW) | 1 | 800.515.11 |
| The Cabinetmaking Set - Profile B | (6 pcs. HW) | 1 | 800.520.11 |




Drawing is 1:1 scale

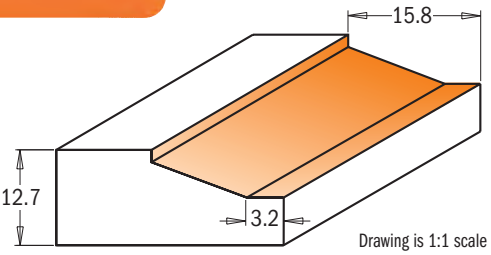
# Small Arch Door Set

## 800.524 - 900.024

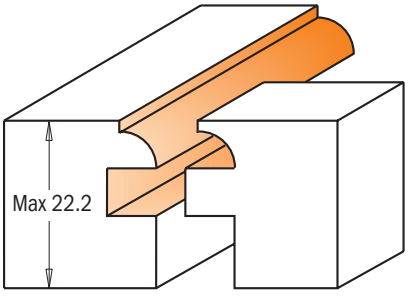
HW | Z2 | RH

These 3 piece sets will produce beautifully raised panel doors with a classic bevelled profile. Designed for use in fine furniture making, these sets include two matched cope and stick bits to produce frames from 15.8mm to 19mm in thickness. The stick bit shapes a decorative 4.76mm thumbnail moulding along the edge of the frame.
The panel bit is designed for material 12.7mm in thickness. All bits are equipped with guide bearings for shaping curved work such as the small arched panel doors seen on secretaries and corner cabinetry.
These sets also produce panels for small chests, lids for small boxes, or drawer fronts.
Available in 8mm and 12.7mm shanks.

| DESCRIPTION | | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|
| Small Arch Door Set | (3 pcs. HW) | 900.024.11 | 800.524.11 |




Drawing is 1:1 scale

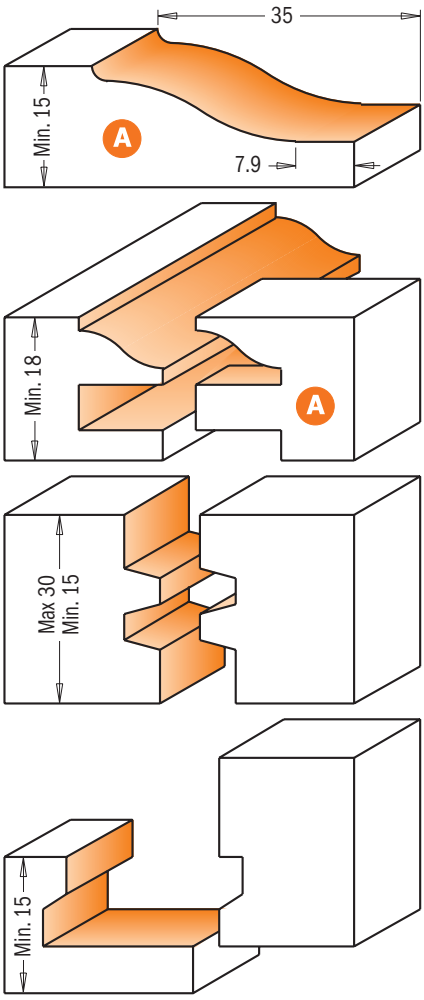


# CMT's Complete Kitchen Set

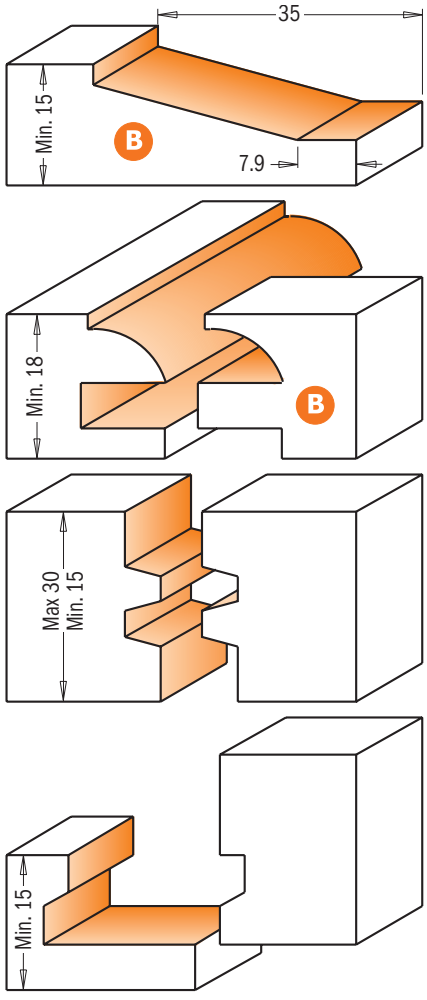
These CMT's sets aren't only a random selection of odds and ends packaged in a handy carry case, but they are also professional kits for drawer and door makers.
3 sets to choose from, 5 different bits to suit your needs: a raised panel bit, rail and stile bits, a glue joint and a drawer lock bit. Please refer to the illustrations below for complete profile options.

| DESCRIPTION | | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|
| CMT's Complete Kitchen Set - Profile A (5 pcs. HW) | 1 | 900.509.11 | 800.509.11 |
| CMT's Complete Kitchen Set - Profile B (5 pcs. HW) | 1 | 900.510.11 | 800.510.11 |
| CMT's Complete Kitchen Set - Profile C (5 pcs. HW) | 1 | 900.511.11 | 800.511.11 |

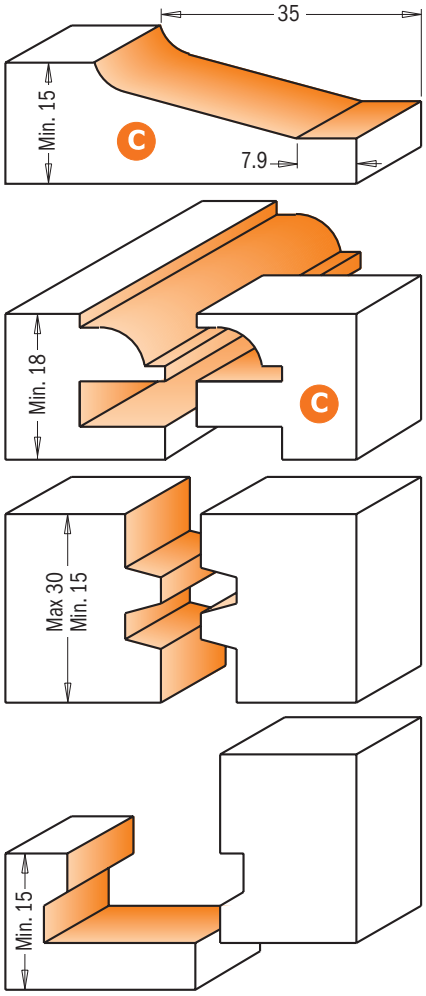
## 8/900.509.11




## 8/900.510.11




## 8/900.511.11




Drawing is 1:1 scale

# Panalign Strips

Beautiful panel doors can be ruined by a poorly-aligned panel. Next time, slip panalign strips into the rails to keep panels perfectly centred while allowing for expansion. Unlike carpet foam, which eventually loses elasticity and ceases to work, the rubber in panalign strips is specially designed to spring back indefinitely.
The rectangular shape makes the strips easy to handle.
Typical doors require 4 to 8 strips each.

## PNL-001

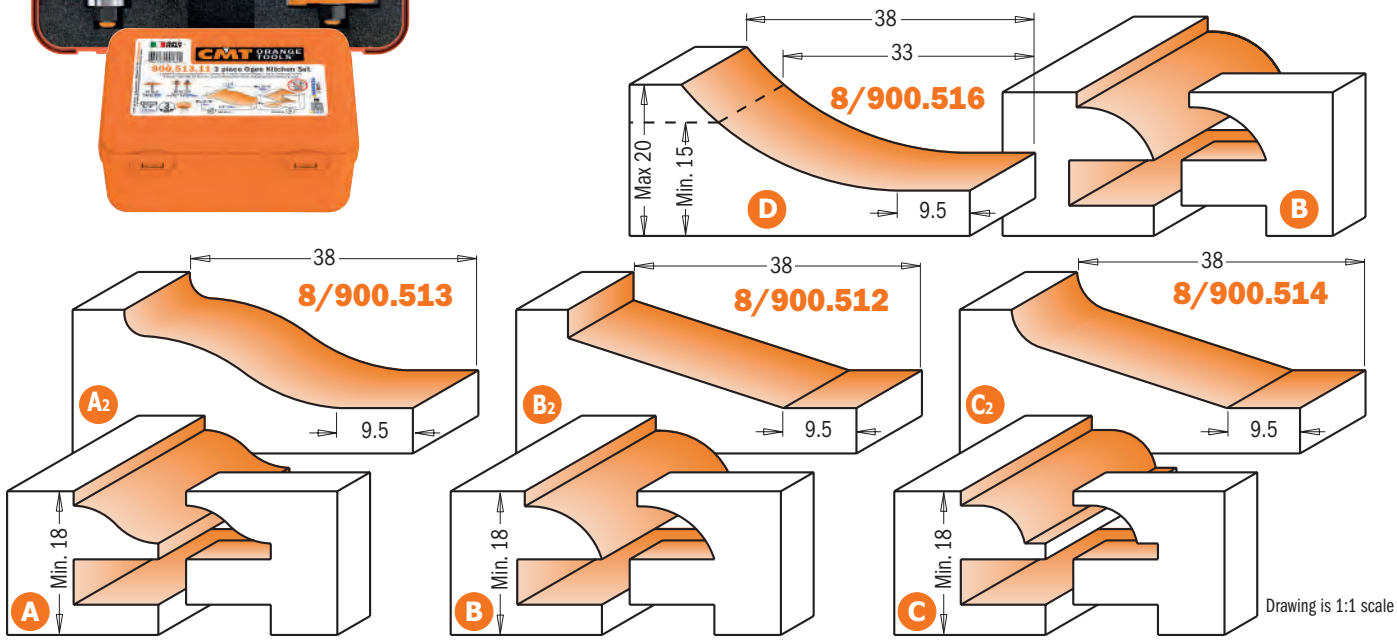
| DIMENSION mm | QTY. | | ORDER NO. |
|---|---|---|---|
| 27x7x7 | 200 | 1 | PNL-001 |

# Kitchen Set

HW Z2 RH

Our 3 piece kitchen set includes a couple of rail and stile bits and a raised panel bit. Choose among 4 possible profiles to make panel doors easily economically. Supplied in a protective carry case: perfect for keeping your bits safe, organized and within reach.

| DESCRIPTION | | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|
| Kitchen Set - Profile A+$A_2$ | 1 | 900.513.11 | 800.513.11 |
| Kitchen Set - Profile B+$B_2$ | 1 | 900.512.11 | 800.512.11 |
| Kitchen Set - Profile C+$C_2$ | 1 | 900.514.11 | 800.514.11 |
| Kitchen Set - Profile D+B | 1 | 900.516.11 | 800.516.11 |

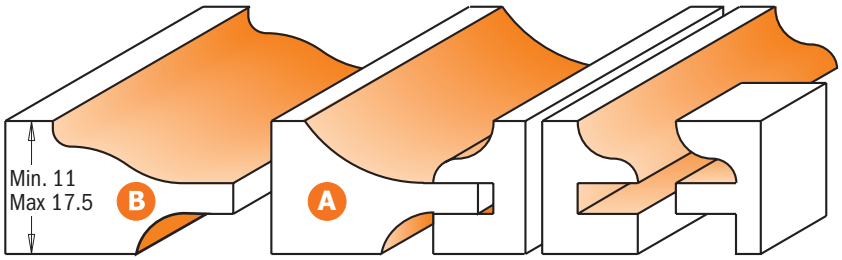



Drawing is 1:1 scale

# The Raised Panel Set with Backcutter

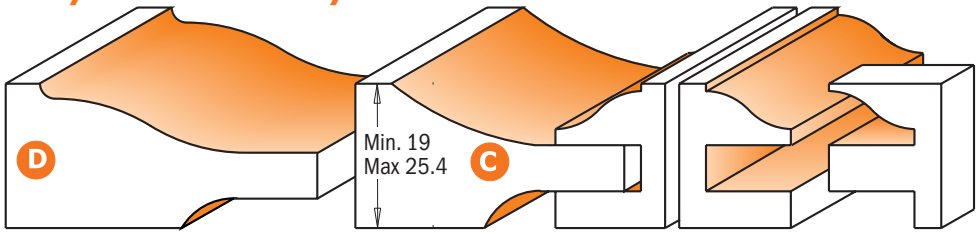
## 8/900.518 - 8/900.522

HW Z2 RH




Drawing is 1:1 scale

## 8/900.517 - 8/900.521



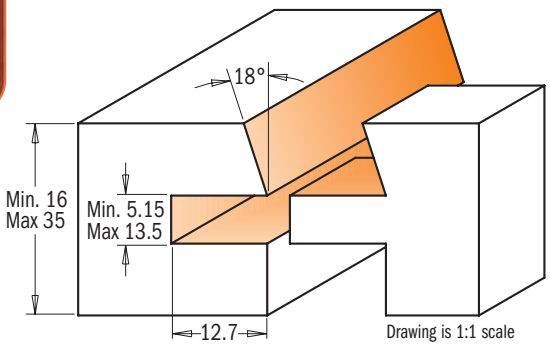

The set includes a choice of a cove or an ogee raised panel bit and an ogee rail & stile pair. All tools are supplied in a robust protective carry case.

| DESCRIPTION | | | | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|
| Junior Raised Panel Set - Profile A | (3 pcs. HW) | Ø63.5mm | 1 | 900.518.11 | 800.518.11 |
| Junior Raised Panel Set - Profile B | (3 pcs. HW) | Ø63.5mm | 1 | 900.522.11 | 800.522.11 |
| Junior Raised Panel Set - Profile C | (3 pcs. HW) | Ø89mm | 1 | 900.517.11 | 800.517.11 |
| Junior Raised Panel Set - Profile D | (3 pcs. HW) | Ø89mm | 1 | 900.521.11 | 800.521.11 |

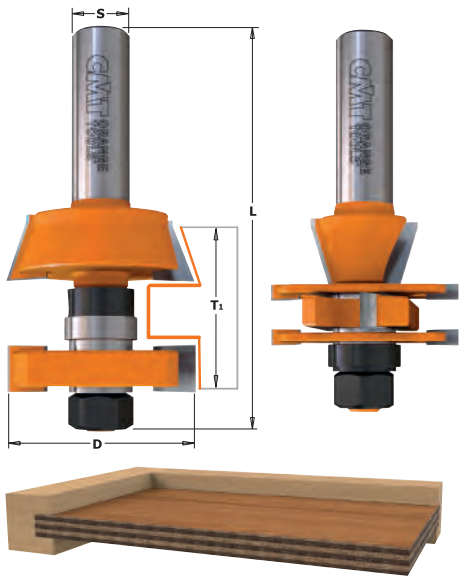
# Adjustable Shaker Router Bit Set

## 8/900.624

These new bit sets are excellent for producing adjustable tongue and groove joints with a bevel, in order to eliminate panel rattle that may occur with the production of standard cabinets.
Cut precise grooves into your plywood veneered panels and make perfect rattle-free fits. To be used on table-mounted routers. Avoid using these bits in hand-held power tools.




Drawing is 1:1 scale




| D mm | T1 mm | A | L mm | | ORDER NO. S=Ø12mm | ORDER NO S=Ø12.7mm |
|---|---|---|---|---|---|---|
| 41.2 | 16-35 | 18° | 87 | 5 | **900.624.11** | **800.624.11** |

*Spare parts*

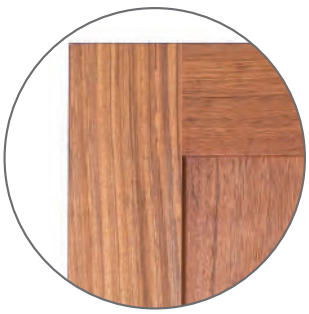
| | 3.7mm | 7.14mm | 3.7mm | 10.4mm | |
|---|---|---|---|---|---|
| 791.025.00 | 822.025.11 | 822.026.11 | 822.027.11 | 822.028.11 | 990.020.00 |

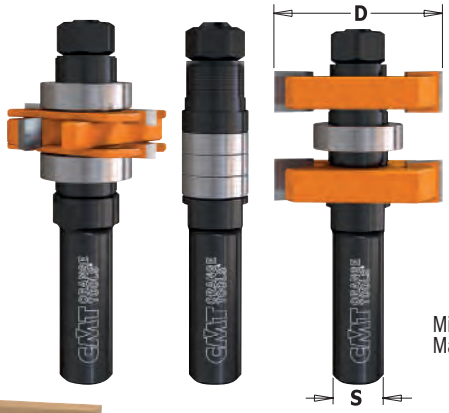
*Spare parts:* **541.515.00** 0.1mm spacer
**541.516.00** 0.3mm spacer
**541.517.00** 0.5mm spacer
**541.518.00** 1mm spacer
**541.500.00** 3mm spacer
**541.519.00** 5.8mm spacer

# Adjustable Tongue & Groove Bit Set for Mission Style Cabinet Doors

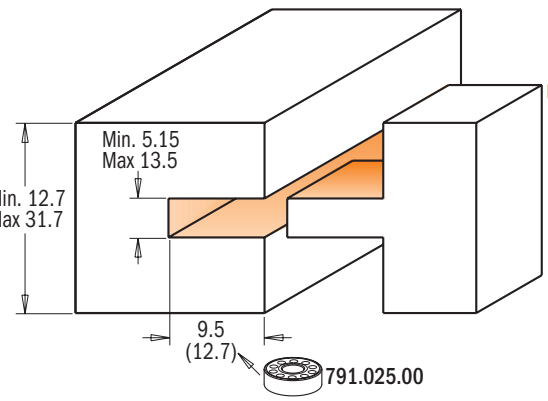
## 8/900.625

Exclusive CMT design which allows the perfect fix for undersized plywood panel. The tongue cutter features opposing shear angles to obtain flawless finishing on a large variety of materials such as plywood, softwood and hardwood.
For use on a table-mounted router. Not for handheld routers.
- Adjustable in 0.050mm (0.002") increments;
- For groove width from 5mm to 13.5mm;
- Cut stock thickness of 12.7mm to 31.7mm;
- Features micrograin carbide for longer life.






Drawing is 1:1 scale



| D mm | T1 mm | | ORDER NO. S=Ø12mm | ORDER NO S=Ø12.7mm |
|---|---|---|---|---|
| 41.2 | 12.7-31.7 | 5 | **900.625.11** | |
| 41.2 | 12.7-31.7 | 5 | | **800.625.11** |

*Spare parts*

| | 8-22mm | 3.7mm | 7.14mm | 3.7mm | 10.4mm | |
|---|---|---|---|---|---|---|
| 924.136.00 | 791.012.00 | 822.025.11 | 822.026.11 | 822.027.11 | 822.028.11 | 990.020.00 |
| 824.136.00 | 791.012.00 | 822.025.11 | 822.026.11 | 822.027.11 | 822.028.11 | 990.020.00 |

*Spare parts:* **541.515.00** 0.1mm spacer
**541.516.00** 0.3mm spacer
**541.517.00** 0.5mm spacer
**541.518.00** 1mm spacer
**541.500.00** 3mm spacer
**541.519.00** 5.8mm spacer

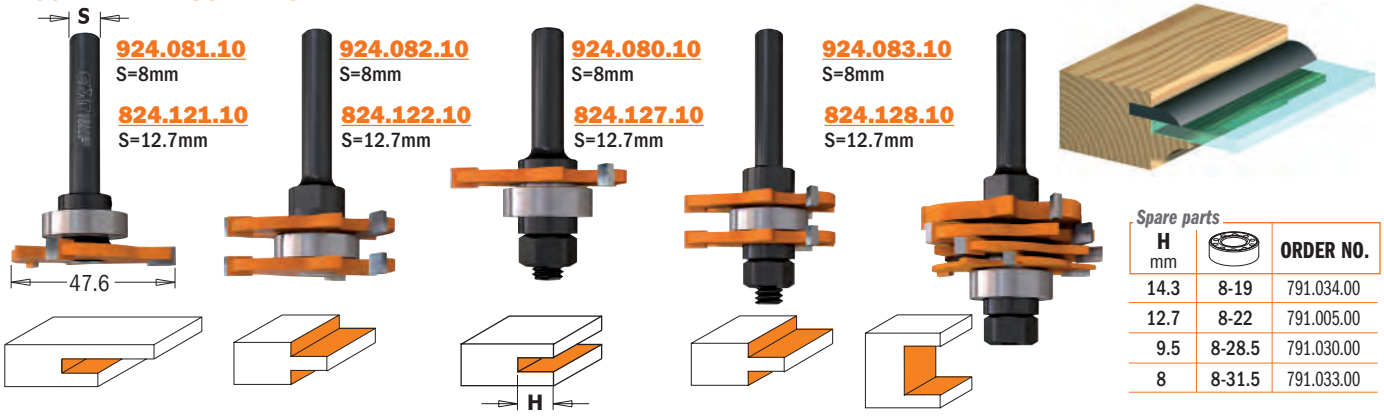
## 8/923.001

HW Z3 RH

Create slots, grooves and rabbets on all materials using these slot cutter sets. Ideal for biscuit and tongue and groove joints. These sets include 4 different bearings to allow a cutting depth of 8mm, 9.5mm, 12.7mm and 14.3mm. Please refer to the chart below for applications and the correct cutter combinations.

**SAFETY TIPS: never use the slot cutter sets without shims between cutters, whose distance can vary from 1mm to 1.7mm. Shims can also be positioned between the ball bearings and the cutters.**

### ASSEMBLY ILLUSTRATION




Spare parts

| H mm | | ORDER NO. |
|---|---|---|
| 14.3 | 8-19 | 791.034.00 |
| 12.7 | 8-22 | 791.005.00 |
| 9.5 | 8-28.5 | 791.030.00 |
| 8 | 8-31.5 | 791.033.00 |

| DESCRIPTION | | ORDER NO. S=Ø8mm |
|---|---|---|
| Slot cutter set | 1 | **923.001.11** |

Spare parts

| 2mm | 3mm | 4mm | 5mm | 6mm | | | | |
|---|---|---|---|---|---|---|---|---|
| 822.320.11 | 823.330.11 | 823.340.11 | 823.350.11 | 822.360.11 | 924.081.10 | 924.082.10 | 924.080.10 | 924.083.10 |

| DESCRIPTION | | ORDER NO. S=Ø12.7mm |
|---|---|---|
| Slot cutter set | 1 | **823.001.11** |

Spare parts

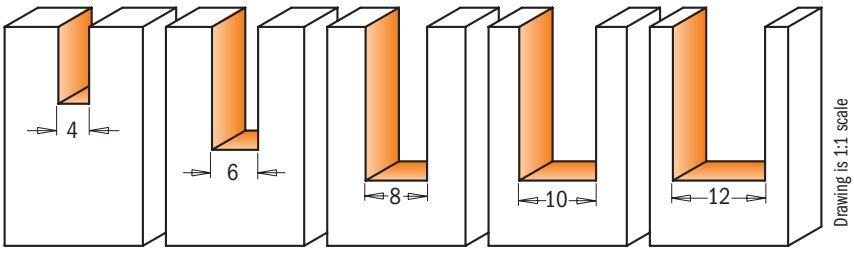
| 1.6mm | 3.2mm | 4mm | 4.8mm | 6.4mm | | | | |
|---|---|---|---|---|---|---|---|---|
| 822.316.11 | 823.332.11 | 823.340.11 | 822.348.11 | 822.364.11 | 824.121.10 | 824.122.10 | 824.127.10 | 824.128.10 |

# 5 Piece Straight Bit Set & Profile Bit Set

A three 5 piece set with a selection of straight bits and the most popular profile router bits.
Sold in a robust protective carry case.

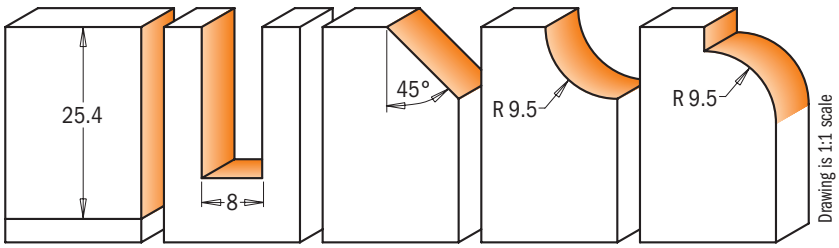
HWM HW Z2 RH

## 900.005.01




| DESCRIPTION | | | ORDER NO. S=Ø8mm |
|---|---|---|---|
| 5 Piece Straight Bit Set | 5 | | **900.005.01** |

## 7/900.005.03

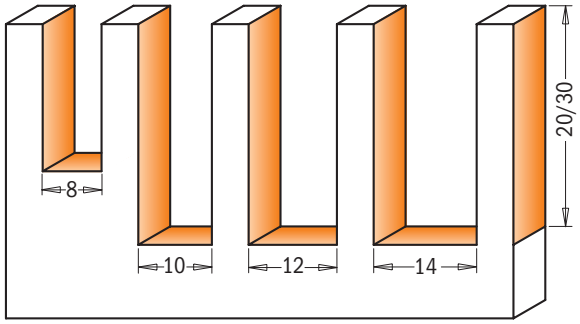



| DESCRIPTION | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø8mm |
|---|---|---|---|
| 5 Piece Profile Bit Set | 5 | **700.005.03** | **900.005.03** |

## 600.005.01

INSERT CARBIDE | Z1 | Z2 | RH | 2X CUTTING

This set is the perfect companion for the professional craftsman. We offer the 5 most popular bits with reversable knives complete with 10 spare knives and 2 TORX® keys. They are perfect for working on all materials such as solid wood, wood derivatives, laminates, MDF, and plastic matierials. For use with a hand held, point-to-point machine or CNC router.




Drawing is 1:1 scale

**SAFETY TIPS**

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

| DESCRIPTION | | ORDER NO. S=Ø8mm |
|---|---|---|
| Router Bit Set with Insert Knives | 1 | **600.005.01** |

**10 spare knives and 2 TORX® keys included**

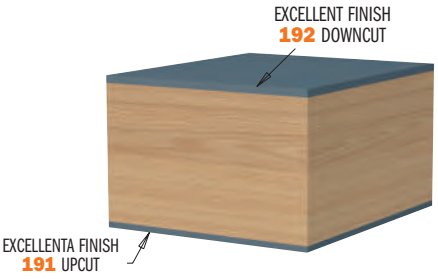
| SET CONTAINS | D mm | I mm | KNIVES | | ORDER NO. S=Ø8mm |
|---|---|---|---|---|---|
| Straight Router Bit with Knife | 8 | 20 | 790.200.01 - 20 x 4.1 x 1.1mm | | **651.080.11** |
| Straight Router Bit with Knife | 10 | 30 | 790.300.01 - 30 x 5.5 x 1.1mm | | **651.100.11** |
| Straight Router Bit with Knife | 12 | 30 | 790.300.01 - 30 x 5.5 x 1.1mm | | **651.120.11** |
| Straight Router Bit with Knife | 14 | 30 | 790.300.01 - 30 x 5.5 x 1.1mm | | **651.140.11** |
| Flush Trim Bit with Knife | 19 | 30 | 790.300.00 - 30 x 12 x 1.5mm | 791.007.00 | **657.191.11** |

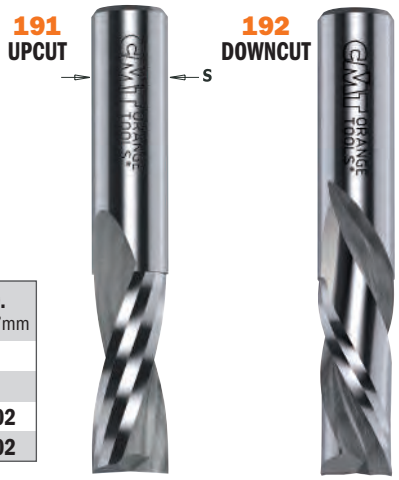
# 5 Piece Spiral Bit Set

## 191.0/192.0

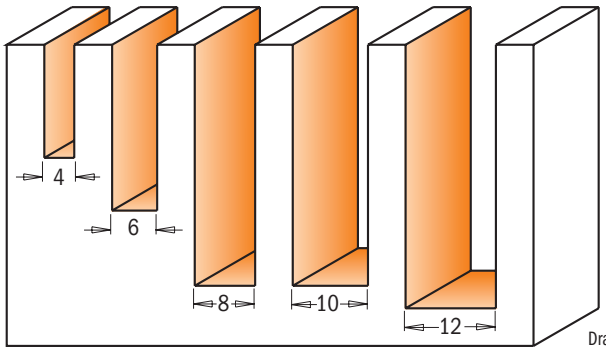
HWM | Z2 | RH

This new set of high quality solid tungsten carbide upcut and downcut spiral bits come in the most popular diameters: 4-8-10-12mm. These bits featuring sharp long-lasting cutting edges guarantee perfect high quality cuts, and the spiral layout allows for a more efficient chip ejection. Recommended for use on hardwood, wood derivatives, laminates and plastic materials.

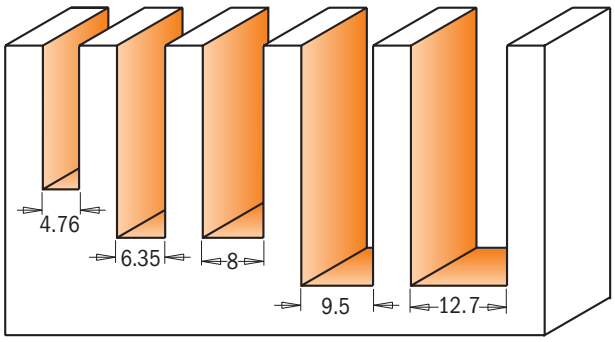



| DESCRIPTION | | | ORDER NO. S=Ø8mm | ORDER NO. S=Ø6.35-12.7mm |
|---|---|---|---|---|
| 5 Piece Upcut Spiral Bit Set | (Ø4 - 6 - 8 - 10 - 12mm) | 5 | **191.000.01** | |
| 5 Piece Downcut Spiral Bit Set | (Ø4 - 6 - 8 - 10 - 12mm) | 5 | **192.000.01** | |
| 5 Piece Upcut Spiral Bit Set | (Ø4.76 - 6.35 - 8 - 9.5 - 12.7mm) | 5 | | **191.000.02** |
| 5 Piece Downcut Spiral Bit Set | (Ø4.76 - 6.35 - 8 - 9.5 - 12.7mm) | 5 | | **192.000.02** |




Drawing is 1:1 scale




® Brand names mentioned in cmt products are the property of their respective owners (see back cover)

# CONTRACTOR ROUTER BIT FROM CMT




DELUXE PACKAGING

CMT CONTRACTOR TOOLS®

**For value-driven contractors, remodelers and DIYers. Great quality/price ratio and long-lasting performance.**

**HEAT-TREATED SHANK & BODY FOR GREATER DURABILITY**
The bits are made from the finest steel hardened to reach 58 Rockwell which ensures durability and good cutting performance.

**ANTI-KICKBACK DESIGN**
Controls depth of cut and minimizes kickback reducing your risk of injury.

SINTERHIP HI-DENSITY CARBIDE

**SINTERHIP HI-DENSITY CARBIDE**
New process called SinterHIP (Hot Isostatic Pressing), helps prevent material failure and increases cutting life.

BLACK COATING

**CORROSION-FREE BLACK COATING**
Protects against corrosion and provides a longer bit life.

**PRECISION GROUND CUTTING EDGES**
Each cutting edge is precisely sharpened to obtain a sharp and durable cutting angle.

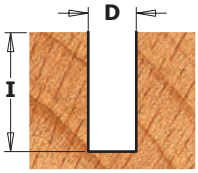
CMT CONTRACTOR TOOLS

# K911-K912

HW Z1 Z2 RH

Designed for making slots and routing channels in wood and wood composites. Hi-Density carbide-tipped cutting edges provide smooth performance and a precise cut. Engineered for efficient chip clearance.

| D mm | I mm | L mm | Z | | ORDER NO. S=Ø8mm |
|---|---|---|---|---|---|
| 3 | 8 | 51 | 1 | 10 | K911-030 |
| 4 | 11 | 51 | 1 | 10 | K911-040 |
| 5 | 12.7 | 51 | 1 | 10 | K911-050 |
| 6 | 16 | 51 | 1 | 10 | K911-060 |
| 6 | 25.4 | 57 | 2 | 10 | K912-060 |
| 8 | 20 | 51 | 2 | 10 | K911-080 |
| 8 | 32 | 62 | 2 | 10 | K912-080 |
| 10 | 20 | 51 | 2 | 10 | K911-100 |
| 10 | 32 | 62 | 2 | 10 | K912-100 |
| 12 | 20 | 51 | 2 | 10 | K911-120 |
| 12 | 32 | 62 | 2 | 10 | K912-120 |
| 14 | 25.4 | 56 | 2 | 10 | K911-140 |
| 15 | 25.4 | 56 | 2 | 10 | K911-150 |
| 16 | 25.4 | 56 | 2 | 10 | K911-160 |
| 18 | 25 | 56 | 2 | 10 | K911-180 |
| 20 | 25 | 56 | 2 | 10 | K911-200 |
| 22 | 25.4 | 56 | 2 | 10 | K911-220 |
| 24 | 25.4 | 56 | 2 | 10 | K911-240 |
| 25 | 25.4 | 57 | 2 | 10 | K911-250 |




Drawing is 1:1 scale

## Straight Bits with Centre Tip

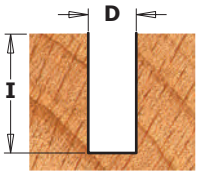
CMT CONTRACTOR TOOLS

# K174

HW Z2+1 RH

Thanks to the center tip the cutting edge allows you to execute any kind of plunge drilling and trimming jobs on soft or hardwood, wood composites and plastic or laminated materials.

| D mm | I mm | L mm | Z | | ORDER NO. S=Ø8mm |
|---|---|---|---|---|---|
| 8 | 20 | 51 | 2+1 | 10 | K174-080 |
| 8 | 40 | 90 | 2+1 | 10 | K174-082 |
| 10 | 20 | 51 | 2+1 | 10 | K174-100 |
| 10 | 40 | 90 | 2+1 | 10 | K174-101 |
| 12 | 20 | 51 | 2+1 | 10 | K174-120 |
| 12 | 40 | 90 | 2+1 | 10 | K174-121 |
| 16 | 20 | 51 | 2+1 | 10 | K174-160 |
| 16 | 40 | 90 | 2+1 | 10 | K174-161 |
| 18 | 20 | 51 | 2+1 | 10 | K174-180 |
| 20 | 20 | 51 | 2+1 | 10 | K174-200 |
| 22 | 20 | 70 | 2+1 | 10 | K174-220 |




Drawing is 1:1 scale

**PLUNGE CENTRE TIP**

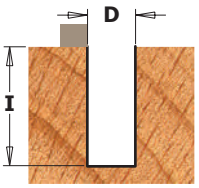
This particular kind of cutting edge guarantees long-lasting performance during plunging operations.

## K911B

HW Z2 RH

Our pattern bit makes template routing easy and accurate. Create cabinets, furniture, signs, toys or just about any other project you can imagine. Our smooth-running top bearing will glide along your template creating a perfect copy in the wood piece below.

| D mm | I mm | L mm | Z | | ORDER NO. S=Ø8mm |
|---|---|---|---|---|---|
| 16 | 25.4 | 70 | 2 | 10 | **K911-160B** |
| 22 | 25.4 | 70 | 2 | 10 | **K911-220B** |




Drawing is 1:1 scale

## Flush Trim Bits

## K906

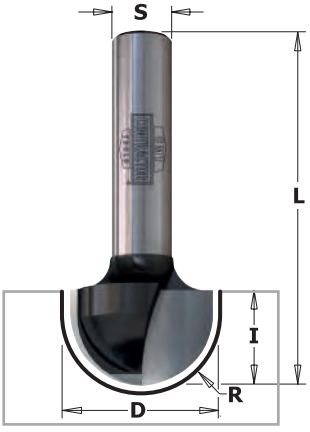
HW Z2 RH

Precise flush trimming of wood or laminate material. Bottom bearing runs effortlessly against finished work piece delivering a smooth to the touch flush trim cut. Two carbide-tipped cutting edge design optimizes performance.

| I mm | D mm | L mm | Z | | ORDER NO. S=Ø8mm |
|---|---|---|---|---|---|
| 14 | 9.5 | 56 | 2 | 10 | **K906-096** |
| 25.4 | 12.7 | 67 | 2 | 10 | **K906-127** |
| 25.4 | 19 | 67 | 2 | 10 | **K906-191** |

Drawing is 1:1 scale

## Round Nose Bits

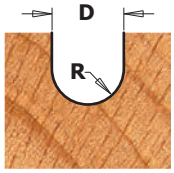



## K914

HW Z2 RH

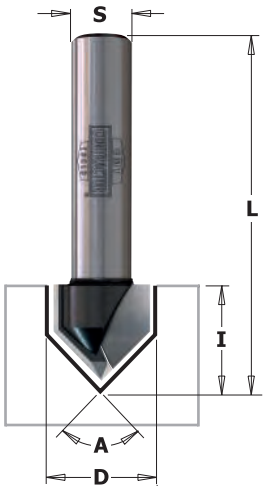
Designed for sign and cabinet makers. Use the round nose to make decorative doors, drawer fronts, signs or add a design to any other creative project. Features two carbide-tipped cutting edges that provide a smooth cut in wood and wood derivatives.

| R mm | D mm | I mm | L mm | | ORDER NO. S=Ø8mm |
|---|---|---|---|---|---|
| 3 | 6 | 9.5 | 40 | 10 | **K914-060** |
| 4.75 | 9.5 | 9.5 | 40 | 10 | **K914-095** |
| 6.35 | 12.7 | 12.7 | 40 | 10 | **K914-127** |
| 8 | 16 | 12.7 | 45 | 10 | **K914-160** |
| 9.5 | 19 | 12.7 | 46 | 10 | **K914-190** |




Drawing is 1:1 scale

## V-Groove Bits



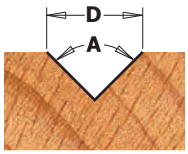

CMT CONTRACTOR TOOLS

### K915-K958

HW Z2 RH

Make a clean sharp v-groove in panel and drawer fronts for decorative projects. Good for engraving letters for signs, they feature two sharp carbide-tipped cutting edges for smooth fast cutting. Choose from our 60° or 90° V-groove angle.

| D mm | I mm | A | L mm | Z | | ORDER NO. S=Ø8mm |
|---|---|---|---|---|---|---|
| 12.7 | 12.7 | 90° | 45 | 2 | 10 | K915-127 |
| 16 | 16 | 90° | 45 | 2 | 10 | K915-160 |
| 31.8 | 20 | 90° | 60 | 2 | 10 | K915-317 |
| 11 | 14 | 60° | 45 | 2 | 10 | K958-110 |




Drawing is 1:1 scale

## Decorative Ogee Bit

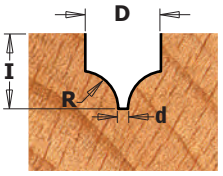
CMT CONTRACTOR TOOLS

### K965

HW Z1 RH

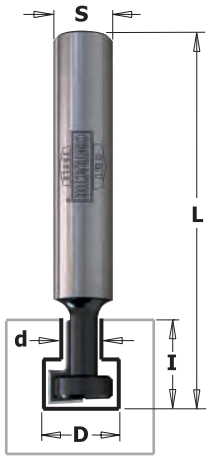
This new CMT bit produces a classic single or double-edged bead.
Ideal for creating a marked decorative effect on panel, door and drawer work.

| D mm | d mm | I mm | R mm | L mm | | ORDER NO. S=Ø8mm |
|---|---|---|---|---|---|---|
| 10 | 1.3 | 10 | 5 | 50.8 | 10 | K965-100 |




Drawing is 1:1 scale

## Keyhole Bit



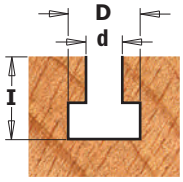

CMT CONTRACTOR TOOLS

### K950

HW Z1 RH

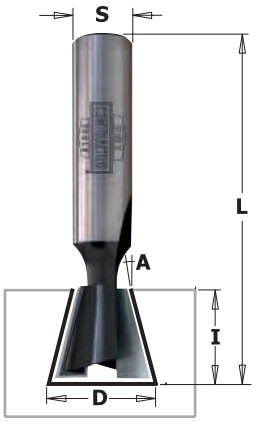
Easily create a hardware-free way to hang pictures and plaques on a wall.
Cuts a keyholed groove or slot in a variety of materials such as wood, plywood and laminates.

| D mm | d mm | I mm | L mm | | ORDER NO. S=Ø8mm |
|---|---|---|---|---|---|
| 9.5 | 4.76 | 11.1 | 48 | 10 | K950-095 |




Drawing is 1:1 scale

## Dovetail Bit



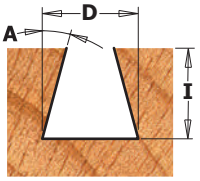

CMT CONTRACTOR TOOLS

### K918

HW Z2 RH

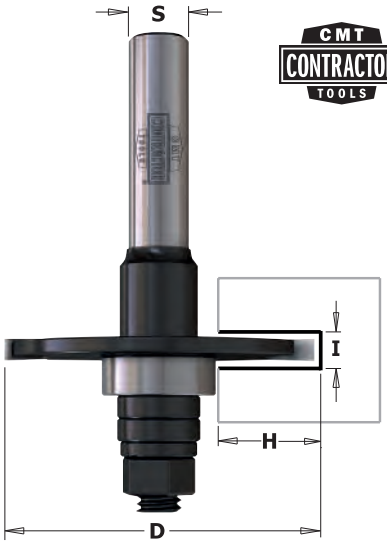
Use our bits with some of the most popular dovetail jigs on the market to create clean dovetail joints in wood and wood composite material. Balanced for good performance.

| D mm | I mm | L mm | A | | ORDER NO. S=Ø8mm |
|---|---|---|---|---|---|
| 12.7 | 12 | 45 | 14° | 10 | K918-127 |




Drawing is 1:1 scale

## Slot Cutters




CMT CONTRACTOR TOOLS

### K922

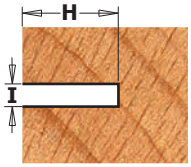
HW Z2 RH

Uses for these 2 wing slot cutter are almost infinite. Cut slots and grooves for splines, biscuits, T-molding or tongue and groove joints.

**NOTE:** For biscuit joints, use I=4mm slot cutter.

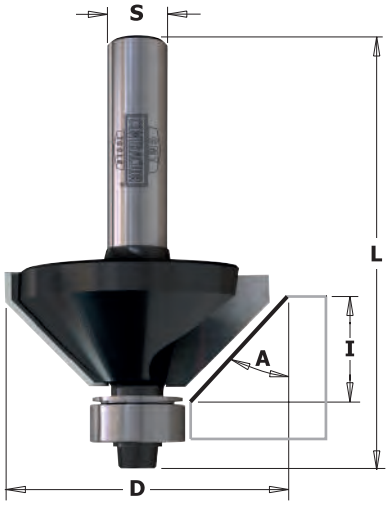
| I mm | D mm | H mm | Z | | ORDER NO. S=Ø8mm |
|---|---|---|---|---|---|
| 3 | 40 | 12.5 | 2 | 10 | K922-330A |
| 4 | 40 | 12.5 | 2 | 10 | K922-340A |
| 5 | 40 | 12.5 | 2 | 10 | K922-350A |
| 6 | 40 | 12.5 | 2 | 10 | K922-360A |

*Ricambi:* **791.024.00** Cuscinetto Ø6-15mm
**990.095.00** Dado esagonale M6 UNI-5588




Drawing is 1:1 scale

## Chamfer Bit



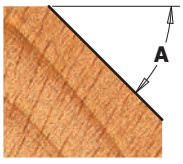

CMT CONTRACTOR TOOLS

### K936

HW Z2 RH

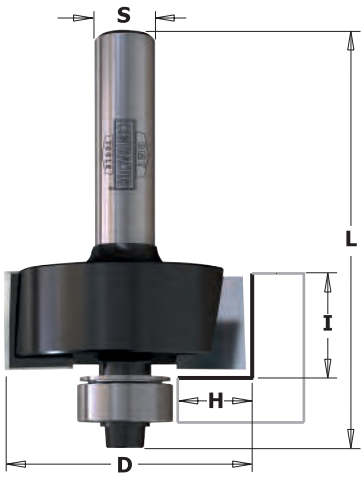
Produce clean, accurate bevel or chamfer edges for edge jointing, decorative edges or perfectly aligned boxes. Features two carbide-tipped cutting edges, anti-kickback design with heat treated shank and body for durability. Bottom bearing included.

| D mm | I mm | A | L mm | | ORDER NO. S=Ø8mm |
|---|---|---|---|---|---|
| 35 | 15 | 45° | 56 | 10 | K936-350 |




Drawing is 1:1 scale

## Rabbeting Bit



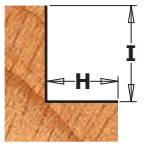

CMT CONTRACTOR TOOLS

### K935

HW Z2 RH

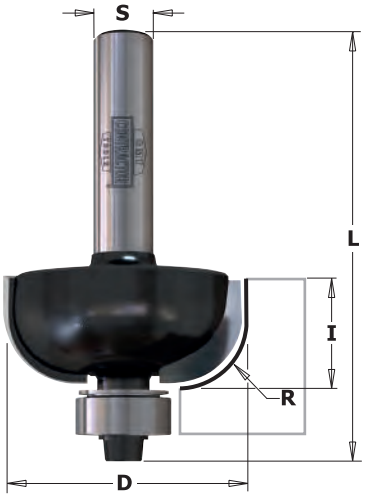
Ideal for creating inset doors and drawer fronts or to re-groove old window frames to accept a panel of glass. Features two carbide-tipped cutting edges, anti-kickback design with heat treated shank and body for durability. Bottom bearing included.

| D mm | I mm | H mm | L mm | | ORDER NO. S=Ø8mm |
|---|---|---|---|---|---|
| 31.8 | 12.7 | 9.5 | 54 | 10 | K935-317 |




Drawing is 1:1 scale

## Cove Bits




CMT CONTRACTOR TOOLS

### K937

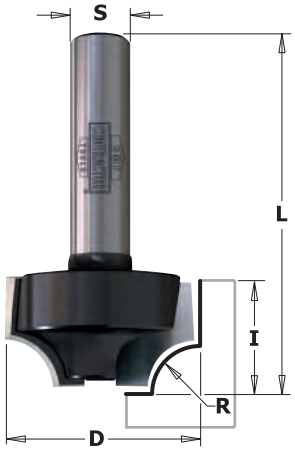
HW Z2 RH

Give your doors and drawer fronts an elegant touch. Pair a cove bit with a roundover bit to create decorative elements on your furniture projects. Features two carbide-tipped cutting edges, anti-kickback design, heat treated shank and body for durability. Bottom bearing included.

| D mm | I mm | R mm | L mm | | ORDER NO. S=Ø8mm |
|---|---|---|---|---|---|
| 31.8 | 14 | 9.5 | 56 | 10 | K937-317 |
| 38.1 | 16 | 12.7 | 62 | 10 | K937-380 |

Drawing is 1:1 scale

## Ovolo Bit



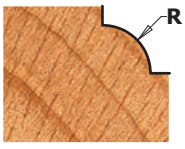

CMT CONTRACTOR TOOLS

### K927

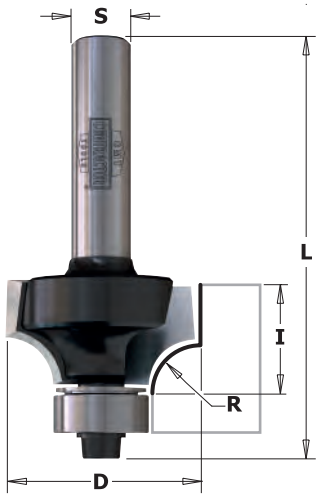
HW Z2 RH

Ideal for furniture makers, you get a roundover with top and bottom bead all in one. Bit equipped with two carbide-tipped cutting edges, features anti-kickback design and heat treated shank and body for increased durability.

| D mm | I mm | R mm | L mm | | ORDER NO. S=Ø8mm |
|---|---|---|---|---|---|
| 25.4 | 14.3 | 6.3 | 46 | 10 | K927-064 |




Drawing is 1:1 scale




## K938

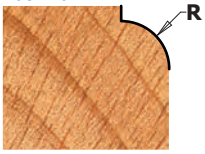
HW Z2 RH

A popular profile for taking the edge off a sharp corners. When partnered with a cove bit, you can create a drop-leaf table or other intricate projects. Bits equipped with two carbide-tipped cutting edges, anti-kickback design, and heat treated shank/body for increased durability. Bottom bearing included.

| D mm | I mm | R mm | L mm | | ORDER NO. S=Ø8mm |
|---|---|---|---|---|---|
| 16.7 | 7.9 | 2 | 51 | 10 | K938-167 |
| 18.7 | 10.5 | 3 | 53 | 10 | K938-187 |
| 22.2 | 12.7 | 4.8 | 54 | 10 | K938-222 |
| 25.4 | 13.5 | 6.3 | 55 | 10 | K938-254 |
| 28.7 | 15.5 | 8 | 53 | 10 | K938-287 |
| 31.8 | 16.5 | 9.5 | 58 | 10 | K938-317 |
| 38.1 | 19 | 12.7 | 61 | 10 | K938-380 |
| 44.7 | 22.2 | 16 | 67 | 10 | K938-445 |

**EACH BIT INCLUDES A 9mm (3/8") BEARING FOR BEADING PROFILES**

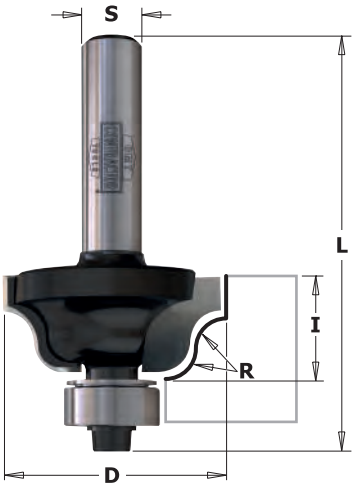
ROUNDOVER




BEADING

Drawing is 1:1 scale

## Roman Ogee Bit

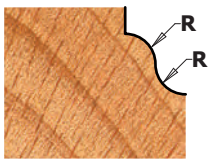



## K940

HW Z2 RH

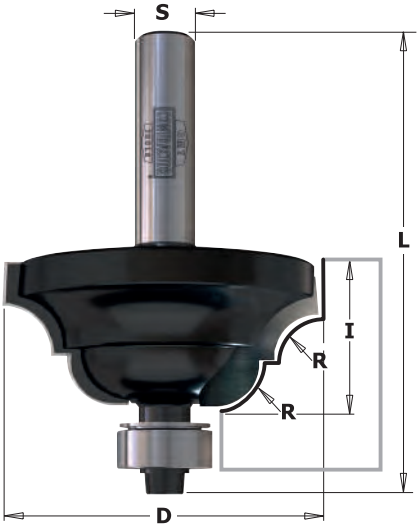
A very popular bit for making a wavy profile which, gives a touch of class to your furniture. These bits feature an anti-kickback design, rust-resistant black coating and include a smooth running bearing for template work.

| D mm | I mm | R mm | L mm | | ORDER NO. S=Ø8mm |
|---|---|---|---|---|---|
| 28.6 | 12.7 | 4 | 54 | 10 | K940-286 |




Drawing is 1:1 scale

## Classical Ogee Bits

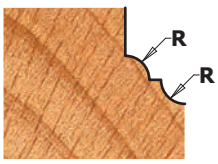



## K941

HW Z2 RH

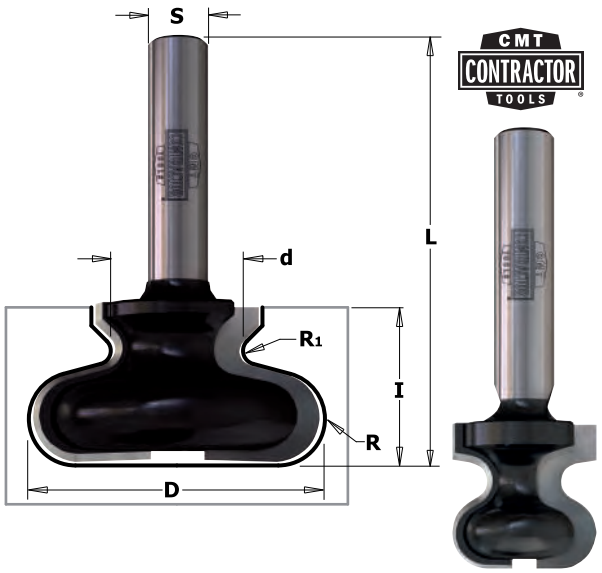
This bit produces both a concave and a convex profile on your work piece for smooth eye-catching detail! They feature 2 sharp cutting edges, rust-resistant black coating and are equipped with a bottom bearing for easy template work on both natural wood and wood-based materials.

| D mm | I mm | R mm | L mm | | ORDER NO. S=Ø8mm |
|---|---|---|---|---|---|
| 42.9 | 18 | 6.3 | 60 | 10 | K941-430 |




Drawing is 1:1 scale

# Finger Pull Bit

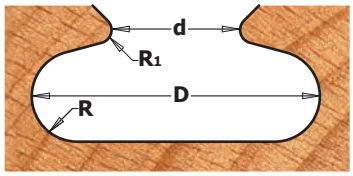



## K955

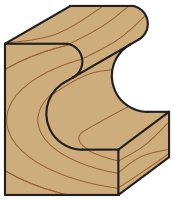
HW Z2 RH

Why interrupt the subtle linearity of an all-wood drawer front or cabinet door with a metal knob or handle? Use these finger pull bits and make a harmonious wooden handle. Two options are available: a template profile made directly in the wood or a European-style hardwood pull as illustrated below.

| D mm | d mm | I mm | R mm | R1 mm | L mm | | ORDER NO. S=Ø8mm |
|---|---|---|---|---|---|---|---|
| 19.05 | 9.5 | 19.05 | 4.8 | 2.4 | 57.2 | 10 | K955-190 |
| 38.1 | 17 | 20.7 | 6 | 1.8 | 55.4 | 10 | K955-380 |




Drawing is 1:1 scale



# 5 Piece Straight Router Bit Set

## K900-005-01

HW Z1 Z2 RH

| D mm | I mm | L mm | Z | ORDER NO. S=Ø8mm |
|---|---|---|---|---|
| 4 | 11 | 51 | 1 | K911-040 |
| 6 | 16 | 51 | 1 | K911-060 |
| 8 | 20 | 51 | 2 | K911-080 |
| 10 | 20 | 51 | 2 | K911-100 |
| 20 | 25 | 56 | 2 | K911-200 |

# 5 Piece Basic Router Bit Set

## K900-005-02

HW Z2 RH

| D mm | I mm | R mm | L mm | A | ORDER NO. S=Ø8mm |
|---|---|---|---|---|---|
| 12 | 20 | | 51 | | K911-120 |
| 16 | 25.4 | | 70 | | K911-160B |
| 12.7 | 25.4 | | 67 | | K906-127 |
| 25.4 | 13.5 | 6.3 | 55 | | K938-254 |
| 35 | 15 | | 56 | 45° | K936-350 |

# Replacement Bearing Set

## 79101

Pack Qty. 10

| SET INCLUDES | PIECES |
|---|---|
| 3/8" Bearing | 1 |
| 1/2" Bearing | 1 |
| 3/8" Dust Shields | 1 |
| 1/2" Dust Shields | 1 |
| Screw | 1 |
| Hex Key | 1 |

# What work parameters are best when routing?

## Answering the following questions will provide you with the answer!

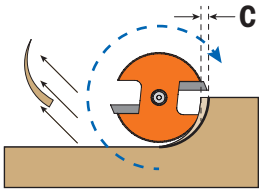
- **What equipment are you using?** Using brand new equipment of high quality is not the same as using outdated machinery! It is important to understand that vibration is the direct result of wear and tear, which can lead to a poor quality finish. Feed rate should be chosen in order to dampen vibration, and quite often, higher feed rates are associated with better finishing results.
- **What factors influence the performance of the bit I am using?** Many factors affect performance and the ultimate finish of the workpiece: the power of the collet chuck, the rigidity and eccentricity of the couplings, conditions and quality of the collets, reverse locking system, sharpened tool edge, the dust-collection system in use and even the relative humidity of the workplace environment.
- **What bit should I use?** The number of cutting edges as well as the cutting diameter significantly affect work parameters. In general, the more cutting edges and the wider the blade diameter, the higher the feed rate.
- **What is the cutting depth I hope to carry out?** In order to increase cutting depth, it is necessary to reduce the feed rate and vice versa for shallower cuts.
- **At what speed does my machine run?** By increasing the spindle speed (rpm), the quality of the finished edge improves. However, at the same time friction also increases between the tool and the workpiece. As a result, tool longevity is compromised. Ideally, the objective is to select the slowest rotation speed possible compatible with the quality of finishing you hope to achieve.
- **What edge finish am I looking to achieve?** Coarse routing and fine routing are definitely not the same thing! You need to figure out what is more important: quality or quantity. In order to prolong the life of your cutting tool, its best to choose the highest feed rate possible best suited to achieve the finish you want.
- **Above all....what materials am I working with?** Wood is a good example of natural fiber composite. It is made up of a natural fibrous material, both elastic and flexible (cellulose: long molecular polymer chains), bound together by a very rigid substance (lignin: cross-linked polymer) as well as a compatibilizer (hemicellulose: a polysaccharide). It is an anisotropic material, that is, directionally dependent, changing with direction along the object. How many types of wood and wood derivatives are you familiar with? Remember, no two pieces of wood are the same! In fact, the same work parameters carried out on two different pieces of wood will provide two very different results.

Feed rate is dependent of several factors, like the ones mentioned above - and these are just a few examples. It is important to weigh all factors in order to select an optimum feed rate suitable for the tools and work objectives involved. CMT is synonymous with quality and to produce high quality cuts you just can't randomly shoot off a bunch of numbers. Be wary of those who provide you with random numbers.

**I get it....but where do I start?** *The best way to go forward is step-by-step using reliable test data.* To quickly achieve the results best suited for your specific work expectations, you can always turn to theory!
One rule of thumb, which may prove advantageous, is to use a simple gauge to measure chipload wherever possible. On the one hand, it should be noted that when chips that are too thick, breakage will occur, resulting in a poor, rough finish. On the other hand, when chips are too thin, it will negatively affect tool longevity and cause rapid wear and tear of the cutting edge because the teeth of the tool are rubbing more than removing material.
The next time you experiment, you need to properly assess the specific demands of the work involved, assess chipload measurements and try to orient yourself towards a different thickness by taking into account the aforementioned factors. Then, with the aid of the formulas listed below, proceed to establish the appropriate feed rate for your next test. This will help you to achieve better results faster and you will have the essential information you will need for the next work project.

**PARAMETERS:**
**V = Feed rate (m/min)**
**Z = Cutting edges**
**C = Chipload (mm)**

**FORMULAS:**
**V = (RPM x Z x C)/1000**
**RPM = V x 1000 /(Z x C)**




**EXAMPLE:**
**with caliper take measurement of a good result chipload (C=0.2mm).**

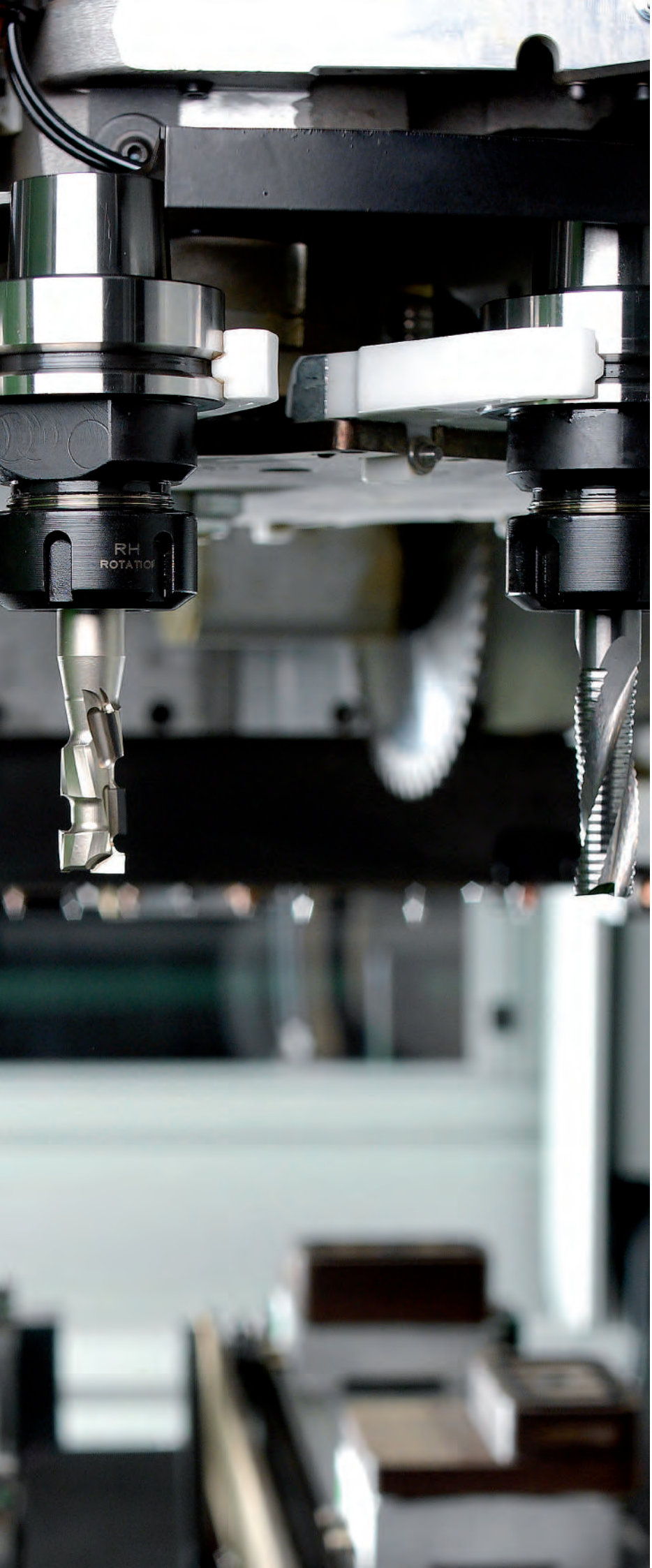
**Z=2**
**RPM=18000**

**V = (RPM x Z x C)/1000 = (18000x2x0.2)/1000 = 7.2m/min**

## PROBLEM SOLVING

| PROBLEM | SOLUTIONS | |
|---|---|---|
| | DECREASE | INCREASE |
| BAD FINISHING | • CUTTING DEPTH<br>• VIBRATIONS | • ROTATION SPEED<br>• DUST EXTRACTION<br>• NUMBER OF CUTTING EDGES<br>• CLAMPING CUTTER/CHUCK |
| CUTTING EDGE WEAR | • ROTATION SPEED<br>• VIBRATIONS | • FEED SPEED |
| CUTTING EDGE BURNS | • ROTATION SPEED<br>• NUMBER OF CUTTING-EDGES | • FEED SPEED |
| CUTTING EDGE DEBRIS | • CUTTING DEPTH | • ROTATION SPEED<br>• FEED SPEED<br>• DUST EXTRACTION |
| VIBRATIONS | • ROTATION SPEED<br>• CUTTING DEPTH | • MACHINE FIRMNESS<br>• WORKPIECE FIRMNESS |
| CUTTER BREAKAGE | • FEED SPEED<br>• CUTTING DEPTH<br>• VIBRATIONS | • SHANK DIAMETER<br>• COLLET CLAMPING<br>• CHANGE TOOL MATERIAL<br>(solid carbide or DENSIMET®) |


® Brand names mentioned in CMT products are the property of their respective owners (see back cover)




# CNC ROUTER CUTTERS & CHUCKS


| PRODUCTS | PAGE |
|---|---|
| Kinetic Dust Extractor | 286 |
| CNC Chucks | 287~289 |
| Precision Collets | 290-291 |
| Clamping Nuts | 291 |
| ISO30 Retaining Studs & C-Spanner | 292 |
| HSK Chucks for Grooving Blade | 292-293 |
| Cutter Arbor | 294 |
| Universal Assembly Supports for Chucks | 294 |
| DLCS Coating Solid Carbide Spiral Bits | 296, 299, 304 |
| Solid Carbide Spiral Bits | 296~305 |
| Spiral Bits for Locksets | 306-307 |
| HSS Upcut Spiral Bits | 307 |
| Spiral Bits for Aluminium and PVC | 308 |
| Solid Carbide Bits for Solid Surface & Fiberglass | 309 |
| DP - Straight Cutters for CNC | 310~316 |
| Router Cutters | 317~319 |
| Straight Bits for Industrial Nesting | 318 |
| Cutters with Insert Knives for CNC | 320~323 |
| Kit for CNC Machine | 324 |
| Complete Set for MDF | 325~327 |
| Slot & Mortise Bits | 328~333 |


CMT XTREME BALANCING®

KINETIC
DUST EXTRACTOR

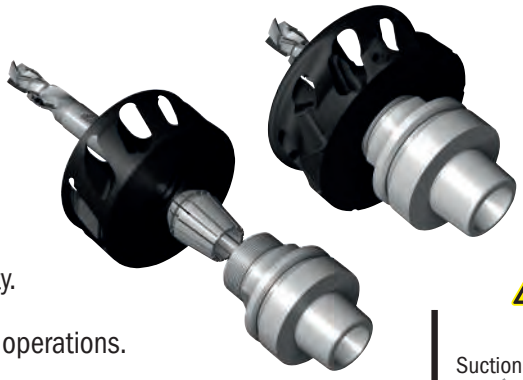
## 992 REMOVES MDF & CHIPBOARD DUST FROM THE WORKPIECE

RH

| DESCRIPTION | D mm | | ORDER NO. |
|---|---|---|---|
| Kinetic Dust Extractor for chucks with ER20 | 80 | 1 | **992.081.ER20** |
| Kinetic Dust Extractor for chucks with ER25 | 80 | 1 | **992.081.ER25** |
| Kinetic Dust Extractor for chucks with DIN6388/EOC25 collets | 100 | 1 | **992.101.EOC25** |
| Kinetic Dust Extractor for chucks with ER32 collets | 100 | 1 | **992.101.ER32** |
| Kinetic Dust Extractor for chucks with ER40 collets | 100 | 1 | **992.101.ER40** |

*Spare parts:* **991.285.00** C-Spanner 80-90mm for KINETIC ER20/ER25
**991.284.00** C-Spanner 95-100mm (17112) for KINETIC ER32/ER40

*Optional:*
*(required for installation, not included)*



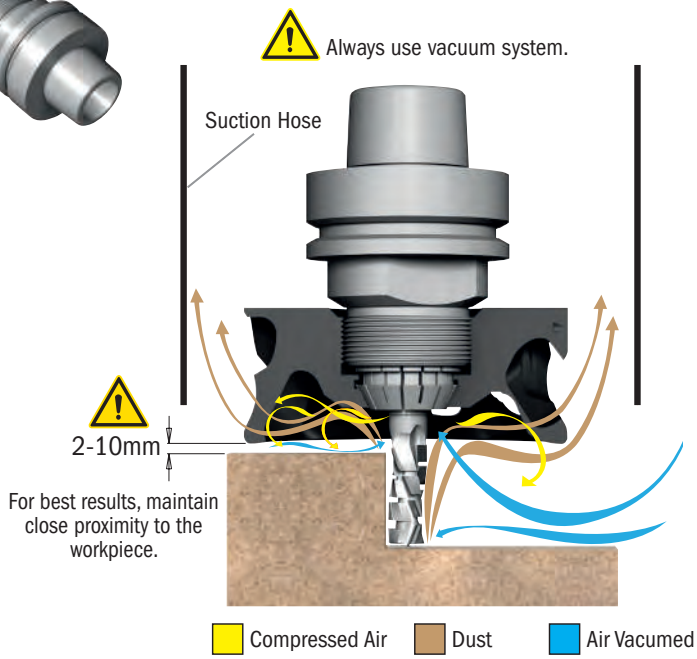
## EASY TO USE!

### Installation and removal just like a clamping nut

- Better health & safety on the worksite.
- Better air quality on the worksite.
- Improves tool performance & cut quality.
- Longer tool life & reduced labor costs.
- Recommended for Nesting and routing operations.
- No wasted time throughout operation.
- Replaces the standard clamping nut.
- Suitable for any collet chucks with standard router bits.
- Available for ER32 - ER40 - EOC25 (DIN6388) collets.
- Tough ceramic coating offers anti-corrosion, anti-friction and anti-static protection.
- Tool body in light alloy.
- Lightweight and quiet.
- Performs even at low RPM: from 6.000 up to 20.000 RPM.
- Materials: chipboard, coated chipboard, MDF, CORIAN®, plasterboard, OSB, HPL.

**SAFETY TIPS**

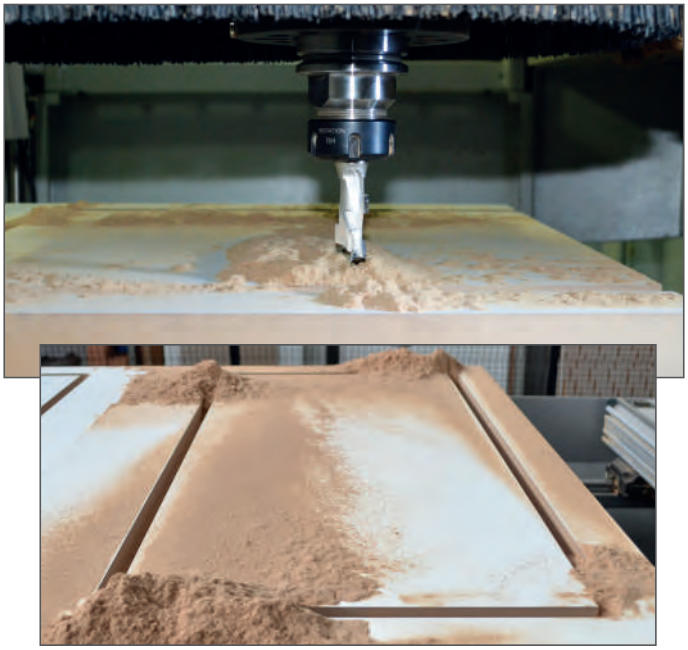
The **TW-200** Torque Wrench is recommended for the proper fastening of clamping nuts (see page 421).




*Download instructions sheets from our website*

Watch the video on YouTube

## WORKING WITHOUT KINETIC DUST EXTRACTOR



## WORKING WITH KINETIC DUST EXTRACTOR

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

# HSK-63F Chucks for “ER32” Precision Collets

## 183.300 XTREME

RH LH

| S | TO BE USED WITH COLLET | ORANGE CHROME | NOTE | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| HSK-63F | ER32 | ✔ | Clamping nut without bearing | 1 | 183.300.01 | 183.300.02 |
| HSK-63F | ER32 | ✔ | Clamping nut with bearing | 1 | 183.300.11* | |
| HSK-63F | ER32 | | Clamping nut without bearing | 1 | 183.300.91 | |
| HSK-63F | ER32 | | Clamping nut with bearing | 1 | 183.300.93* | |

*Optional:* **990.118.00** M6x10mm screw with blue threadlocker

* Suitable for right-hand and left-hand rotation.

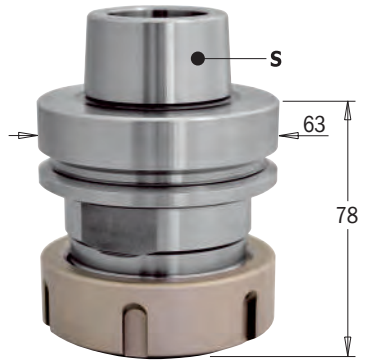
For HOMAG®, EIMA®, IMA® FROM 9/94, WEEKE®, BIESSE®, SCM®, MORBIDELLI® and MASTERWOOD® machines.

**ORANGE CHROME® COATING**
- Protects the tool against corrosion, rust and accumulation of resin and residues.
- Guarantees longer tool life.
- Lower power absorption by motor.
- Smoother blade movement throughout cutting operation.
- Tool maintenance is fast and easy.

**SAFETY TIPS**

The **TW-200** Torque Wrench is recommended for the proper fastening of clamping nuts (see page 421).

# HSK-63F Chucks for “ER40” Precision Collets




## 183.310 XTREME

RH LH

| S | TO BE USED WITH COLLET | ORANGE CHROME | NOTE | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| HSK-63F | ER40 | ✔ | Clamping nut without bearing | 1 | 183.310.01 | 183.310.02 |
| HSK-63F | ER40 | ✔ | Clamping nut with bearing | 1 | 183.310.11* | |
| HSK-63F | ER40 | | Clamping nut without bearing | 1 | 183.310.91 | |
| HSK-63F | ER40 | | Clamping nut with bearing | 1 | 183.310.93* | |

*Optional:* **990.117.00** M6x6mm screw with blue threadlocker

* Suitable for right-hand and left-hand rotation.

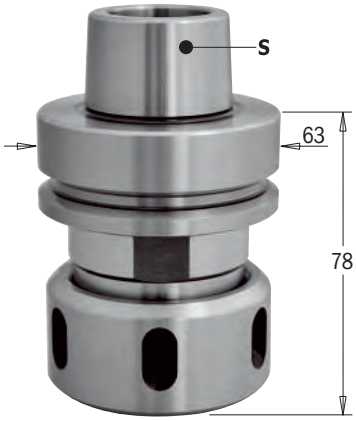
For HOMAG®, EIMA®, IMA® FROM 9/94, WEEKE®, BIESSE®, SCM®, MORBIDELLI® and MASTERWOOD® machines.

**ORANGE CHROME® COATING**
- Protects the tool against corrosion, rust and accumulation of resin and residues.
- Guarantees longer tool life.
- Lower power absorption by motor.
- Smoother blade movement throughout cutting operation.
- Tool maintenance is fast and easy.

**SAFETY TIPS**

The **TW-200** Torque Wrench is recommended for the proper fastening of clamping nuts (see page 421).

# HSK-63F Chucks for “EOC25” Precision Collets “DIN6388”




## 183.320

RH LH

| S | TO BE USED WITH COLLET | NOTE | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|
| HSK-63F | EOC25 | Clamping nut with bearing | 1 | 183.320.01* | |
| HSK-63F | EOC25 | Clamping nut without bearing | 1 | 183.320.03 | |

*Spare parts:* **992.283.01** Clamping nut without bearing
**992.283.11** Clamping nut with bearing

* Suitable for left-hand rotation too.

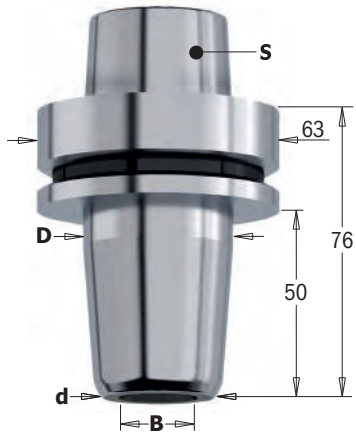
For HOMAG®, EIMA®, IMA® FROM 9/94, WEEKE®, BIESSE®, SCM®, MORBIDELLI® e MASTERWOOD® machines.

**ORANGE CHROME® COATING**
- Protects the tool against corrosion, rust and accumulation of resin and residues.
- Guarantees longer tool life.
- Lower power absorption by motor.
- Smoother blade movement throughout cutting operation.
- Tool maintenance is fast and easy.

**SAFETY TIPS**

The **TW-200** Torque Wrench is recommended for the proper fastening of clamping nuts (see page 421).

# HSK-63F Chucks for Shrink Fit Holders




## 183.075

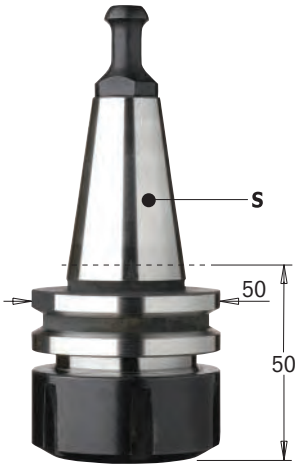
LH RH

| S | B mm | d mm | D mm | | | ORDER NO. |
|---|---|---|---|---|---|---|
| HSK-63F | 12 | 24 | 32 | | 1 | 183.075.12 |
| HSK-63F | 16 | 27 | 34 | | 1 | 183.075.16 |
| HSK-63F | 20 | 33 | 42 | | 1 | 183.075.20 |
| HSK-63F | 25 | 44 | 53 | | 1 | 183.075.25 |

**SPECIAL STEEL UNI 1.2344**
- Prevents overheating.
- Protects against corrosion and rust.
- Longer life and greater tool performance.

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

# ISO30 Chucks for “ER32” Precision Collets



## 183.200

RH LH

| S | TO BE USED WITH COLLET | RETAINING STUD mm | | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| ISO30 | ER32 | Ø12-8 | | 1 | **183.200.01** | **183.200.02** |

995.200 For BIESSE® machines.

## 183.210

RH LH

| S | TO BE USED WITH COLLET | RETAINING STUD mm | | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| ISO30 | ER32 | Ø13-9 | | 1 | **183.210.01** | **183.210.02** |

995.201 For BIESSE® machines with OMLAT® engine, NUOVA BULLERI BREVETTI®, BUSELLATO®, CMS® and IMA® machines.

## 183.220

RH LH

| S | TO BE USED WITH COLLET | RETAINING STUD mm | | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| ISO30 | ER32 | Ø12.8-9 | | 1 | **183.220.01** | **183.220.02** |

995.202 For ALBERTI® and MASTERWOOD® machines.

**SAFETY TIPS**

The **TW-200** Torque Wrench is recommended for the proper fastening of clamping nuts (see page 421).

# ISO30 Chucks for “ER40” Precision Collets

## 183.201

RH

| S | TO BE USED WITH COLLET | RETAINING STUD mm | | | ORDER NO. Right-hand rotation | |
|---|---|---|---|---|---|---|
| ISO30 | ER40 | Ø12-8 | | 1 | **183.201.01** | |

995.200 For BIESSE® machines.

## 183.211

RH

| S | TO BE USED WITH COLLET | RETAINING STUD mm | | | ORDER NO. Right-hand rotation | |
|---|---|---|---|---|---|---|
| ISO30 | ER40 | Ø13-9 | | 1 | **183.211.01** | |

995.201 For BIESSE® machines with OMLAT® engine, NUOVA BULLERI BREVETTI®, BUSELLATO®, CMS® and IMA® machines.

## 183.221

RH

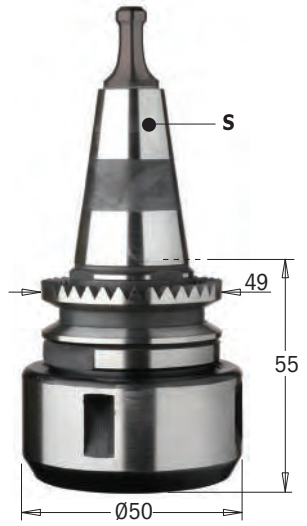
| S | TO BE USED WITH COLLET | RETAINING STUD mm | | | ORDER NO. Right-hand rotation | |
|---|---|---|---|---|---|---|
| ISO30 | ER40 | Ø12.8-9 | | 1 | **183.221.01** | |

995.202 For ALBERTI® and MASTERWOOD® machines.

**SAFETY TIPS**

The **TW-200** Torque Wrench is recommended for the proper fastening of clamping nuts (see page 421).

# ISO30 Chucks for “ER32” Precision Collets



## 183.250

RH LH

| S | TO BE USED WITH COLLET | RETAINING STUD mm | | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| ISO30 | ER32 | Ø8.5 | | 1 | **183.250.01** | **183.250.02** |

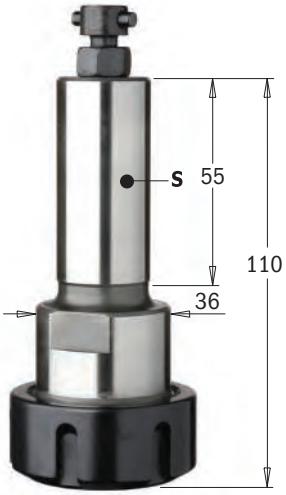
995.250 For MORBIDELLI® and SCM® machines.

**SAFETY TIPS**

The **TW-200** Torque Wrench is recommended for the proper fastening of clamping nuts (see page 421).



® Brand names mentioned in CMT products are the property of their respective owners (see back cover)



995.400

## 183.400 WITH PARALLEL SHANK Ø25MM

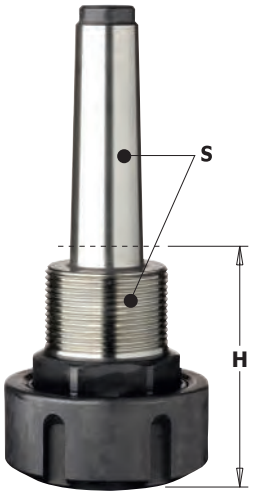
RH

| S mm | TO BE USED WITH COLLET | RETAINING STUD | | ORDER NO. Right-hand rotation | |
|---|---|---|---|---|---|
| Ø25x55 | ER32 | LEUCO® P-SYSTEM® | 1 | **183.400.01** | |

**For machines with LEUCO® P-SYSTEM®.**

**SAFETY TIPS**

The **TW-200** Torque Wrench is recommended for the proper fastening of clamping nuts (see page 421).




## 183.000/100 WITH MK2/MK3 TAPERED SHANK

RH LH

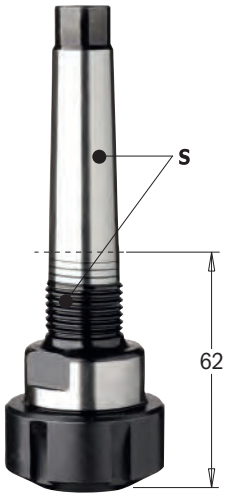
| S mm | TO BE USED WITH COLLET | H mm | | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| MK2/M30x1.5 | ER32 | 62 | | 1 | **183.000.01** | **183.000.02** |
| MK3/M30x1.5 | ER32 | 70 | | 1 | **183.100.01** | |

**MK2/MK3 tapered shank**

**SAFETY TIPS**

The **TW-200** Torque Wrench is recommended for the proper fastening of clamping nuts (see page 421).






## 123

RH LH

| S | | | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|
| MK2/Ø20x14Fx1” | | | 1 | **123.000.01** | **123.000.02** |

*Spare parts:* **992.123.01** Clamping nut RH
**992.123.02** Clamping nut LH
**991.123.00** C-spanner

**SAFETY TIPS**

The **TW-200** Torque Wrench is recommended for the proper fastening of clamping nuts (see page 421).
The **TW-2836** Hook Insert can be used with this item (see page 421).

## 124 BICONICAL COLLETS

| B mm | B inches | | ORDER NO. | B mm | B inches | | ORDER NO. |
|---|---|---|---|---|---|---|---|
| 6 | | 1 | **124.060.00** | 10 | | 1 | **124.100.00** |
| 6.35 | 1/4 | 1 | **124.064.00** | 12 | | 1 | **124.120.00** |
| 8 | 5/16 | 1 | **124.080.00** | 12.7 | 1/2 | 1 | **124.127.00** |
| 9.5 | 3/8 | 1 | **124.095.00** | 14 | | 1 | **124.140.00** |

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

CMT ORANGE TOOLS®

**184** **TECHNICAL DETAILS:**
Replaceable **Standard Precision 0.015** collets. 0; -0.7mm wide clamping tolerance.
Replaceable **High Precision 0.005** collets. 0; -1mm wide clamping tolerance.
Suitable for most conical chucks.
*Special dimensions available on request.*

STANDARD SP 0.015

**RUN-OUT**
This tolerance is guaranteed only on the nominal diameter

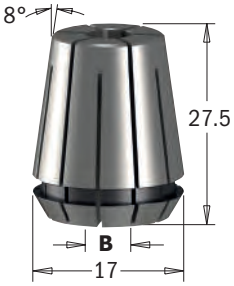
HIGH HP 0.005 XTREME

## ER11

| B mm | ORDER NO. STANDARD |
|---|---|
| 2 | 184.020.11 |
| 3 | 184.030.11 |
| 4 | 184.040.11 |
| 5 | 184.050.11 |
| 6 | 184.060.11 |

BULK PACK 10 PCS.

## ER16




| B mm | B inches | ORDER NO. STANDARD | B mm | B inches | ORDER NO. STANDARD |
|---|---|---|---|---|---|
| 2 | | 184.020.16 | 7 | | 184.070.16 |
| 3 | | 184.030.16 | 8 | 5/16 | 184.080.16 |
| 4 | | 184.040.16 | 9 | | 184.090.16 |
| 5 | | 184.050.16 | 10 | | 184.100.16 |
| 6 | | 184.060.16 | | | |

BULK PACK 10 PCS.

## ER20

| B mm | B inches | ORDER NO. STANDARD | B mm | B inches | ORDER NO. STANDARD |
|---|---|---|---|---|---|
| 2 | | 184.020.20 | 8 | 5/16 | 184.080.20 |
| 3 | | 184.030.20 | 9 | | 184.090.20 |
| 4 | | 184.040.20 | 10 | | 184.100.20 |
| 5 | | 184.050.20 | 11 | | 184.110.20 |
| 6 | | 184.060.20 | 12 | | 184.120.20 |
| 6.35 | 1/4 | 184.064.20 | 12.7 | 1/2 | 184.127.20 |
| 7 | | 184.070.20 | | | |

BULK PACK 10 PCS.

## ER25

| B mm | B inches | ORDER NO. STANDARD |
|---|---|---|
| 3 | | 184.030.25 |
| 4 | | 184.040.25 |
| 5 | | 184.050.25 |
| 6 | | 184.060.25 |
| 6.35 | 1/4 | 184.064.25 |
| 8 | 5/16 | 184.080.25 |
| 9 | | 184.090.25 |
| 10 | | 184.100.25 |
| 12 | | 184.120.25 |
| 12.7 | 1/2 | 184.127.25 |
| 14 | | 184.140.25 |
| 16 | 5/8 | 184.160.25 |

BULK PACK 10 PCS.

## ER32

For chucks:
183.000/100/200/250/300/400

| B mm | B inches | ORDER NO. STANDARD (SP 0.015) | ORDER NO. HIGH (HP 0.005) | B mm | B inches | ORDER NO. STANDARD (SP 0.015) | ORDER NO. HIGH (HP 0.005) |
|---|---|---|---|---|---|---|---|
| 3 | | 184.030.00 | | 11 | | 184.110.00 | |
| 4 | | 184.040.00 | 184.040.00H | 12 | | 184.120.00 | 184.120.00H |
| 5 | | 184.050.00 | | 12.7 | 1/2 | 184.127.00 | |
| 6 | | 184.060.00 | 184.060.00H | 14 | | 184.140.00 | |
| 6.35 | 1/4 | 184.065.00 | | 15 | | 184.150.00 | |
| 7 | | 184.070.00 | | 16 | 5/8 | 184.160.00 | 184.160.00H |
| 8 | 5/16 | 184.080.00 | 184.080.00H | 17 | | 184.170.00 | |
| 9 | | 184.090.00 | | 18 | | 184.180.00 | |
| 9.53 | 3/8 | 184.095.00 | | 19 | 3/4 | 184.190.00 | |
| 10 | | 184.100.00 | 184.100.00H | 20 | | 184.200.00 | 184.200.00H |

BULK PACK 10 PCS.

## ER40

For chucks:
183.201/211/221/310

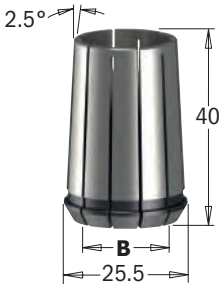
| B mm | B inches | ORDER NO. STANDARD (SP 0.015) | ORDER NO. HIGH (HP 0.005) | B mm | B inches | ORDER NO. STANDARD (SP 0.015) | ORDER NO. HIGH (HP 0.005) |
|---|---|---|---|---|---|---|---|
| 3 | | 184.032.00 | | 12 | | 184.122.00 | 184.122.00H |
| 4 | | 184.042.00 | | 12.7 | 1/2 | 184.128.00 | |
| 5 | | 184.052.00 | | 14 | | 184.142.00 | |
| 6 | | 184.062.00 | 184.062.00H | 16 | 5/8 | 184.162.00 | 184.162.00H |
| 6.35 | 1/4 | 184.064.00 | | 18 | | 184.182.00 | |
| 7 | | 184.072.00 | | 19 | 3/4 | 184.192.00 | |
| 8 | 5/16 | 184.082.00 | 184.082.00H | 20 | | 184.202.00 | 184.202.00H |
| 9.53 | 3/8 | 184.096.00 | | 25 | | 184.252.00 | 184.252.00H |
| 10 | | 184.102.00 | | | | | |

BULK PACK 10 PCS.

**185** **TECHNICAL DETAILS:**
Replaceable **Standard Precision 0.015** collets. 0; -0.7mm wide clamping tolerance.
Suitable for most conical chucks.
***Special dimensions available on request.***

## EOC25

| B mm | B inches | | ORDER NO. | B mm | B inches | | ORDER NO. |
|---|---|---|---|---|---|---|---|
| 3 | | 10 | **185.030.00** | 12 | | 10 | **185.120.00** |
| 4 | | 10 | **185.040.00** | 12.7 | 1/2 | 10 | **185.127.00** |
| 5 | | 10 | **185.050.00** | 14 | | 10 | **185.140.00** |
| 6 | | 10 | **185.060.00** | 16 | 5/8 | 10 | **185.160.00** |
| 6.35 | 1/4 | 10 | **185.064.00** | 18 | | 10 | **185.180.00** |
| 8 | 5/16 | 10 | **185.080.00** | 19 | 3/4 | 10 | **185.191.00** |
| 9.5 | 3/8 | 10 | **185.095.00** | 20 | | 10 | **185.200.00** |
| 10 | | 10 | **185.100.00** | 25 | | 10 | **185.250.00** |




## EOC16

| B mm | B inches | | ORDER NO. | B mm | B inches | | ORDER NO. |
|---|---|---|---|---|---|---|---|
| 6 | | 10 | **185.060.16** | 12 | | 10 | **185.120.16** |
| 8 | 5/16 | 10 | **185.080.16** | 14 | | 10 | **185.140.16** |
| 10 | | 10 | **185.100.16** | 16 | 5/8 | 10 | **185.160.16** |

# Clamping Nuts

## 992.583 FOR «ER25»

RH LH

| DESCRIPTION | D mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|
| Clamping nut without bearing | 42 | M32x1.5 | 1 | **992.583.01** | **992.583.02** |

## 992.183 FOR «ER32»

RH LH

| DESCRIPTION | D mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|
| **Clamping nut without bearing** | | | | | |
| For 183.000/100/200/250/300/400 chucks | 50 | M40x1.5 | 1 | **992.183.01** | **992.183.02** |
| **Clamping nut with bearing** | | | | | |
| For 183.000/100/200/250/300/400 chucks | 50 | M40x1.5 | 1 | **992.183.11** | **992.183.12** |

## 992.383 FOR «ER40»

RH LH

| DESCRIPTION | D mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|
| **Clamping nut without bearing** | | | | | |
| For 183.201/211/221/310 chucks | 63 | M50x1.5 | 1 | **992.383.01** | **992.383.02** |
| **Clamping nut with bearing** | | | | | |
| For 183.201/211/221/310 chucks | 63 | M50x1.5 | 1 | **992.383.11** | |

## 992.283 FOR «EOC25»

RH

| DESCRIPTION | D mm | S mm | | ORDER NO. Right-hand rotation | |
|---|---|---|---|---|---|
| Clamping nut without bearing for chuck 183.320 | 60 | M48x2 | 1 | **992.283.01** | |
| Clamping nut with bearing for chuck 183.320 | 60 | M48x2 | 1 | **992.283.11** | |

# ISO30 Retaining Studs

## 995

| DESCRIPTION | | D mm | D2 mm | ORDER NO. |
|---|---|---|---|---|
| For 183.200/201 | BIESSE® chucks | 8 | 12.8 | **995.200.00** |
| For 183.210/211 | BIESSE®, OMLAT®, NUOVA BULLERI BREVETTI®, BUSELLATO®, WEEKE®, IMA®" chucks | 9 | 13 | **995.201.00** |
| For 183.220/221 | ALBERTI® - MASTERWOOD® chucks | 9 | 12.8 | **995.202.00** |
| For 183.250/251 | SCM® - MORBIDELLI® chucks | 6.5 | 8.5 | **995.250.00** |
| For 183.400 | LEUCO® P-SYSTEM® chucks | M8 | | **995.400.00** |

# C-Spanner

## 991.183/184

| DESCRIPTION | | ORDER NO. |
|---|---|---|
| C-Spanner for "ER32" (M40x1.5mm) | 1 | **991.183.00** |
| C-Spanner for "ER40" (M50x1.5mm) | 1 | **991.184.00** |

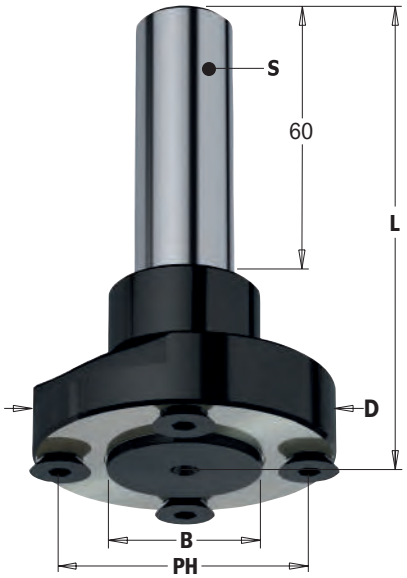
## 991.283 FOR «DIN6388» AND «ER40»

| DESCRIPTION | | ORDER NO. |
|---|---|---|
| C-Spanner for 58-62-65mm | 1 | **991.283.00** |

## 991.284/285 FOR KINETIC

| DESCRIPTION | | ORDER NO. |
|---|---|---|
| C-Spanner 80-90mm for KINETIC ER20/ER25 | 1 | **991.285.00** |
| C-Spanner 95-100mm (17112) for KINETIC ER32/ER40 | 1 | **991.284.00** |

# Saw Blade Arbor with Parallel Shank




## 183.410

LH RH

| S mm | D mm | B mm | PIN HOLE | L mm | | ORDER NO. |
|---|---|---|---|---|---|---|
| 20 | 59 | 30 | 4/M6/48 | 97.5 | 1 | **183.410.30** |

*Spare parts:* **990.116.00** M6x8.7x12mm TSPEI screw (to use with Plate Thickness ≥ 2.2mm)
**991.067.00** 3mm hex key
**991.064.00** 4mm hex key

*Optional:* **990.083.00** M6x8x10mm TSPEI screw (to use with Plate Thickness < 2.2mm)

Max saw blade Ø 250mm for chuck **183.410.30**

Do not exceed maximum RPM indicated on the blade.

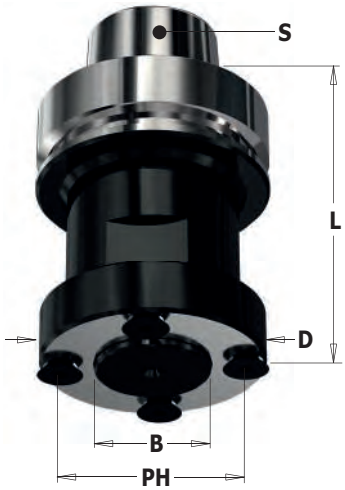
Grooving saw blades available at page 58 on request.

**SAFETY TIPS**

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).



® Brand names mentioned in CMT products are the property of their respective owners (see back cover)



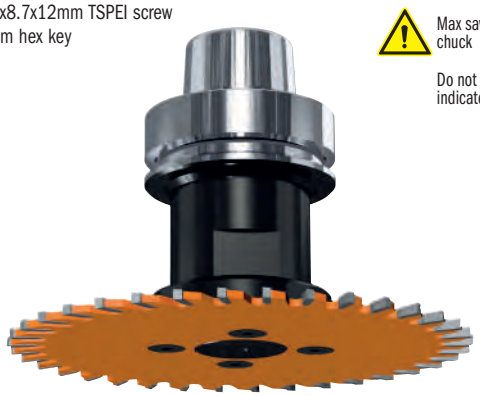

## 183.420

| S | D mm | B mm | PIN HOLE | L mm | | ORDER NO. |
|---|---|---|---|---|---|---|
| HSK-63F | 59 | 30 | 4/M6/48 | 78 | 1 | 183.420.30 |

*Spare parts:* **990.116.00** M6x8.7x12mm TSPEI screw
**991.064.00** 4mm hex key

Max saw blade Ø 250mm for chuck 183.420.30

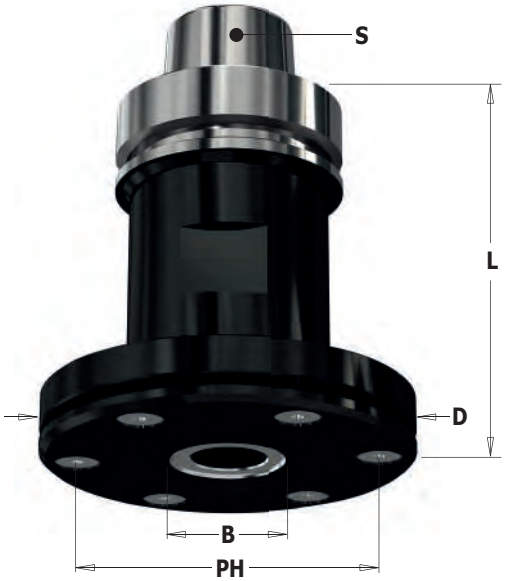
Do not exceed maximum RPM indicated on the blade.



Grooving saw blades available at page 58 on request.

**SAFETY TIPS**

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).




## 183.421

| S | D mm | B mm | PIN HOLE | L mm | | ORDER NO. |
|---|---|---|---|---|---|---|
| HSK-63F | 98 | 30 | 6/M6/80 | 94 | 1 | 183.421.30 |

*Spare parts:* **990.119.00** M6x12x16mm TSPEI screw
**991.064.00** 4mm hex key

Max saw blade Ø 300mm for chuck 183.421.30

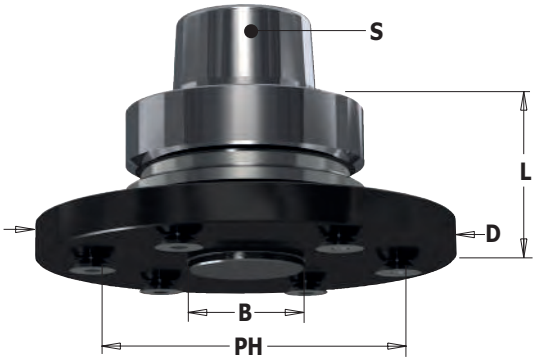
Do not exceed maximum RPM indicated on the blade.

WITH FLANGE Ø98mm

Grooving saw blades available on request.

**SAFETY TIPS**

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).




## 183.422

| S | D mm | B mm | PIN HOLE | L mm | | ORDER NO. |
|---|---|---|---|---|---|---|
| HSK-63F | 110 | 30 | 6/M6/80 | 40 | 1 | 183.422.30 |

*Spare parts:* **990.116.00** M6x8.7x12mm TSPEI screw
**991.064.00** 4mm hex key

Max saw blade Ø 350mm for chuck 183.422.30

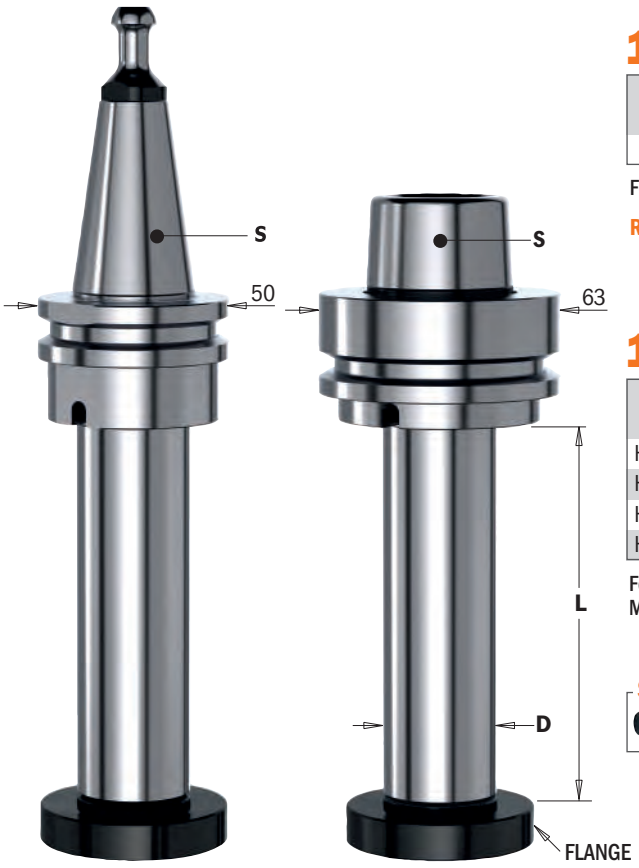
Do not exceed maximum RPM indicated on the blade.

Grooving saw blades available on request.

**SAFETY TIPS**

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

# Cutter Arbor Chucks with Tapered Shank




## 183.260

| S | DESCRIPTION | D x L mm | | ORDER NO. |
|---|---|---|---|---|
| ISO30 | Cutter arbor with ISO30 tapered shank | 30x100 | 1 | **183.260.00** |

**For BIESSE® machines.**

**REMARK:** ***special dimensions available on request.***

## 183.360

| S | DESCRIPTION | D x L mm | | ORDER NO. |
|---|---|---|---|---|
| HSK-63F | Cutter arbor with HSK tapered shank | 30x100 | 1 | **183.360.00** |
| HSK-63F | Cutter arbor with HSK tapered shank | 30x150 | 1 | **183.360.10** |
| HSK-63F | Cutter arbor with HSK tapered shank | 35x100 | 1 | **183.361.00** |
| HSK-63F | Cutter arbor with HSK tapered shank | 40x100 | 1 | **183.362.00** |

**For HOMAG®, EIMA®, IMA® FROM 9/94, WEEKE®, BIESSE®, SCM®, MORBIDELLI® and MASTERWOOD® machines.**

**SAFETY TIPS**

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

# Spare Parts for Cutter Arbor Chucks

| DESCRIPTION | ORDER NO. | DESCRIPTION | ORDER NO. |
|---|---|---|---|
| M6x25 TCEI screw | **990.098.00** | ***Optional Steel Flange*** | |
| Steel flange for with Ø30mm arbors - Male | **992.560.30M** | For with Ø30mm arbors - Female | **992.560.30F** |
| Steel flange for with Ø35mm arbors - Male | **992.560.35M** | For with Ø35mm arbors - Female | **992.560.35F** |
| Steel flange for with Ø40mm arbors - Male | **992.560.40M** | For with Ø30mm arbors - Female | **992.560.40F** |

# Universal Assembly Supports for Chucks

## 183

| SUITABLE FOR | D mm | | ORDER NO. |
|---|---|---|---|
| HSK-63, BT40, ISO40 DIN 2080, SK40 DIN 69871, CAPTO® C6 | 63 | 1 | **183-HSK** |
| ISO30, DIN 2080, SK30 DIN 69871, HSK50, CAPTO® C5 | 50 | 1 | **183-ISO*** |

*Not compatible with chucks **183.250** and **183.251**

CMT now offers new universal assembly supports for HSK-63F and ISO30 chucks. Thanks to the bi-directional roller bearings, which clamp the Left-hand rotation to the flange, the system offers the highest protection to the tool taper and clamps are no longer needed.

**Nm Max = 300 Nm**

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

EXTRA HARD DLCS CHROME COATING

# XTREME COATING

## THE ULTIMATE TECHNOLOGY FOR INDUSTRIAL CNC TOOLS

**DLCS** is a modified diamond-like carbon coating that delivers outstanding performance. Chromium Nitride reinforced with layered carbon ensure durability and hardness, enhancing surface resilience and improving tribological properties. The coating shields against excessive overheating, which could otherwise jeopardize tool performance over time.

| EXTREME COATING HARDNESS >2.500 HV | ULTRA-THIN COATING 2-4 µm | REDUCED FRICTION COEFFICIENT (0,1-0,2) | OPTIMAL RESISTANCE TO HEAT BUILD UP |
|---|---|---|---|
| Offers impressive hardness on cutting edges as well as outstanding protection against wear and tear. | The micron thin finish maintance perfect sharpness for excellent cutting quality. | Very good running-in and low friction losses. Reduction of sticking. Ideal for high speeds in Nesting applications. | Reduced overheating. Cutting edges resist excessive wear even up to 400°C. |

## BENEFITS

3X LONGER LIFE THAN UNCOATED

## DLCS CHROME COATING

PROVIDES 3 TIMES LONGER LIFE THAN UNCOATED TOOLS!

**Test performed in U.S. with ½" solid carbide compression spiral bit**

| | |
|---|---|
| **MACHINE:** | FELDER® Profit H10 (Nested Base/Overhead CNC Router) |
| **WORKING PARAMETERS:** | RPM = 18.000 - Feed = 20 mts/minute |
| **MATERIAL:** | 19mm Melamine Chipboard |
| **APPLICATION:** | Nesting Full Dimensioning |
| **PERFORMANCE:** | DLCS coated bit cut 165 melamine panels<br>Uncoated bit cut 56 melamine panels |

**FELDER® PROFIT H10**

**DLCS COATED BIT**

**MELAMINE CHIPBOARD**

**CUT QUALITY AFTER 165 PANELS**

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

EXTRA HARD DLCS CHROME COATING

3X LONGER LIFE THAN UNCOATED

XTREME PERFORMANCE

## 190.41 DLCS CHROME COATING

HWM | Z2+2 | Z3+3 | RH | UP DOWN | LONG LIFE

| D mm | I mm | I1 mm | L mm | S mm | Z | | ORDER NO. Right-hand rotation |
|---|---|---|---|---|---|---|---|
| 8 | 32 | 7 | 80 | 8 | 2+2 | 10 | **190.080.41** |
| 9.53 | 28.6 | 7 | 76.2 | 9.53 | 2+2 | 10 | **190.504.41** |
| 10 | 32 | 7 | 80 | 10 | 2+2 | 10 | **190.100.41** |
| 10 | 42 | 7 | 90 | 10 | 2+2 | 10 | **190.101.41** |
| 12 | 42 | 7 | 90 | 12 | 2+2 | 10 | **190.120.41** |
| 12 | 52 | 7 | 100 | 12 | 2+2 | 10 | **190.121.41** |
| 12.7 | 25.4 | 12 | 76.2 | 12.7 | 2+2 | 10 | **190.505.41** |
| 12.7 | 28.6 | 12 | 76.2 | 12.7 | 2+2 | 10 | **190.506.41** |
| 12.7 | 34.9 | 12 | 88.9 | 12.7 | 2+2 | 10 | **190.507.41** |
| 12.7 | 41.3 | 12 | 101.6 | 12.7 | 2+2 | 10 | **190.508.41** |
| ...UP & DOWNCUT MORTISING BITS | | | | | | | |
| 9.53 | 22.2 | 4.8 | 76.2 | 9.53 | 2+2 | 10 | **190.513.41** |
| 9.53 | 25.4 | 5.2 | 76.2 | 9.53 | 3+3 | 10 | **190.813.41** |
| 12 | 25 | 5.2 | 83 | 12 | 3+3 | 10 | **190.320.41** |
| 12.7 | 22.2 | 5.2 | 76.2 | 12.7 | 2+2 | 10 | **190.515.41** |
| 12.7 | 34.9 | 5.2 | 88.9 | 12.7 | 2+2 | 10 | **190.517.41** |
| 12.7 | 28.5 | 6 | 76.2 | 12.7 | 3+3 | 10 | **190.815.41** |

## 190

HWM | Z1+1 | Z2+2 | Z3+3 | RH | UP DOWN

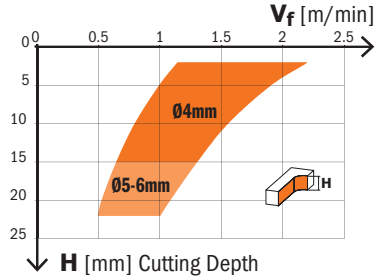
| D mm | I mm | I1 mm | L mm | S mm | Z | | ORDER NO. Right-hand rotation |
|---|---|---|---|---|---|---|---|
| 4 | 15 | 5 | 50 | 4 | 1+1 | 10 | **190.040.11** |
| 5 | 22 | 8 | 60 | 5 | 1+1 | 10 | **190.050.11** |
| 6 | 22 | 8 | 60 | 6 | 1+1 | 10 | **190.060.11** |
| 6.35 | 22.2 | 7 | 63.5 | 6.35 | 2+2 | 10 | **190.008.11** |
| 8 | 32 | 7 | 80 | 8 | 2+2 | 10 | **190.080.11** |
| 9.53 | 28.6 | 7 | 76.2 | 9.53 | 2+2 | 10 | **190.504.11** |
| 10 | 32 | 7 | 80 | 10 | 2+2 | 10 | **190.100.11** |
| 10 | 42 | 7 | 90 | 10 | 2+2 | 10 | **190.101.11** |
| 12 | 42 | 7 | 90 | 12 | 2+2 | 10 | **190.120.11** |
| 12 | 52 | 7 | 100 | 12 | 2+2 | 10 | **190.121.11** |
| 12.7 | 25.4 | 12 | 76.2 | 12.7 | 2+2 | 10 | **190.505.11** |
| 12.7 | 28.6 | 12 | 76.2 | 12.7 | 2+2 | 10 | **190.506.11** |
| 12.7 | 34.9 | 12 | 88.9 | 12.7 | 2+2 | 10 | **190.507.11** |
| 12.7 | 41.3 | 12 | 101.6 | 12.7 | 2+2 | 10 | **190.508.11** |
| 16 | 55 | 24 | 110 | 16 | 2+2 | 10 | **190.160.11** |
| 18 | 55 | 30 | 110 | 18 | 2+2 | 10 | **190.180.11** |
| ...UP & DOWNCUT MORTISING BITS | | | | | | | |
| 9.53 | 22.2 | 4.8 | 76.2 | 9.53 | 2+2 | 10 | **190.513.11** |
| 9.53 | 25.4 | 5.2 | 76.2 | 9.53 | 3+3 | 10 | **190.813.11** |
| 12 | 25 | 5.2 | 83 | 12 | 3+3 | 10 | **190.320.11** |
| 12.7 | 22.2 | 5.2 | 76.2 | 12.7 | 2+2 | 10 | **190.515.11** |
| 12.7 | 34.9 | 5.2 | 88.9 | 12.7 | 2+2 | 10 | **190.517.11** |
| 12.7 | 28.5 | 6 | 76.2 | 12.7 | 3+3 | 10 | **190.815.11** |

**TECHNICAL DETAILS:**
- Premium quality HWM.
- 1+1 spiral cutting edges [Z1+1].
- 2+2 spiral cutting edges [Z2+2].
- 3+3 spiral cutting edges [Z3+3].
- **Provide an excellent finish on both the upper and the lower side of the workpiece.**

**APPLICATION:**
used for efficient contour cutting, end-trimming and panel sizing on solid wood, wood composites, plastic materials and laminates at high feed speed. Ensure to properly clamp workpieces. Can be used on machining centres, point-to-point boring machines, CNC routers and hand-held routers equipped with chucks or adaptors.

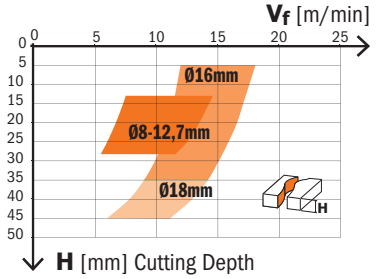
Results shown in this diagram are purely empirical, based merely on informative and hypothetical calculation. Each application may require different parameters in consideration of materials in use and machining conditions.
CMT is not responsable for direct, indirect, incidental or consequential damages resulting from any defect, error or failure due to this diagram.

**Ø4-6mm CHIPBOARD**




24000 RPM
Correction factor for Vf: MDF=0.8

**Ø8-18mm CHIPBOARD**




18000 RPM
Correction factor for Vf: MDF=0.8

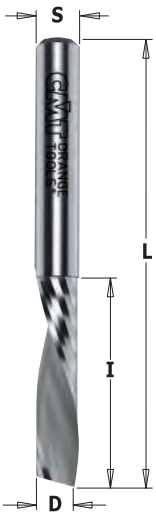
## 198 UPCUT SPIRAL

HWM Z1 RH UP

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | |
|---|---|---|---|---|---|---|
| 3 | 12 | 50 | 3 | 10 | **198.030.11** | |
| 3.18 | 12.7 | 50.8 | 6.35 | 10 | **198.001.11** | |
| 4 | 15 | 50 | 4 | 10 | **198.040.11** | |
| 4.76 | 15.88 | 50.8 | 6.35 | 10 | **198.005.11** | |
| 5 | 17 | 50 | 5 | 10 | **198.050.11** | |
| 6 | 22 | 60 | 6 | 10 | **198.060.11** | |
| 6.35 | 19.05 | 50.8 | 6.35 | 10 | **198.007.11** | |
| 6.35 | 25.4 | 63.5 | 6.35 | 10 | **198.008.11** | |
| 8 | 22 | 70 | 8 | 10 | **198.080.11** | |
| 8 | 32 | 80 | 8 | 10 | **198.081.11** | |
| 9.53 | 28.57 | 76.2 | 9.53 | 10 | **198.504.11** | |
| 10 | 32 | 70 | 10 | 10 | **198.100.11** | |
| 10 | 42 | 80 | 10 | 10 | **198.101.11** | |
| 10 | 52 | 90 | 10 | 10 | **198.102.11** | |
| 12 | 32 | 83 | 12 | 10 | **198.120.11** | |

**TECHNICAL DETAILS:**
- Premium quality HWM.
- 1 spiral cutting edge [Z1].
- **Provide an excellent finish on the lower side of the workpiece.**
- Upward chip ejection.

**APPLICATION:**
used for efficient contour cutting, end-trimming and panel sizing on solid wood, wood composites, plastic materials and laminates at high feed speed. Ensure to properly clamp workpieces.
Can be used on machining centres, point-to-point boring machines, CNC routers and hand-held routers equipped with chucks or adaptors.




## 198 DOWNCUT SPIRAL

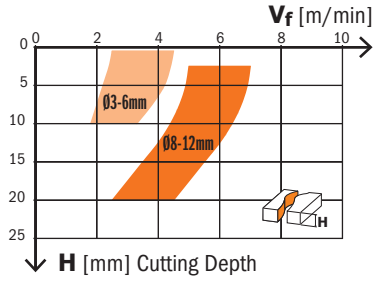
HWM Z1 RH DOWN

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | |
|---|---|---|---|---|---|---|
| 6 | 27 | 60 | 6 | 10 | **198.660.11** | |

**TECHNICAL DETAILS:**
- Premium quality HWM.
- 1 spiral cutting edge [Z1].
- **Provide an excellent finish on the top side of the workpiece.**
- Downward chip ejection.

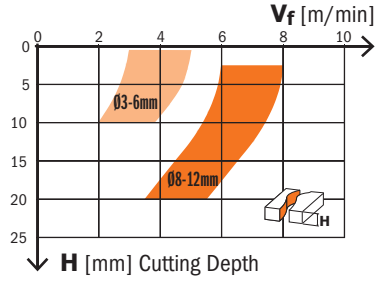
**APPLICATION:**
used for efficient contour cutting, end-trimming and panel sizing on solid wood, wood composites, plastic materials and laminates at high feed speed. Ensure to properly clamp workpieces.
Can be used on machining centres, point-to-point boring machines, CNC routers and hand-held routers equipped with chucks or adaptors.

**Ø3-12mm PLASTICS, LAMINATED**




16000~18000 RPM

**Ø3-12mm SOFTWOOD**




18000~24000 RPM
Correction factor for Vf:
Hardwood=0.9
Machining across grain=0.7
Chipboard=1.1

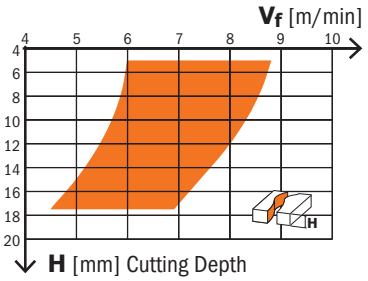
Results shown in this diagram are purely empirical, based merely on informative and hypothetical calculation.
Each application may require different parameters in consideration of materials in use and machining conditions.
CMT is not responsable for direct, indirect, incidental or consequential damages resulting from any defect, error or failure due to this diagram.

# 191

HWM Z2 RH UP

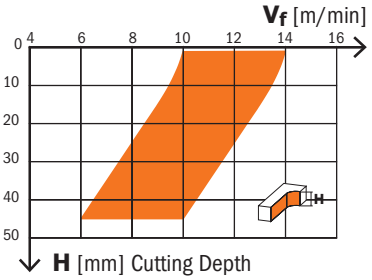
| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | |
|---|---|---|---|---|---|---|
| 3 | 12 | 50 | 3 | 10 | **191.030.11** | |
| 3 | 12 | 60 | 6 | 10 | **191.630.11** | |
| 3 | 12 | 60 | 8 | 10 | **191.830.11** | |
| 3.18 | 12.7 | 50.8 | 6.35 | 10 | **191.001.11** | |
| 3.5 | 12 | 60 | 6 | 10 | **191.635.11** | |
| 3.97 | 12.7 | 50.8 | 6.35 | 10 | **191.003.11** | |
| 4 | 15 | 50 | 4 | 10 | **191.040.11** | |
| 4 | 15 | 60 | 6 | 10 | **191.640.11** | |
| 4 | 15 | 60 | 8 | 10 | **191.840.11** | |
| 4.76 | 19.05 | 50.8 | 6.35 | 10 | **191.005.11** | |
| 5 | 17 | 50 | 5 | 10 | **191.050.11** | |
| 5 | 17 | 60 | 6 | 10 | **191.650.11** | |
| 5 | 17 | 60 | 8 | 10 | **191.850.11** | |
| 6 | 27 | 70 | 6 | 10 | **191.060.11** | |
| 6 | 27 | 70 | 8 | 10 | **191.860.11** | |
| 6.35 | 19.05 | 50.8 | 6.35 | 10 | **191.007.11** | |
| 6.35 | 25.4 | 63.5 | 6.35 | 10 | **191.008.11** | |
| 7 | 32 | 80 | 8 | 10 | **191.870.11** | |
| 7.94 | 25.4 | 76.2 | 12.7 | 10 | **191.501.11** | |
| 8 | 22 | 70 | 8 | 10 | **191.080.11** | |
| 8 | 32 | 80 | 8 | 10 | **191.081.11** | |
| 8 | 42 | 90 | 8 | 10 | **191.082.11** | |
| 9 | 32 | 83 | 12 | 10 | **191.890.11** | |
| 9.53 | 31.75 | 82.5 | 12.7 | 10 | **191.503.11** | |
| 10 | 32 | 80 | 8 | 10 | **191.800.11** | |
| 10 | 32 | 80 | 10 | 10 | **191.100.11** | |
| 10 | 32 | 83 | 12 | 10 | **191.900.11** | |
| 10 | 42 | 90 | 10 | 10 | **191.101.11** | |
| 10 | 42 | 90 | 12 | 10 | **191.901.11** | |
| 12 | 35 | 83 | 8 | 10 | **191.820.11** | |
| 12 | 35 | 83 | 12 | 10 | **191.120.11** | |
| 12 | 42 | 90 | 12 | 10 | **191.121.11** | |
| 12 | 52 | 100 | 12 | 10 | **191.122.11** | |
| 12.7 | 31.75 | 76.2 | 12.7 | 10 | **191.505.11** | |
| 12.7 | 38.1 | 88.9 | 12.7 | 10 | **191.506.11** | |
| 12.7 | 50.8 | 101.6 | 12.7 | 10 | **191.507.11** | |
| 14 | 50 | 110 | 14 | 1 | **191.140.11** | |
| 16 | 55 | 110 | 16 | 1 | **191.160.11** | |
| 16 | 35 | 90 | 16 | 1 | **191.161.11** | |
| 16 | 72 | 120 | 16 | 1 | **191.165.11** | |
| 20 | 72 | 120 | 20 | 1 | **191.200.11** | |

**Ø12-14mm PLASTICS, LAMINATED**




14000~18000 RPM

**Ø12-20mm SOFTWOOD**




18000 RPM
Jointing Cutting thickness 0.5-2mm
Correction factor for Vf:
Hardwood=0.9
Machining across grain=0.7

**TECHNICAL DETAILS:**
- Premium quality HWM.
- 2 spiral cutting edges [Z2].
- **Provide an excellent finish on the lower side of the workpiece.**
- Upward chip ejection.

**APPLICATION:**
used for efficient contour cutting, end-trimming and panel sizing on solid wood, wood composites, plastic materials and laminates at high feed speed. Ensure to properly clamp workpieces.
Can be used on machining centres, point-to-point boring machines, CNC routers and hand-held routers equipped with chucks or adaptors.

Results shown in this diagram are purely empirical, based merely on informative and hypothetical calculation.
Each application may require different parameters in consideration of materials in use and machining conditions.
CMT is not responsable for direct, indirect, incidental or consequential damages resulting from any defect, error or failure due to this diagram.

EXTRA HARD DLCS CHROME COATING

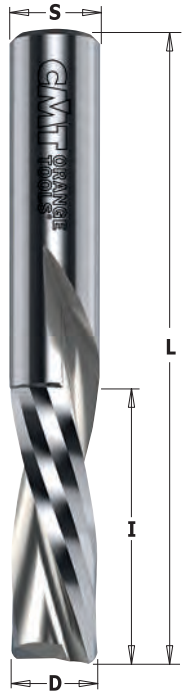
3X LONGER LIFE THAN UNCOATED

XTREME PERFORMANCE

## 192.41 DLCS CHROME COATING

HWM Z2 RH DOWN

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation |
|---|---|---|---|---|---|
| 6.35 | 19.05 | 50.8 | 6.35 | 10 | **192.007.41** |
| 6.35 | 25.4 | 63.5 | 6.35 | 10 | **192.008.41** |
| 9.53 | 31.75 | 82.5 | 12.7 | 10 | **192.503.41** |
| 12.7 | 31.75 | 76.2 | 12.7 | 10 | **192.505.41** |
| 12.7 | 38.1 | 88.9 | 12.7 | 10 | **192.506.41** |
| 12.7 | 50.8 | 101.6 | 12.7 | 10 | **192.507.41** |




## 192

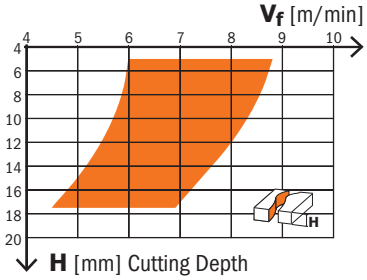
HWM Z2 RH DOWN

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation |
|---|---|---|---|---|---|
| 3 | 12 | 50 | 3 | 10 | **192.030.11** |
| 3 | 12 | 60 | 6 | 10 | **192.630.11** |
| 3 | 12 | 60 | 8 | 10 | **192.830.11** |
| 3.18 | 12.7 | 50.8 | 6.35 | 10 | **192.001.11** |
| 3.97 | 12.7 | 50.8 | 6.35 | 10 | **192.003.11** |
| 4 | 15 | 50 | 4 | 10 | **192.040.11** |
| 4 | 15 | 60 | 6 | 10 | **192.640.11** |
| 4 | 15 | 60 | 8 | 10 | **192.840.11** |
| 4.76 | 19.05 | 50.8 | 6.35 | 10 | **192.005.11** |
| 5 | 17 | 50 | 5 | 10 | **192.050.11** |
| 5 | 17 | 60 | 6 | 10 | **192.650.11** |
| 5 | 17 | 60 | 8 | 10 | **192.850.11** |
| 6 | 27 | 70 | 6 | 10 | **192.060.11** |
| 6 | 27 | 70 | 8 | 10 | **192.860.11** |
| 6.35 | 19.05 | 50.8 | 6.35 | 10 | **192.007.11** |
| 6.35 | 25.4 | 63.5 | 6.35 | 10 | **192.008.11** |
| 7.94 | 25.4 | 76.2 | 12.7 | 10 | **192.501.11** |
| 8 | 22 | 70 | 8 | 10 | **192.080.11** |
| 8 | 32 | 80 | 8 | 10 | **192.081.11** |
| 8 | 42 | 90 | 8 | 10 | **192.082.11** |
| 9.53 | 31.75 | 82.5 | 12.7 | 10 | **192.503.11** |
| 10 | 32 | 80 | 8 | 10 | **192.800.11** |
| 10 | 32 | 80 | 10 | 10 | **192.100.11** |
| 10 | 42 | 90 | 10 | 10 | **192.101.11** |
| 10 | 32 | 83 | 12 | 10 | **192.900.11** |
| 12 | 35 | 83 | 8 | 10 | **192.820.11** |
| 12 | 35 | 83 | 12 | 10 | **192.120.11** |
| 12.7 | 31.75 | 76.2 | 12.7 | 10 | **192.505.11** |
| 12.7 | 38.1 | 88.9 | 12.7 | 10 | **192.506.11** |
| 12.7 | 50.8 | 101.6 | 12.7 | 10 | **192.507.11** |
| 14 | 52 | 110 | 14 | 1 | **192.140.11** |
| 16 | 55 | 110 | 16 | 1 | **192.160.11** |

**TECHNICAL DETAILS:**
- Premium quality HWM.
- 2 spiral edges [Z2].
- **Provide an excellent finish on the upper side of the workpiece.**
- Downward chip ejection.

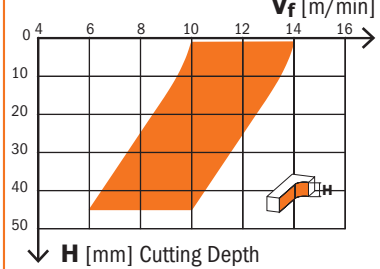
**APPLICATION:**
used for efficient contour cutting, end-trimming and panel sizing on solid wood, wood composites, plastic materials and laminates at high feed speed. Ensure to properly clamp workpieces.
Can be used on machining centres, point-to-point boring machines, CNC routers and hand-held routers equipped with chucks or adaptors.

**Ø12-14mm** PLASTICS, LAMINATED



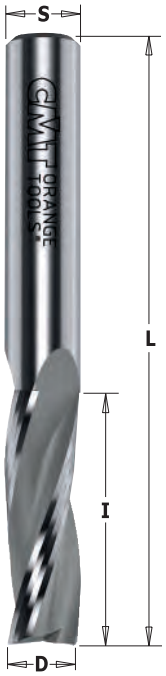

14000-18000 RPM

**Ø12-20mm** SOFTWOOD




18000 RPM
Jointing Cutting thickness 0.5-2mm
Correction factor for Vf:
Hardwood=0.9
Machining across grain=0.7

Results shown in this diagram are purely empirical, based merely on informative and hypothetical calculation.
Each application may require different parameters in consideration of materials in use and machining conditions.
CMT is not responsable for direct, indirect, incidental or consequential damages resulting from any defect, error or failure due to this diagram.




# 193

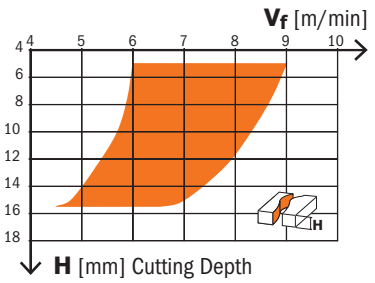
HWM Z3 RH LH UP

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 8 | 32 | 80 | 8 | 10 | **193.081.11** | **193.081.12** |
| 10 | 32 | 80 | 10 | 10 | **193.100.11** | **193.100.12** |
| 10 | 42 | 90 | 10 | 10 | **193.101.11** | |
| 12 | 35 | 83 | 12 | 10 | **193.120.11** | **193.120.12** |
| 12 | 42 | 90 | 12 | 10 | **193.121.11** | |
| 12 | 52 | 100 | 12 | 10 | **193.122.11** | |
| 14 | 58 | 110 | 14 | 1 | **193.140.11** | |
| 16 | 55 | 110 | 16 | 1 | **193.160.11** | **193.160.12** |
| 16 | 35 | 90 | 16 | 1 | **193.161.11** | |
| 16 | 72 | 120 | 16 | 1 | **193.165.11** | |
| 18 | 55 | 110 | 18 | 1 | **193.180.11** | |
| 20 | 60 | 120 | 20 | 1 | **193.200.11** | **193.200.12** |
| 20 | 70 | 120 | 20 | 1 | **193.201.11** | |
| 20 | 102 | 165 | 20 | 1 | **193.202.11** | |

**TECHNICAL DETAILS:**
- Premium quality HWM.
- 3 spiral cutting edges [Z3].
- **Provide an excellent finish on the lower side of the workpiece.**
- Upward chip ejection.

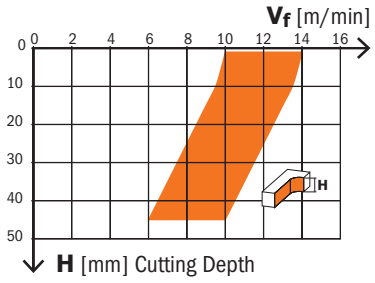
**APPLICATION:**
used for efficient contour cutting, end-trimming and panel sizing on solid wood, wood composites, plastic materials and laminates at high feed speed.
Ensure to properly clamp workpieces.
Can be used on machining centres, point-to-point boring machines, CNC routers and hand-held routers equipped with chucks or adaptors.

**Ø12-14mm** PLASTICS, LAMINATED



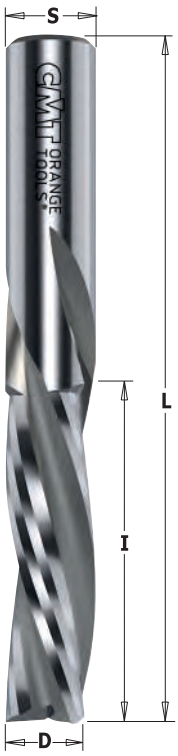

14000-18000 RPM

**Ø12-20mm** SOFTWOOD




18000 RPM
Jointing Cutting thickness 0.5-2mm
Correction factor for Vf:
Hardwood=0.9
Machining across grain=0.7

Results shown in this diagram are purely empirical, based merely on informative and hypothetical calculation.
Each application may require different parameters in consideration of materials in use and machining conditions.
CMT is not responsable for direct, indirect, incidental or consequential damages resulting from any defect, error or failure due to this diagram.




# 194

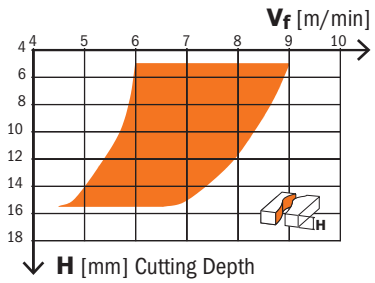
HWM Z3 RH LH DOWN

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 8 | 32 | 80 | 8 | 10 | **194.081.11** | |
| 10 | 32 | 80 | 10 | 10 | **194.100.11** | |
| 10 | 42 | 90 | 10 | 10 | **194.101.11** | |
| 12 | 35 | 83 | 12 | 10 | **194.120.11** | **194.120.12** |
| 12 | 42 | 90 | 12 | 10 | **194.121.11** | |
| 14 | 50 | 110 | 14 | 1 | **194.140.11** | |
| 16 | 55 | 110 | 16 | 1 | **194.160.11** | **194.160.12** |
| 16 | 35 | 90 | 16 | 1 | **194.161.11** | |
| 18 | 55 | 110 | 18 | 1 | **194.180.11** | |
| 20 | 60 | 120 | 20 | 1 | **194.200.11** | **194.200.12** |
| 20 | 72 | 140 | 20 | 1 | **194.201.11** | |
| 20 | 102 | 165 | 20 | 1 | **194.202.11** | |

**TECHNICAL DETAILS:**
- Premium quality HWM.
- 3 spiral cutting edges [Z3].
- **Provide an excellent finish on the upper side of the workpiece.**
- Downward chip ejection.

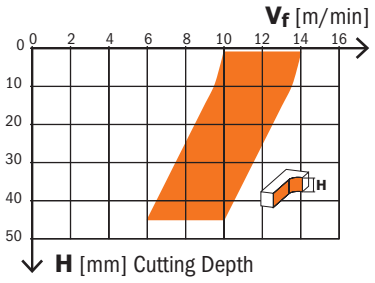
**APPLICATION:**
used for efficient contour cutting, end-trimming and panel sizing on solid wood, wood composites, plastic materials and laminates at high feed speed.
Ensure to properly clamp workpieces.
Can be used on machining centres, point-to-point boring machines, CNC routers and hand-held routers equipped with chucks or adaptors.

**Ø12-14mm** PLASTICS, LAMINATED




14000-18000 RPM

**Ø12-20mm** SOFTWOOD




18000 RPM
Jointing Cutting thickness 0.5-2mm
Correction factor for Vf:
Hardwood=0.9
Machining across grain=0.7

Results shown in this diagram are purely empirical, based merely on informative and hypothetical calculation.
Each application may require different parameters in consideration of materials in use and machining conditions.
CMT is not responsable for direct, indirect, incidental or consequential damages resulting from any defect, error or failure due to this diagram.

# 195

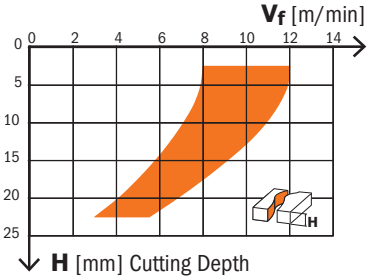
HWM Z3R RH LH UP

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 8 | 32 | 80 | 8 | 10 | **195.081.11** | **195.081.12** |
| 8 | 42 | 90 | 8 | 10 | **195.082.11** | |
| 10 | 32 | 80 | 10 | 10 | **195.100.11** | **195.100.12** |
| 10 | 42 | 90 | 10 | 10 | **195.101.11** | |
| 12 | 35 | 83 | 12 | 10 | **195.120.11** | **195.120.12** |
| 12 | 42 | 90 | 12 | 10 | **195.121.11** | |
| 12 | 52 | 100 | 12 | 10 | **195.122.11** | |
| 12.7 | 38.1 | 88.9 | 12.7 | 10 | **195.506.11** | |
| 14 | 58 | 110 | 14 | 1 | **195.140.11** | |
| 16 | 55 | 110 | 16 | 1 | **195.160.11** | **195.160.12** |
| 16 | 35 | 90 | 16 | 1 | **195.161.11** | |
| 16 | 72 | 120 | 16 | 1 | **195.165.11** | |
| 18 | 55 | 110 | 18 | 1 | **195.180.11** | |
| 20 | 60 | 120 | 20 | 1 | **195.200.11** | **195.200.12** |
| 20 | 72 | 120 | 20 | 1 | **195.201.11** | |
| 20 | 102 | 165 | 20 | 1 | **195.202.11** | |

**TECHNICAL DETAILS:**
- Premium quality HWM.
- 3 spiral cutting edges [Z3R].
- Chipbreaker teeth.
- Max 0.3mm tooth depth.
- **Provide an excellent finish on the lower side of the workpiece.**
- Upward chip ejection.

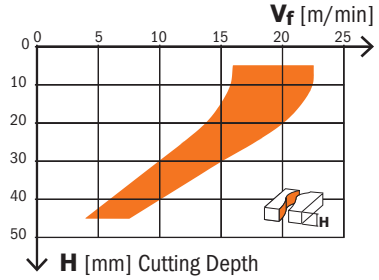
**APPLICATION:**
used for efficient contour cutting, end-trimming and panel sizing on solid wood, wood composites, plastic materials and laminates at high feed speed. Ensure to properly clamp workpieces.
Can be used on machining centres, point-to-point boring machines, CNC routers and hand-held routers equipped with chucks or adaptors.

**Ø8-10mm** SOFTWOOD



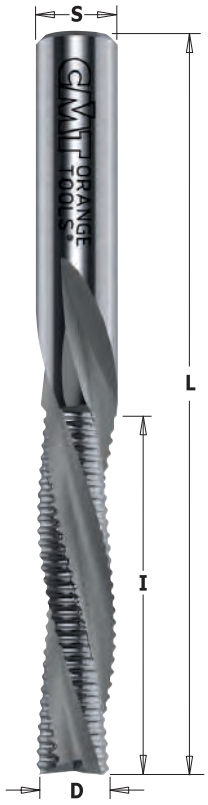

18000 RPM
Correction factor for Vf:
Hardwood=0.8
Chipboard without coating=1.3

**Ø12-20mm** SOFTWOOD




18000 RPM
Correction factor for Vf:
Hardwood=0.8
Chipboard without coating=1.3

Results shown in this diagram are purely empirical, based merely on informative and hypothetical calculation.
Each application may require different parameters in consideration of materials in use and machining conditions.
CMT is not responsable for direct, indirect, incidental or consequential damages resulting from any defect, error or failure due to this diagram.




# 196

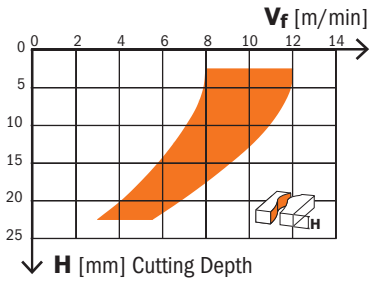
HWM Z3R RH LH DOWN

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 8 | 32 | 80 | 8 | 10 | **196.081.11** | |
| 10 | 42 | 90 | 10 | 10 | **196.101.11** | |
| 12 | 35 | 83 | 12 | 10 | **196.120.11** | **196.120.12** |
| 12 | 42 | 90 | 12 | 10 | **196.121.11** | |
| 12 | 52 | 100 | 12 | 10 | **196.122.11** | |
| 12.7 | 38.1 | 88.9 | 12.7 | 10 | **196.506.11** | |
| 14 | 50 | 110 | 14 | 1 | **196.140.11** | |
| 16 | 55 | 120 | 16 | 1 | **196.160.11** | **196.160.12** |
| 18 | 55 | 110 | 18 | 1 | **196.180.11** | |
| 20 | 60 | 140 | 20 | 1 | **196.200.11** | |
| 20 | 72 | 140 | 20 | 1 | **196.201.11** | |

**TECHNICAL DETAILS:**
- Premium quality HWM.
- 3 spiral cutting edges [Z3R].
- Chipbreaker teeth.
- Max 0.3mm tooth depth.
- **Provide excellent finish on the upper side of the workpiece.**
- Downward chip ejection.

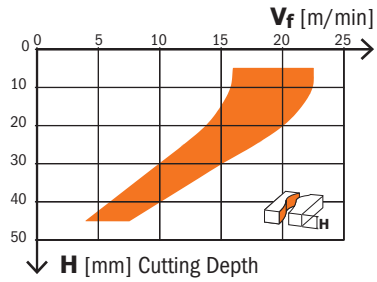
**APPLICATION:**
used for efficient contour cutting, end-trimming and panel sizing on solid wood, wood composites, plastic materials and laminates at high feed speed. Ensure to properly clamp workpieces.
Can be used on machining centres, point-to-point boring machines, CNC routers and hand-held routers equipped with chucks or adaptors.

**Ø8-10mm** SOFTWOOD




18000 RPM
Correction factor for Vf:
Hardwood=0.8
Chipboard without coating=1.3

**Ø12-20mm** SOFTWOOD




18000 RPM
Correction factor for Vf:
Hardwood=0.8
Chipboard without coating=1.3

Results shown in this diagram are purely empirical, based merely on informative and hypothetical calculation.
Each application may require different parameters in consideration of materials in use and machining conditions.
CMT is not responsable for direct, indirect, incidental or consequential damages resulting from any defect, error or failure due to this diagram.

# Z4R - Solid Carbide Upcut Spiral Bits

## 197

HWM Z4 RH UP

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | |
|---|---|---|---|---|---|---|
| 12 | 42 | 90 | 12 | 10 | **197.121.11** | |
| 14 | 50 | 110 | 14 | 1 | **197.140.11** | |
| 16 | 55 | 110 | 16 | 1 | **197.160.11** | |
| 16 | 35 | 90 | 16 | 1 | **197.161.11** | |
| 18 | 55 | 110 | 18 | 1 | **197.180.11** | |
| 20 | 60 | 120 | 20 | 1 | **197.200.11** | |
| 20 | 72 | 120 | 20 | 1 | **197.201.11** | |

**TECHNICAL DETAILS:**
- Premium quality HWM.
- 4 spiral cutting edges (2 with chipbreaker) [Z2+2R].
- Max 0.1mm tooth depth.
- **Provide excellent finish on the lower side of the workpiece.**
- Upward chip ejection.

**APPLICATION:**
used for efficient contour cutting, end-trimming and panel sizing on solid wood and wood composites.
Can be used on machining centres, point-to-point boring machines, CNC routers and hand-held routers equipped with chucks or adaptors.

***The special 4 flute design (Z2 finishing + Z2R with chipbreaker) allows high speed with excellent finish on the workpiece.***

# Solid Carbide Upcut & Downcut Spiral Bit - LONG LIFE

EXTRA HARD DLCS CHROME COATING

3X LONGER LIFE THAN UNCOATED

XTREME PERFORMANCE

P-System®

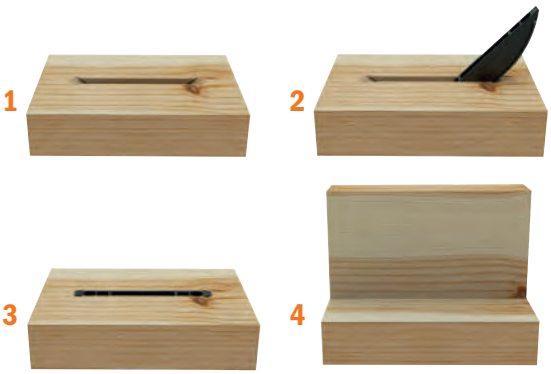
## 190.04 DLCS CHROME COATING

HWM Z2+2 RH

| D mm | d mm | I mm | L mm | S mm | Z | | ORDER NO. Right-hand rotation |
|---|---|---|---|---|---|---|---|
| 9.8 | 7 | 25 | 83 | 12 | 2+2 | 10 | **190.001.04** |

LAMELLO® P-SYSTEM® components can be crafted on a CNC machining center.
Groovework is carried out along the edge workpiece with a spiral cutter coated with DLCS for long life.

FOR USE ONLY ON 5 AXIS CNC MACHINES.






® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

# Solid Carbide Upcut 2D/3D Carving Tapered Ball Nose Spiral Bits

## 152

HWM Z2 Z3 RH UP

| D mm | R mm | A | I mm | L mm | S mm | Z | | ORDER NO. Right-hand rotation |
|---|---|---|---|---|---|---|---|---|
| 0.8 | 0.4 | 5.5° | 25 | 70 | 6 | 3 | 10 | **152.060.082** |
| 0.8 | 0.4 | 6.2° | 25.4 | 76.2 | 6.35 | 3 | 10 | **152.064.082** |
| 1.6 | 0.8 | 4.5° | 25 | 70 | 6 | 3 | 10 | **152.060.162** |
| 1.6 | 0.8 | 5.4° | 25.4 | 76.2 | 6.35 | 3 | 10 | **152.064.162** |
| 1.6 | 0.8 | 5.5° | 30 | 80 | 8 | 3 | 10 | **152.080.163** |
| 2 | 1 | 3° | 80 | 120 | 12 | 2 | 10 | **152.120.208** |
| 3.2 | 1.6 | 2.5° | 30 | 70 | 6 | 3 | 10 | **152.060.323** |
| 3.2 | 1.6 | 3.6° | 25.4 | 76.2 | 6.35 | 3 | 10 | **152.064.322** |
| 3.2 | 1.6 | 2.5° | 50 | 90 | 8 | 3 | 10 | **152.080.325** |
| 6 | 3 | 3° | 50 | 100 | 12 | 2 | 10 | **152.120.605** |
| 6.4 | 3.2 | 3° | 50.8 | 101.6 | 12.7 | 2 | 10 | **152.127.635** |

**TECHNICAL DETAILS:**
- Premium quality HWM.
- Upcut spiral cutting edges [Z2/Z3].
- **Excellent finish on the lower side of the work piece.**
- Upward chip ejection.

**APPLICATION:**
specially designed for 2D and 3D CNC profiling and carving in plastic, aluminum & wood for several uses like:
- A perfect bit for 3D carving
- Precision 2D and 3D large scale carving
- Great for deep profiling
- Dimensional signage
- 3D millwork
- 2D and 3D contouring, profiling, modeling and pattern making for cabinetry, sign making, furniture making and jewelry mold making
- Perfect for model-makers on large 3D milling profiles in abrasive EPS foam and other materials.
- **Ideal on aluminum, plastic and wood-based materials.**

**EXCELLENT FOR CUTTING**
- Acrylonitrile-Butadiene-Styrene (ABS)
- Acrylic
- Acrylic Stone
- Aluminum
- Brass
- Bronze
- Composite
- Copper
- Ethylene-vinyl Acetate Foam (EVA)
- Expanded Polypropylene (EPP)
- Expanded Polystyrene Foam (EPS)
- Extruded Polystyrene Foam (XPS)
- Fiberglass
- Fiberglass PCB Board
- Foam Board
- Graphite
- HDPE
- HDU
- 20lbs High Density Urethane
- MDF/HDF
- Phenolics
- Phenolic Composites
- Plastics
- Poly (methyl methacrylate) (PMMA)
- Polyethylene Foam
- Polyurethane Foam
- PVC
- PVC Foam Board
- Sign Board
- Sign Foam
- Titanium
- Tooling Board
- Wood
- XPE (Cross Linked Polyethylene) Foam

**TIPS FOR MILLING PLASTICS**
- pay attention to heat input
- pay attention to chip-loads when using small diameters
- use air-blast to keep chip away and cooling the tool

**ALSO EXCELLENT FOR**
- CORIAN®
- COROPLAST®
- DIBOND®
- ETHAFOAM®
- LEXAN®
- PALFOAM®
- POLYLAM®

# Round Nose Solid Carbide Upcut Spiral Bits

## 199

HWM Z2 RH UP

| D mm | R mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | |
|---|---|---|---|---|---|---|---|
| 3.18 | 1.6 | 12.7 | 50.8 | 6.35 | 10 | **199.001.11** | |
| 6 | 3 | 27 | 70 | 6 | 10 | **199.060.11** | |
| 6.35 | 3.18 | 25.4 | 63.5 | 6.35 | 10 | **199.008.11** | |
| 8 | 4 | 32 | 80 | 8 | 10 | **199.081.11** | |
| 9.53 | 4.76 | 28.57 | 76.2 | 9.53 | 10 | **199.504.11** | |
| 10 | 5 | 32 | 80 | 10 | 10 | **199.100.11** | |
| 12 | 6 | 35 | 80 | 12 | 10 | **199.120.11** | |
| 12.7 | 6.35 | 31.75 | 76.2 | 12.7 | 10 | **199.505.11** | |
| 15.88 | 7.94 | 57.15 | 109.5 | 15.88 | 1 | **199.509.11** | |
| 16 | 8 | 55 | 110 | 16 | 1 | **199.160.11** | |
| 19.05 | 9.53 | 57.15 | 109.5 | 19.05 | 1 | **199.511.11** | |

**TECHNICAL DETAILS:**
- Premium quality HWM.
- 2 upcut spiral cutting edges [Z2].
- Excellent finish on the lower side of the work piece.
- Upward chip ejection.

**APPLICATION:**
used for efficient contour cutting, end-trimming and panel sizing on solid wood, wood composites, plastic materials and laminates at high feed speed. Ensure to properly clamp workpieces. Can be used on machining centres, point-to-point boring machines, CNC routers and hand-held routers equipped with chucks or adaptors. Cost-effective solution with respect to brazed and spiral in tungsten carbide.

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

# Solid Carbide Upcut Spiral Bits for Locksets

## 193-195

HWM Z3R Z3 RH UP

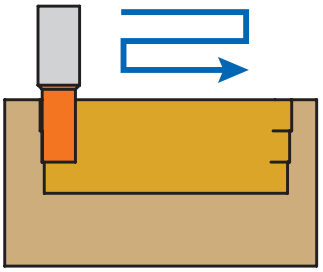
| D mm | I mm | I1 mm | L mm | S mm | | ORDER NO. Right-hand rotation | |
|---|---|---|---|---|---|---|---|
| WITH CHIPBREAKER | | | | | | | |
| 14 | 95* | 45 | 150 | 14 | 1 | **195.142.11** | |
| 14 | 125* | 45 | 170 | 14 | 1 | **195.144.11** | |
| 16 | 95* | 45 | 150 | 16 | 1 | **195.162.11** | |
| 16 | 120* | 50 | 170 | 16 | 1 | **195.164.11** | |
| 18 | 95* | 45 | 150 | 18 | 1 | **195.182.11** | |
| WITHOUT CHIPBREAKER | | | | | | | |
| 16 | 95* | 45 | 150 | 16 | 1 | **193.162.11** | |

* The maximum cutting length is achieved in 2-3 passes.

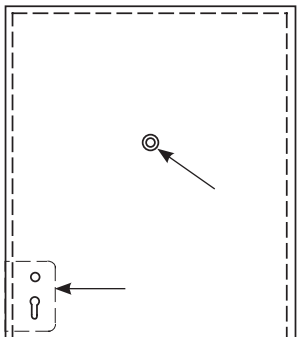
**TECHNICAL DETAILS:**
- Premium quality HWM.
- 3 spiral cutting edges [Z3] and [Z3R].
- Max 0.3mm tooth depth.
- **Provide an excellent finish on the lower side of the workpiece.**
- Seat for seeger ring ***(not included)***.
- Upward chip ejection.

**APPLICATION:**
used for efficient contour cutting, end-trimming and panel sizing on solid wood, wood composites, plastic materials and laminates at high feed speed. Ensure to properly clamp workpieces.
Can be used on machining centres, point-to-point boring machines, CNC routers and hand-held routers equipped with chucks or adaptors.

### GUIDE FOR MACHINING DEEP SLOTS



Reducing the slot cutting width by approx 0.1mm per stroke reduces the risk of breakage as the tool does not touch the side of the slot with the full length of the tool.



# Solid Carbide Upcut Spiral Bits for 60° V-Point Locksets

## 191-195

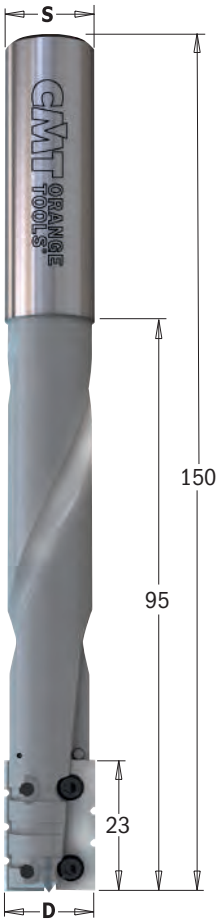
HWM Z3 Z3R RH UP

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | |
|---|---|---|---|---|---|---|
| WITH CHIPBREAKER | | | | | | |
| 14 | 58 | 110 | 14 | 1 | **195.143.11** | |
| 16 | 55 | 110 | 16 | 1 | **195.163.11** | |
| WITHOUT CHIPBREAKER | | | | | | |
| 14 | 50 | 110 | 14 | 1 | **191.143.11** | |
| 16 | 55 | 110 | 16 | 1 | **191.163.11** | |

**TECHNICAL DETAILS:**
- Premium quality HWM.
- 3 spiral cutting edges [Z3].
- **Provide an excellent finish on the lower side of the workpiece.**
- Upward chip ejection.

**APPLICATION:**
used for efficient contour cutting, end-trimming and panel sizing on solid wood, wood composites, plastic materials and laminates at high feed speed. Ensure to properly clamp workpieces.
Can be used on machining centres, point-to-point boring machines, CNC routers and hand-held routers equipped with chucks or adaptors.

# Spiral Bits with Insert Knives & Chipbreaker for Locksets




## 662

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation |
|---|---|---|---|---|---|
| 16 | 23/95* | 150 | 16 | 1 | **662.160.11** |

*Spare Parts*

| | | |
|---|---|---|
| 790.230.2R - 790.230.3R | 990.082.00 | 991.063.00 |

***Spare parts:*** **790.230.2R** 23x7x1.5mm 2-RT HWM K2020 knives (Minimum 10 pieces or multiple)
**790.230.3R** 23x7x1.5mm 3-RT HWM K2020 knives (Minimum 10 pieces or multiple)

* **The 95mm length is achieved in 4-5 passes.**

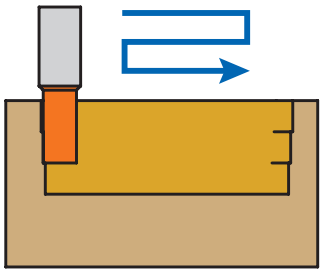
**TECHNICAL DETAILS:**
- DENSIMET® high density tungsten alloy for low-vibration.
- 2 cutting edges [Z2R] with chipbreakers.

**APPLICATION:**
used for efficient contour cutting, end-trimming and panel sizing on solid wood, wood composites, plastic materials and laminates at high feed speed. Ensure to properly clamp workpieces. Can be used on machining centres, point-to-point boring machines, CNC routers and hand-held routers equipped with chucks or adaptors. Cost-effective solution with respect to brazed and spiral in tungsten carbide.

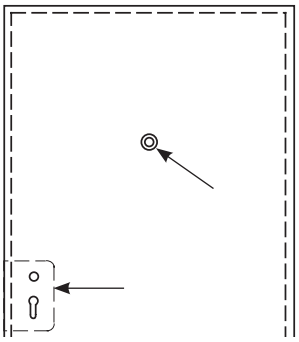
**SAFETY TIPS**

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

**GUIDE FOR MACHINING DEEP SLOTS**



Reducing the slot cutting width by approx 0.1mm per stroke reduces the risk of breakage as the tool does not touch the side of the slot with the full length of the tool.



# Upcut Spiral Bits with Chipbreaker for Glue-Laminated Wooden Beams

## 195

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | |
|---|---|---|---|---|---|---|
| ☐ 30 | 170 | 235 | 30 | 1 | **Y195.300.51** | |
| 40 | 165 | 235 | 30 | 1 | **195.400.51** | |
| 50 | 215 | 295 | 30 | 1 | **195.500.51** | |

☐ **On request**
***Available by special request bits without chipbreaker, with left-hand rotation and/or custom dimensions.***

**TECHNICAL DETAILS:**
- High speed cobalt steel.
- 3 upcut spiral cutting edges with chipbreaker [Z3R].
- Resharpenable cutters.
- Max 6000~10000 RPM.
- Maximum feed speed 2m/minute.
- Upward chip ejection.

**APPLICATION:**
used for cutting, copying, and routing on glue-laminated wooden beams.
For use on HUNDEGGER® machines.

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

# Z2 - Solid Carbide Upcut Spiral Bits for Aluminium and PVC

## 186

MIRROR FINISH — HWM — Z2 — RH — UP

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation |
|---|---|---|---|---|---|
| 4 | 10 | 60 | 6 | 10 | **186.640.11** |
| 5 | 12 | 60 | 6 | 10 | **186.650.11** |
| 6 | 15 | 60 | 6 | 10 | **186.060.11** |
| 8 | 20 | 60 | 8 | 10 | **186.080.11** |
| 10 | 22 | 72 | 10 | 10 | **186.100.11** |
| 12* | 25 | 83 | 12 | 10 | **186.120.11** |
| 14* | 25 | 82 | 14 | 10 | **186.140.11** |
| 16* | 25 | 82 | 16 | 10 | **186.160.11** |

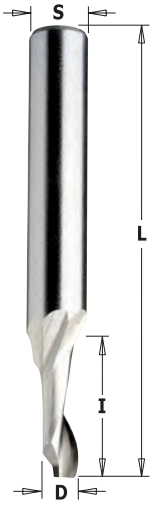
* with seat for seeger retention ring (not included)

*Download working parameters for **186** bits*

**TECHNICAL DETAILS:**
- Premium quality HWM.
- 2 spiral cutting edges [Z2].
- Extra-fine finish.
- Upward chip ejection.

**APPLICATION:** used for **plunging, routing and trimming** on plastic and aluminum at high feed speed.
Can be used on machining centers, point to point machines, CNC routers and **hand held routers** equipped with chucks.

# Z1 - Spiral Bits POSITIVE for Aluminium and PVC

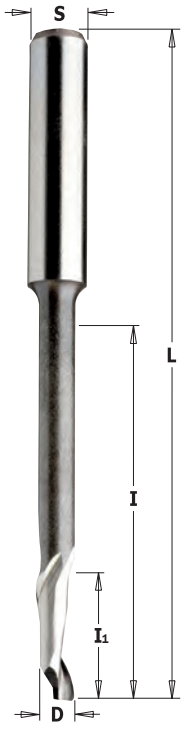



## 188 5% CO HSS SPIRAL BITS

HSS — Z1 — RH

| D mm | I mm | L mm | | ORDER NO. S=Ø8mm | |
|---|---|---|---|---|---|
| 3 | 12 | 60 | 50 | **188.030.51** | |
| 4 | 12 | 60 | 50 | **188.040.51** | |
| 4 | 40 | 100 | 1 | **188.041.51** | |
| 5 | 14 | 60 | 50 | **188.050.51** | |
| 5 | 40 | 100 | 1 | **188.051.51** | |
| 6 | 14 | 60 | 50 | **188.060.51** | |
| 6 | 40 | 100 | 1 | **188.061.51** | |
| 7 | 14 | 60 | 50 | **188.070.51** | |
| 8 | 14 | 80 | 50 | **188.080.51** | |
| 8 | 40 | 100 | 1 | **188.081.51** | |
| 9 | 14 | 80 | 50 | **188.090.51** | |
| 10 | 14 | 80 | 50 | **188.100.51** | |
| 12 | 14 | 80 | 50 | **188.120.51** | |

***Suggested* MAX RPM 12.000**




## 189 5% CO HSS SPIRAL BITS FOR HIGH CUTTING DEPTH

HSS — Z1 — RH

| D mm | I mm | $I_1$ mm | L mm | S mm | | ORDER NO. |
|---|---|---|---|---|---|---|
| 4 | 45 | 16 | 90 | 8 | 1 | **189.040.51** |
| 5 | 35 | 18 | 80 | 8 | 50 | **189.050.51** |
| 5 | 35 | 14 | 120 | 8 | 1 | **189.051.51** |
| 5 | 55 | 16 | 90 | 8 | 1 | **189.052.51** |
| 6 | 45 | 16 | 90 | 8 | 1 | **189.060.51** |
| 8 | 68 | 14 | 100 | 8 | 1 | **189.080.51** |
| 8 | 55 | 14 | 80 | 8 | 50 | **189.081.51** |
| 10 | 95 | 14 | 120 | 10 | 1 | **189.100.51** |
| 10 | 70 | 30 | 100 | 10 | 1 | **189.101.51** |

***Suggested* MAX RPM 12.000**

**TECHNICAL DETAILS:**
- 5% Co premium solid HSS.
- 1 upcut spiral cutting edge.
- Upward chip ejection.

**APPLICATION:** for **plunging, routing and trimming** aluminium profiles, plastics with superb efficiency and high feed speed. Can be used on machining centres, **aluminium copy routers, CNC and hand-held routers equipped with chucks or adaptors.**

## 151 DLCS CHROME COATING

XTREME PERFORMANCE

HWM RH

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | |
|---|---|---|---|---|---|---|
| 6 | 19 | 60 | 6 | 10 | **151.060.19E** | |
| 6.35 | 25.4 | 63.5 | 6.35 | 10 | **151.064.25E** | |
| 8 | 25 | 60 | 8 | 10 | **151.080.25E** | |
| 12 | 25 | 75 | 12 | 10 | **151.120.25E** | |
| 12.7 | 38 | 89 | 12.7 | 10 | **151.127.38E** | |

**TECHNICAL DETAILS:**
- Premium quality HWM.
- Special positively ground cutting edge sharpening for excellent finish.

**APPLICATION:**
used for efficient contour cutting, end-trimming and panel sizing on glass fiber and fiberglass, phenolic and composite material.
For use on machining centres, point-to-point boring machines, CNC routers and hand-held routers equipped with chucks or adaptors.

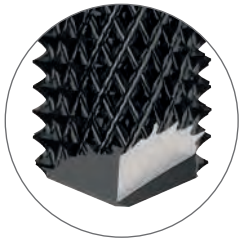
EXTRA HARD DLCS CHROME COATING

**DLCS CHROME COATING:**
- Superb wear resistance
- Better chip clearance
- Superior cutting quality
- Less overheating
- More productivity

3X LONGER LIFE THAN UNCOATED

**DLCS CHROME COATING**
PROVIDES 3 TIMES LONGER LIFE THAN UNCOATED TOOLS!

Solid Carbide Bits for Solid Surface & Fiberglass Bit - LONG LIFE



SHARPENING 135°

## 151 DLCS CHROME COATING

XTREME PERFORMANCE

HWM RH

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | |
|---|---|---|---|---|---|---|
| 6 | 19 | 60 | 6 | 10 | **151.060.19D** | |
| 6.35 | 25.4 | 63.5 | 6.35 | 10 | **151.064.25D** | |
| 8 | 25 | 60 | 8 | 10 | **151.080.25D** | |
| 12 | 25 | 75 | 12 | 10 | **151.120.25D** | |
| 12.7 | 38 | 89 | 12.7 | 10 | **151.127.38D** | |

**TECHNICAL DETAILS:**
- Premium quality HWM.
- Special positively ground cutting edge sharpening for excellent finish.

**APPLICATION:**
used for efficient contour cutting, end-trimming and panel sizing on fiberglass, glass fiber phenolic and composite material. The 135° tooth geometry allows vertical feeding minimizing the bending of the workpiece. To be used on machining centres, point-to-point boring machines, CNC routers and hand-held routers equipped with chucks or adaptors.

EXTRA HARD DLCS CHROME COATING

**DLCS CHROME COATING:**
- Superb wear resistance
- Better chip clearance
- Superior cutting quality
- Less overheating
- More productivity

3X LONGER LIFE THAN UNCOATED

**DLCS CHROME COATING**
PROVIDES 3 TIMES LONGER LIFE THAN UNCOATED TOOLS!

## 141

PCD DP | Z1+1 | Z1 | RH

40X LONGER LIFE THAN CARBIDE

| D mm | I mm | L mm | S mm | Z | | ORDER NO. Right-hand rotation | |
|---|---|---|---|---|---|---|---|
| 6 | 8 | 65 | 12x40 | 1 | 1 | **141.060.61** | |
| 8 | 12 | 65 | 12x40 | 1 | 1 | **141.080.61** | |
| 10* | 22 | 75 | 12x40 | 1+1 | 1 | **141.101.61** | |

**TECHNICAL DETAILS:**
- Strength steel.
- DP cutting edge (H2.5).
- HW plunging tip for diagonal plunge-cutting.
- Resharpenable cutter (max 3 times).
- Max feed speed 4 m/min.

**APPLICATION:**
for boring, contour cutting and panel sizing on veneered and wood-based materials. For use on machining centers, point to point boring machines and CNC pantographs equipped with adaptors and chucks.

*** CONSTRUCTION Z1+1 FOR 141.101.61 ITEM**

# DP - Router Cutters with Negative Shear Angle - LONG LIFE

## 141 (HWM TOOL BODY)

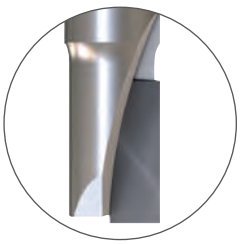
PCD DP | Z1 | RH

40X LONGER LIFE THAN CARBIDE

| D mm | I mm | L mm | S mm | Z | | ORDER NO. Right-hand rotation | |
|---|---|---|---|---|---|---|---|
| 6 | 10 | 60 | 6 | 1 Neg. | 1 | **141.260.61** | |
| 8 | 15 | 65 | 8 | 1 Neg. | 1 | **141.280.61** | |
| 10 | 15 | 65 | 10 | 1 Neg. | 1 | **141.300.61** | |
| 12 | 20 | 70 | 12 | 1 Neg. | 1 | **141.320.61** | |

**TECHNICAL DETAILS:**
- Special micrograin carbide formulation.
- Straight cutting edge.
- DP cutting edge (H3).
- Resharpenable cutter (max 3 times).
- Feed speed on MDF 3-4 m/min for cutter Ø6 and Ø8mm and 4-5m/minute for Ø10and Ø12mm.

**APPLICATION:**
for boring, contour cutting and panel sizing on veneered and wood-based materials. For use on machining centers, point to point boring machines and CNC pantographs equipped with adaptors and chucks.



**NEGATIVE CUTTING EDGE**

## 140

PCD DP | Z1+1 | RH

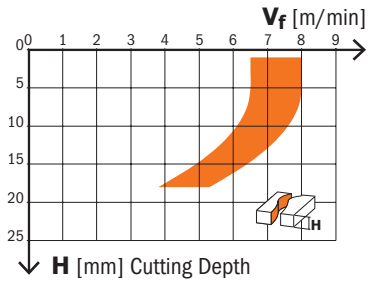
40X LONGER LIFE THAN CARBIDE

| D mm | I mm | L mm | S mm | Z | | ORDER NO. Right-hand rotation |
|---|---|---|---|---|---|---|
| 10 | 25 | 72 | 12x40 | 1+1 (3 DP+1 HW) | 1 | **140.03956** |
| 12 | 27 | 75 | 12x40 | 1+1 (3 DP+1 HW) | 1 | **140.120.61** |
| 12 | 35 | 85 | 12x40 | 1+1 (4 DP+1 HW) | 1 | **140.121.61** |
| 12.7 | 27 | 75 | 12.7x40 | 1+1 (3 DP+1 HW) | 1 | **140.127.61** |
| 12.7 | 35 | 85 | 12.7x40 | 1+1 (4 DP+1 HW) | 1 | **140.128.61** |
| 15.88 | 27 | 85 | 15.88x50 | 1+1 (3 DP+1 HW) | 1 | **140.158.61** |
| 15.88 | 45 | 103 | 15.88x50 | 1+1 (5 DP+1 HW) | 1 | **140.159.61** |
| 16 | 27 | 85 | 16x50 | 1+1 (3 DP+1 HW) | 1 | **140.160.61** |
| 16 | 35 | 93 | 16x50 | 1+1 (4 DP+1 HW) | 1 | **140.161.61** |
| 18 | 27 | 85 | 20x50 | 1+1 (3 DP+1 HW) | 1 | **140.180.61** |
| 18 | 35 | 95 | 20x50 | 1+1 (4 DP+1 HW) | 1 | **140.181.61** |
| 18 | 45 | 105 | 20x50 | 1+1 (5 DP+1 HW) | 1 | **140.182.61** |
| 19 | 27 | 85 | 19.05x50 | 1+1 (3 DP+1 HW) | 1 | **140.190.61** |
| 19 | 45 | 105 | 19.05x50 | 1+1 (5 DP+1 HW) | 1 | **140.192.61** |
| 20 | 27 | 85 | 20x50 | 1+1 (3 DP+1 HW) | 1 | **140.200.61** |
| 20 | 35 | 95 | 20x50 | 1+1 (4 DP+1 HW) | 1 | **140.201.61** |
| 20 | 45 | 105 | 20x50 | 1+1 (5 DP+1 HW) | 1 | **140.202.61** |
| 20 | 55 | 115 | 20x50 | 1+1 (6 DP+1 HW) | 1 | **140.203.61** |

**TECHNICAL DETAILS:**
- Strength steel.
- Shear angle.
- DP cutting edge (H2.5).
- HW plunging tip for diagonal plunge-cutting.
- Resharpeable (max 3 times).
- Max feed speed 5 m/min.

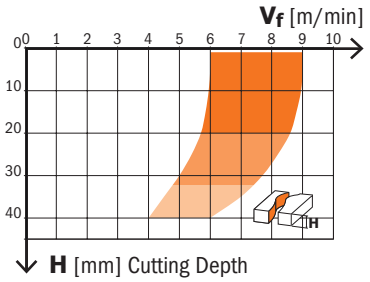
**APPLICATION:** for contour cutting and panel sizing on hard and abrasive materials such as laminates, MDF and melamine. For use on machining centers, point to point boring machines and CNC pantographs equipped with adaptors and chucks.

**Ø10-12.7mm PLASTIC COATED CHIPBOARD**




24000 RPM
Correction factor for Vf: MDF=0.8
Veneer across grain=0.7
Chipboard without coating=1.1

**Ø15.88-20mm PLASTIC COATED CHIPBOARD**




18000 RPM
Correction factor for Vf: MDF=0.8
Veneer across grain=0.7
Chipboard without coating=1.1

## DP - Router Cutters with 45° Shear Angle - LONG LIFE

## 140

PCD DP | Z1+1 | RH

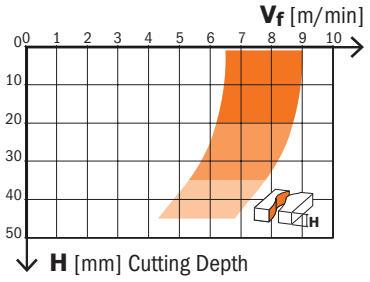
40X LONGER LIFE THAN CARBIDE

| D mm | I mm | L mm | S mm | Z | | ORDER NO. Right-hand rotation |
|---|---|---|---|---|---|---|
| 20 | 25 | 85 | 20x50 | 1+1 (6 DP+1 HW) | 1 | **140.720.61** |
| 20 | 35 | 95 | 20x50 | 1+1 (8 DP+1 HW) | 1 | **140.721.61** |
| 20 | 45 | 105 | 20x50 | 1+1 (9 DP+1 HW) | 1 | **140.722.61** |

**TECHNICAL DETAILS:**
- Strength steel.
- DP cutting edge (H4) featuring 45° shear angle.
- HW plunging tip for plunge cutting.
- Resharpenable cutters (max 8-9 times).
- Max feed speed 5 m/min.

**APPLICATION:**
for contour cutting and panel sizing on hard and abrasive materials such as laminates, MDF and melamine. For use on machining centers, point to point boring machines and CNC pantographs equipped with adaptors and chucks.

**Ø20mm PLASTIC COATED CHIPBOARD**




18000 RPM
Correction factor for Vf: MDF=0.8
Veneer across grain=0.7
Chipboard without coating=1.1

Results shown in this diagram are purely empirical, based merely on informative and hypothetical calculation.
Each application may require different parameters in consideration of materials in use and machining conditions.
CMT is not responsable for direct, indirect, incidental or consequential damages resulting from any defect, error or failure due to this diagram.

# DP - Router Cutters with Shear Angle - LONG LIFE

## 142

40X LONGER LIFE THAN CARBIDE

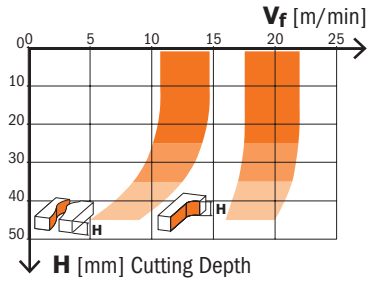
PCD DP | Z2+2 | RH

| D mm | I mm | L mm | S mm | Z | | ORDER NO. Right-hand rotation |
|---|---|---|---|---|---|---|
| 20 | 27 | 85 | 20x50 | 2+2 (6 DP+1 HW) | 1 | **142.200.61** |
| 20 | 36 | 95 | 20x50 | 2+2 (8 DP+1 HW) | 1 | **142.201.61** |
| 20 | 45 | 105 | 20x50 | 2+2 (10 DP+1 HW) | 1 | **142.202.61** |
| 20 | 55 | 115 | 20x50 | 2+2 (12 DP+1 HW) | 1 | **142.203.61** |
| 25 | 27 | 90 | 25x55 | 2+2 (6 DP+1 HW) | 1 | **142.250.61** |
| 25 | 36 | 100 | 25x55 | 2+2 (8 DP+1 HW) | 1 | **142.251.61** |
| 25 | 45 | 110 | 25x55 | 2+2 (10 DP+1 HW) | 1 | **142.252.61** |
| 25 | 55 | 120 | 25x55 | 2+2 (12 DP+1 HW) | 1 | **142.253.61** |

**TECHNICAL DETAILS:**
- Strength steel.
- DP cutting edge (H2.5).
- HW plunging tip for diagonal plunge-cutting (Z-axis tool entrance).
- Resharpenable cutter (max 3 times).
- Feed speed: max 10m/min

**APPLICATION:**
for use on CNC routers for jointing, rabbeting, grooving, on laminates, MDF, HPL, veneer and melamine-faced panels.

**Ø20-25mm PLASTIC COATED CHIPBOARD**




18000 RPM
Jointing Cutting thickness=0.5-2mm
Correction factor for Vf: MDF=0.6
Veneer across grain=0.7

# DP - Router Cutters with 20° Shear Angle - LONG LIFE

## 142

40X LONGER LIFE THAN CARBIDE

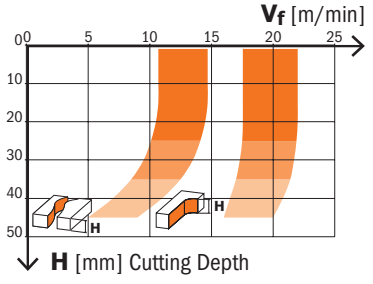
PCD DP | Z2+2 | RH

| D mm | I mm | L mm | S mm | Z | | ORDER NO. Right-hand rotation |
|---|---|---|---|---|---|---|
| 20 | 25 | 85 | 20x45 | 2+2 (8 DP+1 HW) | 1 | **142.720.61** |
| 20 | 30 | 90 | 20x45 | 2+2 (10 DP+1 HW) | 1 | **142.721.61** |
| 20 | 35 | 95 | 20x45 | 2+2 (12 DP+1 HW) | 1 | **142.722.61** |
| 20 | 40 | 100 | 20x45 | 2+2 (14 DP+1 HW) | 1 | **142.723.61** |
| 20 | 45 | 105 | 20x45 | 2+2 (16 DP+1 HW) | 1 | **142.724.61** |
| 20 | 50 | 110 | 20x45 | 2+2 (18 DP+1 HW) | 1 | **142.725.61** |
| 20 | 55 | 115 | 20x45 | 2+2 (20 DP+1 HW) | 1 | **142.726.61** |

**TECHNICAL DETAILS:**
- Strength steel.
- DP cutting edge (H4) featuring 20° shear angle.
- HW plunging tip for diagonal plunge-cutting (Z-axis tool entrance).
- Resharpenable cutters (max 8-10 times).
- Max feed speed 20 m/min.

**APPLICATION:**
for use on CNC routers for jointing, rabbeting, grooving, on laminates, MDF, HPL, veneer and melamine-faced panels.

**Ø20-25mm PLASTIC COATED CHIPBOARD**




18000 RPM
Jointing Cutting thickness=0.5-2mm
Correction factor for Vf: MDF=0.6
Veneer across grain=0.7

Results shown in this diagram are purely empirical, based merely on informative and hypothetical calculation.
Each application may require different parameters in consideration of materials in use and machining conditions.
CMT is not responsable for direct, indirect, incidental or consequential damages resulting from any defect, error or failure due to this diagram.

# DP - Router Cutters with Shear Angle for Nesting - LONG LIFE
(DENSIMET® Tungsten Heavy Metal Alloys)

## 143

40X LONGER LIFE THAN CARBIDE

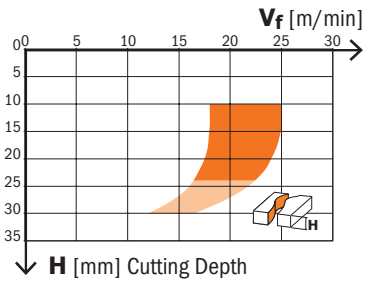
PCD DP | Z3 | RH

| D mm | I mm | L mm | S mm | Z | | ORDER NO. Right-hand rotation |
|---|---|---|---|---|---|---|
| 12 | 25 | 70 | 12x40 | 3 (9 DP) | 1 | **143.120.61** |
| 12 | 31 | 80 | 12x40 | 3 (10 DP) | 1 | **143.121.61** |

**TECHNICAL DETAILS:**
- DENSIMET® tungsten heavy metal alloys for low-vibration.
- DP cutting edge (H3).
- Resharpenable cutter (max 6 times).
- Max feed speed 25 m/min.

**APPLICATION:**
for use on CNC routers for jointing, rabbeting, grooving, on laminates, MDF, HPL, veneer and melamine-faced panels. High performance pre-finishing and finish-routing.

**Ø12mm PLASTIC COATED CHIPBOARD**




24000 RPM
Correction factor for Vf: MDF=0.8
Pre-finishing MDF=1.2
Uncoated Chipboard=1.1
Veneer across grain=0.7

# DP - Spiral Router Cutters with Shear Angle - LONG LIFE

## 143

40X LONGER LIFE THAN CARBIDE

PCD DP | Z3 | RH

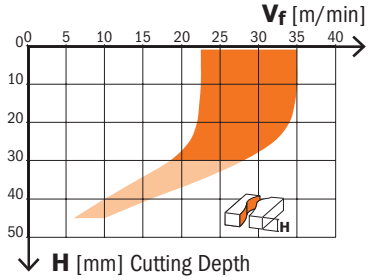
| D mm | I mm | L mm | S mm | Z | | ORDER NO. Right-hand rotation |
|---|---|---|---|---|---|---|
| 18 | 25 | 85 | 20x50 | 3 (10+1 DP) | 1 | **143.180.61** |
| 18 | 30 | 90 | 20x50 | 3 (13+1 DP) | 1 | **143.181.61** |
| 18 | 35 | 95 | 20x50 | 3 (16+1 DP) | 1 | **143.182.61** |
| 20 | 25 | 85 | 20x50 | 3 (10+1 DP) | 1 | **143.200.61** |
| 20 | 30 | 90 | 20x50 | 3 (13+1 DP) | 1 | **143.201.61** |
| 20 | 35 | 95 | 20x50 | 3 (16+1 DP) | 1 | **143.202.61** |
| 20 | 40 | 100 | 20x50 | 3 (18+1 DP) | 1 | **143.203.61** |
| 20 | 45 | 105 | 20x50 | 3 (21+1 DP) | 1 | **143.204.61** |
| 20 | 50 | 110 | 20x50 | 3 (23+1 DP) | 1 | **143.205.61** |
| 20 | 55 | 115 | 20x50 | 3 (26+1 DP) | 1 | **143.206.61** |
| 20 | 60 | 120 | 20x50 | 3 (29+1 DP) | 1 | **143.207.61** |
| 20 | 65 | 125 | 20x50 | 3 (32+1 DP) | 1 | **143.208.61** |
| 22 | 30 | 95 | 25x50 | 3 (13+1 DP) | 1 | **143.220.61** |
| ☐ 22 | 35 | 100 | 25x50 | 3 (16+1 DP) | 1 | **143.221.61** |
| 22 | 40 | 105 | 25x50 | 3 (18+1 DP) | 1 | **143.222.61** |
| ☐ 22 | 45 | 110 | 25x50 | 3 (21+1 DP) | 1 | **143.223.61** |
| 22 | 50 | 115 | 25x50 | 3 (23+1 DP) | 1 | **143.224.61** |
| ☐ 22 | 55 | 120 | 25x50 | 3 (26+1 DP) | 1 | **143.225.61** |
| 22 | 60 | 125 | 25x50 | 3 (29+1 DP) | 1 | **143.226.61** |
| ☐ 22 | 65 | 130 | 25x50 | 3 (32+1 DP) | 1 | **143.227.61** |
| ☐ 22 | 70 | 135 | 25x50 | 3 (35+1 DP) | 1 | **143.228.61** |

☐ **On request**

**TECHNICAL DETAILS:**
- Strength steel.
- DP cutting edge (H4).
- HW plunging tip for diagonal plunge-cutting (Z-axis tool entrance).
- Resharpenable cutter (max 8-10 times).

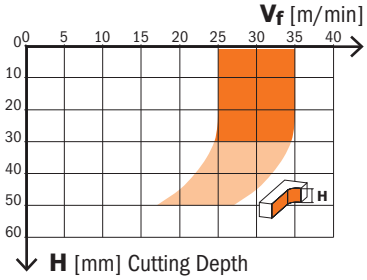
**APPLICATION:**
for use on CNC routers for jointing, rabbeting, grooving, on laminates, MDF, HPL, veneer and melamine-faced panels. High performance pre-finishing and finish-routing.

**Ø18-20mm PLASTIC COATED CHIPBOARD**




24000 RPM
Correction factor for Vf: MDF=0.8
Melamine=0.8

**Ø20-22mm PLASTIC COATED CHIPBOARD**




24000 RPM
Jointing Cutting thickness=0.5-6mm
Correction factor for Vf: MDF=0.9
Melamine=0.8
Veneer across grain=0.8

Results shown in this diagram are purely empirical, based merely on informative and hypothetical calculation.
Each application may require different parameters in consideration of materials in use and machining conditions.
CMT is not responsable for direct, indirect, incidental or consequential damages resulting from any defect, error or failure due to this diagram.

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

# DP - Router Cutters with 40° Shear Angle - LONG LIFE

## 145 FOR ROUGHING

PCD DP | Z3+3 | Z4+4 | RH

| D mm | I mm | L mm | S mm | Z | | ORDER NO. Right-hand rotation |
|---|---|---|---|---|---|---|
| 50 | 23 | 80 | 25x55 | 3+3 (9 DP) | 1 | **145.501.61** |
| 50 | 23 | 80 | 25x55 | 4+4 (12 DP) | 1 | **145.511.61** |
| 50 | 28 | 85 | 25x55 | 3+3 (12 DP) | 1 | **145.502.61** |
| 50 | 28 | 85 | 25x55 | 4+4 (16 DP) | 1 | **145.512.61** |
| 50 | 38 | 95 | 25x55 | 3+3 (18 DP) | 1 | **145.503.61** |
| 50 | 38 | 95 | 25x55 | 4+4 (24 DP) | 1 | **145.513.61** |

**TECHNICAL DETAILS:**
- Strength steel.
- DP cutting edge (H4) featuring 40° shear angle.
- Resharpenable cutters (max 10 times).
- Maximum feed speed 30m/minute.

**APPLICATION:**
used on all CNC routers for jointing, rabbeting, grooving, copying and dividing raw material, melamine, laminated, MDF, HPL and veneered panels. High performance routing.

40X LONGER LIFE THAN CARBIDE

# DP - Profile Cutter for Nesting applications

new

## 146.663

PCD DP | Z3 | Z2+2 | RH

| D mm | I mm | L mm | S mm | Z | ORDER NO. Right-hand rotation |
|---|---|---|---|---|---|
| 40 | 14 | 75 | 20x50 | 2+2 | **146.663.40** |
| 50 | 14 | 75 | 20x50 | 2+2 | **146.663.50** |
| 80 | 8 | 70 | 20x50 | 3 Neg. | **146.663.80** |

**146.663.80**

**TECHNICAL DETAILS:**
- Made of special high-strength steel.
- Axial cutting edges.
- DP: H4 and H6 resharpenable (max 6 times).

**APPLICATION:** for contouring, sectioning, grooving on laminated/melamine panels, MDF, HDF, and wood derivatives. To be mounted on chucks or adapters for machining centers, point-to-point machines, CNC pantographs.

new

CMT ORANGE TOOLS®

## 146.915

PCD DP | Z1 | Z2 | Z2+2 | RH

| D mm | d mm | I mm | L mm | S mm | A | Z | ORDER NO. Right-hand rotation |
|---|---|---|---|---|---|---|---|
| 22 | - | 11 | 75 | 16x50 | 45° | 1 | **146.915.22** |
| 30 | - | 15 | 95 | 20x50 | 45° | 2 | **146.915.30** |
| 33 | 3 | 15 | 71 | 20x50 | 45° | 2 | **146.915.33** |
| 38 | - | 9 | 75 | 20x50 | 25° | 2 | **146.915.38** |
| 50 | - | 25 | 90 | 20x50 | 45° | 2+2+1 | **146.915.50** |

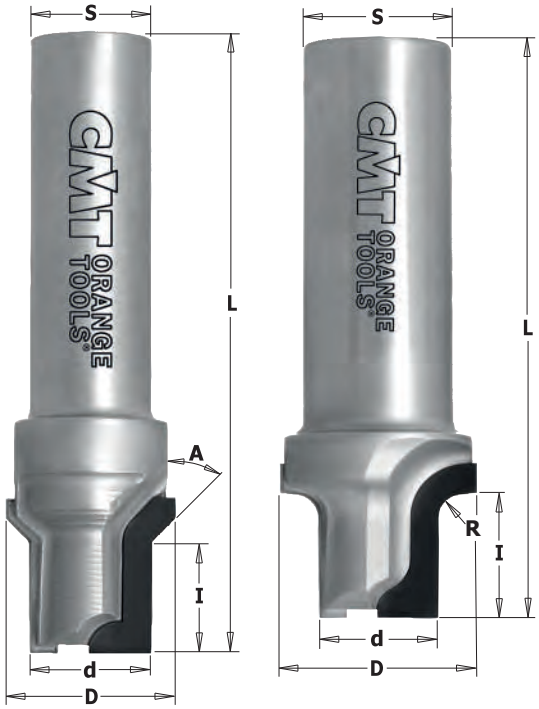
**146.915.33**

**TECHNICAL DETAILS:**
- Made of special high-strength steel.
- Axial cutting edges.
- DP: H4 resharpenable (max 6 times).

**APPLICATION:** for contouring, sectioning, grooving on laminated/melamine panels, MDF, HDF, and wood derivatives. To be mounted on chucks or adapters for machining centers, point-to-point machines, CNC pantographs.

## DP - Ogee bits

new




## 146.965

PCD DP | Z2 | Z2+1 | Z2+2 | RH

| D mm | d mm | I mm | L mm | S mm | A | R mm | Z | ORDER NO. Right-hand rotation |
|---|---|---|---|---|---|---|---|---|
| 20 | 12 | 20 | 80 | 20x50 | | 2 | 2+2 | **146.965.20** |
| 22 | 16 | 17 | 80 | 16x50 | 45° | | 2 | **146.965.22** |
| 26 | 16 | 16 | 75 | 20x50 | | 3 | 2+1 | **146.965.28** |

**TECHNICAL DETAILS:**
- Made of special high-strength steel.
- Axial cutting edges.
- DP: H4 resharpenable (max 6 times).

**APPLICATION:** for contouring, sectioning, grooving on laminated/melamine panels, MDF, HDF, and wood derivatives. To be mounted on chucks or adapters for machining centers, point-to-point machines, CNC pantographs.

## DP - Round Nose Bits

new

### 146.914

PCD DP Z2 RH

| D mm | I mm | L mm | S mm | R mm | Z | ORDER NO. Right-hand rotation |
|---|---|---|---|---|---|---|
| 52 | 10 | 75 | 16x50 | 40 | 2 | **146.914.52** |

**TECHNICAL DETAILS:**
- Made of special high-strength steel.
- Axial cutting edges.
- DP: H4 resharpenable (max 6 times).

**APPLICATION:** for contouring, sectioning, grooving on laminated/melamine panels, MDF, HDF, and wood derivatives. To be mounted on chucks or adapters for machining centers, point-to-point machines, CNC pantographs.

## DP - Finger Pull Bit

new

### 146.955

PCD DP Z2 RH

| D mm | d mm | I mm | L mm | S mm | R mm | R1 mm | Z | ORDER NO. Right-hand rotation |
|---|---|---|---|---|---|---|---|---|
| 40 | 16.8 | 15 | 80 | 20x50 | 4 | 1.5 | 2 | **146.955.40** |

**TECHNICAL DETAILS:**
- Made of special high-strength steel.
- Axial cutting edges.
- DP: H4 resharpenable (max 6 times).

**APPLICATION:** for contouring, sectioning, grooving on laminated/melamine panels, MDF, HDF, and wood derivatives. To be mounted on chucks or adapters for machining centers, point-to-point machines, CNC pantographs.

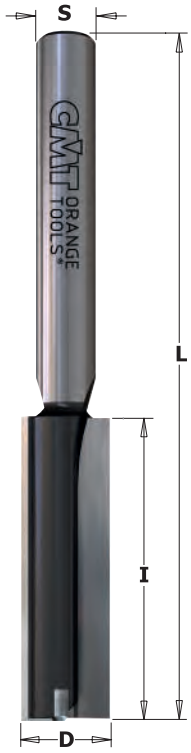
## 174

HWM Z2+1 RH

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | |
|---|---|---|---|---|---|---|
| 3 | 10 | 55 | 8 | 10 | **174.030.11** | |
| 4 | 10 | 55 | 8 | 10 | **174.040.11** | |
| 5 | 12 | 55 | 8 | 10 | **174.050.11** | |
| 6 | 14 | 55 | 8 | 10 | **174.060.11** | |
| 7 | 20 | 55 | 8 | 10 | **174.070.11** | |

**TECHNICAL DETAILS:**
- Premium quality HWM.
- 2 radial relief cutting edges [Z2].
- 1 HW [Z1] plunge cutting edge.

## Router Cutters



## 174

HW Z2+1 RH

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | |
|---|---|---|---|---|---|---|
| 8 | 20 | 55 | 8 | 10 | **174.080.11** | |
| 8 | 30 | 70 | 8 | 10 | **174.081.11** | |
| 8 | 40 | 90 | 8 | 10 | **174.082.11** | |
| 9 | 20 | 55 | 8 | 10 | **174.090.11** | |
| 10 | 20 | 60 | 8 | 10 | **174.100.11** | |
| 10 | 30 | 70 | 8 | 10 | **174.102.11** | |
| 10 | 40 | 90 | 8 | 10 | **174.101.11** | |
| 11 | 20 | 60 | 8 | 10 | **174.110.11** | |
| 12 | 20 | 60 | 8 | 10 | **174.120.11** | |
| 12 | 30 | 70 | 8 | 10 | **174.122.11** | |
| 12 | 40 | 90 | 8 | 10 | **174.121.11** | |
| 13 | 20 | 60 | 8 | 10 | **174.130.11** | |
| 14 | 20 | 60 | 8 | 10 | **174.140.11** | |
| 14 | 30 | 70 | 8 | 10 | **174.142.11** | |
| 14 | 40 | 90 | 8 | 10 | **174.141.11** | |
| 15 | 20 | 60 | 8 | 10 | **174.150.11** | |
| 16 | 20 | 70 | 8 | 10 | **174.160.11** | |
| 16 | 30 | 70 | 8 | 10 | **174.162.11** | |
| 16 | 40 | 90 | 8 | 10 | **174.161.11** | |
| 18 | 20 | 70 | 8 | 10 | **174.180.11** | |
| 18 | 30 | 70 | 8 | 10 | **174.181.11** | |
| 18 | 40 | 80 | 8 | 10 | **174.182.11** | |
| 19 | 20 | 70 | 8 | 10 | **174.190.11** | |
| 20 | 20 | 70 | 8 | 10 | **174.200.11** | |
| 20 | 30 | 70 | 8 | 10 | **174.201.11** | |
| 20 | 40 | 90 | 8 | 10 | **174.202.11** | |
| 22 | 20 | 70 | 8 | 10 | **174.220.11** | |
| 22 | 30 | 70 | 8 | 10 | **174.221.11** | |
| 22 | 40 | 90 | 8 | 10 | **174.222.11** | |
| 23.5 | 20 | 70 | 8 | 10 | **174.235.11** | |
| 24 | 20 | 70 | 8 | 10 | **174.240.11** | |
| 24 | 30 | 70 | 8 | 10 | **174.241.11** | |
| 24 | 40 | 90 | 8 | 10 | **174.242.11** | |
| 25 | 20 | 70 | 8 | 10 | **174.250.11** | |
| 26 | 20 | 70 | 8 | 10 | **174.260.11** | |
| 26 | 30 | 70 | 8 | 10 | **174.261.11** | |
| 28 | 20 | 70 | 8 | 10 | **174.280.11** | |
| 28 | 30 | 70 | 8 | 10 | **174.281.11** | |
| 29 | 20 | 70 | 8 | 10 | **174.290.11** | |
| 30 | 20 | 70 | 8 | 10 | **174.300.11** | |
| 32 | 20 | 70 | 8 | 10 | **174.320.11** | |

**TECHNICAL DETAILS:**
- Strength steel.
- 2 precision ground HW cutting edges and 1 HW plunge centre tip [Z2+1].

**APPLICATION:**
used for drilling, grooving or jointing on solid wood and wood composites. Can be used on machining centres, CNC routers and hand-held routers equipped with chucks or adaptors.

## 8/912 DLCS CHROME COATING

HWM Z3 RH

| D mm | I mm | L mm | | ORDER NO. S=Ø10mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|
| 6 | 21 | 73 | 10 | | 912.561.11 | |
| 6 | 26 | 73 | 10 | | 912.560.11 | |
| 6.35 | 26 | 73 | 10 | | | 812.564.11 |
| 8 | 21 | 73 | 10 | | 912.582.11 | |
| 8 | 28.7 | 76 | 10 | | 912.581.11 | |
| 8 | 28.7 | 76 | 10 | | | 812.581.11 |
| 8 | 32 | 76 | 10 | | 912.583.11 | |
| 10 | 21 | 75 | 10 | 912.610.11 | | |
| 10 | 32 | 75 | 10 | 912.611.11 | | |

**TECHNICAL DETAILS:**
- Premium quality HWM.
- Special positively ground cutting edge sharpening for excellent finish.

EXTRA HARD DLCS CHROME COATING

**DLCS CHROME COATING:**
- Superb wear resistance.
- Better chip clearance.
- Superior cutting quality.
- Less overheating.
- More productivity.

# Router Cutters

**TECHNICAL DETAILS:**
- Strength steel.
- 2 precision ground HW cutting edges
- 1 HW plunge centre tip [Z2+1].

**APPLICATION:**
used for plunging cutting and grooving on solid wood and wood derivatives as well as laminates and plastic materials. For use on CNC machining centres, CNC routers, hand-held routers and point-to-point machines equipped with chucks or adaptors.

## 112 SOLID CARBIDE ROUTER CUTTERS

HWM Z2+1 RH

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | |
|---|---|---|---|---|---|---|
| • 3 | 10 | 48 | 9.5 | 50 | 112.030.11 | |
| • 4 | 10 | 48 | 9.5 | 50 | 112.040.11 | |
| • 5 | 12 | 48 | 9.5 | 50 | 112.050.11 | |
| • 6 | 14 | 41 | 9.5 | 50 | 112.060.11 | |
| • 7 | 16 | 43 | 9.5 | 50 | 112.070.11 | |
| • 8 | 18 | 48 | 9.5 | 50 | 112.080.11 | |
| • 8 | 30 | 60 | 9.5 | 50 | 112.081.11 | |
| • 9 | 20 | 55 | 9.5 | 50 | 112.090.11 | |

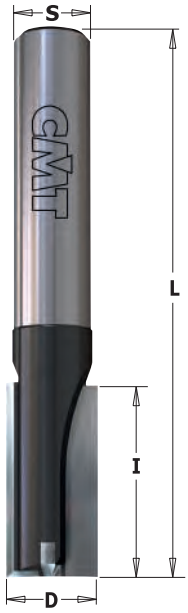
**TECHNICAL DETAILS:**
- Premium quality HWM.
- 2 radial relief cutting edges [Z2]. - 1 HW [Z1] plunge cutting edge.

• HWM

## 112-113 ROUTER CUTTERS

HW Z2+1 RH

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | |
|---|---|---|---|---|---|---|
| 10 | 22 | 52 | 9.5 | 50 | 112.100.11 | |
| 10 | 35 | 65 | 9.5 | 50 | 112.101.11 | |
| 11 | 26 | 52 | 9.5 | 10 | 112.110.11 | |
| 12 | 26 | 52 | 9.5 | 10 | 112.120.11 | |
| | | | | | | |
| 12 | 26 | 52 | 12 | 10 | 113.120.11 | |
| 12 | 40 | 70 | 12 | 10 | 113.121.11 | |
| 13 | 26 | 52 | 12 | 10 | 113.130.11 | |
| 14 | 28 | 56 | 12 | 10 | 113.140.11 | |
| 14 | 40 | 72 | 12 | 10 | 113.141.11 | |
| 15 | 32 | 60 | 12 | 10 | 113.150.11 | |
| 16 | 32 | 60 | 12 | 10 | 113.160.11 | |
| 16 | 40 | 72 | 12 | 10 | 113.161.11 | |
| 18 | 35 | 64 | 12 | 10 | 113.180.11 | |
| 19 | 38 | 68 | 12 | 1 | 113.190.11 | |
| 20 | 38 | 68 | 12 | 1 | 113.200.11 | |
| 22 | 40 | 72 | 12 | 1 | 113.220.11 | |
| 24 | 40 | 72 | 12 | 1 | 113.240.11 | |
| 25 | 40 | 72 | 12 | 1 | 113.250.11 | |
| 26 | 42 | 74 | 12 | 1 | 113.260.11 | |
| 28 | 42 | 74 | 12 | 1 | 113.280.11 | |
| 30 | 42 | 74 | 12 | 1 | 113.300.11 | |




**TECHNICAL DETAILS:**
- Premium quality HWM.
- 2 radial relief cutting edges [Z2].
- 1 HW [Z1] plunge centre tip.

## 175

HW | HWM | Z2+1 | RH

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | |
|---|---|---|---|---|---|---|
| • 4 | 10 | 65 | 10 | 50 | **175.040.11** | |
| • 5 | 12 | 65 | 10 | 50 | **175.050.11** | |
| • 6 | 14 | 65 | 10 | 50 | **175.060.11** | |
| • 7 | 16 | 65 | 10 | 50 | **175.070.11** | |
| 8 | 20 | 65 | 10 | 50 | **175.080.11** | |
| 10 | 25 | 70 | 10 | 50 | **175.100.11** | |
| 12 | 25 | 70 | 10 | 10 | **175.120.11** | |
| 14 | 25 | 70 | 10 | 10 | **175.140.11** | |
| 15 | 25 | 70 | 10 | 10 | **175.150.11** | |
| 16 | 25 | 70 | 10 | 10 | **175.160.11** | |
| 18 | 25 | 70 | 10 | 10 | **175.180.11** | |
| 20 | 25 | 70 | 10 | 10 | **175.200.11** | |
| 22 | 25 | 70 | 10 | 10 | **175.220.11** | |
| 24 | 25 | 70 | 10 | 10 | **175.240.11** | |
| 25 | 25 | 70 | 10 | 10 | **175.250.11** | |
| 26 | 25 | 70 | 10 | 10 | **175.260.11** | |
| 30 | 25 | 70 | 10 | 10 | **175.300.11** | |
| 35 | 25 | 70 | 10 | 10 | **175.350.11** | |

• **HWM**

## 176

HW | Z2+1 | RH

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | |
|---|---|---|---|---|---|---|
| 10 | 40 | 90 | 10 | 10 | **176.100.11** | |
| 12 | 40 | 87 | 10 | 10 | **176.120.11** | |
| 14 | 40 | 87 | 10 | 10 | **176.140.11** | |
| 15 | 40 | 87 | 10 | 10 | **176.150.11** | |
| 16 | 40 | 87 | 10 | 10 | **176.160.11** | |
| 18 | 40 | 87 | 10 | 10 | **176.180.11** | |
| 20 | 40 | 87 | 10 | 10 | **176.200.11** | |

## 177

HW | Z2+1 | RH

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | |
|---|---|---|---|---|---|---|
| 10 | 35 | 90 | 12 | 10 | **177.100.11** | |
| 12 | 35 | 90 | 12 | 10 | **177.120.11** | |
| 12 | 50 | 100 | 12 | 10 | **177.121.11** | |
| 14 | 35 | 90 | 12 | 10 | **177.140.11** | |
| 16 | 35 | 90 | 12 | 10 | **177.160.11** | |
| 16 | 60 | 110 | 12 | 10 | **177.161.11** | |
| 18 | 35 | 90 | 12 | 10 | **177.180.11** | |
| 18 | 60 | 110 | 12 | 10 | **177.181.11** | |
| 20 | 35 | 90 | 12 | 10 | **177.200.11** | |
| 22 | 35 | 90 | 12 | 10 | **177.220.11** | |
| 24 | 35 | 90 | 12 | 10 | **177.240.11** | |
| 25 | 35 | 90 | 12 | 10 | **177.250.11** | |
| 26 | 35 | 90 | 12 | 10 | **177.260.11** | |
| 28 | 35 | 90 | 12 | 10 | **177.280.11** | |
| 30 | 35 | 90 | 12 | 10 | **177.300.11** | |
| 35 | 35 | 90 | 12 | 10 | **177.350.11** | |

**TECHNICAL DETAILS:**
- Strength steel.
- 2 precision ground HW cutting edges.
- 1 HW plunge centre tip [Z2+1].

**APPLICATION:**
used for plunge cutting and grooving on solid wood, wood derivatives as well as laminates and plastic materials. For use on CNC machining centres, CNC routers and hand-held routers.

# XTREME Plunge CNC Cutters with Insert Knives

## 653 XTREME

INSERT CARBIDE · MEC · Z2+2 · RH · 2X CUTTING

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | Spare Parts | |
|---|---|---|---|---|---|---|---|
| 40 | 29.5 | 100 | 20 | 10 | **653.001.11** | 790.295.12 | 790.120.00 |

*Spare parts:* **990.075.00** M4x6mm TORX® screw
**991.061.00** T15 TORX® key
**990.036.00** M8x25mm TE screw
**990.020.00** Hex nut for threaded arbors M8

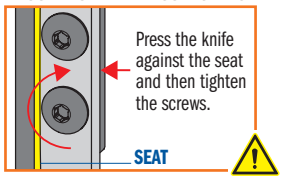
**TECHNICAL DETAILS:**
- Strength steel.
- 4 cutting edges [Z2+2].

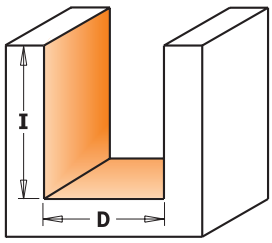
**APPLICATION:**
the new CNC cutter is designed with 2 plunging knives and two-sided knives fixed by special TORX® screws. It is ideal for direct plunge into the material and fast removal over a large surface area leaving an improved finish at the bottom of the cut. For cutting soft/hard wood, chipboard, melamine, MDF.
For use on pantograph CNC machines.

**SAFETY TIPS**

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

**CORRECT KNIFE POSITIONING**




# Straight Cutters with Insert Knives

## 653

INSERT CARBIDE · MEC · Z1+1 · RH · 2X CUTTING

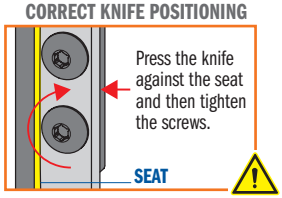
| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | Spare Parts | |
|---|---|---|---|---|---|---|---|
| 16 | 28.3 | 92 | 20 | 10 | **653.661.11** | 790.283.12 | 790.075.00 |
| 16 | 48.3 | 111.5 | 20 | 10 | **653.662.11** | 790.483.12 | 790.075.00 |
| 18 | 48.3 | 111.5 | 20 | 10 | **653.681.11** | 790.483.12 | 790.075.00 |
| 20 | 48.3 | 111.5 | 20 | 10 | **653.701.11** | 790.483.12 | 790.075.00 |

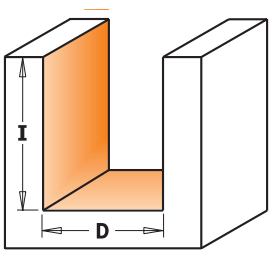
*Spare parts:* **990.072.00** M3.5x3.5mm TORX® screw
**990.074.00** M4x3.5mm TORX® screw
**990.075.00** M4x6mm TORX® screw
**991.061.00** T15 TORX® key

**TECHNICAL DETAILS:**
- Strength steel.
- 2 cutting edges [Z1+1].

**APPLICATION:**
straight router bits with on replaceable plunging knife and side knife fixed by a special TORX® screw. The tool bodies are precisely balanced. For finishing, routing, plunging and grooving on board materials (laminated chipboards and MDF) and hardwood.
For use on portable routers or CNC machining centres.

**CORRECT KNIFE POSITIONING**



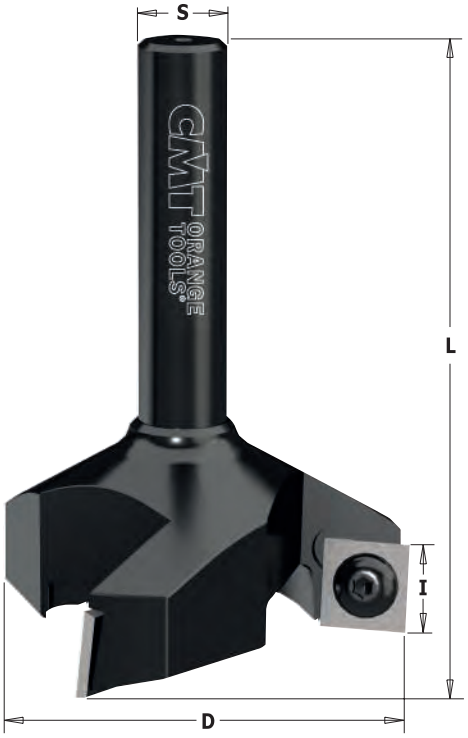

**SAFETY TIPS**

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).



® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

# Spoilboard Surfacing Cutters with Insert Knives




## 663.0

INSERT CARBIDE | MEC | Z3 | Z4 | RH | 4X CUTTING

| D mm | I mm | L mm | Z | S mm | | ORDER NO. Right-hand rotation | Spare Parts | |
|---|---|---|---|---|---|---|---|---|
| 35 | 10.5 | 60 | 3 | 8x38 | 10 | **663.007.11** | 790.105.03* | 990.078.00 |
| 38 | 12 | 60 | 3 | 12x38 | 10 | **663.005.11** | 790.120.03* | 990.075.00 |
| 38 | 12 | 60 | 3 | 12.7x38 | 10 | **663.015.11** | 790.120.03* | 990.075.00 |
| 60 | 12 | 80 | 3 | 12x50 | 10 | **663.004.11** | 790.120.03* | 990.075.00 |
| 60 | 12 | 80 | 3 | 12.7x50 | 10 | **663.014.11** | 790.120.03* | 990.075.00 |
| 80 | 12 | 90 | 3 | 20x60 | 10 | **663.003.11** | 790.120.03* | 990.075.00 |
| 100 | 12 | 90 | 4 | 20x50 | 1 | **663.006.11** | 790.120.03* | 990.075.00 |

*Spare parts:* **991.061.00** T15 TORX® key
**990.036.00** M8x25mm TE screw (for 663.003.11 and 663.006.11)
**990.020.00** Hex nut for threaded arbors M8 (for 663.003.11 and 663.006.11)

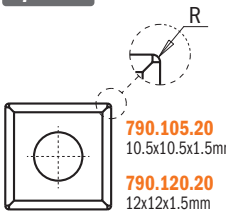
*Minimum 10 pieces or multiple

**TECHNICAL DETAILS:**
- Strength steel.
- 3 cutting edges [Z3].
- 4 cutting edges [Z4].

**APPLICATION:**
the new router bit for CNC routers is ideal for fast removal of material over a large surface area leaving an improved finish at the bottom of the cut. Used on soft and hardwood, particle board and MDF.
The cutter uses 4-sided inserts in super micrograin carbide.

A cost effective solution compared to brazed router bits and solid carbide spiral bits.

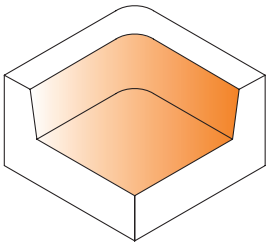
*Optional*

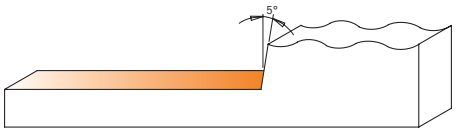



**790.105.20** 10.5x10.5x1.5mm
**790.120.20** 12x12x1.5mm

**SAFETY TIPS**

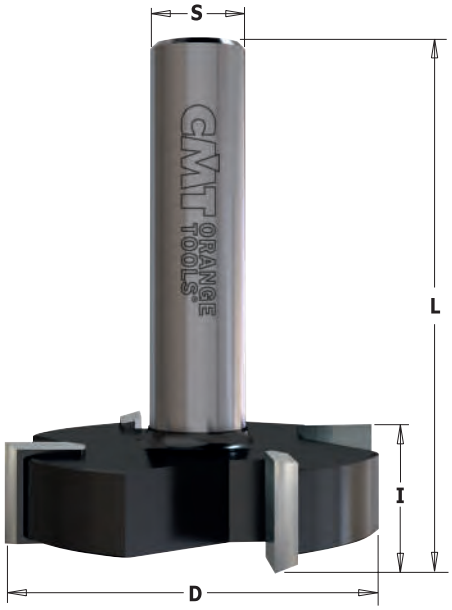
The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).






Drawing is 1:2 scale

# Spoilboard Surfacing Cutters




## 178

HW | Z3 | Z4 | RH

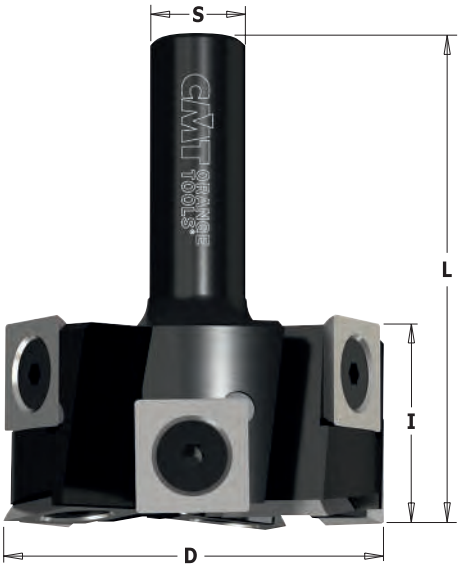
| D mm | I mm | L mm | Z | S mm | | ORDER NO. Right-hand rotation |
|---|---|---|---|---|---|---|
| 25.4 | 6.35 | 41 | 3 | 6.35 | 1 | **178.701.11** |
| 34.9 | 9.5 | 57 | 3 | 8 | 1 | **178.702.11** |
| 50.8 | 12.7 | 63.5 | 4 | 12 | 1 | **178.703.11** |
| 50.8 | 12.7 | 63.5 | 4 | 12.7 | 1 | **178.704.11** |

**TECHNICAL DETAILS:**
- Strength steel.
- 3 cutting edge [Z3].
- 4 cutting edge [Z4].

**APPLICATION:**
The new router bit for CNC routers is ideal for fast removal of material over a large surface area leaving an improved finish at the bottom of the cut. Used on soft and hardwood, particle board and MDF.
The cutter uses 4-sided inserts in super micrograin carbide.
A cost effective solution compared to brazed router bits and solid carbide spiral bits.

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

# XTREME Spoilboard Surfacing Cutter with Insert Knives




## 663.5 XTREME

INSERT CARBIDE | MEC | Z6+3 | RH | 4X CUTTING

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation |
|---|---|---|---|---|---|
| 50.8 | 25.4 | 63.5 | 12 | 10 | **663.502.11** |
| 50.8 | 25.4 | 63.5 | 12.7 | 10 | **663.501.11** |

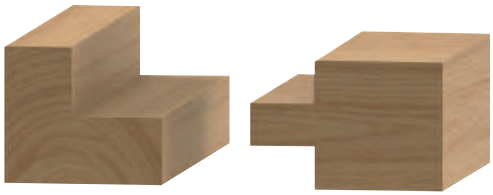
*Spare Parts*

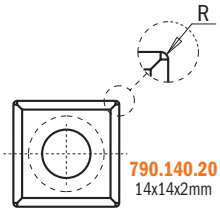
| | |
|---|---|
| 790.140.20* | 990.080.00 |
| 790.140.20* | 990.080.00 |

*Minimum 10 pieces or multiple

**TECHNICAL DETAILS:**
- Strength steel.
- 6+3 cutting edges [Z6+V3].

**APPLICATION:** this new router bit designed for CNC router machines and stationary router machine work centers are ideal for rabbeting joints and for quick chip removal on large surface areas and leaves a good finish at the bottom of the cut. Ideal for soft and hard wood, particle board and MDF. This bit is equipped with 4 sided insert knives in super micrograin carbide – an economical solution for brazed and solid carbide spiral bits.






**NOTE:** for optimum finish, radius inserts **790.140.20** are recommended.

**790.140.20**
14x14x2mm

**SAFETY TIPS**

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

# Universal Profile Cutter for CNC Machines

**KNIVES NOT INCLUDED**

*Suggested* **MAX RPM 12.000**

## 663.301

SP | MEC | Z2 | RH

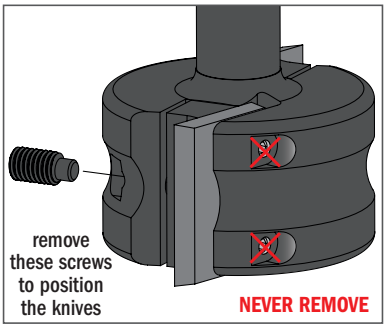
| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 65 | 40-50 | 93 | 20 | 1 | **663.301.11** | **S663.301.12** |

*Spare parts:* **692.999.01** 38x15x16mm wedge for cutter
**990.064.00** M8x16mm STEI screw
**991.064.00** Hex key 4mm

**TECHNICAL DETAILS:**
- Strength steel.
- 2 cutting edges [Z2] for knives 40x4mm and 50x4mm.

**APPLICATION:** for universal profiling of solid wood on CNC router machines. For cutting width 40mm and 50mm (serie **690**).
Profile knives may only be ordered and used in pairs.
For router machines with mechanical feed.

**USEFUL TIPS:** for enhanced safety, when using 50mm knives, it is recommended to carry out the cut in several passes.

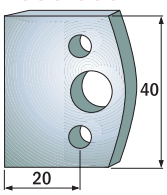



**SAFETY TIPS**

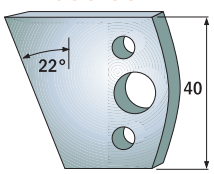
The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

**TO BE USED WITH SP KNIVES SERIES 690 (SEE PAGE 158~170)**

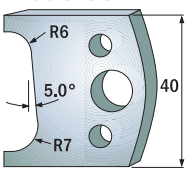
**690.000**




**690.001**

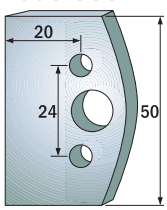



**690.002**

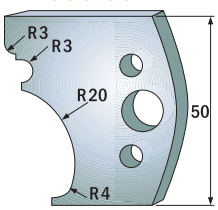



PROFILE KNIVES CUTTING LENGTH=40mm (SERIE **690**)

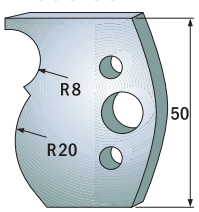
**690.500**




**690.501**




**690.502**




PROFILE KNIVES CUTTING LENGTH=50mm (SERIE **690.5**)

# Adjustable Chamfering CNC Cutter

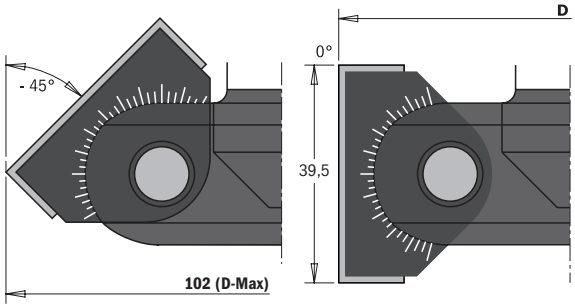
## 663.201

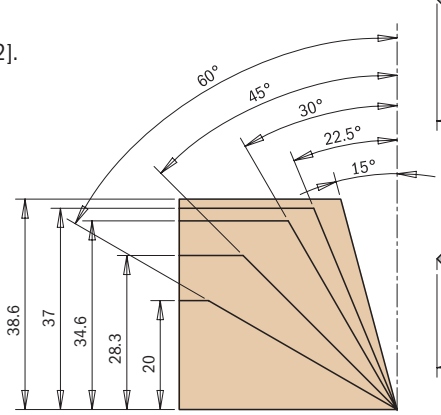
| D mm | D_Max 45° mm | I mm | A | L mm | S mm | | ORDER NO. Right-hand rotation |
|---|---|---|---|---|---|---|---|
| 85 | 102 | 39.5 | 0°-45° - 0°+90° | 92 | 20 | 1 | 663.201.11 |

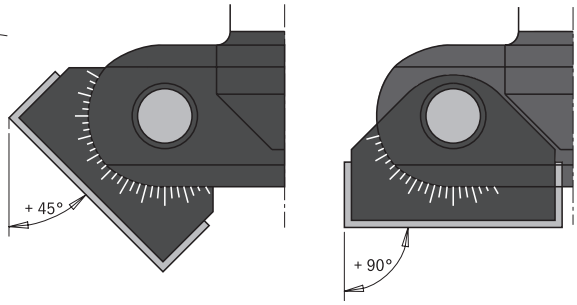
*Spare parts:*
**790.395.12** 39.5x12x1.5mm knife (Minimum 10 pcs. or multiple)
**663.999.01** 38x6x12mm wedge
**990.087.00** M6x8mm STEI screw (4x2mm threaded pin)
**991.067.00** 3mm hex key
**663.999.02** Kit with 2 wedges and 1 screw for blocking rotation
**990.099.00** M8x25mm TCEI screw
**990.023.00** M8 (4mm) nut
**991.081.00** 4mm "T" hex key

**SAFETY TIPS**

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).




**TECHNICAL DETAILS:**
- Tool body in steel.
- 2 reversible HWM knives 39.5x12x1.5mm [Z2].
- Peripheral cutting on both sides.
- Adjustable swivelling blade (Rotates at 7.5° intervals; Precision = 7.5°).
- Swivelling range 0-45° towards top, and 0-90° towards bottom.

**APPLICATION:**
for jointing, rebating and chamfering of solid wood and wooden boards. Suitable for CNC router machines and stationary router machine with manual or mechanical feed.
**Never modify the chamfering angle whilst changing the knives. RH rotation.**

# V-Groove - Folding - Signmaking CNC Cutters with Insert Knives

## 663.1

| D mm | I mm | L mm | A | S mm | Z | | ORDER NO. Right-hand rotation |
|---|---|---|---|---|---|---|---|
| 34 | 40 | 115 | 45° | 20 | 1 | 10 | 663.103.11 |
| 44 | 38 | 115 | 60° | 20 | 1 | 5 | 663.102.11 |
| 52 | 25 | 102 | 91° | 20 | 1 | 1 | 663.101.11 |
| 60 | 21 | 95 | 110° | 20 | 1 | 1 | 663.110.11 |
| 87.5 | 24 | 95 | 120° | 20 | 2 | 1 | 663.120.11 |
| 91 | 20 | 95 | 130° | 20 | 2 | 1 | 663.130.11 |
| 96.5 | 12.4 | 95 | 150° | 20 | 2 | 1 | 663.150.11 |

*Spare Parts*

| | |
|---|---|
| 790.580.01* | |
| 790.580.01* | |
| 790.360.01* | |
| 790.360.01* | |
| 2X CUTTING | 790.496.01* |
| | 790.496.01* |
| | 790.496.01* |

*Minimum 10 pieces or multiple

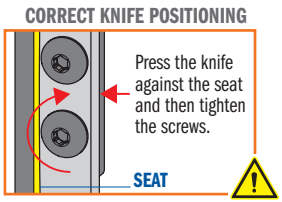
*Spare parts:*
**990.073.00** M3.5x5x7.2mm TORX® T15 screw (for 790.580.01 and 790.360.01)
**990.075.00** M4x6x8.2mm TORX® T15 screw (for 790.496.01)
**991.061.00** T15 TORX® key
**990.036.00** M8x25mm TE screw
**990.020.00** Hex nut for threaded arbors M8

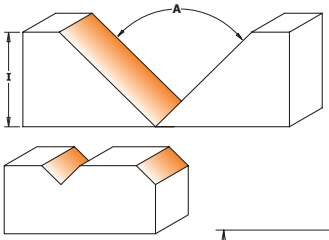
*Optional:* **S790.360.03*** 36x12x1.5mm HW-SMG replaceable knife (4 cutting edges 35°)

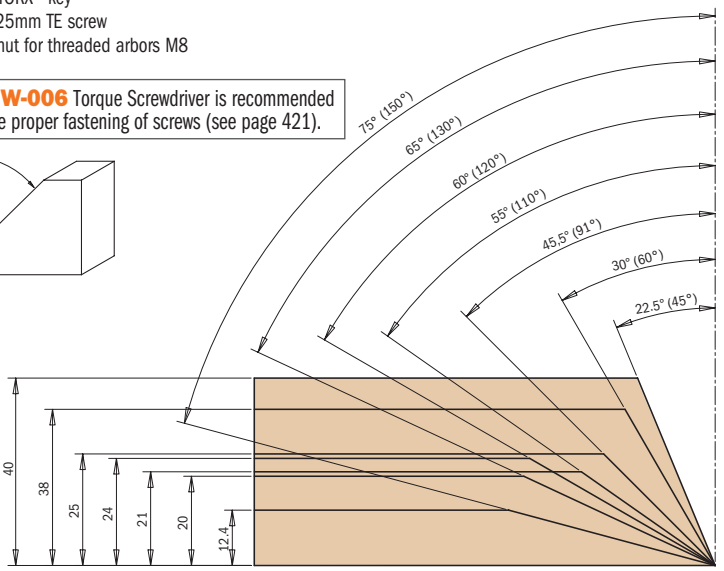
**SAFETY TIPS**

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

**CORRECT KNIFE POSITIONING**




**TECHNICAL DETAILS:**
- Strength steel.
- 1 cutting edge [Z1].
- 2 cutting edges [Z2].

**APPLICATION:**
this innovative CNC router bit offers you an endless range of possibilities for V-Groove, miter folds, signmaking, lettering and chamfer edges.
The tool mounts a high grade HWM reversible knife ideal for general purpose, chipboard and plywood, but knives with increased hardness are available for laminated and MDF material.

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

## 300.023.01 BASIC CNC KIT

| DESCRIPTION | Q.TY | ORDER NO. |
|---|---|---|
| CHUCK -XTREME- HSK-63F (H73) “ER32” PRECISION COLLET RH | 1 | 183.300.01 |
| C-SPANNER FOR “ER32” PRECISION COLLET | 1 | 991.183.00 |
| PRECISION COLLET DIN6499 “ER32” (33x40mm) D=12mm | 1 | 184.120.00 |
| RECISION COLLET DIN6499 “ER32” (33x40mm) D=20mm | 1 | 184.200.00 |
| STRAIGHT ROUTER CUTTER WITH INSERT KNIVES HW Z1+1 S=20 D=18x48.3mm RH | 1 | 653.681.11 |
| HWM REVERSIBLE KNIVES STD (4/35°) 48.3x12x1.5mm RH | 10 | 790.483.12 |
| HWM REVERSIBLE KNIVES STD (2/35°) 7.5x12x1.5mm | 10 | 790.075.00 |
| KEY TORX® T15 | 1 | 991.061.00 |
| SOLID CARBIDE UPCUT SPIRAL BITS Z3 POS. HWM D=12x42x90mm RH | 1 | 193.121.11 |
| 2 FLUTE DOWEL DRILL HW S=10x30mm D=5x35x70mm RH | 2 | 311.050.11 |
| 2 FLUTE DOWEL DRILL HW S=10x30mm D=5x35x70mm LH | 2 | 311.050.12 |
| 2 FLUTE DOWEL DRILL HW S=10x30mm D=8x35x70mm RH | 4 | 311.080.11 |
| 2 FLUTE DOWEL DRILL HW S=10x30mm D=8x35x70mm LH | 4 | 311.080.12 |
| HINGE BORING BITS HW Z2+2 S=10x26mm D=15x70mm RH | 1 | 369.150.11 |
| HINGE BORING BITS HW Z2+2 S=10x26mm D=35x70mm RH | 1 | 369.350.11 |

**WHILE SUPPLIES LAST**

*Includes:*

KINETIC DUST EXTRACTOR

## 300.025.01 EXPERT FOR “NESTING” CNC KIT

| DESCRIPTION | Q.TY | ORDER NO. |
|---|---|---|
| CHUCK -XTREME- HSK-63F (H73) “ER32” PRECISION COLLET RH | 2 | 183.300.01 |
| C-SPANNER FOR “ER32” PRECISION COLLET | 1 | 991.183.00 |
| PRECISION COLLET DIN6499 “ER32” (33x40mm) D=12mm | 1 | 184.120.00 |
| RECISION COLLET DIN6499 “ER32” (33x40mm) D=20mm | 1 | 184.200.00 |
| KINETIC DUST EXTRACTOR FOR CHUCK WITH “ER32” D=100mm RH | 1 | 992.101.ER32 |
| C-SPANNER 95-100mm FOR KINETIC “ER32”/”ER40” | 1 | 991.284.00 |
| SPOILBOARD SURFACING ROUTER CUTTER W/INSERT KNIVES HW Z3 S=20x50mm D=80x12x90mm | 1 | 663.003.11 |
| HWM REVERSIBLE KNIVES STD (4/35°) 12x12x1.5mm | 10 | 790.120.03 |
| KEY TORX® T15 | 1 | 991.061.00 |
| ROUTER CUTTERS WITH SHEAR ANGLE FOR NESTING Z3 9DP S=12mm D=12x25x70mm RH | 1 | 143.120.61 |
| 2 FLUTE DOWEL DRILL HW S=10x30mm D=5x35x70mm RH | 2 | 311.050.11 |
| 2 FLUTE DOWEL DRILL HW S=10x30mm D=5x35x70mm LH | 2 | 311.050.12 |
| 2 FLUTE DOWEL DRILL HW S=10x30mm D=8x35x70mm RH | 4 | 311.080.11 |
| 2 FLUTE DOWEL DRILL HW S=10x30mm D=8x35x70mm LH | 4 | 311.080.12 |
| HINGE BORING BITS HW Z2+2 S=10x26mm D=15x70mm RH | 1 | 369.150.11 |
| HINGE BORING BITS HW Z2+2 S=10x26mm D=35x70mm RH | 1 | 369.350.11 |

**WHILE SUPPLIES LAST**



® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

# 616.000.01

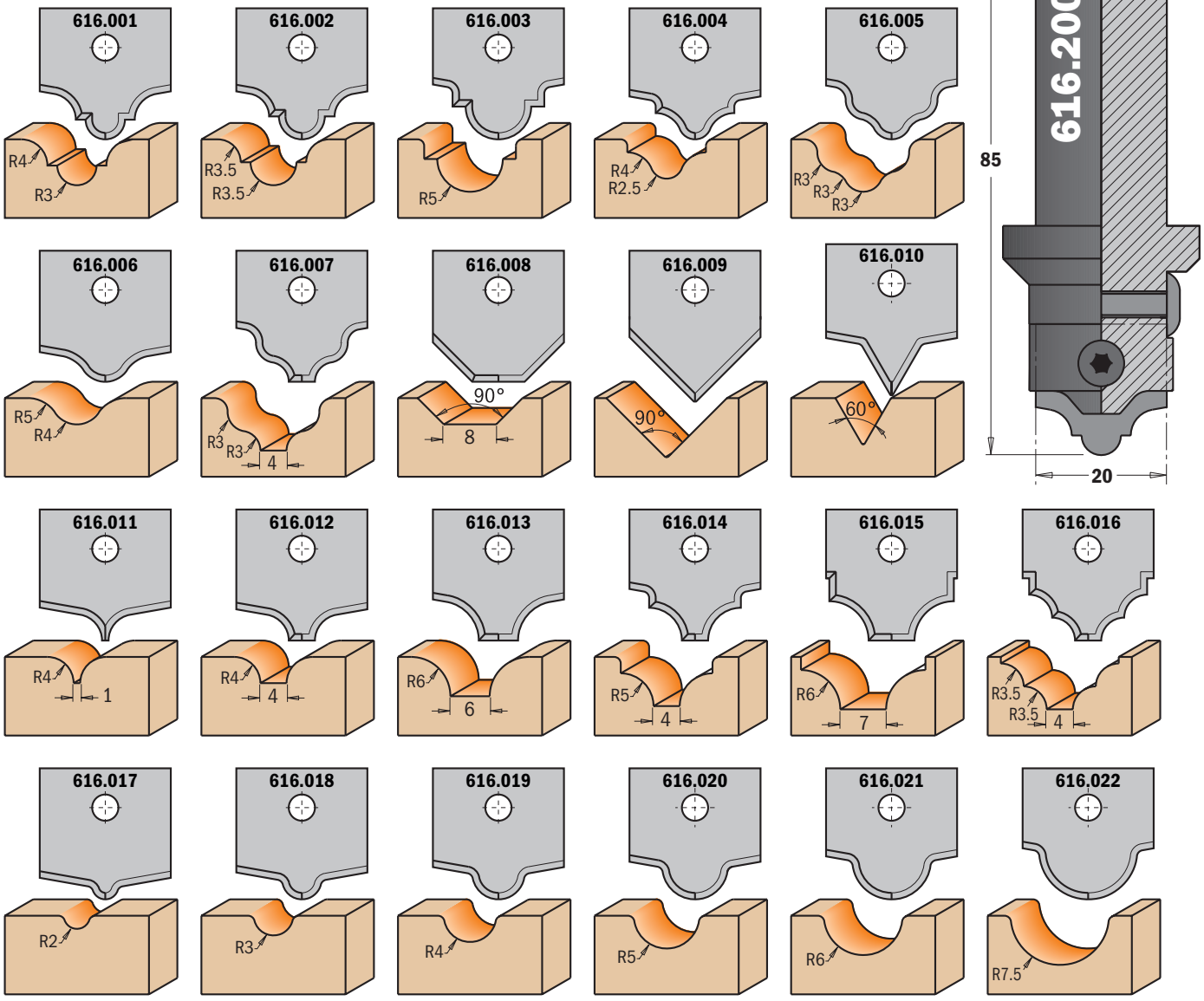
INSERT CARBIDE · MEC · Z2 · RH

This unique system includes a tool body with 22 profile knives designed for multiple applications on your CNC routers. Ideal for MDF, laminates, veneers, plastic, wood and solid surface materials.

**TECHNICAL DETAILS:**
Knives 20x20x2mm.
We recommend re-sharpening the knives on profile cutting edge.

**SAFETY TIPS**

The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).




Drawing is 1:1 scale

| DESCRIPTION | S mm | | ORDER NO. Right-hand rotation |
|---|---|---|---|
| Complete Set for Decorating on MDF | 20 | 10 | **616.000.01** |
| Router cutter body with shank Ø20mm (insert knives not included) | 20 | 10 | **616.200** |
| Router cutter body with shank Ø12mm (insert knives not included) | 12 | 10 | **616.120** |

*Spare Parts*

| | | |
|---|---|---|
| 616.200 | 990.077.00 | 991.061.00 |
| | 990.077.00 | 991.061.00 |
| | 990.077.00 | 991.061.00 |

**REMARK:** tool body and insert knives can be sold individually.

# 615.004.01

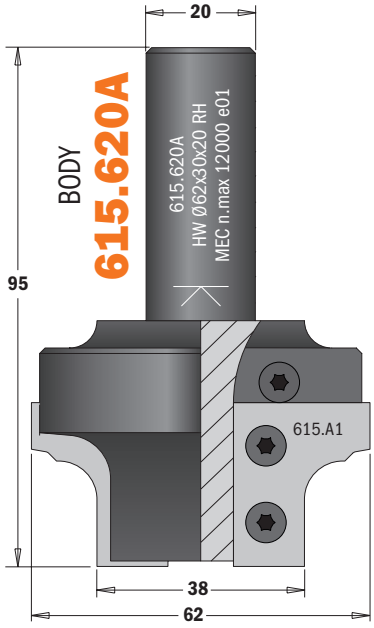
INSERT CARBIDE · MEC · Z2 · RH

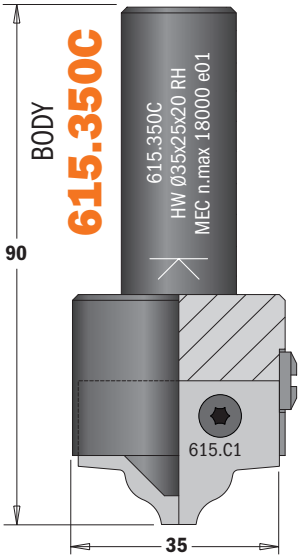
Open some new doors with CMT. Our 4-piece set includes the most popolar profile to make MDF panel doors for kitchens and bathrooms. Each bit is made from bar stock steel and is equipped with 5 differents profile knives allowing enormous possibilities for easy and economical construction. The highest materials, the lowest tolerance in balancing and the precision in the sharpening of the knives let you obtain a smooth finish on your CNC machine.

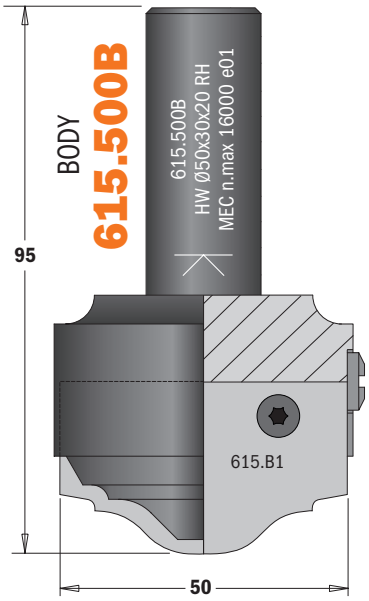
**SAFETY TIPS**

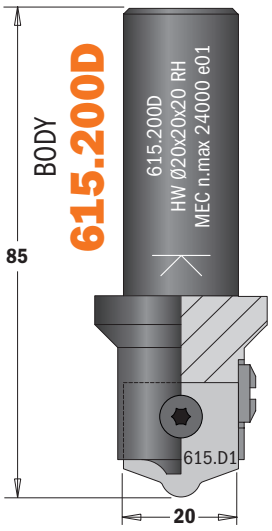
The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 421).

| DESCRIPTION | S mm | | ORDER NO. Right-hand rotation | Spare Parts | |
|---|---|---|---|---|---|
| Complete Set for MDF Doors (Profile no. 1) | 20 | 1 | **615.004.01** | 990.077.00 | 991.061.00 |

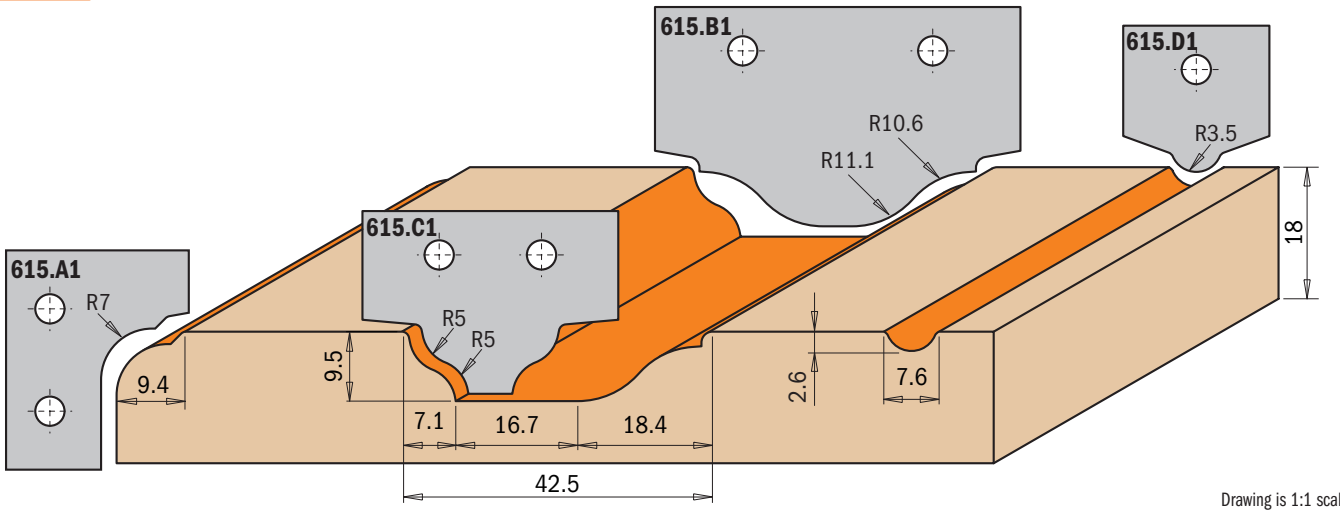


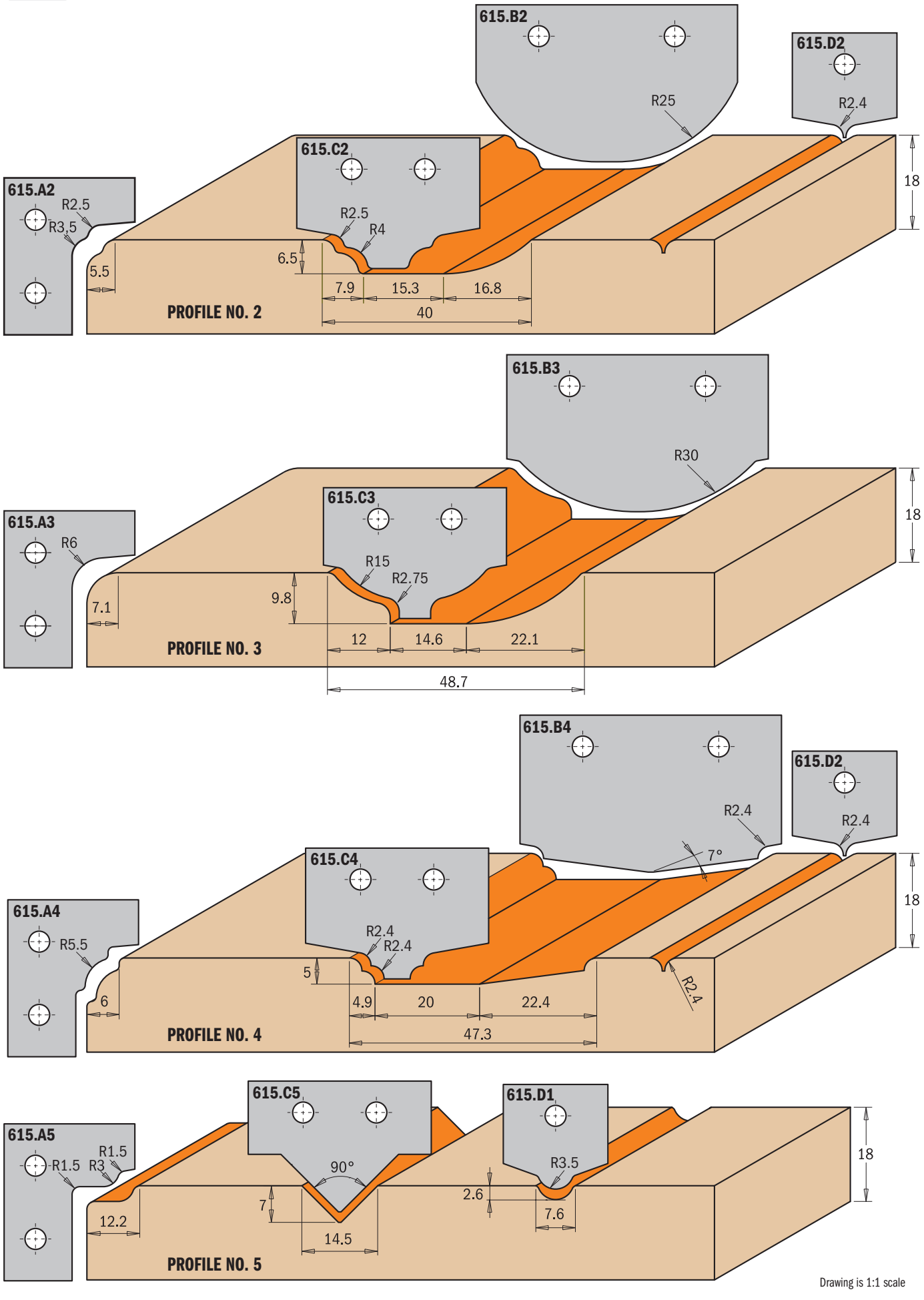




**Standard** **PROFILE NO. 1**




Drawing is 1:1 scale

Optional


615.B2
R25
615.D2
R2.4
615.C2
R2.5
R4
615.A2
R2.5
R3.5
6.5
5.5
7.9
15.3
16.8
40
18
PROFILE NO. 2
615.B3
R30
615.C3
R15
R2.75
615.A3
R6
9.8
7.1
12
14.6
22.1
48.7
18
PROFILE NO. 3
615.B4
R2.4
7°
615.D2
R2.4
615.C4
R2.4
R2.4
615.A4
R5.5
5
6
4.9
20
22.4
47.3
R2.4
18
PROFILE NO. 4
615.C5
615.D1
615.A5
R1.5
R1.5
R3
90°
R3.5
7
2.6
12.2
14.5
7.6
18
PROFILE NO. 5
Drawing is 1:1 scale

## 102

HL Z2R RH LH

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 6 | 50 | 105 | 16 | 10 | 102.060.31 | 102.060.32 |
| 7 | 55 | 110 | 16 | 10 | 102.070.31 | |
| 8 | 60 | 115 | 16 | 10 | 102.080.31 | 102.080.32 |
| 9 | 65 | 120 | 16 | 10 | 102.090.31 | |
| 10 | 70 | 125 | 16 | 10 | 102.100.31 | 102.100.32 |
| 11 | 75 | 130 | 16 | 10 | 102.110.31 | |
| 12 | 80 | 135 | 16 | 10 | 102.120.31 | 102.120.32 |
| 13 | 85 | 140 | 16 | 10 | 102.130.31 | |
| 14 | 90 | 145 | 16 | 10 | 102.140.31 | 102.140.32 |
| 15 | 95 | 150 | 16 | 10 | 102.150.31 | |
| 16 | 100 | 155 | 16 | 10 | 102.160.31 | 102.160.32 |
| 17 | 105 | 160 | 16 | 10 | 102.170.31 | |
| 18 | 110 | 165 | 16 | 10 | 102.180.31 | 102.180.32 |
| 19 | 115 | 170 | 16 | 10 | 102.190.31 | |
| 20 | 120 | 175 | 16 | 10 | 102.200.31 | 102.200.32 |
| 22 | 125 | 180 | 16 | 10 | 102.220.31 | 102.220.32 |
| 24 | 125 | 180 | 16 | 10 | 102.240.31 | 102.240.32 |

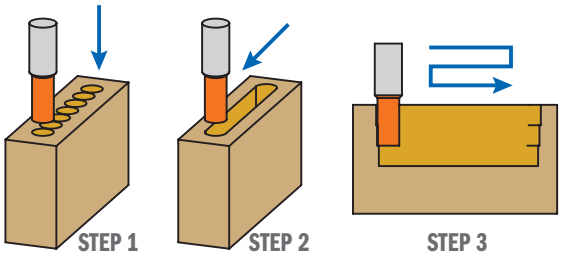
## 172

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 6 | 50 | 105 | 13 | 10 | 172.060.31 | 172.060.32 |
| 7 | 55 | 110 | 13 | 10 | 172.070.31 | |
| 8 | 60 | 115 | 13 | 10 | 172.080.31 | 172.080.32 |
| 9 | 65 | 120 | 13 | 10 | 172.090.31 | |
| 10 | 70 | 125 | 13 | 10 | 172.100.31 | 172.100.32 |
| 12 | 80 | 135 | 13 | 10 | 172.120.31 | 172.120.32 |
| 13 | 85 | 140 | 13 | 10 | 172.130.31 | |
| 14 | 90 | 145 | 13 | 10 | 172.140.31 | 172.140.32 |
| 15 | 95 | 150 | 13 | 10 | 172.150.31 | |
| 16 | 100 | 155 | 13 | 10 | 172.160.31 | 172.160.32 |
| 18 | 110 | 165 | 13 | 10 | 172.180.31 | 172.180.32 |
| 20 | 120 | 175 | 13 | 10 | 172.200.31 | 172.200.32 |

**TECHNICAL DETAILS:**
- Long-lasting cutting performance.
- 2 HL precision ground straight cutting edges with chipbreaker teeth [Z2R].

**APPLICATION:**
for cutting deep mortise slots in natural soft and medium density wood. For use on combination machining centres equipped with adaptors and/or chucks.

**GUIDE TO MACHINING DEEP SLOTS**



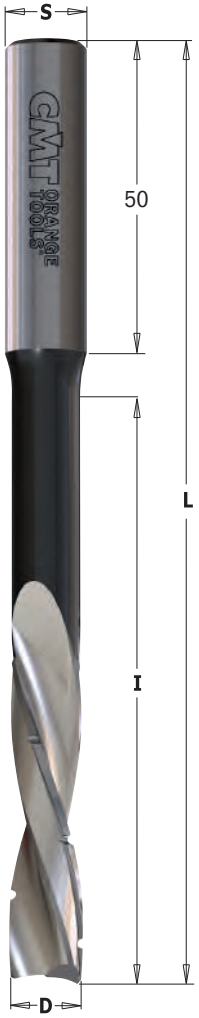
## 6 Piece Mortising Bit Sets

### 102 - 172

HL Z2R RH LH

Our classic set of 6 spiral mortising bits with both Ø16mm and Ø13mm shanks made of super strength high speed steel and available in left-hand or right-hand rotation. Safely packaged in a plastic box for protection, these sets are economical and a perfect addition to any workshop.

| S mm | D mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|
| 16 | 6-8-10-12-14-16 | 1 | 102.001.00 | 102.001.10 |
| 13 | 6-8-10-12-14-16 | 1 | 172.001.00 | 172.001.10 |




## 161

HSS Z2R RH LH

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 6 | 60 | 120 | 16 | 10 | **161.060.31** | **161.060.32** |
| 8 | 70 | 130 | 16 | 10 | **161.080.31** | **161.080.32** |
| 10 | 80 | 140 | 16 | 10 | **161.100.31** | **161.100.32** |
| 12 | 90 | 150 | 16 | 10 | **161.120.31** | **161.120.32** |
| 14 | 100 | 160 | 16 | 10 | **161.140.31** | **161.140.32** |
| 16 | 110 | 170 | 16 | 10 | **161.160.31** | **161.160.32** |

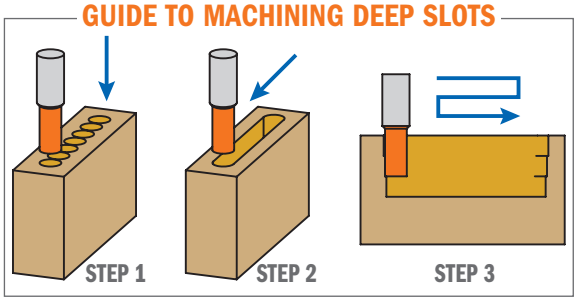
## 160

HSS Z2R RH LH

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 6 | 60 | 120 | 13 | 10 | **160.060.31** | **160.060.32** |
| 8 | 70 | 130 | 13 | 10 | **160.080.31** | **160.080.32** |
| 10 | 80 | 140 | 13 | 10 | **160.100.31** | **160.100.32** |
| 12 | 90 | 150 | 13 | 10 | **160.120.31** | **160.120.32** |
| 14 | 100 | 160 | 13 | 10 | **160.140.31** | **160.140.32** |
| 16 | 110 | 170 | 13 | 10 | **160.160.31** | **160.160.32** |

**TECHNICAL DETAILS:**
- Long-lasting cutting performance.
- 2 HSS precision ground spiral cutting edges with chipbreaker teeth [Z2R].

**APPLICATION:**
for cutting mortise slots in soft and hardwood.
Used on combined machining centres equipped with chucks.



## 6 Piece Mortising Bit Sets

## 160 - 161

HSS Z2R RH LH

Ideal for heavy mortise jobs. Made of super strength high speed steel and available in left-hand or right-hand rotation. Safely packaged in a plastic box for protection, these sets are economical and a perfect addition to any workshop.

| S mm | D mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|
| 16 | 6-8-10-12-14-16 | 1 | **161.001.00** | **161.001.10** |
| 13 | 6-8-10-12-14-16 | 1 | **160.001.00** | **160.001.10** |

# Carbide Spiral Slot Mortising Bits with Chipbreaker

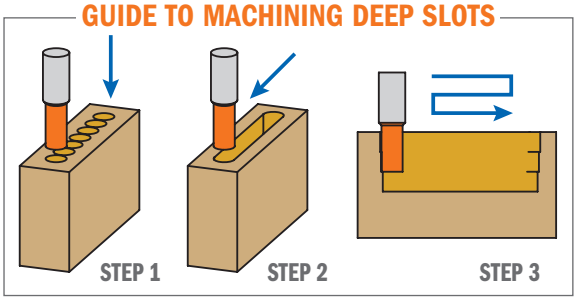
## 161

HW Z2R RH LH

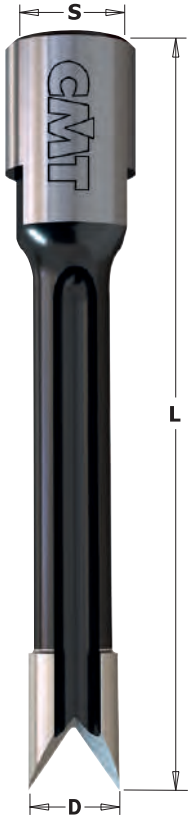
| D mm | $l_1$ mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|---|
| 12 | 25 | 75 | 150 | 16x50 | 10 | **161.120.11** | **161.120.12** |
| 16 | 25 | 95 | 170 | 16x50 | 10 | **161.160.11** | **161.160.12** |

**TECHNICAL DETAILS:**
- Strength steel.
- Long-lasting cutting performance.
- 2 precision ground HW cutting edges with chipbreaker teeth.
- 1 HW plunge centre tip [Z2R+1]

**APPLICATION:**
for cutting deep mortise slots in natural soft or medium density wood.
For use on machining centres equipped with chucks. RPM 3000~5000.



# Slot & Mortise Boring Bits




## 163

HW Z2 RH

| D mm | L mm | S mm | | | ORDER NO. Right-hand rotation | |
|---|---|---|---|---|---|---|
| 12 | 100 | M12x1 | | 1 | **163.120.11** | |
| 14 | 100 | M12x1 | | 1 | **163.140.11** | |
| 16 | 100 | M12x1 | | 1 | **163.160.11** | |

**TECHNICAL DETAILS:**
- Strength steel.
- 2 HW precision ground cutting edges [Z2].

**APPLICATION:**
for cutting slots and mortises in solid wood, wood derivatives and laminates.
For use on mortising machines equipped with chucks.

## 164

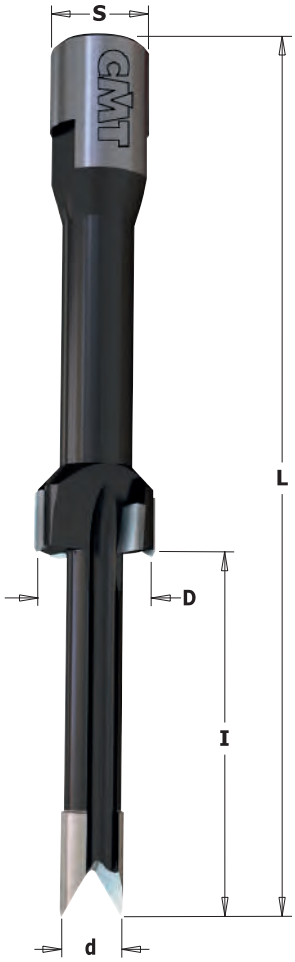
HW Z2 V2 RH

| D mm | L mm | S mm | | | ORDER NO. Right-hand rotation | |
|---|---|---|---|---|---|---|
| 18 | 100 | M12x1 | | 1 | **164.180.11** | |
| 20 | 100 | M12x1 | | 1 | **164.200.11** | |
| 22 | 100 | M12x1 | | 1 | **164.220.11** | |

**TECHNICAL DETAILS:**
- Strength steel.
- HW cutting head with precision centre point.
- 2 HW precision ground cutting edges [Z2].
- 2 negatively HW ground spurs [V2].

**APPLICATION:**
for drilling blind holes in solid wood, wood composites, plastic and laminated materials.
For use on slot and mortise machines equipped with chucks.

## Slot & Mortise Boring Bits




## 166 - 167

HW Z2 V2 RH

| d mm | D mm | l mm | L mm | S mm | | ORDER NO. Right-hand rotation | |
|---|---|---|---|---|---|---|---|
| 11 | 22 | 62 | 155 | M12x1 | 1 | **166.220.11** | |
| | | | | | | | |
| 12 | 19 | 62 | 155 | M12x1 | 1 | **167.190.11** | |

**TECHNICAL DETAILS:**
- Strength steel.
- 2 HW precision ground cutting edges [Z2].
- 2 negatively HW ground spurs [V2].

**APPLICATION:**
for creating mortise slots in solid wood, wood derivatives and laminates.
For use on slot and mortise machines equipped with chucks.

## 103

HL Z2 LH RH

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand & Left-hand rotation |
|---|---|---|---|---|---|
| 6 | 45 | 100 | 16x50 | 1 | **103.060.30** |
| 8 | 45 | 100 | 16x50 | 1 | **103.080.30** |
| 10 | 55 | 110 | 16x50 | 1 | **103.100.30** |
| 12 | 55 | 110 | 16x50 | 1 | **103.120.30** |
| 14 | 55 | 110 | 16x50 | 1 | **103.140.30** |
| 16 | 55 | 110 | 16x50 | 1 | **103.160.30** |

**TECHNICAL DETAILS:**
- Long-lasting cutter performance.
- 2 HL precision ground cutting edges [Z2].

**APPLICATION:**
for cutting deep mortise slots in soft and hardwood. For use on combination machining centres equipped with adaptors and/or chucks.

## 179

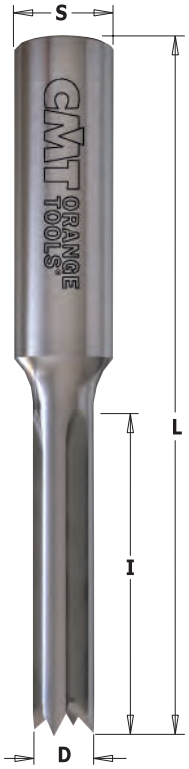
HSS Z2 LH RH

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand & Left-hand rotation |
|---|---|---|---|---|---|
| 6 | 45 | 90 | 13x40 | 1 | **179.060.50** |
| 8 | 50 | 95 | 13x40 | 1 | **179.080.50** |
| 10 | 60 | 105 | 13x40 | 1 | **179.100.50** |
| 12 | 70 | 115 | 13x40 | 1 | **179.120.50** |

**TECHNICAL DETAILS:**
- Long-lasting cutter performance.
- 2 HSS precision ground cutting edges [Z2].

**APPLICATION:**
for cutting deep mortise slots in natural soft or medium density wood. For use on combination machining centres equipped with adaptors and/or chucks.

Reciprocating Slot Mortising Bits




## 104

HL Z4 LH RH

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand & Left-hand rotation |
|---|---|---|---|---|---|
| 6 | 45 | 100 | 13x50 | 1 | **104.060.30** |
| 8 | 45 | 100 | 13x50 | 1 | **104.080.30** |
| 9 | 45 | 100 | 13x50 | 1 | **104.090.30** |
| 10 | 55 | 110 | 13x50 | 1 | **104.100.30** |
| 12 | 55 | 110 | 13x50 | 1 | **104.120.30** |
| 13 | 55 | 110 | 13x50 | 1 | **104.130.30** |
| 14 | 55 | 110 | 13x50 | 1 | **104.140.30** |
| 15 | 55 | 110 | 13 | 1 | **104.150.30** |
| 16 | 55 | 110 | 13x50 | 1 | **104.160.30** |

**TECHNICAL DETAILS:**
- Long-lasting cutting performance.
- 4 HL precision ground cutting edges [Z4].

**APPLICATION:**
for cutting deep mortise slots in soft and medium density wood. For use on mortising machine centres equipped with chucks.

## 105

HL Z4 LH RH

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand & Left-hand rotation |
|---|---|---|---|---|---|
| 6 | 28 | 73 | 10x40 | 1 | **105.060.30** |
| 8 | 28 | 73 | 10x40 | 1 | **105.080.30** |
| 10 | 28 | 73 | 10x40 | 1 | **105.100.30** |
| 12 | 28 | 73 | 10x40 | 1 | **105.120.30** |

**TECHNICAL DETAILS:**
- Long-lasting cutting performance.
- 4 HL precision ground cutting edges [Z4].

**APPLICATION:**
for cutting deep mortise slots in natural soft and medium density wood. For use on mortising machining centres equipped with chucks.

# INDUSTRIAL DOWEL DRILLS


| PRODUCTS | PAGE |
|---|---|
| XTREME Solid Carbide Boring Bits | 337~339 |
| XTREME Boring Bits | 340-341 |
| Solid Carbide Twist Drills | 342 |
| Adaptors & Bushings for Twist Drills | 343 |
| 2 Flute Dowel Drills | 344-345 |
| 4 Flute Dowel Drills | 346~348 |
| Dowel Drills with Countersink | 349 |
| Through Hole Dowel Drills | 350-351 |
| Countersinks | 352 |
| Adaptors | 353~355 |
| Hinge Boring Bits | 357~359 |
| Dowel Drills with Threaded Shank | 360~362 |


CMT XTREME BALANCING®

| BORING RANGE | XTREME-HWM | | | | XTREME | INDUSTRIAL |
|---|---|---|---|---|---|---|
| PERFORMANCE | ★★★★★ | | | | ★★★★ | ★★★ |
| | | | | | | |
| FEATURES | Z2 FLAT SHARPENING<br>MIRROR FINISH | Z2 REDUCED GRINDING BODY<br>MORE: FINISHING, COOLER CUTTING DEPTH, LIFE TIME | Z2 | Z3 3X LONGER LIFE THAN STANDARD | Z2 | Z2 |
| SHARPENING | No center-point or spurs means perfect bores in low-thickness panels.<br>XTREME FLAT SHARPENING | Specially designed reinforced spurs provide impeccable finishing during high-speed drilling feed operations.<br>XTREME SHARPENING | | Standard design with negatively ground spurs providing good quality finishing without chipping.<br>NEGATIVELY GROUND SPURS | Specially designed reinforced spurs provide impeccable finishing during high-speed drilling feed operations.<br>XTREME SHARPENING | Standard design with negatively ground spurs providing good quality finishing without chipping.<br>NEGATIVELY GROUND SPURS |
| CARBIDE | HWM LONG LIFE<br>INDUSTRIAL CHROMIUM MICROGRAIN CARBIDE<br>Premium quality, solid tungsten carbide produces clean bores with no rough edges. Guarantees exceptional resistance to fatigue and abrasion and allows for an infinite number of resharpenings. | | | | HW<br>INDUSTRIAL SINTERHIP HI-DENSITY CARBIDE<br>The tip is made of high quality carbide enhanced via Sinterhip (hot isostatic pressing). This process guarantees long lasting performance and exceptionally clean bores. | HW<br>INDUSTRIAL GRADE CARBIDE<br>Medium and fine grain carbide tip guarantee reliable prolonged use. |
| COATING | SOLID TUNGSTEN CARBIDE | | | | NON-STICK ORANGE SHIELD COATING<br>ORANGE SHIELD® NON-STICK PTFE COATING<br>- Protects against corrosion and rust.<br>- Reduces resin and residue build-up.<br>- Reduces overheating and blade drag.<br>- Improves performance and cutting life. | |
| MATERIALS APPLICATION | Ideal for chipboard, MDF, HDF and laminates. | | | | Excellent for both hard and soft wood. Great for chipboard, MDF, HDF and laminates. | Excellent for both hard and soft wood. Good for chipboard, MDF and laminates. |
| DESCRIPTION | Designed for heavy duty drilling in large-scale industrial manufacturing ensuring very high impact resistance and superb durability. | | | | Designed for heavy-duty to medium-duty drilling in large-scale to medium-scale industrial manufacturing ensuring high impact resistance and greater durability. | Designed for medium-duty to light-duty drilling in medium-scale to small-scale industrial manufacturing ensuring good impact resistance and good durability. |
| USER | LARGE-SCALE INDUSTRIAL MANUFACTURING | | | | LARGE-SCALE TO MEDIUM-SCALE INDUSTRIAL MANUFACTURING | MEDIUM-SCALE TO SMALL-SCALE INDUSTRIAL MANUFACTURING |
| RECOMMENDED USE | INDUSTRIAL PRODUCTION | | | | INDUSTRIAL PRODUCTION CABINETMAKER'S | CABINETMAKER'S |

# 311.71/72 XTREME FLAT SHARPENING

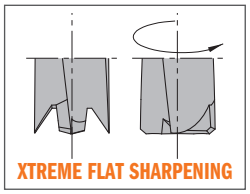
HWM Z2 V2 RH LH

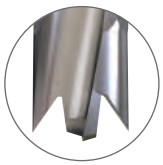
| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 5 | 30 | 70 | 10x27 | 50 | **311.050.71** | **311.050.72** |
| 6 | 30 | 70 | 10x27 | 50 | **311.060.71** | **311.060.72** |
| 7 | 30 | 70 | 10x27 | 50 | **311.070.71** | **311.070.72** |
| 8 | 30 | 70 | 10x25 | 50 | **311.080.71** | **311.080.72** |
| 10 | 30 | 70 | 10x25 | 50 | **311.100.71** | **311.100.72** |

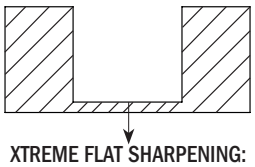
**TECHNICAL DETAILS:**
- Premium quality strength steel shank.
- High quality HWM body with mirror finishing.
- 2 cutting edges [Z2] + 2 curved ground spurs [V2].
- 2 spiral flutes.
- Parallel shank with driving flat and adjustable screw length.
- Recommended feed speed 1~4m/minute - RPM 6000.

Spare Parts 990.003.00 — Optional 990.088.00

**APPLICATION:**
ideal for chipboard, MDF, HDF and laminates.
No center-point or spurs means perfect bores in low-thickness panels.
For use on boring machines equipped with adaptors/chucks.



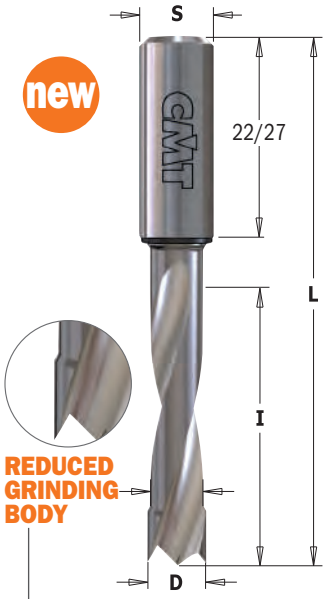





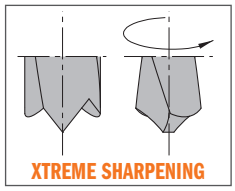
**XTREME FLAT SHARPENING:**
No center-point or spurs means perfect bores in low-thickness panels.

*CMT's new high quality dowel drills guarantee excellent performance and extra-long life!*

# Solid Carbide Dowel Drills - REDUCED GRINDING BODY - LONG LIFE




MORE
FINISHING
COOLER
CUTTING DEPTH
LIFE TIME




## 310-311-362-373 XTREME

HWM Z2 V2 RH LH

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 5 | 27 | 57.5 | 10x22 | 50 | 310.650.21 | 310.650.22 |
| 8 | 27 | 57.5 | 10x22 | 50 | 310.680.21 | 310.680.22 |
| 3 | 40 | 70 | 10x22 | 50 | 311.630.21 | 311.630.22 |
| 3.5 | 40 | 70 | 10x22 | 50 | 311.635.21 | 311.635.22 |
| 4 | 40 | 70 | 10x22 | 50 | 311.640.21 | 311.640.22 |
| 4.5 | 40 | 70 | 10x22 | 50 | 311.645.21 | 311.645.22 |
| 4.76 | 40 | 70 | 10x22 | 50 | 311.647.21 | 311.647.22 |
| 5 | 40 | 70 | 10x22 | 50 | 311.650.21 | 311.650.22 |
| 5.2 | 40 | 70 | 10x22 | 50 | 311.652.21 | 311.652.22 |
| 5.5 | 40 | 70 | 10x22 | 50 | 311.655.21 | 311.655.22 |
| 6 | 40 | 70 | 10x22 | 50 | 311.660.21 | 311.660.22 |
| 7 | 40 | 70 | 10x22 | 50 | 311.670.21 | 311.670.22 |
| 8 | 40 | 70 | 10x22 | 50 | 311.680.21 | 311.680.22 |
| 8.2 | 40 | 70 | 10x22 | 50 | 311.682.21 | 311.682.22 |
| 8.5 | 40 | 70 | 10x22 | 50 | 311.685.21 | 311.685.22 |
| 10 | 40 | 70 | 10x22 | 50 | 311.700.21 | 311.700.22 |
| 5 | 45 | 77 | 10x25 | 50 | 362.650.21 | 362.650.22 |
| 8 | 45 | 77 | 10x27 | 50 | 362.680.21 | 362.680.22 |
| 5 | 50 | 85 | 10x27 | 50 | 373.650.21 | 373.650.22 |
| 8 | 50 | 85 | 10x27 | 50 | 373.680.21 | 373.680.22 |

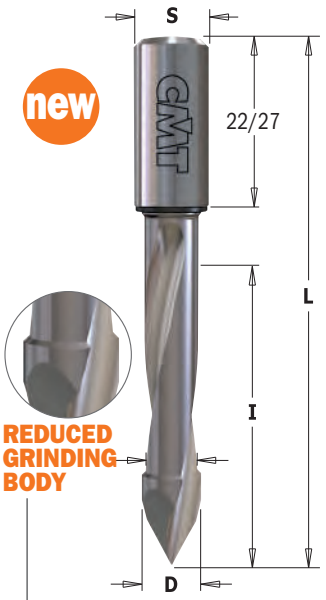
**TECHNICAL DETAILS:**
- Premium quality strength steel shank.
- High quality HWM body.
- 2 cutting edges [Z2] + 2 curved ground spurs [V2].
- 2 spiral flutes.
- Centre point.
- Parallel shank with driving flat and adjustable screw length.

**APPLICATION:**
for drilling blind holes in solid wood, wood derivatives and laminates.
For use on boring machines equipped with adaptors and/or with chucks.

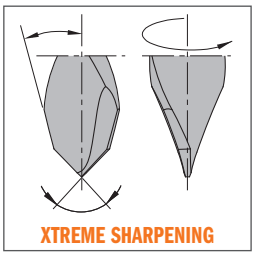
Spare Parts 990.003.00
Optional 990.088.00

Perfect for all materials and long-lasting performance!

# Solid Carbide Dowel Drills for Through Holes - REDUCED GRINDING BODY - LONG LIFE




MORE
FINISHING
COOLER
CUTTING DEPTH
LIFE TIME




## 314-366 XTREME

HWM Z2 V2 RH LH

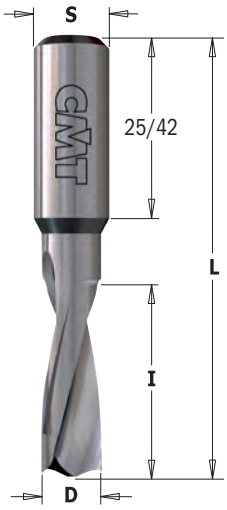
| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 3 | 40 | 70 | 10x22 | 50 | 314.630.21 | 314.630.22 |
| 4 | 40 | 70 | 10x22 | 50 | 314.640.21 | 314.640.22 |
| 5 | 40 | 70 | 10x22 | 50 | 314.650.21 | 314.650.22 |
| 6 | 40 | 70 | 10x22 | 50 | 314.660.21 | 314.660.22 |
| 7 | 40 | 70 | 10x22 | 50 | 314.670.21 | 314.670.22 |
| 8 | 40 | 70 | 10x22 | 50 | 314.680.21 | 314.680.22 |
| 10 | 40 | 70 | 10x22 | 50 | 314.700.21 | 314.700.22 |
| 5 | 45 | 77 | 10x25 | 50 | 366.650.21 | 366.650.22 |
| 8 | 45 | 77 | 10x27 | 50 | 366.680.21 | 366.680.22 |
| 5 | 50 | 85 | 10x27 | 50 | 366.650.21X | 366.650.22X |
| 8 | 50 | 85 | 10x27 | 50 | 366.680.21X | 366.680.22X |

**TECHNICAL DETAILS:**
- Premium quality strength steel shank.
- High quality HWM body.
- 2 cutting edges [Z2] with double angle.
- 2 spiral flutes.
- Parallel shank with driving flat and adjustable screw length.

**APPLICATION:**
for drilling through holes in solid wood, wood derivatives and laminates.
For use on boring machine equipped with adaptors and/or chucks.

Spare Parts 990.003.00
Optional 990.088.00

Perfect for all materials and long-lasting performance!



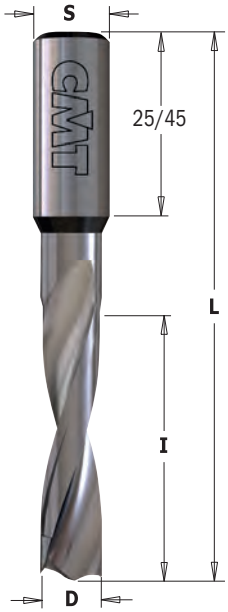

## 310.21/22 XTREME

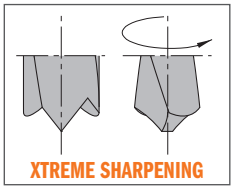
HWM Z2 V2 RH LH

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 1.3 | 5 | 57.5 | 10x32 | 50 | 310.013.20* | |
| 2 | 12 | 57.5 | 10x32 | 50 | 310.020.21 | 310.020.22 |
| 3 | 9 | 57.5 | 10x42 | 50 | 310.530.21 | 310.530.22 |
| 3 | 18 | 57.5 | 10x30 | 50 | 310.030.21 | 310.030.22 |
| 4 | 20 | 57.5 | 10x27 | 50 | 310.040.21 | 310.040.22 |
| 5 | 22 | 57.5 | 10x27 | 50 | 310.050.21 | 310.050.22 |
| 6 | 22 | 57.5 | 10x27 | 50 | 310.060.21 | 310.060.22 |
| 6.35 (1/4") | 22 | 57.5 | 10x27 | 50 | 310.064.21 | 310.064.22 |
| 8 | 22 | 57.5 | 10x27 | 50 | 310.080.21 | 310.080.22 |
| 10 | 35 | 57.5 | 10x25 | 50 | 310.100.21 | 310.100.22 |

* Dowel drill for panel preboring.
Suitable for both right-hand and left-hand rotation.

Spare Parts: 990.003.00 — Optional: 990.088.00




## 311.21/22 XTREME

HWM Z2 V2 RH LH

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 1.3 | 5 | 70 | 10x45 | 50 | 311.013.20* | |
| 2 | 12 | 70 | 10x45 | 50 | 311.020.21 | 311.020.22 |
| 3 | 18 | 70 | 10x42 | 50 | 311.030.21 | 311.030.22 |
| 3.5 | 22 | 70 | 10x39 | 50 | 311.035.21 | 311.035.22 |
| 4 | 30 | 70 | 10x27 | 50 | 311.040.21 | 311.040.22 |
| 5 | 35 | 70 | 10x27 | 50 | 311.050.21 | 311.050.22 |
| 6 | 35 | 70 | 10x27 | 50 | 311.060.21 | 311.060.22 |
| 6.35 (1/4") | 35 | 70 | 10x27 | 50 | 311.064.21 | 311.064.22 |
| 7 | 35 | 70 | 10x27 | 50 | 311.070.21 | 311.070.22 |
| 8 | 35 | 70 | 10x25 | 50 | 311.080.21 | 311.080.22 |
| 10 | 35 | 70 | 10x25 | 50 | 311.100.21 | 311.100.22 |

* Dowel drill for panel preboring.
Suitable for both right-hand and left-hand rotation.

Spare Parts: 990.003.00 — Optional: 990.088.00

**TECHNICAL DETAILS:**
- Premium quality strength steel shank.
- High quality HWM body.
- 2 cutting edges [Z2] + 2 curved ground spurs [V2].
- 2 spiral flutes.
- Centre point.
- Parallel shank with driving flat and adjustable screw length.

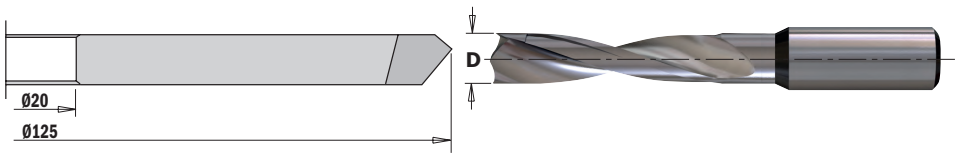
**APPLICATION:**
for drilling blind holes in solid wood, wood derivatives and laminates.
For use on boring machines equipped with adaptors and/or with chucks.

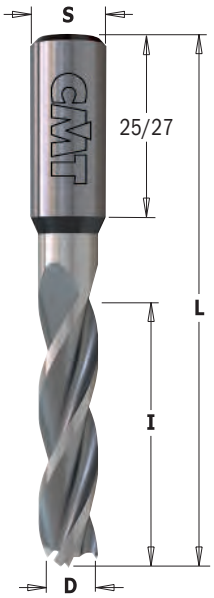
# Grinding Wheels for XTREME Sharpening*

## 01.02

| D mm | DESCRIPTION | DIMENSION mm | B mm | | ORDER NO. |
|---|---|---|---|---|---|
| Ø3 to 7 | Grinding wheel for resharpening | Ø125x5.5 | Ø20 | 1 | 01.02.0316 |
| Ø8 to 10 | Grinding wheel for resharpening | Ø125x7 | Ø20 | 1 | 01.02.0317 |

* **For use with the following items:** 310.21/22 - 311.21/22 - 310.41/42 - 311.41/42






3X LONGER LIFE THAN STANDARD

## 311.31/32 XTREME

HWM | Z3 | V3 | RH | LH

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 5 | 35 | 70 | 10x27 | 50 | **311.050.31** | **311.050.32** |
| 8 | 35 | 70 | 10x25 | 50 | **311.080.31** | **311.080.32** |

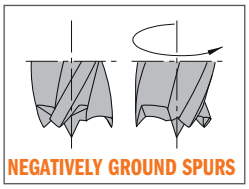
**TECHNICAL DETAILS:**
- Premium quality strength steel shank.
- High quality HWM body.
- 3 cutting edges [Z3] + 3 negatively ground spurs [V3].
- 3 spiral flutes.
- Centre point.
- Parallel shank with driving flat and adjustable screw length.

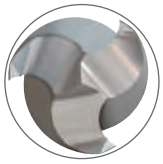
**APPLICATION:**
for drilling blind holes in solid wood, wood derivatives and laminates.
For use on boring machine equipped with adaptors and/or chucks.

**REMARK:** *special dimensions available on request.*

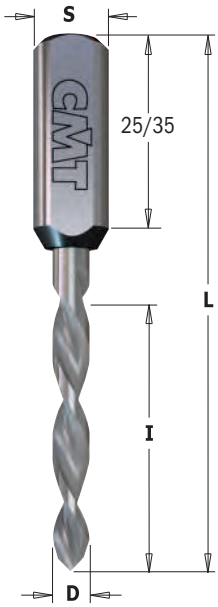
*Spare Parts* 990.008.00

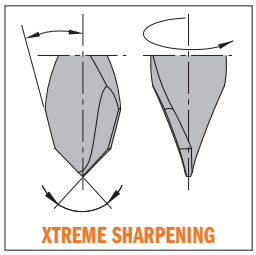
*Optional* 990.088.00



*CMT's new high quality dowel drills guarantee excellent performance and extra-long life!*




## 314.21/22 XTREME

HWM Z2 RH LH

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| *3 | 27 | 70 | 10x35 | 50 | **314.030.21** | **314.030.22** |
| 4 | 35 | 70 | 10x26 | 50 | **314.040.21** | **314.040.22** |
| 5 | 35 | 70 | 10x26 | 50 | **314.050.21** | **314.050.22** |
| 6 | 35 | 70 | 10x25 | 50 | **314.060.21** | **314.060.22** |
| 7 | 35 | 70 | 10x25 | 50 | **314.070.21** | **314.070.22** |
| 8 | 35 | 70 | 10x25 | 50 | **314.080.21** | **314.080.22** |
| 10 | 35 | 70 | 10x25 | 50 | **314.100.21** | **314.100.22** |

*** "V" point 60° sharpening**

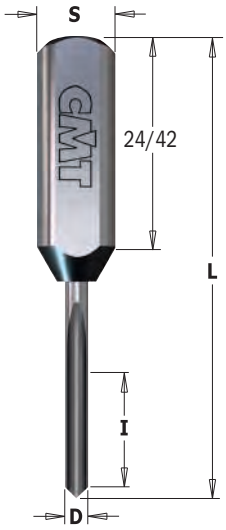
Spare Parts 990.003.00 — Optional 990.088.00

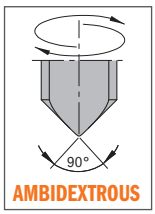
**TECHNICAL DETAILS:**
- Premium quality strength steel shank.
- High quality HWM body.
- 2 cutting edges [Z2] with double angle.
- 2 spiral flutes.
- Parallel shank with driving flat and adjustable screw length.

**APPLICATION:**
for drilling through holes in solid wood, wood derivatives and laminates.
For use on boring machine equipped with adaptors and/or chucks.

FOR PANELS WITH MAXIMUM THICKNESS: 20-30mm

## Solid Carbide Dowel Drills - LONG LIFE




## 382 XTREME

HWM Z1 LH RH

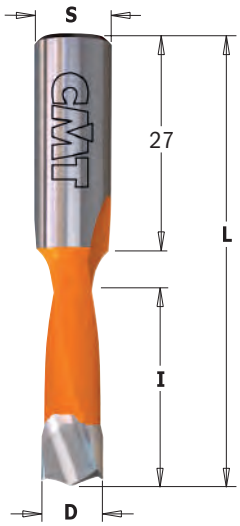
| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand & Left-hand rotation |
|---|---|---|---|---|---|
| 2 | 12 | 57.5 | 10x30 | 50 | **382.2057** |
| 2 | 12 | 70 | 10x42 | 50 | **382.2070** |
| 2.5 | 16 | 57.5 | 10x24 | 50 | **382.2557** |
| 2.5 | 16 | 70 | 10x35 | 50 | **382.2570** |
| 3 | 15 | 57.5 | 10x25 | 50 | **382.3057** |
| 3 | 25 | 70 | 10x30 | 50 | **382.3070** |
| 3.5 | 18 | 57.5 | 10x24 | 50 | **382.3557** |
| 3.5 | 18 | 70 | 10x36 | 50 | **382.3570** |
| 5 | 25 | 57.5 | 10x25 | 50 | **382.5057** |
| 5 | 35 | 70 | 10x25 | 50 | **382.5070** |

Spare Parts 990.003.00 — Optional 990.088.00

**TECHNICAL DETAILS:**
- Premium quality strength steel shank.
- High quality HWM body.
- 1 cutting edge [Z1].
- Parallel shank with driving flat and adjustable screw length.

**APPLICATION:**
for drilling blind holes in solid wood, wood derivatives, plastic, laminates and melamine.
For use on boring machine, point-to-point machines and hand-held routers equipped with adaptors and/or chucks.

**SECURITY TIPS:**
**These boring bits require more power compared to tradition dowel drills. The number of boring bits to be used in a single drilling unit depends on the machine power.**

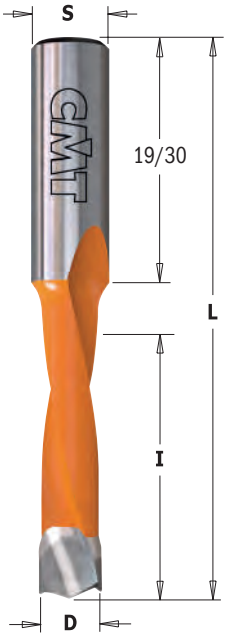



## 310.41/42 XTREME

HW Z2 V2 RH LH

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 5 | 27 | 57.5 | 10x27 | 50 | **310.050.41** | **310.050.42** |
| 6 | 27 | 57.5 | 10x27 | 50 | **310.060.41** | **310.060.42** |
| 7 | 27 | 57.5 | 10x27 | 50 | **310.070.41** | **310.070.42** |
| 8 | 27 | 57.5 | 10x27 | 50 | **310.080.41** | **310.080.42** |
| 9 | 27 | 57.5 | 10x27 | 50 | **310.090.41** | **310.090.42** |
| 10 | 27 | 57.5 | 10x27 | 50 | **310.100.41** | **310.100.42** |

Spare Parts: 990.003.00 — Optional: 990.088.00



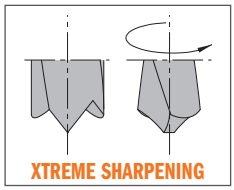

## 311.41/42 XTREME

HW Z2 V2 RH LH

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 5 | 35 | 70 | 10x30 | 50 | **311.050.41** | **311.050.42** |
| 6 | 35 | 70 | 10x30 | 50 | **311.060.41** | **311.060.42** |
| 7 | 35 | 70 | 10x30 | 50 | **311.070.41** | **311.070.42** |
| 8 | 35 | 70 | 10x30 | 50 | **311.080.41** | **311.080.42** |
| 8 | 45 | 70 | 10x19 | 50 | **311.580.41*** | **311.580.42*** |
| 9 | 35 | 70 | 10x30 | 50 | **311.090.41** | **311.090.42** |
| 10 | 35 | 70 | 10x30 | 50 | **311.100.41** | **311.100.42** |
| 12 | 35 | 70 | 10x30 | 10 | **311.120.41** | **311.120.42** |

* **Drill bits designed to fit HÄFELE® one-piece Ixconnect SC 8/60 spreading connector.**

Spare Parts: 990.003.00 — Optional: 990.088.00




**TECHNICAL DETAILS:**
- Premium quality strength steel body.
- High quality HW tip.
- 2 cutting edges [Z2] + 2 curved ground spurs [V2].
- 2 spiral flutes.
- Centre point.
- Orange or black PTFE coating.
- Parallel shank with driving flat and adjustable screw length.

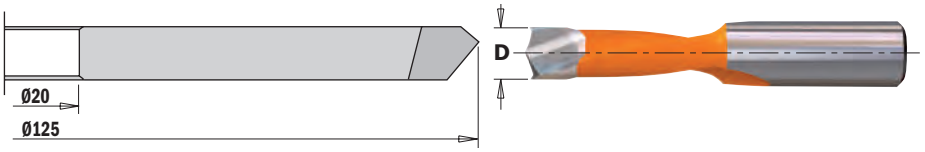
**APPLICATION:**
for drilling blind holes in solid wood, wood derivatives, plastics and laminates.
For use on boring machines equipped with adaptors and/or chucks.

# Grinding Wheels for XTREME Sharpening*

## 01.02

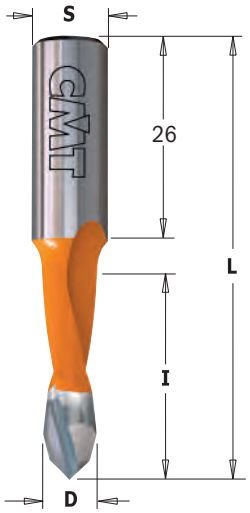
| D mm | DESCRIPTION | DIMENSION mm | B mm | | ORDER NO. |
|---|---|---|---|---|---|
| Ø3 to 7 | Grinding wheel for resharpening | Ø125x5.5 | Ø20 | 1 | **01.02.0316** |
| Ø8 to 10 | Grinding wheel for resharpening | Ø125x7 | Ø20 | 1 | **01.02.0317** |

* **For use with the following items: 310.21/22 - 311.21/22 - 310.41/42 - 311.41/42**






® Brand names mentioned in CMT products are the property of their respective owners (see back cover)




## 313.41/42 XTREME

HW Z2 RH LH

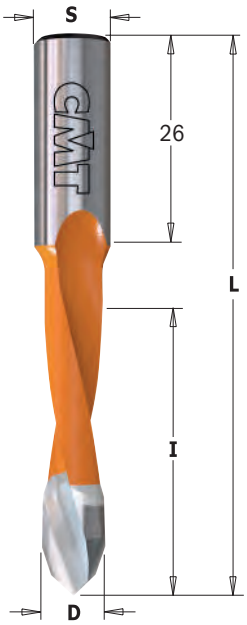
| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 5 | 27 | 57.5 | 10x26 | 50 | **313.050.41** | **313.050.42** |
| 8 | 27 | 57.5 | 10x26 | 50 | **313.080.41** | **313.080.42** |

**TECHNICAL DETAILS:**
- Premium quality strength steel body.
- High quality HW tip.
- 2 cutting edges [Z2] with double angle.
- 2 spiral flutes.
- Orange or black PTFE coating.
- Parallel shank with driving flat and adjustable screw length.

Spare Parts 990.003.00 — Optional 990.088.00

**APPLICATION:**
for drilling through holes in solid wood, wood derivatives and laminates.
For use on boring machines equipped with adaptors and/or chucks.

FOR PANELS WITH MAXIMUM THICKNESS: 20mm




## 314.41/42 XTREME

HW Z2 RH LH

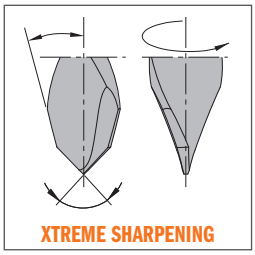
| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 5 | 35 | 70 | 10x26 | 50 | **314.050.41** | **314.050.42** |
| 6 | 35 | 70 | 10x26 | 50 | **314.060.41** | **314.060.42** |
| 7 | 35 | 70 | 10x26 | 50 | **314.070.41** | **314.070.42** |
| 8 | 35 | 70 | 10x26 | 50 | **314.080.41** | **314.080.42** |
| 10 | 35 | 70 | 10x26 | 50 | **314.100.41** | **314.100.42** |

**TECHNICAL DETAILS:**
- Premium quality strength steel body.
- High quality HW tip.
- 2 cutting edges [Z2] with double angle.
- 2 spiral flutes.
- Orange or black PTFE coating.
- Parallel shank with driving flat and adjustable screw length.

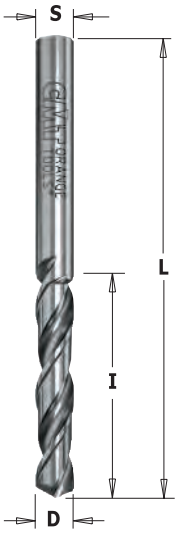
Spare Parts 990.003.00 — Optional 990.088.00

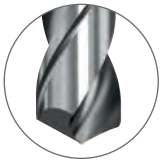
**APPLICATION:**
for drilling through holes in solid wood, wood derivatives and laminates.
For use on boring machines equipped with adaptors and/or chucks.

FOR PANELS WITH MAXIMUM THICKNESS: 30mm


XTREME SHARPENING

# Solid Carbide Twist Drills “V” Point 120° - LONG LIFE



“V” POINT 120°

## 363.11/12

HWM Z2 RH LH

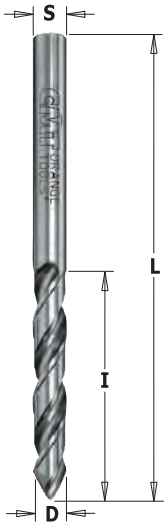
| S=D mm | I mm | L mm | | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 2 | 25 | 50 | | 50 | 363.020.11 | 363.020.12 |
| 2.5 | 27 | 55 | | 50 | 363.025.11 | 363.025.12 |
| 3 | 27 | 55 | | 50 | 363.030.11 | 363.030.12 |
| 3.2 | 27 | 55 | | 50 | 363.032.11 | 363.032.12 |
| 3.5 | 27 | 55 | | 50 | 363.035.11 | 363.035.12 |
| 4 | 27 | 55 | | 50 | 363.040.11 | 363.040.12 |
| 4.5 | 28 | 60 | | 50 | 363.045.11 | 363.045.12 |
| 5 | 28 | 60 | | 50 | 363.050.11 | 363.050.12 |

For use with the following items: 364-365

**TECHNICAL DETAILS:**
- High quality HWM body.
- 2 cutting edges [Z2] at 120°.
- 2 spiral flutes.

**APPLICATION:**
for drilling through holes in solid wood, wood derivatives and laminates.
For use on boring machines equipped with adaptors and/or chucks.

# Solid Carbide Twist Drills “V” Point 60° - LONG LIFE



“V” POINT 60°

## 363.41/42

HWM Z2 RH LH

| S=D mm | I mm | L mm | | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 2.5 | 27 | 55 | | 50 | 363.025.41 | 363.025.42 |
| 3 | 27 | 55 | | 50 | 363.030.41 | 363.030.42 |
| 3.5 | 27 | 55 | | 50 | 363.035.41 | 363.035.42 |
| 4 | 27 | 55 | | 50 | 363.040.41 | 363.040.42 |

For use with the following items: 364-365

**TECHNICAL DETAILS:**
- High quality HWM body.
- 2 cutting edges [Z2] at 60°.
- 2 spiral flutes.

**APPLICATION:**
for drilling through holes in solid wood, wood derivatives and laminates.
For use on boring machines equipped with adaptors and/or chucks.

# Solid Carbide Twist Drills Negatively Ground Spurs - LONG LIFE

XTREME SHARPENING

## 363.21/22 XTREME

HWM Z2 RH LH

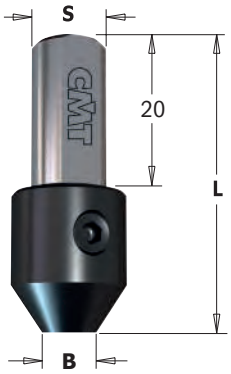
| S=D mm | I mm | L mm | | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 2.5 | 27 | 55 | | 50 | 363.025.21 | 363.025.22 |
| 3 | 27 | 55 | | 50 | 363.030.21 | 363.030.22 |
| 4 | 27 | 55 | | 50 | 363.040.21 | 363.040.22 |
| 5 | 28 | 60 | | 50 | 363.050.21 | 363.050.22 |

For use with the following items: 364-365

**TECHNICAL DETAILS:**
- High quality HWM body.
- 2 cutting edges [Z2] + 2 curved ground spurs [V2].
- 2 spiral flutes.

**APPLICATION:**
for drilling blind holes in solid wood, wood derivatives and laminates.
For use on boring machines equipped with adpators and/or chucks.

# Adaptors for Twist Drills




## 364

| B mm | L mm | S mm | | | ORDER NO. | |
|---|---|---|---|---|---|---|
| 2 | 38 | 10x20 | | 10 | 364.020.00 | |
| 2.5 | 38 | 10x20 | | 10 | 364.025.00 | |
| 3 | 38 | 10x20 | | 10 | 364.030.00 | |
| 3.2 | 38 | 10x20 | | 10 | 364.032.00 | |
| 3.5 | 38 | 10x20 | | 10 | 364.035.00 | |
| 4 | 38 | 10x20 | | 10 | 364.040.00 | |
| 4.5 | 38 | 10x20 | | 10 | 364.045.00 | |
| 5 | 38 | 10x20 | | 10 | 364.050.00 | |

**For use with the following items: 363 HWM**

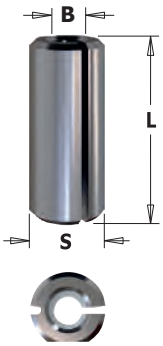
*Spare Parts*

| | |
|---|---|
| 990.001.00 | 991.062.00 |

**TECHNICAL DETAILS:**
- Strength steel.
- Precision grinding on all contact surfaces.
- Quick and secure assembly of the twist drills with screw.
- Parallel shank with driving flat.

**APPLICATION:**
For use with twist drills having same shank diameter as chuck/bushing hole.
For use on boring machines equipped with adaptors and/or chucks.

# Bushings for Twist Drills




## 365

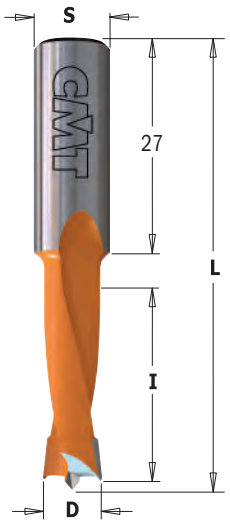
| B mm | L mm | S mm | | | ORDER NO. | |
|---|---|---|---|---|---|---|
| 2 | 23 | 10 | | 50 | 365.020.00 | |
| 2.5 | 23 | 10 | | 50 | 365.025.00 | |
| 3 | 23 | 10 | | 50 | 365.030.00 | |
| 3.2 | 23 | 10 | | 50 | 365.032.00 | |
| 3.5 | 23 | 10 | | 50 | 365.035.00 | |
| 4 | 23 | 10 | | 50 | 365.040.00 | |
| 4.5 | 23 | 10 | | 50 | 365.045.00 | |
| 5 | 23 | 10 | | 50 | 365.050.00 | |
| 6 | 23 | 10 | | 50 | 365.060.00 | |

**For use with the following items: 363 HWM**

**TECHNICAL DETAILS:**
- Strength steel.
- Precision grinding on all contact surfaces.
- Axial cuttings for cylindrical drill clamps.
- Parallel shank with driving flat.

**APPLICATION:**
For use with twist drills having same shank diameter as chuck/bushing hole.
For use on boring machines equipped with adaptors and/or chucks.

## ASSEMBLY ILLUSTRATION

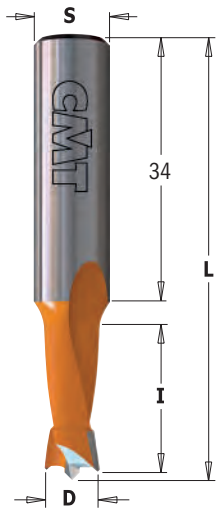



## 310

HW Z2 V2 RH LH

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 4 | 27 | 57.5 | 10x27 | 50 | **310.040.11** | **310.040.12** |
| 4.5 | 27 | 57.5 | 10x27 | 50 | **310.045.11** | **310.045.12** |
| 4.76 | 27 | 57.5 | 10x27 | 50 | **310.047.11** | **310.047.12** |
| 5 | 27 | 57.5 | 10x27 | 50 | **310.050.11** | **310.050.12** |
| 5.1 | 27 | 57.5 | 10x27 | 50 | **310.051.11** | **310.051.12** |
| 5.2 | 27 | 57.5 | 10x27 | 50 | **310.052.11** | **310.052.12** |
| 5.55 | 27 | 57.5 | 10x27 | 50 | **310.055.11** | **310.055.12** |
| 6 | 27 | 57.5 | 10x27 | 50 | **310.060.11** | **310.060.12** |
| 6.35 | 27 | 57.5 | 10x27 | 50 | **310.064.11** | **310.064.12** |
| 6.5 | 27 | 57.5 | 10x27 | 50 | **310.065.11** | **310.065.12** |
| 7 | 27 | 57.5 | 10x27 | 50 | **310.070.11** | **310.070.12** |
| 8 | 27 | 57.5 | 10x27 | 50 | **310.080.11** | **310.080.12** |
| 8.2 | 27 | 57.5 | 10x27 | 50 | **310.082.11** | **310.082.12** |
| 9 | 27 | 57.5 | 10x27 | 50 | **310.090.11** | **310.090.12** |
| 9.53 | 27 | 57.5 | 10x27 | 50 | **310.095.11** | **310.095.12** |
| 10 | 27 | 57.5 | 10x27 | 50 | **310.100.11** | **310.100.12** |
| 11 | 27 | 57.5 | 10x27 | 10 | **310.110.11** | **310.110.12** |
| 12 | 27 | 57.5 | 10x27 | 10 | **310.120.11** | **310.120.12** |
| 12.7 | 27 | 57.5 | 10x27 | 10 | **310.127.11** | **310.127.12** |
| 13 | 27 | 57.5 | 10x27 | 10 | **310.130.11** | **310.130.12** |
| 14 | 27 | 57,5 | 10x27 | 10 | **310.140.11** | **310.140.12** |
| 15 | 27 | 57.5 | 10x27 | 10 | **310.150.11** | **310.150.12** |
| 16 | 27 | 57.5 | 10x27 | 10 | **310.160.11** | **310.160.12** |

Spare Parts 990.003.00 — Optional 990.088.00




## 361

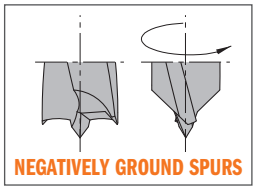
HW Z2 V2 RH LH

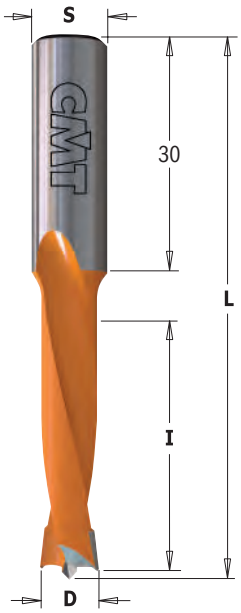
| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 5 | 18 | 57.5 | 10x34 | 50 | **361.050.11** | **361.050.12** |
| 6 | 18 | 57.5 | 10x34 | 50 | **361.060.11** | **361.060.12** |
| 7 | 18 | 57.5 | 10x34 | 50 | **361.070.11** | **361.070.12** |
| 8 | 18 | 57.5 | 10x34 | 50 | **361.080.11** | **361.080.12** |
| 10 | 18 | 57.5 | 10x34 | 50 | **361.100.11** | **361.100.12** |

Spare Parts 990.003.00 — Optional 990.088.00

**TECHNICAL DETAILS:**
- Premium quality strength steel body.
- High quality HW tip.
- 2 cutting edges [Z2] + 2 negatively ground spurs [V2].
- 2 spiral flutes.
- Centre point.
- Orange or black PTFE coating.
- Parallel shank with driving flat and length adjusting screw.

**APPLICATION:**
for drilling blind holes in solid wood, wood derivatives and laminates.
For use on boring machine equipped with adaptors and/or chucks.



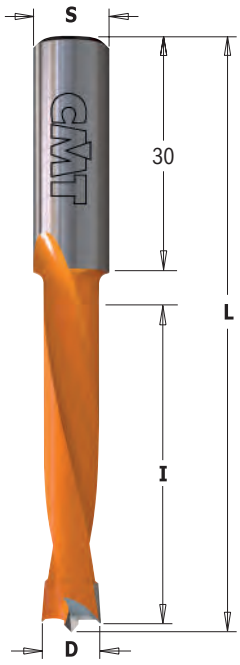



## 311

HW Z2 V2 RH LH

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 4 | 35 | 70 | 10x30 | 50 | 311.040.11 | 311.040.12 |
| 4.5 | 35 | 70 | 10x30 | 50 | 311.045.11 | 311.045.12 |
| 4.76 | 35 | 70 | 10x30 | 50 | 311.047.11 | 311.047.12 |
| 5 | 35 | 70 | 10x30 | 50 | 311.050.11 | 311.050.12 |
| 5.1 | 35 | 70 | 10x30 | 50 | 311.051.11 | 311.051.12 |
| 5.2 | 35 | 70 | 10x30 | 50 | 311.052.11 | 311.052.12 |
| 5.55 | 35 | 70 | 10x30 | 50 | 311.055.11 | 311.055.12 |
| 6 | 35 | 70 | 10x30 | 50 | 311.060.11 | 311.060.12 |
| 6.35 | 35 | 70 | 10x30 | 50 | 311.064.11 | 311.064.12 |
| 6.5 | 35 | 70 | 10x30 | 50 | 311.065.11 | 311.065.12 |
| 7 | 35 | 70 | 10x30 | 50 | 311.070.11 | 311.070.12 |
| 8 | 35 | 70 | 10x30 | 50 | 311.080.11 | 311.080.12 |
| 8.2 | 35 | 70 | 10x30 | 50 | 311.082.11 | 311.082.12 |
| 9 | 35 | 70 | 10x30 | 50 | 311.090.11 | 311.090.12 |
| 9.53 | 35 | 70 | 10x30 | 50 | 311.095.11 | 311.095.12 |
| 10 | 35 | 70 | 10x30 | 50 | 311.100.11 | 311.100.12 |
| 11 | 35 | 70 | 10x30 | 10 | 311.110.11 | 311.110.12 |
| 11.1 | 35 | 70 | 10x30 | 10 | 311.111.11 | 311.111.12 |
| 12 | 35 | 70 | 10x30 | 10 | 311.120.11 | 311.120.12 |
| 12.7 | 35 | 70 | 10x30 | 10 | 311.127.11 | 311.127.12 |
| 13 | 35 | 70 | 10x30 | 10 | 311.130.11 | 311.130.12 |
| 14 | 35 | 70 | 10x30 | 10 | 311.140.11 | 311.140.12 |
| 15 | 35 | 70 | 10x30 | 10 | 311.150.11 | 311.150.12 |
| 16 | 35 | 70 | 10x30 | 10 | 311.160.11 | 311.160.12 |

Spare Parts 990.003.00 — Optional 990.088.00




## 362

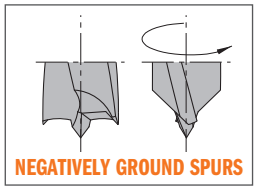
HW Z2 V2 RH LH

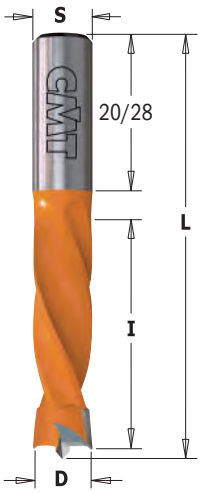
| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 5 | 44 | 77 | 10x30 | 50 | 362.050.11 | 362.050.12 |
| 6 | 44 | 77 | 10x30 | 50 | 362.060.11 | 362.060.12 |
| 7 | 44 | 77 | 10x30 | 50 | 362.070.11 | 362.070.12 |
| 8 | 44 | 77 | 10x30 | 50 | 362.080.11 | 362.080.12 |
| 10 | 44 | 77 | 10x30 | 50 | 362.100.11 | 362.100.12 |
| 12 | 44 | 77 | 10x30 | 10 | 362.120.11 | 362.120.12 |

Spare Parts 990.003.00 — Optional 990.088.00

**TECHNICAL DETAILS:**
- Premium quality strength steel body.
- High quality HW tip.
- 2 cutting edges [Z2] + 2 negatively ground spurs [V2].
- 2 spiral flutes.
- Centre point.
- Orange or black PTFE coating.
- Parallel shank with driving flat and length adjusting screw.

**APPLICATION:**
for drilling blind holes in solid wood, wood derivatives and laminates.
For use on boring machine equipped with adaptors and/or chucks.





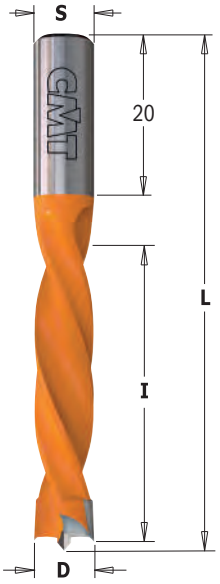

## 306

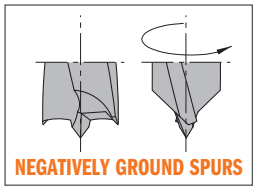
HW HWM Z2 V2 RH LH

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| • 3 | 18 | 55.5 | 8x28 | 50 | **306.030.21** | |
| 5 | 30 | 55.5 | 8x20 | 50 | **306.050.11** | **306.050.12** |
| 5.55 | 30 | 55.5 | 8x20 | 50 | **306.055.11** | **306.055.12** |
| 6 | 30 | 55.5 | 8x20 | 50 | **306.060.11** | **306.060.12** |
| 6.35 | 30 | 55.5 | 8x20 | 50 | **306.064.11** | **306.064.12** |
| 7 | 30 | 55.5 | 8x20 | 50 | **306.070.11** | **306.070.12** |
| 8 | 30 | 55.5 | 8x20 | 50 | **306.080.11** | **306.080.12** |
| 9 | 30 | 55.5 | 8x20 | 50 | **306.090.11** | **306.090.12** |
| 10 | 30 | 55.5 | 8x20 | 50 | **306.100.11** | **306.100.12** |
| 12 | 30 | 55.5 | 8x20 | 50 | **306.120.11** | **306.120.12** |

• **HWM**

Spare Parts 990.003.00 Optional 990.088.00




## 307

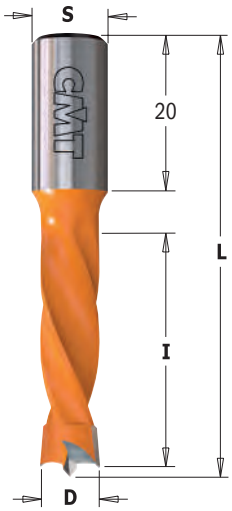
HW Z2 V2 RH LH

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 5 | 40 | 67 | 8x20 | 50 | **307.050.11** | **307.050.12** |
| 5.55 | 40 | 67 | 8x20 | 50 | **307.055.11** | **307.055.12** |
| 6 | 40 | 67 | 8x20 | 50 | **307.060.11** | **307.060.12** |
| 6.35 | 40 | 67 | 8x20 | 50 | **307.064.11** | **307.064.12** |
| 7 | 40 | 67 | 8x20 | 50 | **307.070.11** | **307.070.12** |
| 8 | 40 | 67 | 8x20 | 50 | **307.080.11** | **307.080.12** |
| 9 | 40 | 67 | 8x20 | 50 | **307.090.11** | **307.090.12** |
| 9.53 | 40 | 67 | 8x20 | 50 | **307.095.11** | **307.095.12** |
| 10 | 40 | 67 | 8x20 | 50 | **307.100.11** | **307.100.12** |
| 12 | 40 | 67 | 8x20 | 10 | **307.120.11** | **307.120.12** |

Spare Parts 990.003.00 Optional 990.088.00

**TECHNICAL DETAILS:**
- Premium quality strength steel body.
- High quality HW tip.
- 2 cutting edges [Z2] + 2 negatively ground spurs [V2].
- 4 spiral flutes.
- Centre point.
- Orange or black PTFE coating.
- Parallel shank with driving flat and length adjusting screw.

**APPLICATION:**
for drilling blind holes in solid wood, wood derivatives and laminates.
For use on boring machine equipped with adaptors and/or chucks.

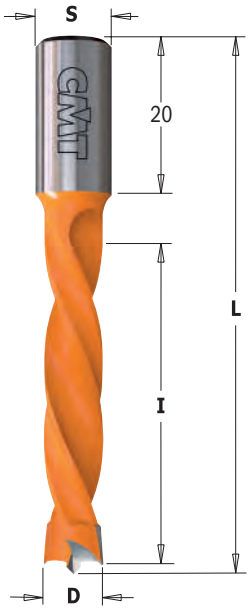


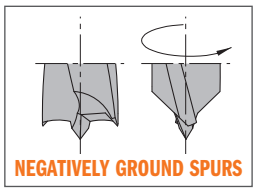

## 308

HW Z2 V2 RH LH

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 4 | 26 | 57.5 | 10x20 | 50 | 308.040.11 | 308.040.12 |
| 5 | 30 | 57.5 | 10x20 | 50 | 308.050.11 | 308.050.12 |
| 6 | 30 | 57.5 | 10x20 | 50 | 308.060.11 | 308.060.12 |
| 6.35 | 30 | 57.5 | 10x20 | 50 | 308.064.11 | 308.064.12 |
| 7 | 30 | 57.5 | 10x20 | 50 | 308.070.11 | 308.070.12 |
| 8 | 30 | 57.5 | 10x20 | 50 | 308.080.11 | 308.080.12 |
| 9 | 30 | 57.5 | 10x20 | 50 | 308.090.11 | 308.090.12 |
| 9.53 | 30 | 57.5 | 10x20 | 50 | 308.095.11 | 308.095.12 |
| 10 | 30 | 57.5 | 10x20 | 50 | 308.100.11 | 308.100.12 |
| 11 | 30 | 57.5 | 10x20 | 10 | 308.110.11 | 308.110.12 |
| 12 | 30 | 57.5 | 10x20 | 10 | 308.120.11 | 308.120.12 |
| 12.7 | 30 | 57.5 | 10x20 | 10 | 308.127.11 | 308.127.12 |
| 13 | 30 | 57.5 | 10x20 | 10 | 308.130.11 | 308.130.12 |
| 14 | 30 | 57.5 | 10x20 | 10 | 308.140.11 | 308.140.12 |
| 15 | 30 | 57.5 | 10x20 | 10 | 308.150.11 | 308.150.12 |
| 16 | 30 | 57.5 | 10x20 | 10 | 308.160.11 | 308.160.12 |

Spare Parts: 990.003.00 — Optional: 990.088.00




## 309

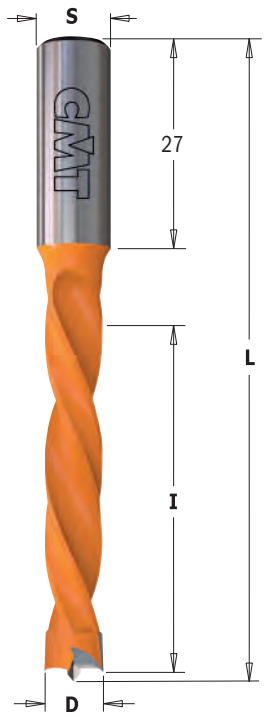
HW Z2 V2 RH LH

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 4 | 43 | 70 | 10x20 | 50 | 309.040.11 | 309.040.12 |
| 5 | 43 | 70 | 10x20 | 50 | 309.050.11 | 309.050.12 |
| 6 | 43 | 70 | 10x20 | 50 | 309.060.11 | 309.060.12 |
| 6.35 | 43 | 70 | 10x20 | 50 | 309.064.11 | 309.064.12 |
| 7 | 43 | 70 | 10x20 | 50 | 309.070.11 | 309.070.12 |
| 7.5 | 43 | 70 | 10x20 | 50 | 309.075.11 | 309.075.12 |
| 8 | 43 | 70 | 10x20 | 50 | 309.080.11 | 309.080.12 |
| 9 | 43 | 70 | 10x20 | 50 | 309.090.11 | 309.090.12 |
| 9.53 | 43 | 70 | 10x20 | 50 | 309.095.11 | 309.095.12 |
| 10 | 43 | 70 | 10x20 | 50 | 309.100.11 | 309.100.12 |
| 11 | 43 | 70 | 10x20 | 10 | 309.110.11 | 309.110.12 |
| 12 | 43 | 70 | 10x20 | 10 | 309.120.11 | 309.120.12 |
| 12.7 | 43 | 70 | 10x20 | 10 | 309.127.11 | 309.127.12 |
| 13 | 43 | 70 | 10x20 | 10 | 309.130.11 | 309.130.12 |
| 14 | 43 | 70 | 10x20 | 10 | 309.140.11 | 309.140.12 |
| 15 | 43 | 70 | 10x20 | 10 | 309.150.11 | 309.150.12 |
| 16 | 43 | 70 | 10x20 | 10 | 309.160.11 | 309.160.12 |

Spare Parts: 990.003.00 — Optional: 990.088.00

**TECHNICAL DETAILS:**
- Premium quality strength steel body.
- High quality HW tip.
- 2 cutting edges [Z2] + 2 negatively ground spurs [V2].
- 4 spiral flutes.
- Centre point.
- Orange or black PTFE coating.
- Parallel shank with driving flat and length adjusting screw.

**APPLICATION:**
for drilling blind holes in solid wood, wood derivatives and laminates.
For use on boring machine equipped with adaptors and/or chucks.

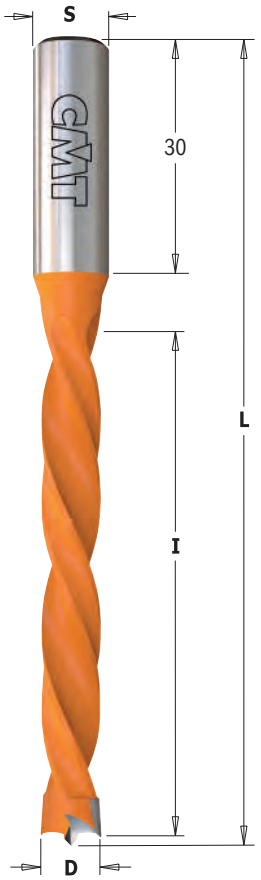



## 373

HW Z2 V2 RH LH

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 5 | 50 | 85 | 10x27 | 50 | **373.050.11** | **373.050.12** |
| 6 | 50 | 85 | 10x27 | 50 | **373.060.11** | **373.060.12** |
| 7 | 50 | 85 | 10x27 | 50 | **373.070.11** | **373.070.12** |
| 8 | 50 | 85 | 10x27 | 50 | **373.080.11** | **373.080.12** |
| 10 | 50 | 85 | 10x27 | 50 | **373.100.11** | **373.100.12** |
| 12 | 50 | 85 | 10x27 | 10 | **373.120.11** | **373.120.12** |

*Spare Parts* 990.003.00 — *Optional* 990.088.00




## 372

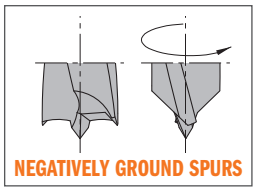
HW Z2 V2 RH LH

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 5 | 65 | 105 | 10x30 | 10 | **372.050.11** | **372.050.12** |
| 6 | 65 | 105 | 10x30 | 10 | **372.060.11** | **372.060.12** |
| 7 | 65 | 105 | 10x30 | 10 | **372.070.11** | **372.070.12** |
| 8 | 65 | 105 | 10x30 | 10 | **372.080.11** | **372.080.12** |
| 10 | 65 | 105 | 10x30 | 10 | **372.100.11** | **372.100.12** |
| 12 | 65 | 105 | 10x30 | 10 | **372.120.11** | **372.120.12** |

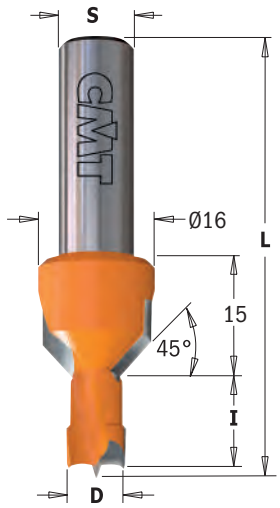
*Spare Parts* 990.003.00 — *Optional* 990.088.00

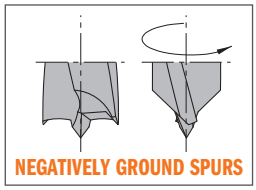
**TECHNICAL DETAILS:**
- Premium quality strength steel body.
- High quality HW tip.
- 2 cutting edges [Z2] + 2 negatively ground spurs [V2].
- 4 spiral flutes.
- Centre point.
- Orange or black PTFE coating.
- Parallel shank with driving flat and length adjusting screw.

**APPLICATION:**
for drilling blind holes in solid wood, wood derivatives and laminates.
For use on boring machine equipped with adaptors and/or chucks.



# Dowel Drills with Countersink




## 376-377

HW Z2 V2 RH LH

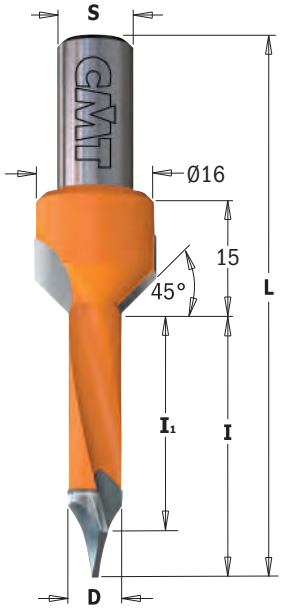
| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 8 | 12 | 57.5 | 10 | 10 | 376.080.11 | 376.080.12 |
| 8 | 13 | 57.5 | 10 | 10 | 376.083.11 | 376.083.12 |
| 8 | 15 | 57.5 | 10 | 10 | 376.081.11 | 376.081.12 |
| 8 | 20 | 57.5 | 10 | 10 | 376.082.11 | 376.082.12 |
| 10 | 12 | 57.5 | 10 | 10 | 376.100.11 | 376.100.12 |
| 10 | 13 | 57.5 | 10 | 10 | 376.103.11 | 376.103.12 |
| 10 | 15 | 57.5 | 10 | 10 | 376.101.11 | 376.101.12 |
| 10 | 20 | 57.5 | 10 | 10 | 376.102.11 | 376.102.12 |
| | | | | | | |
| 8 | 12 | 70 | 10 | 10 | 377.080.11 | 377.080.12 |
| 8 | 13 | 70 | 10 | 10 | 377.083.11 | 377.083.12 |
| 8 | 15 | 70 | 10 | 10 | 377.081.11 | 377.081.12 |
| 8 | 20 | 70 | 10 | 10 | 377.082.11 | 377.082.12 |
| 10 | 12 | 70 | 10 | 10 | 377.100.11 | 377.100.12 |
| 10 | 13 | 70 | 10 | 10 | 377.103.11 | 377.103.12 |
| 10 | 15 | 70 | 10 | 10 | 377.101.11 | 377.101.12 |
| 10 | 20 | 70 | 10 | 10 | 377.102.11 | 377.102.12 |

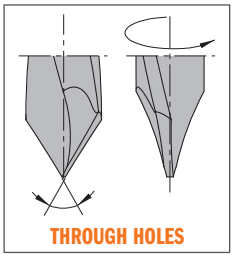
**TECHNICAL DETAILS:**
- Premium quality strength steel body.
- High quality HW tip.
- 2 cutting edges [Z2] + 2 negatively ground spurs [V2].
- 2 spiral flutes.
- Centre point.
- 2 countersink HW cutting edges [Z2] at 45°.
- Orange or black PTFE coating.
- Parallel shank with driving flat and length adjusting screw.

Spare Parts: 990.003.00 — Optional: 990.088.00

**APPLICATION:**
For drilling (blind holes) and countersinking in solid wood, wood derivatives and laminates.
For use on boring machine equipped with adaptors and/or chucks.

# Dowel Drills for Through Holes with Countersink




## 378

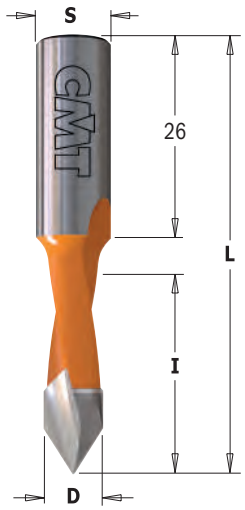
HW Z2 V2 RH LH

| D mm | I mm | $I_1$ mm | L mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|---|
| 5 | 35 | 31 | 70 | 10 | 10 | 378.052.11 | 378.052.12 |
| 7 | 35 | 29.5 | 70 | 10 | 10 | 378.072.11 | 378.072.12 |
| 8 | 35 | 29 | 70 | 10 | 10 | 378.082.11 | 378.082.12 |
| 10 | 35 | 26.5 | 70 | 10 | 10 | 378.102.11 | 378.102.12 |

**TECHNICAL DETAILS:**
- Premium quality strength steel body.
- High quality HW tip.
- 2 cutting edges [Z2].
- 2 spiral flutes.
- 2 countersink HW cutting edges [Z2] at 45°.
- Orange or black PTFE coating.
- Parallel shank with driving flat and adjustable screw length.

Spare Parts: 990.003.00 — Optional: 990.088.00

**APPLICATION:**
for drilling and countersinking in solid wood, wood derivatives and laminates.
For use on boring machine equipped with adaptors and/or chucks.

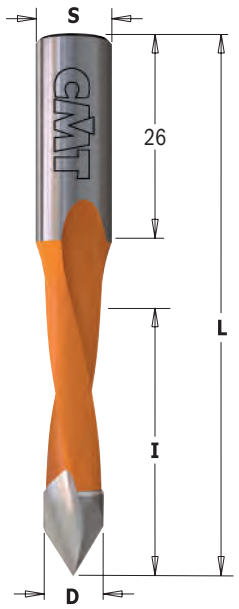



## 313 FOR PANELS WITH MAXIMUM THICKNESS: 20mm

HW Z2 RH LH

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 5 | 27 | 57.5 | 10x26 | 50 | **313.050.11** | **313.050.12** |
| 6 | 27 | 57.5 | 10x26 | 50 | **313.060.11** | **313.060.12** |
| 8 | 27 | 57.5 | 10x26 | 50 | **313.080.11** | **313.080.12** |
| 10 | 27 | 57.5 | 10x26 | 50 | **313.100.11** | **313.100.12** |

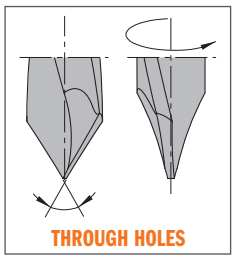
Spare Parts 990.003.00 — Optional 990.088.00




## 314 FOR PANELS WITH MAXIMUM THICKNESS: 25-30mm

HW Z2 RH LH

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 4 | 30 | 70 | 10x26 | 50 | **314.040.11** | **314.040.12** |
| 4.76 | 35 | 70 | 10x26 | 50 | **314.047.11** | **314.047.12** |
| 5 | 35 | 70 | 10x26 | 50 | **314.050.11** | **314.050.12** |
| 5.55 | 35 | 70 | 10x26 | 50 | **314.055.11** | **314.055.12** |
| 6 | 35 | 70 | 10x26 | 50 | **314.060.11** | **314.060.12** |
| 6.35 | 35 | 70 | 10x26 | 50 | **314.064.11** | **314.064.12** |
| 7 | 35 | 70 | 10x26 | 50 | **314.070.11** | **314.070.12** |
| 8 | 35 | 70 | 10x26 | 50 | **314.080.11** | **314.080.12** |
| 9 | 35 | 70 | 10x26 | 50 | **314.090.11** | **314.090.12** |
| 9.53 | 35 | 70 | 10x26 | 50 | **314.095.11** | **314.095.12** |
| 10 | 35 | 70 | 10x26 | 50 | **314.100.11** | **314.100.12** |
| 12 | 35 | 70 | 10x26 | 10 | **314.120.11** | **314.120.12** |
| 12.7 | 35 | 70 | 10x26 | 10 | **314.127.11** | **314.127.12** |




## 366 FOR PANELS WITH MAXIMUM THICKNESS: 30-40mm

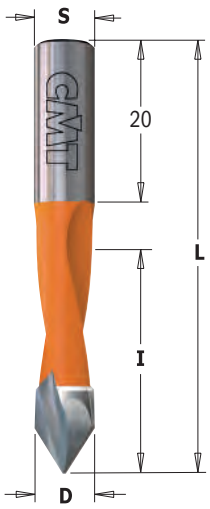
| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 5 | 44 | 77 | 10x26 | 50 | **366.050.11** | **366.050.12** |
| 6 | 44 | 77 | 10x26 | 50 | **366.060.11** | **366.060.12** |
| 8 | 44 | 77 | 10x26 | 50 | **366.080.11** | **366.080.12** |
| 10 | 44 | 77 | 10x26 | 50 | **366.100.11** | **366.100.12** |
| 12 | 44 | 77 | 10x26 | 10 | **366.120.11** | **366.120.12** |

**TECHNICAL DETAILS:**
- Premium quality strength steel body.
- High quality HW tip.
- 2 cutting edges [Z2].
- 2 spiral flutes.
- Orange or black PTFE coating.
- Parallel shank with driving flat and adjustable screw length.

Spare Parts 990.003.00 — Optional 990.088.00

**APPLICATION:**
for drilling through holes in solid wood, wood derivatives and laminates.
For use on boring machine equipped with adaptors and/or chucks.

# 2 Flute Dowel Drills for Through Holes




HW Z2 RH LH

## 367 FOR PANELS WITH MAXIMUM THICKNESS: 20-25mm

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 5 | 30 | 56 | 8x20 | 50 | **367.050.11** | **367.050.12** |
| 8 | 30 | 56 | 8x20 | 50 | **367.080.11** | **367.080.12** |

## 368 FOR PANELS WITH MAXIMUM THICKNESS: 35-40mm

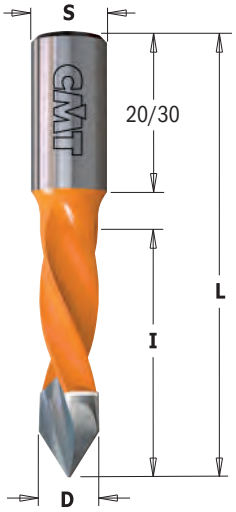
| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 5 | 43 | 70 | 8x20 | 50 | **368.050.11** | **368.050.12** |
| 6 | 43 | 70 | 8x20 | 50 | **368.060.11** | **368.060.12** |
| 7 | 43 | 70 | 8x20 | 50 | **368.070.11** | **368.070.12** |
| 8 | 43 | 70 | 8x20 | 50 | **368.080.11** | **368.080.12** |

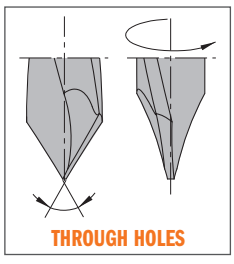
**TECHNICAL DETAILS:**
- Premium quality strength steel body.
- High quality HW tip.
- 2 cutting edges [Z2].
- 2 spiral flutes.
- Orange or black PTFE coating.
- Parallel shank with driving flat and adjustable screw length.

Spare Parts 990.003.00 — Optional 990.088.00

**APPLICATION:**
for drilling through holes in solid wood, wood derivatives and laminates.
For use on boring machine equipped with adaptors and/or chucks.

# 4 Flute Dowel Drills for Through Holes




HW Z2 RH LH

## 374 FOR PANELS WITH MAXIMUM THICKNESS: 20-25mm

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 5 | 30 | 57.5 | 10x20 | 50 | **374.050.11** | **374.050.12** |
| 8 | 30 | 57.5 | 10x20 | 50 | **374.080.11** | **374.080.12** |

## 375 FOR PANELS WITH MAXIMUM THICKNESS: 30-35mm

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 4 | 40 | 70 | 10x20 | 50 | **375.040.11** | **375.040.12** |
| 5 | 40 | 70 | 10x20 | 50 | **375.050.11** | **375.050.12** |
| 6 | 40 | 70 | 10x20 | 50 | **375.060.11** | **375.060.12** |
| 7 | 40 | 70 | 10x20 | 50 | **375.070.11** | **375.070.12** |
| 8 | 40 | 70 | 10x20 | 50 | **375.080.11** | **375.080.12** |
| 9 | 40 | 70 | 10x20 | 50 | **375.090.11** | **375.090.12** |
| 10 | 40 | 70 | 10x20 | 50 | **375.100.11** | **375.100.12** |

## 381 FOR PANELS WITH MAXIMUM THICKNESS: 60-65mm

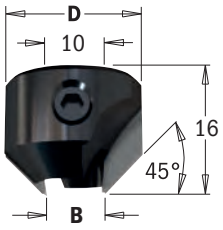
| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 5 | 70 | 115 | 10x30 | 10 | **381.050.11** | **381.050.12** |
| 6 | 70 | 115 | 10x30 | 10 | **381.060.11** | **381.060.12** |
| 8 | 70 | 115 | 10x30 | 10 | **381.080.11** | **381.080.12** |
| 10 | 70 | 115 | 10x30 | 10 | **381.100.11** | **381.100.12** |

**TECHNICAL DETAILS:**
- Premium quality strength steel body.
- High quality HW tip.
- 2 cutting edges [Z2].
- 4 spiral flutes.
- Orange or black PTFE coating.
- Parallel shank with driving flat and adjustable screw length.

Spare Parts 990.003.00 — Optional 990.088.00

**APPLICATION:**
for drilling through holes in solid wood, wood derivatives and laminates.
For use on boring machine equipped with adaptors and/or chucks.

# Countersinks for 2 Flutes Dowel Drills




## 315

HW Z2 RH LH

| B mm | D mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|
| 5 ~ 10 | 20 | 10 | 315.200.11 | 315.200.12 |
| 11 ~ 12 | 22 | 10 | 315.220.11 | 315.220.12 |

Spare Parts

990.006.00

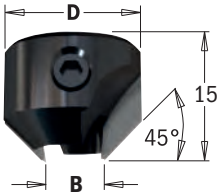
991.062.00

**TECHNICAL DETAILS:**
- Strength steel.
- 2 countersink HW cutting edges [Z2] at 45°.
- Direct clamp on the shank of the 2 flutes drills.
- Fastening screw for quick and easy drill bit change.

**APPLICATION:**
for chamfering in solid wood, wood derivatives and laminates.

## 315 ASSEMBLY ILLUSTRATION

# Countersinks for 4 Flutes Dowel Drills




## 316

HW Z2 RH LH

| B mm | D mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|
| 4 | 16 | 10 | 316.040.11 | 316.040.12 |
| 5 | 16 | 10 | 316.050.11 | 316.050.12 |
| 6 | 16 | 10 | 316.060.11 | 316.060.12 |
| 7 | 16 | 10 | 316.070.11 | 316.070.12 |
| 8 | 18 | 10 | 316.080.11 | 316.080.12 |
| 9 | 18 | 10 | 316.090.11 | 316.090.12 |
| 10 | 20 | 10 | 316.100.11 | 316.100.12 |
| 12 | 20 | 10 | 316.120.11 | 316.120.12 |

Spare Parts

990.002.00

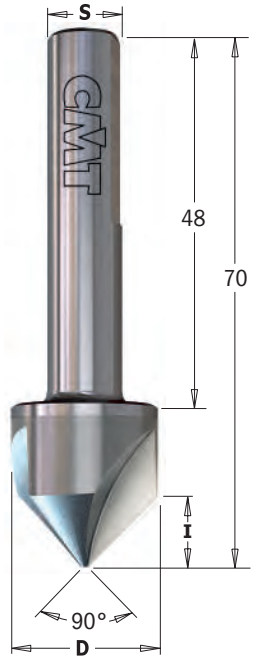
991.062.00

**TECHNICAL DETAILS:**
- Strength steel.
- 2 countersink HW cutting edges [Z2] at 45°.
- Direct clamp on the shank of the 4 flutes drills.
- Fastening screw for quick and easy drill bit change.

**APPLICATION:**
for chamfering in solid wood, wood derivatives and laminates.

## 316 ASSEMBLY ILLUSTRATION

# 90° Solid Carbide Countersink with Driving Flat




## 521

HWM Z3 RH

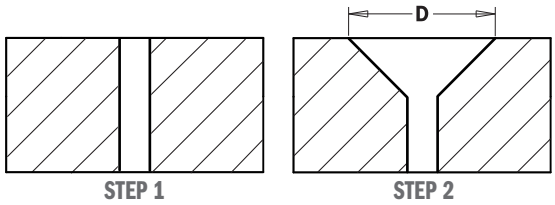
| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | |
|---|---|---|---|---|---|---|
| 19.5 | 9 | 70 | 10x48 | 10 | 521.002.21 | |

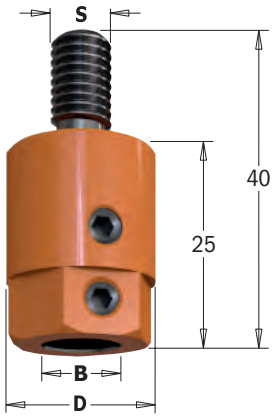
Spare Parts

990.003.00

**TECHNICAL DETAILS:**
- Premium quality strength steel body.
- High quality HW tip.
- 3 cutting edges [Z3] at 90°.
- Parallel shank with driving flat.

**APPLICATION:**
for making 90° countersinks for the insertion of screws that sit flush with the surface.
Suitable for wood, wood-based, non-ferrous materials and metal.






## 301

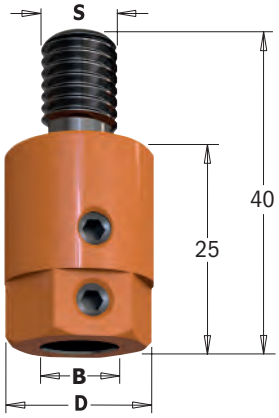
RH LH

| B mm | D mm | S mm | | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 8 | 16 | M8 | | 10 | 301.080.01 | 301.080.02 |
| 10 | 19.5 | M8 | | 10 | 301.000.01 | 301.000.02 |

**FOR USE ON THE FOLLOWING MACHINES:**
NOTTMEYER® (older models).

*Spare Parts*

| | |
|---|---|
| 990.006.00 | 991.062.00 |




## 302

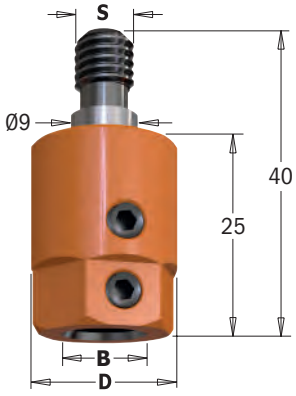
RH LH

| B mm | D mm | S mm | | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 8 | 16 | M10 | | 10 | 302.080.01 | 302.080.02 |
| 10 | 19.5 | M10 | | 10 | 302.000.01 | 302.000.02 |

**FOR USE ON THE FOLLOWING MACHINES:**
AYEN®, HOLZMA®, KNOEVENAGEL®, MAYER®, TORWEGGE®.

*Spare Parts*

| | |
|---|---|
| 990.006.00 | 991.062.00 |




## 358

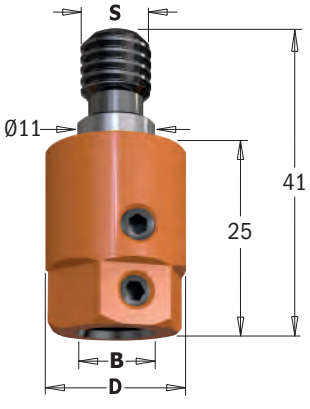
RH LH

| B mm | D mm | S mm | | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 8 | 16 | M8/9 | | 10 | 358.080.01 | 358.080.02 |
| 10 | 19.5 | M8/9 | | 10 | 358.000.01 | 358.000.02 |

**FOR USE ON THE FOLLOWING MACHINES:**
MASTERWOOD® (Zangheri & Boschetti).
MORBIDELLI®, NOTTMEYER® (new design).

*Spare Parts*

| | |
|---|---|
| 990.006.00 | 991.062.00 |




## 305

RH LH

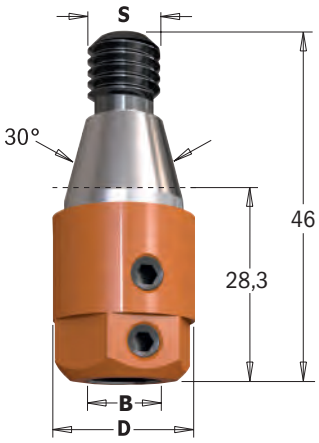
| B mm | D mm | S mm | | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 8 | 16 | M10/11 | | 10 | 305.080.01 | 305.080.02 |
| 10 | 19.5 | M10/11 | | 10 | 305.000.01 | 305.000.02 |

**FOR USE ON THE FOLLOWING MACHINES:**
BIESSE® (older models).
MASTERWOOD® (Zangheri & Boschetti).
MORBIDELLI®, TORWEGGE®, VITAP® (new design).
WEEKE®.

*Spare Parts*

| | |
|---|---|
| 990.006.00 | 991.062.00 |

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)




## 303

RH LH

| B mm | D mm | S mm | | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 10 | 19.5 | M10/30° | | 10 | **303.000.01** | **303.000.02** |

**FOR USE ON THE FOLLOWING MACHINES:**
ALBERTI® (older models).
BALESTRINI®, BILEK®, BUSELLATO® (older models).
SCHLEICHER®, VITAP® (older models).

*Spare Parts*

| | |
|---|---|
| 990.006.00 | 991.062.00 |

## 359

RH LH

| B mm | D mm | S mm | | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 10 | 19.5 | M10 | | 10 | **359.000.01** | **359.000.02** |

**FOR USE ON THE FOLLOWING MACHINES:**
SCHEER®.

*Spare Parts*

| | |
|---|---|
| 990.006.00 | 991.062.00 |

## 359

RH

| B mm | D mm | S mm | | | ORDER NO. Right-hand rotation | |
|---|---|---|---|---|---|---|
| 10 | 19.5 | 10x35 | | 10 | **359.100.00** | |

For use on boring machine centres.

*Spare Parts*

| | |
|---|---|
| 990.006.00 | 991.062.00 |

## 360.001

RH LH

| B mm | D2 mm | D mm | | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 10 | 20 | 15 | | 10 | **360.001.01** | **360.001.02** |

**FOR USE ON THE FOLLOWING MACHINES:**
BIESSE® machines with quick drill change chuck.

*Spare Parts*

| | |
|---|---|
| 990.007.00 | 991.067.00 |



® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

## 360.101

| B mm | D2 mm | D mm | | | ORDER NO. Right-hand & Left-hand rotation |
|---|---|---|---|---|---|
| 10 | 17.5 | 18 | | 10 | **360.101.00** |

**FOR USE ON THE FOLLOWING MACHINES:**
VITAP®.

*Spare Parts*

990.015.00

991.062.00

## 360.201

| B mm | D2 mm | D mm | | | ORDER NO. Right-hand & Left-hand rotation |
|---|---|---|---|---|---|
| 10 | 19.5 | 20 | | 10 | **360.201.00** |

**FOR USE ON THE FOLLOWING MACHINES:**
MORBIDELLI®.

*Spare Parts*

990.009.00

991.067.00

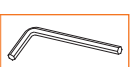
## 360.301

| B mm | D2 mm | D mm | | | ORDER NO. Right-hand & Left-hand rotation |
|---|---|---|---|---|---|
| 10 | 19.5 | 20 | | 10 | **360.301.00** |

**FOR USE ON THE FOLLOWING MACHINES:**
MASTERWOOD®, MAGGI®, FELDER®, GRIGGIO®.

*Spare Parts*

990.015.00


991.062.00

## 360.401

| B mm | D2 mm | D mm | | | ORDER NO. Right-hand & Left-hand rotation |
|---|---|---|---|---|---|
| 10 | 20 | 17 | | 10 | **360.401.00** |

**FOR USE ON THE FOLLOWING MACHINES:**
WEEKE®.

*Spare Parts*

990.009.00

991.067.00

## 990.088

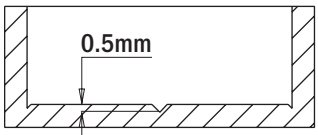
| DESCRIPTION | | ORDER NO. Right-hand & Left-hand rotation |
|---|---|---|
| Retaining screw with blue threadlocker for WEEKE® machines | 10 | **990.088.00** |

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

# Maximize Your HINGE BORING'S Performance

| HINGE BORING RANGE | DP | XTREME | INDUSTRIAL | |
|---|---|---|---|---|
| PERFORMANCE | ★★★★★ | ★★★★ | ★★★ | |
| | | | | |
| FEATURES | **0.5MM HW CENTRE POINT**<br>Non-protruding center-point and spurs make this tool perfect for low-thickness panels. | **0.8MM HW CENTRE POINT**<br>Non-protruding center-point and spurs make this tool perfect for low-thickness panels. | **1MM HW CENTRE POINT**<br><br>**CHIPBREAKER**<br>Ensure better chip evacuation | **1MM HW CENTRE POINT** |
| SHARPENING | **NEGATIVELY GROUND SPURS**<br>Standard design head with 2 DP ground cutting edges + 2 DP negatively ground spurs. | **XTREME SHARPENING CURVED SPURS**<br>Specially designed with curved spurs provide impeccable finishing during high-speed drilling feed operations.<br> | **NEGATIVELY GROUND SPURS**<br>Standard design head with 2 HW ground cutting edges + 2 HW negatively ground spurs. | |
| DIAMOND/ CARBIDE | PCD DP 20X LONGER LIFE THAN CARBIDE<br>**POLYCRYSTALLINE DIAMOND**<br>The polycrystalline diamond increases tool life up to 20 times longer than HW hinge bits. Good number of resharpenings guaranteed. The best quality/price ratio. | HW<br>**INDUSTRIAL CHROMIUM MICROGRAIN CARBIDE**<br>Premium quality, tungsten carbide tip produces clean bores with no rough edges. Guarantees exceptional resistance to fatigue and abrasion and allows for an infinite number of resharpenings. | HW<br>**INDUSTRIAL SINTERHIP HI-DENSITY CARBIDE**<br>The tip is made of high quality carbide enhanced via Sinterhip (hot isostatic pressing). This process guarantees long lasting performance and exceptionally clean bores. | |
| COATING | CORROSION FREE NICKEL COATING<br>**NICKEL COATING**<br>High-quality nickel-plated with anti-friction and anti-corrosion properties. | NON-STICK ORANGE SHIELD COATING<br>**ORANGE SHIELD® NON-STICK PTFE COATING**<br>- Protects against corrosion and rust.<br>- Reduces resin and residue build-up.<br>- Reduces overheating and blade drag.<br>- Improves performance and cutting life. | | |
| MATERIALS APPLICATION | Ideal for chipboard, MDF, HDF, laminates and abrasive panels in which long service life is imperative. | Ideal for chipboard, MDF, HDF and laminates. | Excellent for both hard and soft wood. Great for chipboard, MDF, HDF and laminates. | |
| DESCRIPTION | Designed for heavy duty drilling in large-scale industrial manufacturing ensuring very high impact resistance and superb durability. | Designed for heavy-duty to medium-duty drilling in large-scale to medium-scale industrial manufacturing ensuring high impact resistance and greater durability. | Designed for medium-duty to light-duty drilling in medium-scale to small-scale industrial manufacturing ensuring good impact resistance and good durability. | |
| USER | LARGE-SCALE INDUSTRIAL MANUFACTURING | LARGE-SCALE INDUSTRIAL MANUFACTURING | MEDIUM-SCALE TO SMALL-SCALE INDUSTRIAL MANUFACTURING | |
| RECOMMENDED USE | INDUSTRIAL PRODUCTION | INDUSTRIAL PRODUCTION | INDUSTRIAL PRODUCTION/CABINETMAKER'S | |

# DP - Hinge Boring Bits - LONG LIFE




New construction with
0.5mm centre point

## 317

PCD DP | Z2 | V2 | RH | LH

| D mm | L mm | S mm | | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 15 | 57.5 | 10x25 | | 10 | 317.150.61 | 317.150.62 |
| 35 | 57.5 | 10x25 | | 10 | 317.350.61 | 317.350.62 |

## 369

| D mm | L mm | S mm | | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 15 | 70 | 10x25 | | 10 | 369.150.61 | 369.150.62 |
| 16 | 70 | 10x25 | | 10 | 369.160.61 | 369.160.62 |
| 20 | 70 | 10x25 | | 10 | 369.200.61 | 369.200.62 |
| 25 | 70 | 10x25 | | 10 | 369.250.61 | 369.250.62 |
| 26 | 70 | 10x25 | | 10 | 369.260.61 | 369.260.62 |
| 35 | 70 | 10x25 | | 10 | 369.350.61 | 369.350.62 |

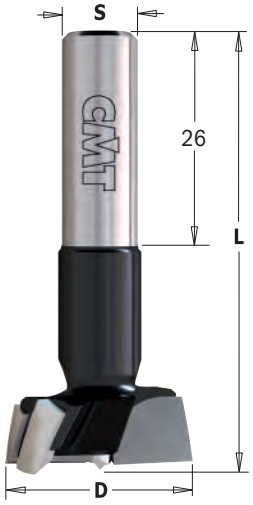
**TECHNICAL DETAILS:**
- Premium quality strength steel.
- HW centre point 0.5mm.
- 2 DP ground cutting edges [Z2] + 2 DP negatively ground spurs [V2].
- Parallel shank with driving flat and length adjusting screw.

Spare Parts: 990.003.00 — Optional: 990.088.00

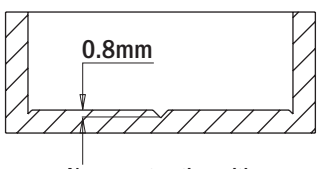
**APPLICATION:**
use for drilling accurate and clean-cut blind holes in wood composites, plastic and laminated materials.
**Ideal for hinges.** For use on boring machine equipped with adaptors and/or chucks.
Boring performance 20 times longer than HW materials.

**REMARK:** *special dimensions available on request.*

# Hinge Boring Bits




XTREME SHARPENING
CURVED SPURS




New construction with
0.8mm centre point

## 317 XTREME

HW | Z2 | V2 | RH | LH

| D mm | L mm | S mm | | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 15 | 57.5 | 10x26 | | 10 | 317.150.41 | 317.150.42 |
| 18 | 57.5 | 10x26 | | 10 | 317.180.41 | 317.180.42 |
| 20 | 57.5 | 10x26 | | 10 | 317.200.41 | 317.200.42 |
| 25 | 57.5 | 10x26 | | 10 | 317.250.41 | 317.250.42 |
| 26 | 57.5 | 10x26 | | 10 | 317.260.41 | 317.260.42 |
| 35* | 57.5 | 10x26 | | 10 | 317.350.41 | 317.350.42 |

## 369 XTREME

HW | Z2 | V2 | RH | LH

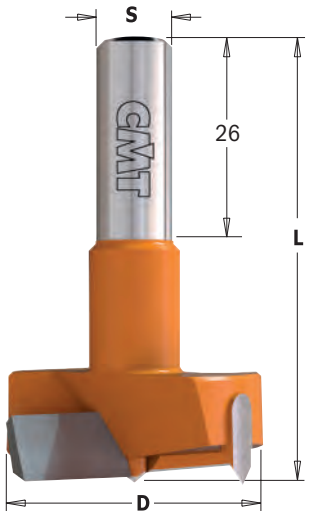
| D mm | L mm | S mm | | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 15 | 70 | 10x26 | | 10 | 369.150.41 | 369.150.42 |
| 18 | 70 | 10x26 | | 10 | 369.180.41 | 369.180.42 |
| 20 | 70 | 10x26 | | 10 | 369.200.41 | 369.200.42 |
| 25 | 70 | 10x26 | | 10 | 369.250.41 | 369.250.42 |
| 26 | 70 | 10x26 | | 10 | 369.260.41 | 369.260.42 |
| 35* | 70 | 10x26 | | 10 | 369.350.41 | 369.350.42 |

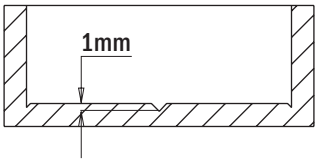
*with chipbreaker

Spare Parts: 990.003.00 — Optional: 990.088.00

**TECHNICAL DETAILS:**
- Premium quality strength steel.
- Centre point 0.8mm.
- 2 ground cutting edges [Z2] + 2 negatively ground spurs [V2].
- Orange or black PTFE coating.
- Parallel shank with driving flat and length adjusting screw.

**APPLICATION:**
use for drilling accurate and clean-cut blind holes in wood composites, plastic and laminated materials.
**Ideal for hinges.** For use on boring machine equipped with adaptors and/or chucks.




New construction with
1mm centre point.

## 317

HW Z2 V2 RH LH

| D mm | L mm | S mm | | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 14 | 57.5 | 10x26 | | 10 | 317.140.11 | 317.140.12 |
| 15 | 57.5 | 10x26 | | 10 | 317.150.11 | 317.150.12 |
| 16 | 57.5 | 10x26 | | 10 | 317.160.11 | 317.160.12 |
| 17 | 57.5 | 10x26 | | 10 | 317.170.11 | 317.170.12 |
| 18 | 57.5 | 10x26 | | 10 | 317.180.11 | 317.180.12 |
| 19 | 57.5 | 10x26 | | 10 | 317.190.11 | 317.190.12 |
| 20 | 57.5 | 10x26 | | 10 | 317.200.11 | 317.200.12 |
| 22 | 57.5 | 10x26 | | 10 | 317.220.11 | 317.220.12 |
| 24 | 57.5 | 10x26 | | 10 | 317.240.11 | 317.240.12 |
| 25 | 57.5 | 10x26 | | 10 | 317.250.11 | 317.250.12 |
| 26 | 57.5 | 10x26 | | 10 | 317.260.11 | 317.260.12 |
| 28 | 57.5 | 10x26 | | 10 | 317.280.11 | 317.280.12 |
| 30 | 57.5 | 10x26 | | 10 | 317.300.11 | 317.300.12 |
| 32 | 57.5 | 10x26 | | 10 | 317.320.11 | 317.320.12 |
| 34 | 57.5 | 10x26 | | 10 | 317.340.11 | 317.340.12 |
| 35 | 57.5 | 10x26 | | 10 | 317.350.11 | 317.350.12 |
| 38 | 57.5 | 10x26 | | 10 | 317.380.11 | 317.380.12 |
| 40 | 57.5 | 10x26 | | 10 | 317.400.11 | 317.400.12 |
| 42 | 57.5 | 10x26 | | 10 | 317.420.11 | 317.420.12 |
| 45 | 57.5 | 10x26 | | 10 | 317.450.11 | 317.450.12 |
| 50 | 57.5 | 10x26 | | 10 | 317.500.11 | 317.500.12 |
| 55 | 57.5 | 10x26 | | 10 | 317.550.11 | 317.550.12 |
| 60 | 57.5 | 10x26 | | 10 | 317.600.11 | 317.600.12 |

**TECHNICAL DETAILS:**
- Premium quality strength steel.
- Centre point 1mm.
- 2 ground cutting edges [Z2] + 2 negatively ground spurs [V2].
- Orange or black PTFE coating.
- Parallel shank with driving flat and length adjusting screw.

**APPLICATION:**
use for drilling accurate and clean-cut blind holes in wood composites, plastic and laminated materials.
**Ideal for hinges.** For use on boring machine equipped with adaptors and/or chucks.

## 369

HW Z2 V2 RH LH

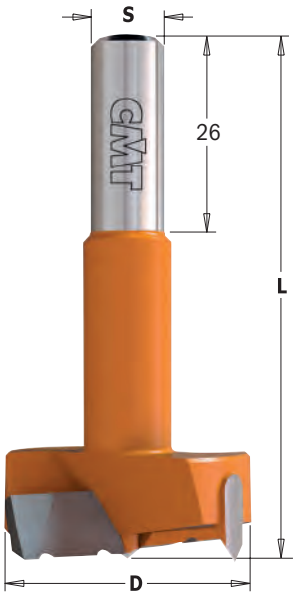
| D mm | L mm | S mm | | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 14 | 70 | 10x26 | | 10 | 369.140.11 | 369.140.12 |
| 15 | 70 | 10x26 | | 10 | 369.150.11 | 369.150.12 |
| 16 | 70 | 10x26 | | 10 | 369.160.11 | 369.160.12 |
| 18 | 70 | 10x26 | | 10 | 369.180.11 | 369.180.12 |
| 20 | 70 | 10x26 | | 10 | 369.200.11 | 369.200.12 |
| 22 | 70 | 10x26 | | 10 | 369.220.11 | 369.220.12 |
| 25 | 70 | 10x26 | | 10 | 369.250.11 | 369.250.12 |
| 26 | 70 | 10x26 | | 10 | 369.260.11 | 369.260.12 |
| 30 | 70 | 10x26 | | 10 | 369.300.11 | 369.300.12 |
| 35 | 70 | 10x26 | | 10 | 369.350.11 | 369.350.12 |
| 40 | 70 | 10x26 | | 10 | 369.400.11 | 369.400.12 |
| 45 | 70 | 10x26 | | 10 | 369.450.11 | 369.450.12 |
| 50 | 70 | 10x26 | | 10 | 369.500.11 | 369.500.12 |
| 55 | 70 | 10x26 | | 10 | 369.550.11 | 369.550.12 |
| 60 | 70 | 10x26 | | 10 | 369.600.11 | 369.600.12 |

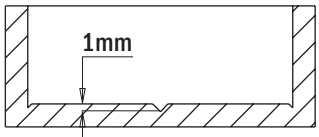
## 370

HW Z2 V2 RH LH

| D mm | L mm | S mm | | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 18 | 77 | 10x30 | | 10 | 370.180.11 | 370.180.12 |
| 20 | 77 | 10x30 | | 10 | 370.200.11 | 370.200.12 |
| 25 | 77 | 10x30 | | 10 | 370.250.11 | 370.250.12 |
| 30 | 77 | 10x30 | | 10 | 370.300.11 | 370.300.12 |
| 35 | 77 | 10x30 | | 10 | 370.350.11 | 370.350.12 |

Spare Parts 990.003.00 | Optional 990.088.00




New construction with
1mm centre point.

## 317C

HW Z2R V2 RH LH

| D mm | L mm | S mm | | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 35 | 57.5 | 10x26 | | 10 | **317.350.11C** | **317.350.12C** |
| 40 | 57.5 | 10x26 | | 10 | **317.400.11C** | **317.400.12C** |
| 45 | 57.5 | 10x26 | | 10 | **317.450.11C** | **317.450.12C** |

## 369C

HW Z2R V2 RH LH

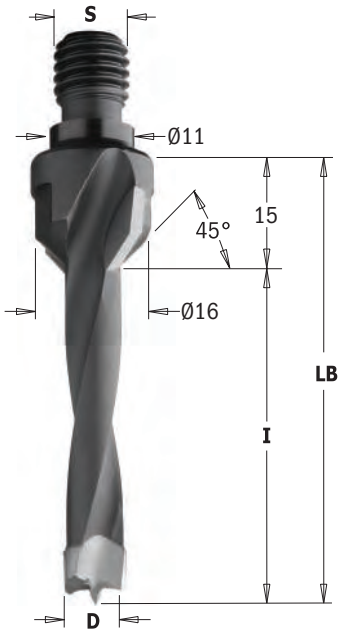
| D mm | L mm | S mm | | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 35 | 70 | 10x26 | | 10 | **369.350.11C** | **369.350.12C** |
| 40 | 70 | 10x26 | | 10 | **369.400.11C** | **369.400.12C** |
| 45 | 70 | 10x26 | | 10 | **369.450.11C** | **369.450.12C** |

**TECHNICAL DETAILS:**
- Premium quality strength steel.
- Centre point 1mm.
- 2 ground cutting edges with chipbreaker [Z2R] + 2 negatively ground spurs [V2].
- Orange or black PTFE coating.
- Parallel shank with driving flat and length adjusting screw.

| Spare Parts | Optional |
|---|---|
| 990.003.00 | 990.088.00 |

**APPLICATION:**
use for drilling accurate and clean-cut blind holes in wood composites, plastic and laminated materials.
**Ideal for hinges.** For use on boring machine equipped with adaptors and/or chucks.

# Dowel Drills with Threaded Shank with Countersink




## 325-327-329-330

HW Z2 V2 RH LH

| D mm | I mm | LB mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 5 | 20 | 35 | M10/11x4 | 10 | **325.050.11** | **325.050.12** |
| 6 | 20 | 35 | M10/11x4 | 10 | **325.060.11** | **325.060.12** |
| 8 | 20 | 35 | M10/11x4 | 10 | **325.080.11** | **325.080.12** |
| 10 | 20 | 35 | M10/11x4 | 10 | **325.100.11** | **325.100.12** |
| 12 | 20 | 35 | M10/11x4 | 10 | **325.120.11** | **325.120.12** |
| | | | | | | |
| 5 | 30 | 45 | M10/11x4 | 10 | **327.050.11** | **327.050.12** |
| 6 | 30 | 45 | M10/11x4 | 10 | **327.060.11** | **327.060.12** |
| 8 | 30 | 45 | M10/11x4 | 10 | **327.080.11** | **327.080.12** |
| 10 | 30 | 45 | M10/11x4 | 10 | **327.100.11** | **327.100.12** |
| 12 | 30 | 45 | M10/11x4 | 10 | **327.120.11** | **327.120.12** |
| | | | | | | |
| 5 | 40 | 55 | M10/11x4 | 10 | **329.050.11** | **329.050.12** |
| 6 | 40 | 55 | M10/11x4 | 10 | **329.060.11** | **329.060.12** |
| 8 | 40 | 55 | M10/11x4 | 10 | **329.080.11** | **329.080.12** |
| 10 | 40 | 55 | M10/11x4 | 10 | **329.100.11** | **329.100.12** |
| 12 | 40 | 55 | M10/11x4 | 10 | **329.120.11** | **329.120.12** |
| | | | | | | |
| 5 | 50 | 65 | M10/11x4 | 10 | **330.050.11** | **330.050.12** |
| 6 | 50 | 65 | M10/11x4 | 10 | **330.060.11** | **330.060.12** |
| 8 | 50 | 65 | M10/11x4 | 10 | **330.080.11** | **330.080.12** |
| 10 | 50 | 65 | M10/11x4 | 10 | **330.100.11** | **330.100.12** |
| 12 | 50 | 65 | M10/11x4 | 10 | **330.120.11** | **330.120.12** |

**TECHNICAL DETAILS:**
- Premium quality strength steel body.
- High quality HW tip.
- 2 cutting edges [Z2] + 2 negatively ground spurs [V2].
- 2 spiral flutes.
- Centre point.
- 2 countersink cutting edges at 45°.
- Orange or black PTFE coating.

**APPLICATION:**
for drilling blind holes in solid wood, wood composites, plastic and laminated materials. For use on boring machines equipped with chucks.

# Dowel Drills with Threaded Shank without Countersink

## 338-339-340

HW Z2 V2 RH LH

| D mm | I mm | LB mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 5 | 30 | 45 | M10/11x4 | 10 | **338.050.11** | **338.050.12** |
| 6 | 30 | 45 | M10/11x4 | 10 | **338.060.11** | **338.060.12** |
| 8 | 30 | 45 | M10/11x4 | 10 | **338.080.11** | **338.080.12** |
| 10 | 30 | 45 | M10/11x4 | 10 | **338.100.11** | **338.100.12** |
| 12 | 30 | 45 | M10/11x4 | 10 | **338.120.11** | **338.120.12** |
| | | | | | | |
| 5 | 40 | 55 | M10/11x4 | 10 | **339.050.11** | **339.050.12** |
| 6 | 40 | 55 | M10/11x4 | 10 | **339.060.11** | **339.060.12** |
| 8 | 40 | 55 | M10/11x4 | 10 | **339.080.11** | **339.080.12** |
| 10 | 40 | 55 | M10/11x4 | 10 | **339.100.11** | **339.100.12** |
| 12 | 40 | 55 | M10/11x4 | 10 | **339.120.11** | **339.120.12** |
| | | | | | | |
| 5 | 50 | 65 | M10/11x4 | 10 | **340.050.11** | **340.050.12** |
| 6 | 50 | 65 | M10/11x4 | 10 | **340.060.11** | **340.060.12** |
| 8 | 50 | 65 | M10/11x4 | 10 | **340.080.11** | **340.080.12** |
| 10 | 50 | 65 | M10/11x4 | 10 | **340.100.11** | **340.100.12** |
| 12 | 50 | 65 | M10/11x4 | 10 | **340.120.11** | **340.120.12** |

**TECHNICAL DETAILS:**
- Premium quality strength steel body.
- High quality HW tip.
- 2 cutting edges [Z2] + 2 negatively ground spurs [V2].
- 4 spiral flutes.
- Centre point.
- Orange or black PTFE coating.

**APPLICATION:**
for drilling blind holes in solid wood, wood composites, plastic and laminated materials. For use on boring machines equipped with chucks.

## 344

HW Z2 V2 RH LH

| D mm | I mm | LB mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 5 | 43 | 63 | M8 | 10 | 344.050.11 | 344.050.12 |
| 6 | 43 | 63 | M8 | 10 | 344.060.11 | 344.060.12 |
| 8 | 43 | 63 | M8 | 10 | 344.080.11 | 344.080.12 |
| 10 | 43 | 63 | M8 | 10 | 344.100.11 | 344.100.12 |
| 12 | 43 | 63 | M8 | 10 | 344.120.11 | 344.120.12 |

**FOR USE ON THE FOLLOWING MACHINES:**
NOTTMEYER® (older models)

## 346

HW Z2 V2 RH LH

| D mm | I mm | LB mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 5 | 43 | 63 | M10 | 10 | 346.050.11 | 346.050.12 |
| 6 | 43 | 63 | M10 | 10 | 346.060.11 | 346.060.12 |
| 8 | 43 | 63 | M10 | 10 | 346.080.11 | 346.080.12 |
| 10 | 43 | 63 | M10 | 10 | 346.100.11 | 346.100.12 |
| 12 | 43 | 63 | M10 | 10 | 346.120.11 | 346.120.12 |

**FOR USE ON THE FOLLOWING MACHINES:**
AYEN®, HOLZMA®, KNOEVENAGEL®, MAYER®, TORWEGGE®.

**TECHNICAL DETAILS:**
- Premium quality strength steel body.
- High quality HW tip.
- 2 cutting edges [Z2] + 2 negatively ground spurs [V2].
- 4 spiral flutes.
- Centre point.
- Orange or black PTFE coating.

**APPLICATION:**
for drilling blind holes in solid wood, wood composites, plastic and laminated materials.
For use on boring machines equipped with chucks.

Dowel Drills with Threaded Shank

## 352-353

HW Z2 V2 RH LH

| D mm | I mm | LB mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 5 | 30 | 45 | M8/9 | 10 | 352.050.11 | 352.050.12 |
| 6 | 30 | 45 | M8/9 | 10 | 352.060.11 | 352.060.12 |
| 8 | 30 | 45 | M8/9 | 10 | 352.080.11 | 352.080.12 |
| 10 | 30 | 45 | M8/9 | 10 | 352.100.11 | 352.100.12 |
| 12 | 30 | 45 | M8/9 | 10 | 352.120.11 | 352.120.12 |
| | | | | | | |
| 5 | 40 | 55 | M8/9 | 10 | 353.050.11 | 353.050.12 |
| 6 | 40 | 55 | M8/9 | 10 | 353.060.11 | 353.060.12 |
| 8 | 40 | 55 | M8/9 | 10 | 353.080.11 | 353.080.12 |
| 10 | 40 | 55 | M8/9 | 10 | 353.100.11 | 353.100.12 |
| 12 | 40 | 55 | M8/9 | 10 | 353.120.11 | 353.120.12 |

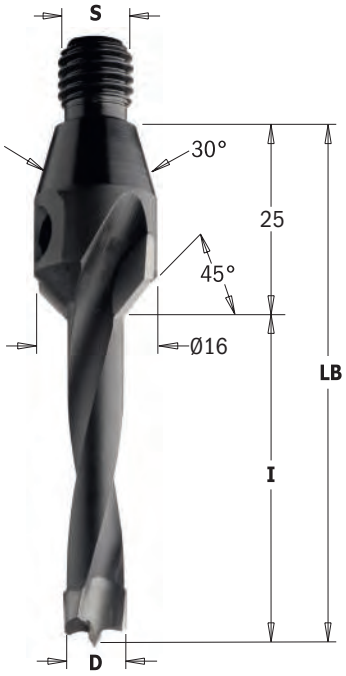
**FOR USE ON THE FOLLOWING MACHINES:**
MASTERWOOD® (Zangheri & Boschetti), MORBIDELLI®, NOTTMEYER® (new design).

**TECHNICAL DETAILS:**
- Premium quality strength steel body.
- High quality HW tip.
- 2 cutting edges [Z2] + 2 negatively ground spurs [V2].
- 4 spiral flutes.
- Centre point.
- Orange or black PTFE coating.

**APPLICATION:**
for drilling blind holes in solid wood, wood composites, plastic and laminated materials.
For use on boring machines equipped with chucks.

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

# Dowel Drills with Threaded Shank with Countersink




ON REQUEST

## 332-334-336-337

HW Z2 V2 RH LH

| D mm | I mm | LB mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 5 | 20 | 45 | M10/30° | 10 | **332.050.11** | **332.050.12** |
| 6 | 20 | 45 | M10/30° | 10 | **332.060.11** | **332.060.12** |
| 8 | 20 | 45 | M10/30° | 10 | **332.080.11** | **332.080.12** |
| 10 | 20 | 45 | M10/30° | 10 | **332.100.11** | **332.100.12** |
| 12 | 20 | 45 | M10/30° | 10 | **332.120.11** | **332.120.12** |
| | | | | | | |
| 5 | 30 | 55 | M10/30° | 10 | **334.050.11** | **334.050.12** |
| 6 | 30 | 55 | M10/30° | 10 | **334.060.11** | **334.060.12** |
| 8 | 30 | 55 | M10/30° | 10 | **334.080.11** | **334.080.12** |
| 10 | 30 | 55 | M10/30° | 10 | **334.100.11** | **334.100.12** |
| 12 | 30 | 55 | M10/30° | 10 | **334.120.11** | **334.120.12** |
| | | | | | | |
| 5 | 40 | 65 | M10/30° | 10 | **336.050.11** | **336.050.12** |
| 6 | 40 | 65 | M10/30° | 10 | **336.060.11** | **336.060.12** |
| 8 | 40 | 65 | M10/30° | 10 | **336.080.11** | **336.080.12** |
| 10 | 40 | 65 | M10/30° | 10 | **336.100.11** | **336.100.12** |
| 12 | 40 | 65 | M10/30° | 10 | **336.120.11** | **336.120.12** |
| | | | | | | |
| 5 | 50 | 75 | M10/30° | 10 | **337.050.11** | **337.050.12** |
| 6 | 50 | 75 | M10/30° | 10 | **337.060.11** | **337.060.12** |
| 8 | 50 | 75 | M10/30° | 10 | **337.080.11** | **337.080.12** |
| 10 | 50 | 75 | M10/30° | 10 | **337.100.11** | **337.100.12** |
| 12 | 50 | 75 | M10/30° | 10 | **337.120.11** | **337.120.12** |

**TECHNICAL DETAILS:**
- Premium quality strength steel body.
- High quality HW tip.
- 2 cutting edges [Z2] + 2 negatively ground spurs [V2].
- 2 spiral flutes.
- Centre point.
- 2 countersink cutting edges at 45°.
- Orange or black PTFE coating.

**APPLICATION:**
for drilling blind holes in solid wood, wood composites, plastic and laminated materials. For use on boring machines equipped with chucks.

# Dowel Drills with Threaded Shank without Countersink

ON REQUEST

## 341-342-343

HW Z2 V2 RH LH

| D mm | I mm | LB mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 5 | 30 | 55 | M10/30° | 10 | **341.050.11** | **341.050.12** |
| 6 | 30 | 55 | M10/30° | 10 | **341.060.11** | **341.060.12** |
| 8 | 30 | 55 | M10/30° | 10 | **341.080.11** | **341.080.12** |
| 10 | 30 | 55 | M10/30° | 10 | **341.100.11** | **341.100.12** |
| 12 | 30 | 55 | M10/30° | 10 | **341.120.11** | **341.120.12** |
| | | | | | | |
| 5 | 40 | 65 | M10/30° | 10 | **342.050.11** | **342.050.12** |
| 6 | 40 | 65 | M10/30° | 10 | **342.060.11** | **342.060.12** |
| 8 | 40 | 65 | M10/30° | 10 | **342.080.11** | **342.080.12** |
| 10 | 40 | 65 | M10/30° | 10 | **342.100.11** | **342.100.12** |
| 12 | 40 | 65 | M10/30° | 10 | **342.120.11** | **342.120.12** |
| | | | | | | |
| 5 | 50 | 75 | M10/30° | 10 | **343.050.11** | **343.050.12** |
| 6 | 50 | 75 | M10/30° | 10 | **343.060.11** | **343.060.12** |
| 8 | 50 | 75 | M10/30° | 10 | **343.080.11** | **343.080.12** |
| 10 | 50 | 75 | M10/30° | 10 | **343.100.11** | **343.100.12** |
| 12 | 50 | 75 | M10/30° | 20 | **343.120.11** | **343.120.12** |

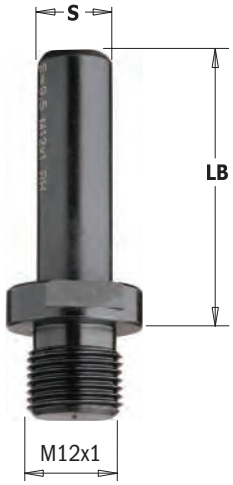
**TECHNICAL DETAILS:**
- Premium quality strength steel body.
- High quality HW tip.
- 2 cutting edges [Z2] + 2 negatively ground spurs [V2].
- 4 spiral flutes.
- Centre point.
- Orange or black PTFE coating.

**APPLICATION:**
for drilling blind holes in solid wood, wood composites, plastic and laminated materials. For use on boring machines equipped with chucks.

# BITS FOR HAND POWER TOOLS


| PRODUCTS | PAGE |
|---|---|
| Adaptors & Extension | 364-365 |
| Interchangeable Boring Bits | 365 |
| Boring Bits | 366~369 |
| Mortise Chisel & Bit Sets | 369 |
| Plug Cutters & Sets | 370-371 |
| Forstner Bits | 372 |
| Rosette Cutters | 373 |
| Bits for MAFELL® & FESTOOL® Machines | 374 |
| Auger Bits | 375 |
| Brad Point Bits & Sets | 375~377 |
| Drill Bits for ANUBA® Hinges | 377 |
| Countersinks & Drills | 378~381 |


® Brand names mentioned in CMT products are the property of their respective owners (see back cover)




## 509-532-533 WITH PARALLEL SHANK

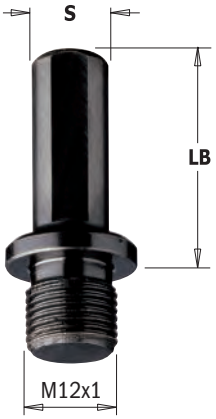
RH LH

| S mm | LB mm | | | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 8x30 | 35 | | | 10 | **532.080.01** | |
| 9.5x30 | 35 | | | 10 | **532.095.01** | |
| | | | | | | |
| 10x50 | 60 | | | 1 | **533.100.01** | |
| 12x30 | 35 | | | 10 | **532.120.01** | |
| | | | | | | |
| 13x50 | 100 | | | 1 | **509.130.01** | **509.130.02** |
| 16x50 | 100 | | | 1 | **509.160.01** | **509.160.02** |

For use with the following parts: **501** HW

**TECHNICAL DETAILS:**
- Strength steel.
- Precision grinding on all contact surfaces.

**APPLICATION:**
for use on boring machines equiped with adaptors and/or chucks.




## 511 WITH PARALLEL SHANK WITH DRIVING FLAT

RH LH

| S mm | LB mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|
| 10x20 | 27 | 10 | **511.270.01** | **511.270.02** |
| 10x35 | 40 | 10 | **511.400.01** | **511.400.02** |

For use with the following parts: **501** HW

Spare Parts
990.003.00

**TECHNICAL DETAILS:**
- Strength steel.
- Precision grinding on all contact surfaces.
- Parallel shank with driving flat and adjustable screw length.

**APPLICATION:** for use on boring machines equipped with adaptors and/or chucks.

## 506 WITH THREADED SHANK

RH LH

| S mm | LB mm | | | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| M10/11x4 | 15 | | | 1 | **506.150.01** | **506.150.02** |
| M10/11x4 | 25 | | | 1 | **506.250.01** | **506.250.02** |
| M10/11x4 | 35 | | | 1 | **506.350.01** | **506.350.02** |

For use with the following parts: **501** HW

**TECHNICAL DETAILS:**
- Strength steel.
- Precision grinding on all contact surfaces.

**APPLICATION:**
for use on boring machines equipped with adaptors and/or chucks.

## 503 WITH THREADED SHANK

RH LH

| S mm | LB mm | | | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| M10/30° | 25 | | | 1 | **503.250.01** | **503.250.02** |
| M10/30° | 35 | | | 1 | **503.350.01** | **503.350.02** |
| M10/30° | 45 | | | 1 | **503.450.01** | **503.450.02** |

For use with the following parts: **501** HW

**TECHNICAL DETAILS:**
- Strength steel.
- Precision grinding on all contact surfaces.

**APPLICATION:**
for use on boring machines equipped with adaptors and/or chucks.

# Adaptors for interchangeable boring bits

## 534 FOR CNC

RH

| S mm | | | | ORDER NO. Right-hand rotation | |
|---|---|---|---|---|---|
| MK2/Ø20x14F.x1" | | | 1 | **534.020.01** | |
| MK2/M30x1.5 | | | 1 | **534.030.01** | |

**For use with the following parts: 501 HW**

**TECHNICAL DETAILS:**
- Strength steel.

**APPLICATION:**
for use on CNC machining centers or hand-held routers equipped with adaptors and/or chucks.

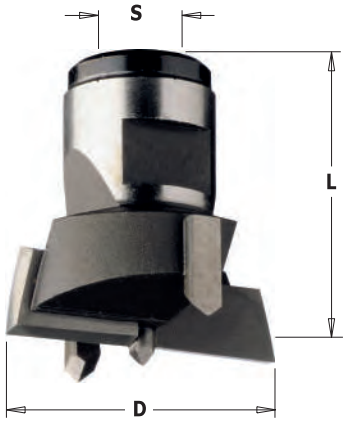
# Extension for drills with hexagonal shank

## 507

| S | L mm | L inches | B mm | | ORDER NO. |
|---|---|---|---|---|---|
| Hexagonal 1/4" | 330 | 13 | 8 | 25 | **507.080.33** |
| Hexagonal 11/32" | 330 | 13 | 9.5 | 25 | **507.095.33** |
| Hexagonal 11/32" | 330 | 13 | 10 | 25 | **507.100.33** |

**TECHNICAL DETAILS:**
- High strength steel.
- Precision grinding on all contact surfaces.

# Interchangeable Boring Bits with Threaded Shank

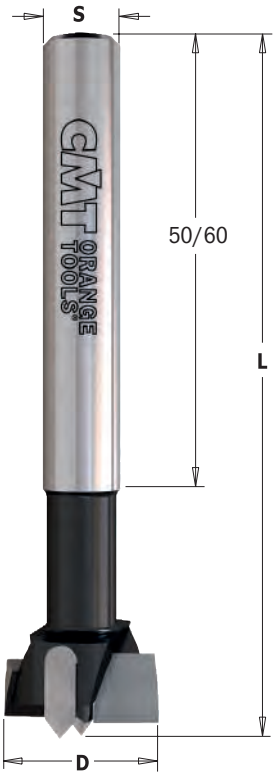



## 501

HW Z2+2 RH LH

| D mm | L mm | S mm | | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 20 | 30 | M12x1 | | 1 | **501.200.11** | |
| 22 | 30 | M12x1 | | 1 | **501.220.11** | **501.220.12** ■ |
| 24 | 30 | M12x1 | | 1 | **501.240.11** | **501.240.12** ■ |
| 25 | 30 | M12x1 | | 1 | **501.250.11** | |
| 26 | 30 | M12x1 | | 1 | **501.260.11** | **501.260.12** ■ |
| 30 | 30 | M12x1 | | 1 | **501.300.11** | |
| 32 | 30 | M12x1 | | 1 | **501.320.11** | |
| 34 | 30 | M12x1 | | 1 | **501.340.11** | |
| 35 | 30 | M12x1 | | 1 | **501.350.11** | **501.350.12** |
| 36 | 30 | M12x1 | | 1 | **501.360.11** | |
| 38 | 30 | M12x1 | | 1 | **501.380.11** | |
| 40 | 30 | M12x1 | | 1 | **501.400.11** | |
| 45 | 30 | M12x1 | | 1 | **501.450.11** | **501.450.12** ■ |
| 50 | 30 | M12x1 | | 1 | **501.500.11** | |
| 55 | 30 | M12x1 | | 1 | **501.550.11** | **501.550.12** ■ |
| 60 | 30 | M12x1 | | 1 | **501.600.11** | |

■ *While supplies last*




## 512

HW Z2 V2 RH

| D mm | L mm | S mm | | | ORDER NO. Right-hand rotation | |
|---|---|---|---|---|---|---|
| 14 | 90 | 10x60 | | 10 | **512.140.11** | |
| 15 | 90 | 10x60 | | 10 | **512.150.11** | |
| 16 | 90 | 10x60 | | 10 | **512.160.11** | |
| 17 | 90 | 10x60 | | 10 | **512.170.11** | |
| 18 | 90 | 10x60 | | 10 | **512.180.11** | |
| 19 | 90 | 10x60 | | 10 | **512.190.11** | |
| 20 | 90 | 10x60 | | 10 | **512.200.11** | |
| 21 | 90 | 10x60 | | 10 | **512.210.11** | |
| 22 | 90 | 10x60 | | 10 | **512.220.11** | |
| 23 | 90 | 10x60 | | 10 | **512.230.11** | |
| 24 | 90 | 10x60 | | 10 | **512.240.11** | |
| 25 | 90 | 10x60 | | 10 | **512.250.11** | |
| 26 | 90 | 10x60 | | 10 | **512.260.11** | |
| 27 | 90 | 10x60 | | 10 | **512.270.11** | |
| 28 | 90 | 10x60 | | 10 | **512.280.11** | |
| 29 | 90 | 10x60 | | 10 | **512.290.11** | |
| 30 | 90 | 10x60 | | 10 | **512.300.11** | |
| 31 | 90 | 10x60 | | 10 | **512.310.11** | |
| 32 | 90 | 10x60 | | 10 | **512.320.11** | |
| 33 | 90 | 10x60 | | 10 | **512.330.11** | |
| 34 | 90 | 10x60 | | 10 | **512.340.11** | |
| 35 | 90 | 10x60 | | 10 | **512.350.11** | |
| 38 | 90 | 10x60 | | 10 | **512.380.11** | |
| 40 | 90 | 10x60 | | 10 | **512.400.11** | |
| 42 | 90 | 10x60 | | 10 | **512.420.11** | |
| 45 | 90 | 10x50 | | 10 | **512.450.11** | |
| 48 | 90 | 10x50 | | 10 | **512.480.11** | |
| 50 | 90 | 10x50 | | 10 | **512.500.11** | |
| 55 | 90 | 10x50 | | 5 | **512.550.11** | |
| 58 | 90 | 10x50 | | 5 | **512.580.11** | |
| 60 | 90 | 10x50 | | 5 | **512.600.11** | |

**TECHNICAL DETAILS:**
- Strength steel.
- HW centre point.
- 2 HW ground cutting edges [Z2].
- 2 HW negatively ground spurs [V2].
- **Parallel shank.**

**APPLICATION:**
for drilling blind holes in solid wood, wood derivatives and laminate materials.
**Ideal for hinges.**

## 5 Piece Boring Bit Set for Hinges

## 512.001.01

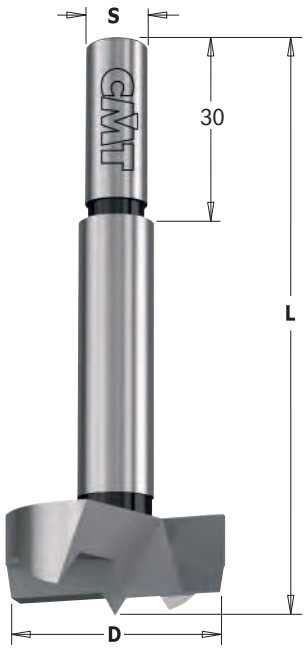
HW Z2 V2 RH

The perfect set for hinge work and other related applications.
Machined from special high speed steel and featuring tungsten carbide tipped cutting edges.

**TECHNICAL DETAILS:**
- Strength steel.
- HW centre point.
- 2 HW ground cutting edges [Z2].
- 2 HW negatively ground spurs [V2].
- **Parallel shank.**

**APPLICATION:**
for drilling blind holes in solid wood, wood derivatives and laminated materials.
**Ideal for hinges.**

| S mm | L mm | BIT DIAMETER mm | | ORDER NO. Right-hand rotation |
|---|---|---|---|---|
| 10 | 90 | 15-20-25-30-35 | 5 | **512.001.01** |




## 512

SP Z2 V2 RH

| D mm | L mm | S mm | | | ORDER NO. Right-hand rotation | |
|---|---|---|---|---|---|---|
| 8 | 90 | 8x30 | | 10 | **512.081.31** | |
| 10 | 90 | 8x30 | | 10 | **512.101.31** | |
| 12 | 90 | 8x30 | | 10 | **512.121.31** | |
| 14 | 90 | 8x30 | | 10 | **512.141.31** | |
| 15 | 90 | 8x30 | | 10 | **512.151.31** | |
| 16 | 90 | 8x30 | | 10 | **512.161.31** | |
| 18 | 90 | 8x30 | | 10 | **512.181.31** | |
| 20 | 90 | 8x30 | | 10 | **512.201.31** | |
| 22 | 90 | 8x30 | | 10 | **512.221.31** | |
| 24 | 90 | 8x30 | | 10 | **512.241.31** | |
| 25 | 90 | 8x30 | | 10 | **512.251.31** | |
| 26 | 90 | 8x30 | | 10 | **512.261.31** | |
| 28 | 90 | 8x30 | | 10 | **512.281.31** | |
| 30 | 90 | 8x30 | | 10 | **512.301.31** | |
| 32 | 90 | 10x30 | | 10 | **512.321.31** | |
| 34 | 90 | 10x30 | | 10 | **512.341.31** | |
| 35 | 90 | 10x30 | | 10 | **512.351.31** | |
| 38 | 90 | 10x30 | | 10 | **512.381.31** | |
| 40 | 90 | 10x30 | | 10 | **512.401.31** | |
| 45 | 90 | 10x30 | | 10 | **512.451.31** | |
| 50 | 90 | 10x30 | | 10 | **512.501.31** | |

**TECHNICAL DETAILS:**
- **Dependable DIYer tools. Great quality/price ratio.**
- SP steel.
- SP centre point.
- 2 SP ground cutting edges [Z2].
- 2 SP ground spurs [V2].
- **Parallel shank.**

**APPLICATION:**
used for drilling blind holes in solid wood, wood derivatives and laminates.
**Ideal for hinges.**

## 5 Piece Boring Bit Set for Hinges

## 512.001.00

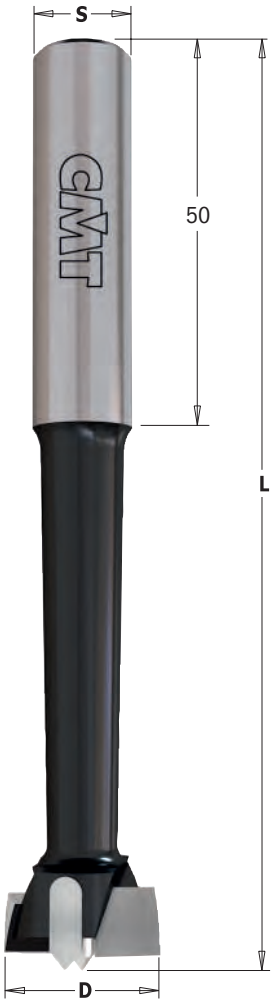
SP Z2 V2 RH

for the most popular brand applications. Machined from special high speed steel its really does a great job for those traditional hinge jobs.

**TECHNICAL DETAILS:**
- **Dependable DIYer tools. Great quality/price ratio.**
- SP steel.
- SP centre point.
- 2 SP ground cutting edges [Z2].
- 2 SP ground spurs [V2].
- **Parallel shank.**

**APPLICATION:**
for drilling blind holes in solid wood, wood derivatives and laminates.
**Ideal for hinges.**

| S mm | L mm | BIT DIAMETER mm | | ORDER NO. Right-hand rotation |
|---|---|---|---|---|
| 10 | 90 | 15-20-25-30-35 | 5 | **512.001.00** |




HW Z2 V2 RH

## 513

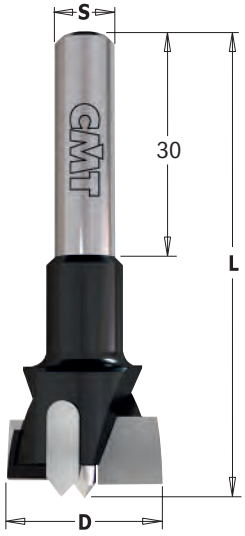
| D mm | L mm | S mm | | | ORDER NO. Right-hand rotation | |
|---|---|---|---|---|---|---|
| 15 | 120 | 13 | | 1 | **513.150.11** | |
| 16 | 120 | 13 | | 1 | **513.160.11** | |
| 18 | 120 | 13 | | 1 | **513.180.11** | |
| 20 | 120 | 13 | | 1 | **513.200.11** | |
| 22 | 125 | 13 | | 1 | **513.220.11** | |
| 25 | 125 | 13 | | 1 | **513.250.11** | |
| 26 | 125 | 13 | | 1 | **513.260.11** | |
| 28 | 130 | 13 | | 1 | **513.280.11** | |
| 30 | 130 | 13 | | 1 | **513.300.11** | |
| 35 | 130 | 13 | | 1 | **513.350.11** | |
| 40 | 130 | 13 | | 1 | **513.400.11** | |
| 45 | 130 | 13 | | 1 | **513.450.11** | |
| 50 | 130 | 13 | | 1 | **513.500.11** | |
| 55 | 140 | 13 | | 1 | **513.550.11** | |
| 60 | 140 | 13 | | 1 | **513.600.11** | |

## 514

| D mm | L mm | S mm | | | ORDER NO. Right-hand rotation | |
|---|---|---|---|---|---|---|
| 15 | 120 | 16 | | 1 | **514.150.11** | |
| 16 | 120 | 16 | | 1 | **514.160.11** | |
| 18 | 120 | 16 | | 1 | **514.180.11** | |
| 20 | 120 | 16 | | 1 | **514.200.11** | |
| 22 | 125 | 16 | | 1 | **514.220.11** | |
| 25 | 125 | 16 | | 1 | **514.250.11** | |
| 26 | 125 | 16 | | 1 | **514.260.11** | |
| 28 | 130 | 16 | | 1 | **514.280.11** | |
| 30 | 130 | 16 | | 1 | **514.300.11** | |
| 32 | 130 | 16 | | 1 | **514.320.11** | |
| 35 | 130 | 16 | | 1 | **514.350.11** | |
| 40 | 130 | 16 | | 1 | **514.400.11** | |
| 45 | 130 | 16 | | 1 | **514.450.11** | |
| 50 | 130 | 16 | | 1 | **514.500.11** | |
| 55 | 140 | 16 | | 1 | **514.550.11** | |
| 60 | 140 | 16 | | 1 | **514.600.11** | |

**TECHNICAL DETAILS:**
- Strength steel.
- HW centre point.
- 2 HW ground cutting edges [Z2].
- 2 HW negatively ground spurs [V2].
- **Parallel shank.**

**APPLICATION:**
for drilling blind holes in solid wood, wood derivatives and laminates.
**Ideal for hinges.**



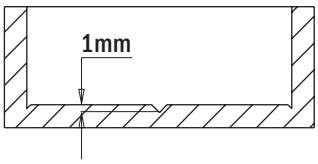

## 392

HW Z2 V2 RH

| D mm | L mm | S mm | | | ORDER NO. Right-hand rotation | |
|---|---|---|---|---|---|---|
| 15 | 60 | 8 | | 10 | **392.150.11** | |
| 20 | 60 | 8 | | 10 | **392.200.11** | |
| 25 | 60 | 8 | | 10 | **392.250.11** | |
| 26 | 60 | 8 | | 10 | **392.260.11** | |
| 30 | 60 | 8 | | 10 | **392.300.11** | |
| 35 | 60 | 8 | | 10 | **392.350.11** | |
| 35 | 60 | 12.7 | | 10 | **392.351.11** | |
| 40 | 60 | 8 | | 10 | **392.400.11** | |

**TECHNICAL DETAILS:**
- Strength steel.
- HW centre point.
- 2 HW ground cutting edges [Z2].
- 2 HW negatively ground spurs [V2].
- **Parallel shank.**

**APPLICATION:**
for drilling blind holes in solid wood, wood derivatives and laminates.
**Ideal for hinges.**




New construction with 1mm centre point

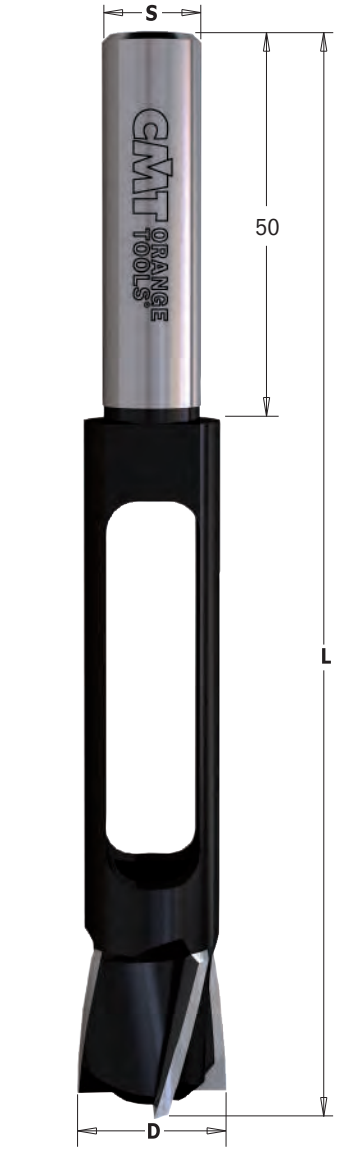
## Mortise Chisel & Bit Sets

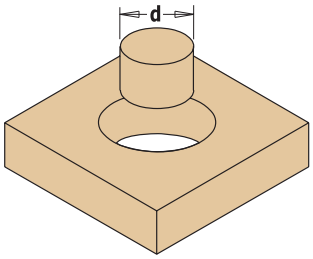
## 543

HSS Z1 RH

| D mm | D inches | S mm | S inches | | ORDER NO. Right-hand rotation | |
|---|---|---|---|---|---|---|
| 6.35 | 1/4 | 19 | 3/4 | 1 | **543.064.51** | |
| 8 | 5/16 | 19 | 3/4 | 1 | **543.079.51** | |
| 9.5 | 3/8 | 19 | 3/4 | 1 | **543.095.51** | |
| 12.7 | 1/2 | 19 | 3/4 | 1 | **543.127.51** | |
| 15.8 | 5/8 | 19 | 3/4 | 1 | **543.158.51** | |
| 19 | 3/4 | 19 | 3/4 | 1 | **543.190.51** | |

*Sample of Chisel Mortiser*




# 529

SP RH

| d mm | D mm | L mm | S mm | Z | | ORDER NO. Right-hand rotation |
|---|---|---|---|---|---|---|
| 8 | 18 | 140 | 13 | 4 | 5 | **529.080.31** |
| 10 | 20 | 140 | 13 | 4 | 5 | **529.100.31** |
| 12 | 24 | 140 | 13 | 4 | 5 | **529.120.31** |
| 14 | 26 | 140 | 13 | 4 | 5 | **529.140.31** |
| 15 | 27 | 140 | 13 | 4 | 5 | **529.150.31** |
| 16 | 28 | 140 | 13 | 4 | 5 | **529.160.31** |
| 18 | 30 | 140 | 13 | 4 | 5 | **529.180.31** |
| 20 | 32 | 140 | 13 | 4 | 5 | **529.200.31** |
| 22 | 34 | 140 | 13 | 5 | 5 | **529.220.31** |
| 25 | 37 | 140 | 13 | 5 | 5 | **529.250.31** |
| 30 | 42 | 140 | 13 | 5 | 5 | **529.300.31** |
| 32 | 44 | 140 | 13 | 5 | 5 | **529.320.31** |
| 35 | 47 | 160 | 16 | 6 | 2 | **529.350.31** |
| 40 | 52 | 160 | 16 | 6 | 2 | **529.400.31** |
| 45 | 57 | 160 | 16 | 6 | 2 | **529.450.31** |
| 50 | 62 | 160 | 16 | 6 | 2 | **529.500.31** |

| d inches | D inches | L inches | S inches | Z | | ORDER NO. Right-hand rotation |
|---|---|---|---|---|---|---|
| 3/8 | 49/64 | 5-1/2 | 1/2 | 4 | 5 | **529.095.31** |
| 1/2 | 61/64 | 5-1/2 | 1/2 | 4 | 5 | **529.127.31** |
| 5/8 | 1-7/64 | 5-1/2 | 1/2 | 4 | 5 | **529.158.31** |
| 3/4 | 1-7/32 | 5-1/2 | 1/2 | 4 | 5 | **529.191.31** |
| 7/8 | 1-11/32 | 5-1/2 | 1/2 | 4 | 5 | **529.222.31** |
| 1 | 1-15/32 | 5-1/2 | 1/2 | 5 | 5 | **529.254.31** |
| 1-1/4 | 1-19/32 | 5-1/2 | 1/2 | 5 | 5 | **529.317.31** |
| 1-3/8 | 1-27/32 | 6-5/16 | 5/8 | 6 | 2 | **529.349.31** |
| 1-1/2 | 1-31/32 | 6-5/16 | 5/8 | 6 | 2 | **529.381.31** |
| 1-5/8 | 2-3/32 | 6-5/16 | 5/8 | 6 | 2 | **529.413.31** |
| 1-3/4 | 2-7/32 | 6-5/16 | 5/8 | 6 | 2 | **529.445.31** |
| 2 | 2-15/32 | 6-5/16 | 5/8 | 6 | 2 | **529.508.31** |

Use our D=16mm bushing to increase the 13mm shank (article no. **799.130.00** on page 440)

| D mm | D inches | Max RPM Softwood | Max RPM Hardwood |
|---|---|---|---|
| < Ø16 | 5/8 | 1000 | 500 |
| < Ø40 | 1-37/64 | 500 | 300 |
| > Ø40 | 1-37/64 | 200 | 150 |

**TECHNICAL DETAILS:**

**- Dependable DIYer tools. Great quality/price ratio.**
- SP steel.
- 4 cutting edges.

**APPLICATION:**

for drilling plugs in natural soft or medium-density woods.

# 500.001/02/03

SP RH

We offer a wide range of boring bits and plug cutters in the most popular diameters. If you need to drill plugs in soft to medium-density hardwood, you've got three different sets to choose from. **Dependable DIYer tools. Great quality/ price ratio.**

## 500.001.08 BORING BIT & PLUG CUTTER SET

| SET CONTAINS | D mm | L mm | S mm | ORDER NO. Right-hand rotation |
|---|---|---|---|---|
| Boring Bit with Parallel Shank | 8 | 90 | 10 | **512.081.31** |
| Boring Bit with Parallel Shank | 10 | 90 | 10 | **512.101.31** |
| Boring Bit with Parallel Shank | 12 | 90 | 10 | **512.121.31** |
| Boring Bit with Parallel Shank | 15 | 90 | 10 | **512.151.31** |
| Plug Cutter | 8 | 140 | 13 | **529.080.31** |
| Plug Cutter | 10 | 140 | 13 | **529.100.31** |
| Plug Cutter | 12 | 140 | 13 | **529.120.31** |
| Plug Cutter | 15 | 140 | 13 | **529.150.31** |

## 500.002.08 BORING BIT & PLUG CUTTER SET

| SET CONTAINS | D mm | L mm | S mm | ORDER NO. Right-hand rotation |
|---|---|---|---|---|
| Boring Bit with Parallel Shank | 16 | 90 | 10 | **512.161.31** |
| Boring Bit with Parallel Shank | 20 | 90 | 10 | **512.201.31** |
| Boring Bit with Parallel Shank | 25 | 90 | 10 | **512.251.31** |
| Boring Bit with Parallel Shank | 30 | 90 | 10 | **512.301.31** |
| Plug Cutter | 16 | 140 | 13 | **529.160.31** |
| Plug Cutter | 20 | 140 | 13 | **529.200.31** |
| Plug Cutter | 25 | 140 | 13 | **529.250.31** |
| Plug Cutter | 30 | 140 | 13 | **529.300.31** |

## 500.003.08 BORING BIT & PLUG CUTTER SET

| SET CONTAINS | D mm | L mm | S mm | ORDER NO. Right-hand rotation |
|---|---|---|---|---|
| Boring Bit with Parallel Shank | 15 | 90 | 10 | **512.151.31** |
| Boring Bit with Parallel Shank | 20 | 90 | 10 | **512.201.31** |
| Boring Bit with Parallel Shank | 25 | 90 | 10 | **512.251.31** |
| Boring Bit with Parallel Shank | 30 | 90 | 10 | **512.301.31** |
| Plug Cutter | 15 | 140 | 13 | **529.150.31** |
| Plug Cutter | 20 | 140 | 13 | **529.200.31** |
| Plug Cutter | 25 | 140 | 13 | **529.250.31** |
| Plug Cutter | 30 | 140 | 13 | **529.300.31** |

# Forstner Bits

Toothed rim >=Ø25mm

Standard rim <Ø25mm

## 537

SP Z2 V2 RH

| D mm | L mm | S mm | | ORDER NO. Right-hand rotation |
|---|---|---|---|---|
| 10 | 90 | 8 | 6 | **537.100.31** |
| 12 | 90 | 8 | 6 | **537.120.31** |
| 14 | 90 | 8 | 6 | **537.140.31** |
| 15 | 90 | 8 | 6 | **537.150.31** |
| 16 | 90 | 8 | 6 | **537.160.31** |
| 18 | 90 | 8 | 6 | **537.180.31** |
| 20 | 90 | 8 | 6 | **537.200.31** |
| 22 | 90 | 8 | 6 | **537.220.31** |
| 24 | 90 | 8 | 6 | **537.240.31** |
| 25 | 90 | 8 | 6 | **537.250.31** |
| 26 | 90 | 8 | 6 | **537.260.31** |
| 28 | 90 | 8 | 6 | **537.280.31** |
| 30 | 90 | 8 | 6 | **537.300.31** |
| 32 | 90 | 10 | 6 | **537.320.31** |
| 35 | 90 | 10 | 6 | **537.350.31** |
| 38 | 90 | 10 | 6 | **537.380.31** |
| 40 | 90 | 10 | 6 | **537.400.31** |
| 45 | 90 | 10 | 6 | **537.450.31** |
| 50 | 90 | 10 | 6 | **537.500.31** |
| 55 | 90 | 10 | 6 | **537.550.31** |
| 68 | 157 | 12.7 | 6 | **537.680.31** |
| 70 | 157 | 12.7 | 6 | **537.700.31** |
| 75 | 157 | 12.7 | 2 | **537.750.31** |
| 80 | 157 | 12.7 | 2 | **537.800.31** |
| 85 | 157 | 12.7 | 2 | **537.850.31** |
| 90 | 157 | 12.7 | 2 | **537.900.31** |
| 95 | 157 | 12.7 | 2 | **537.950.31** |
| 100 | 157 | 12.7 | 2 | **537.990.31** |

| D inches | L inches | S inches | | ORDER NO. Right-hand rotation |
|---|---|---|---|---|
| 1/4 | 3-35/64 | 3/8 | 6 | **537.064.31** |
| 3/8 | 3-35/64 | 3/8 | 6 | **537.095.31** |
| 1/2 | 3-35/64 | 3/8 | 6 | **537.127.31** |
| 5/8 | 3-35/64 | 3/8 | 6 | **537.158.31** |
| 3/4 | 3-35/64 | 3/8 | 6 | **537.190.31** |
| 7/8 | 3-35/64 | 3/8 | 6 | **537.222.31** |
| 1 | 3-35/64 | 3/8 | 6 | **537.254.31** |
| 1-1/8 | 3-35/64 | 3/8 | 6 | **537.285.31** |
| 1-1/4 | 3-35/64 | 3/8 | 6 | **537.317.31** |
| 1-3/8 | 3-35/64 | 3/8 | 6 | **537.349.31** |
| 1-1/2 | 3-35/64 | 3/8 | 6 | **537.381.31** |
| 1-5/8 | 3-35/64 | 3/8 | 6 | **537.413.31** |
| 1-3/4 | 3-35/64 | 3/8 | 6 | **537.445.31** |
| 1-7/8 | 3-35/64 | 3/8 | 6 | **537.476.31** |
| 2 | 3-35/64 | 3/8 | 6 | **537.508.31** |
| 2-1/8 | 3-35/64 | 3/8 | 6 | **537.540.31** |
| 2-1/4 | 6-3/16 | 3/8 | 6 | **537.571.31** |
| 2-1/2 | 6-3/16 | 3/8 | 6 | **537.635.31** |
| 3 | 6-3/16 | 3/8 | 2 | **537.762.31** |
| 3-1/2 | 6-3/16 | 3/8 | 2 | **537.889.31** |
| 4 | 6-3/16 | 3/8 | 2 | **537.991.31** |
| 4-1/2 | 4-17/32 | 3/8 | 2 | **537.993.31** |

**STANDARD RIM AND TOOTHED RIM:**
Standard rims provide better guidance but tend to overheat. To overcome heat the larger diameters (>=Ø25mm) are designed with toothed rims.

**TECHNICAL DETAILS:**
- **Dependable DIYer tools. Great quality/price ratio.**
- SP steel.
- SP centre point.
- 2 SP precision ground cutting edges [Z2].
- 2 SP ground spurs [V2].
- **Parallel shank.**

**APPLICATION:**
for drilling flat bottom holes of any size in softwood. Create oval and arched openings at any angle.
Create niches for the installation of brackets/straps, frames/grids.

# Forstner Bit Sets

We offer a wide range of Forstner bits in the most popular diameters to execute holes for brackets/straps in softwood. Drill ovals and arched openings at any angle for the installation of hinge parts. Available in 4, 5, 7, 12 and 16 bit sets.
**Dependable DIYer tools. Great quality/price ratio.**

## 537.000.16

SP Z2 V2 RH

## 537.000.04
## 537.000.05
## 537.000.07
## 537.000.12

| DESCRIPTION | SHANK mm | SHANK inches | BIT DIAMETER | | ORDER NO. Right-hand rotation |
|---|---|---|---|---|---|
| 5 pcs. Forstner Bit Set in clamshell | Ø8-10 | | Ø15-20-25-30-35mm | 6 | **537.000.05** |
| 12 pcs. Forstner Bit Set in clamshell | Ø8-10 | | Ø10-12-14-15-16-18-20-22-25-26-30-35mm | 6 | **537.000.12** |
| 4 pcs. Forstner Bit Set in clamshell | | Ø3/8 | Ø1/4" - 1/2" - 3/4" - 1" | 6 | **537.000.04** |
| 7 pcs. Forstner Bit Set in clamshell | | Ø3/8 | Ø1/4" - 3/8" - 1/2" - 5/8" - 3/4" - 7/8" - 1" | 6 | **537.000.07** |
| 16 pcs. Forstner Bit Set in plastic box | | Ø3/8 | Ø1/4" - 3/8" - 1/2" - 5/8" - 3/4" - 7/8" - 1" - 1-1/8" - 1-1/4"-1-3/8"-1-1/2"-1-5/8"-1-3/4"-1-7/8"-2"-2-1/8" | 8 | **537.000.16** |

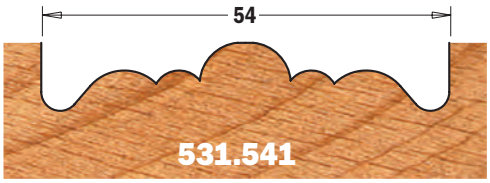
# 531

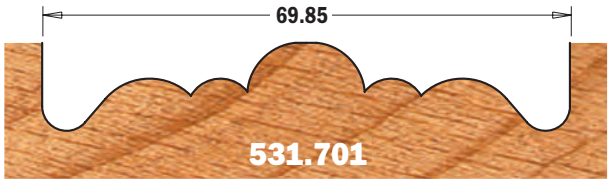
HW Z2 RH

| D mm | L mm | S mm | MAX RPM | | ORDER NO. Right-hand rotation |
|---|---|---|---|---|---|
| 54 | 73.5 | 9.5 | 1500 | 10 | **531.541** |
| 54 | 71.3 | 9.5 | 1500 | 10 | **531.542** |
| 54 | 67.3 | 9.5 | 1500 | 10 | **531.543** |
| 54 | 72.3 | 9.5 | 1500 | 10 | **531.544** |
| 70 | 76.5 | 9.5 | 1000 | 5 | **531.701** |
| 70 | 74 | 9.5 | 1000 | 5 | **531.702** |

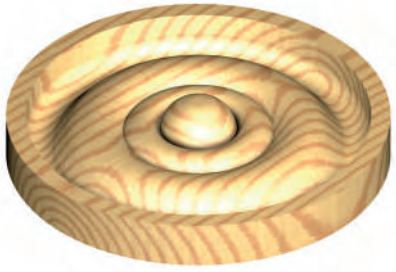
**TECHNICAL DETAILS:**
- Strength steel.
- 2 HW precision ground cutting edges [Z2].
- **Parallel hexagonal shank.**

**APPLICATION:**
for use on drill presses and low speed power tools (see table above for MAX RPM). We recommend securely clamping your workpiece throughout drilling operations.

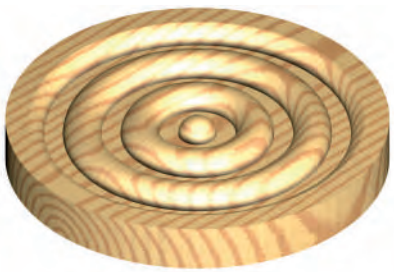




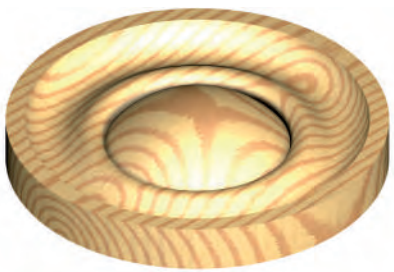
Drawing is 1:1 scale



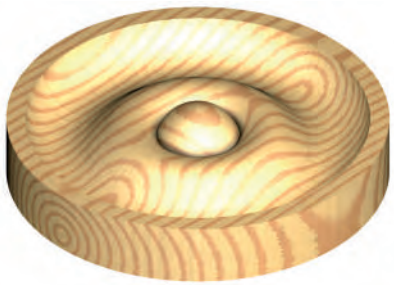
531.541
531.701



531.543

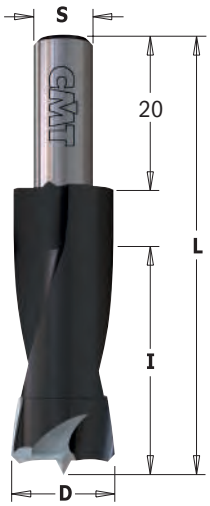


531.542
531.702



531.544

# Dowel Drills for MAFELL® & Hand-Held Routers



## 312

HW Z2 RH

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | |
|---|---|---|---|---|---|---|
| 4 | 30 | 58 | 8 | 10 | **312.040.11** | |
| 5 | 30 | 58 | 8 | 10 | **312.050.11** | |
| 6 | 30 | 58 | 8 | 10 | **312.060.11** | |
| 8 | 30 | 58 | 8 | 10 | **312.080.11** | |
| 10 | 30 | 58 | 8 | 10 | **312.100.11** | |
| 12 | 30 | 58 | 8 | 10 | **312.120.11** | |
| 14 | 30 | 58 | 8 | 10 | **312.140.11** | |
| 16 | 30 | 58 | 8 | 10 | **312.160.11** | |

**TECHNICAL DETAILS:**
- Premium quality strength steel body.
- High quality HW tip.
- 2 cutting edges [Z2].
- No lateral spurs.
- 2 spiral flutes.
- Centre point.
- Black PTFE coating.
- **Parallel shank with driving flat and length adjusting screw.**

Spare Parts 990.003.00 — Optional 990.088.00

**APPLICATION:**
for drilling blind holes in solid wood, wood derivatives and laminates.
For use on hand-held routers and MAFELL® machines - model DD40.

# Router Bits for DOMINO® Joining Machines by FESTOOL®

## 380

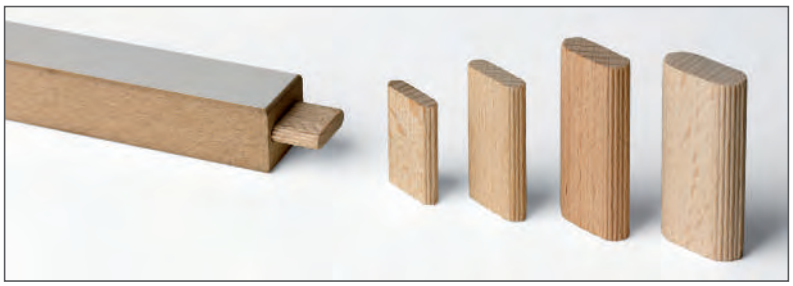
HW HWM Z2 RH

| D mm | I mm | L mm | S mm | FESTOOL® | | ORDER NO. Right-hand rotation |
|---|---|---|---|---|---|---|
| • 4 | 11 | 38 | M6x0.75 | DF500 | 10 | **380.040.11** |
| 5 | 20 | 49 | M6x0.75 | DF500 | 10 | **380.050.11** |
| 6 | 28 | 49 | M6x0.75 | DF500 | 10 | **380.060.11** |
| 8 | 28 | 49 | M6x0.75 | DF500 | 10 | **380.080.11** |
| 10 | 28 | 49 | M6x0.75 | DF500 | 10 | **380.100.11** |
| 8 | 50 | 90 | M8x1 | DF700 | 10 | **380.081.11** |
| 10 | 70 | 90 | M8x1 | DF700 | 10 | **380.101.11** |
| 12 | 70 | 90 | M8x1 | DF700 | 10 | **380.121.11** |
| 14 | 70 | 90 | M8x1 | DF700 | 10 | **380.141.11** |

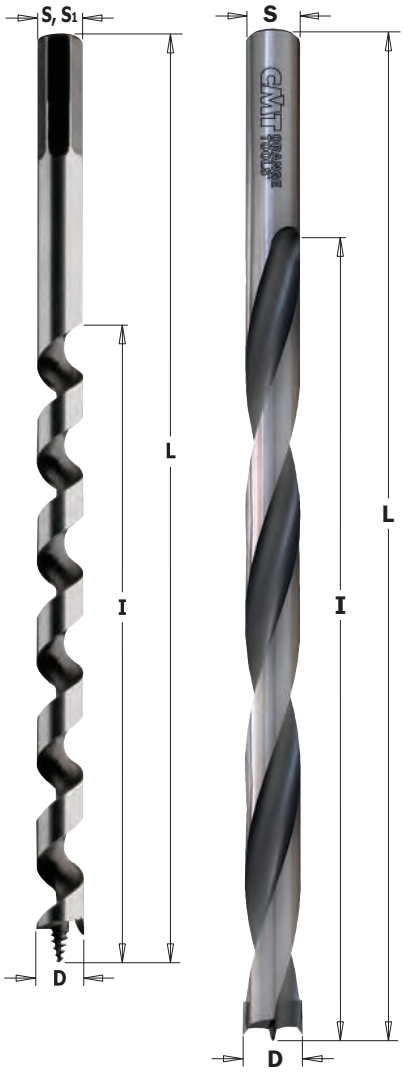
• **HWM**

**TECHNICAL DETAILS:**
- Premium quality strength steel body.
- High quality HW tip.
- 2 cutting edges [Z2].
- No lateral spurs and centre point.
- 2 spiral flutes.
- Black PTFE coating.
- **Threaded shank.**

**APPLICATION:**
for use on "DOMINO® machines to rout slots for hinges.



® Brand names mentioned in CMT products are the property of their respective owners (see back cover)




## 542-535

HSS Z1 V1 RH

| D mm | I mm | L mm | S | S1 mm | RPM max | | ORDER NO. Right-hand rotation |
|---|---|---|---|---|---|---|---|
| 6 | 155 | 230 | Hexagonal | 6 | 800 ~ 1400 | 1 | **542.060.51** |
| 8 | 155 | 230 | Hexagonal | 6.35 | 800 ~ 1400 | 1 | **542.080.51** |
| 10 | 155 | 230 | Hexagonal | 9 | 600 ~ 1200 | 1 | **542.100.51** |
| 12 | 155 | 230 | Hexagonal | 12 | 600 ~ 1100 | 1 | **542.120.51** |
| 14 | 155 | 230 | Hexagonal | 12 | 600 ~ 1000 | 1 | **542.140.51** |
| 16 | 155 | 230 | Hexagonal | 12 | 500 ~ 900 | 1 | **542.160.51** |
| 18 | 155 | 230 | Hexagonal | 12 | 500 ~ 800 | 1 | **542.180.51** |
| 20 | 155 | 230 | Hexagonal | 12 | 400 ~ 700 | 1 | **542.200.51** |
| | | | | | | | |
| 8 | 385 | 460 | Hexagonal | 6.55 | 800 ~ 1000 | 1 | **535.080.51** |
| 10 | 385 | 460 | Hexagonal | 9 | 600 ~ 1000 | 1 | **535.100.51** |
| 12 | 385 | 460 | Hexagonal | 12 | 600 ~ 1000 | 1 | **535.120.51** |
| 14 | 385 | 460 | Hexagonal | 12 | 500 ~ 900 | 1 | **535.140.51** |
| 16 | 385 | 460 | Hexagonal | 12 | 500 ~ 900 | 1 | **535.160.51** |
| 18 | 385 | 460 | Hexagonal | 12 | 450 ~ 800 | 1 | **535.180.51** |
| 20 | 385 | 460 | Hexagonal | 12 | 400 ~ 700 | 1 | **535.200.51** |

**TECHNICAL DETAILS:**
- HSS steel.
- Centre point.
- 1 HSS cutting edge [Z1] + 1 spur [V1].
- 1 spiral flute.

**APPLICATION:**
for deep boring on soft and medium-density wood.
**Ideal for the preparation and installation of floating shelves.**

## 542

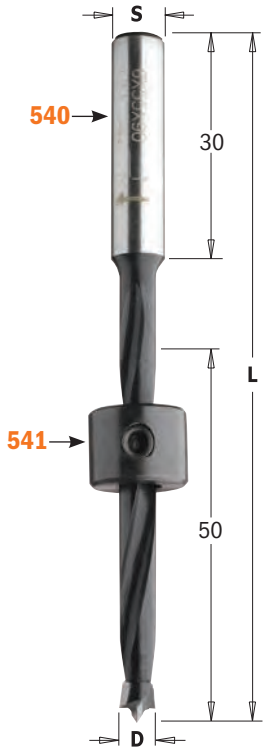
HW Z2 V2 RH

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | |
|---|---|---|---|---|---|---|
| 12 | 180 | 240 | 13 | 1 | **542.120.11** | |
| 14 | 180 | 240 | 13 | 1 | **542.140.11** | |

**TECHNICAL DETAILS:**
- Strength steel.
- High quality HW tip.
- Centre point.
- 2 HW cutting edge [Z2] + 2 spurs [V2].
- 2 spiral flute.

**APPLICATION:**
for deep boring on soft and medium-density wood.
**Ideal for the preparation and installation of floating shelves.**

# Brad Point Bits & Stop Collars




## 540

HW Z2 V2 RH

| D mm | L mm | S mm | | | ORDER NO. Right-hand rotation | |
|---|---|---|---|---|---|---|
| 5 | 90 | 8x30 | | 1 | **540.050.11** | |
| 6 | 90 | 8x30 | | 1 | **540.060.11** | |
| 8 | 90 | 8x30 | | 1 | **540.080.11** | |
| 10 | 90 | 8x30 | | 1 | **540.100.11** | |
| 12 | 90 | 8x30 | | 1 | **540.120.11** | |

**TECHNICAL DETAILS:**
- Strength steel.
- High quality HW tip.
- Centre point.
- 2 HW cutting edge [Z2] + 2 spurs [V2].
- 2 spiral flute.

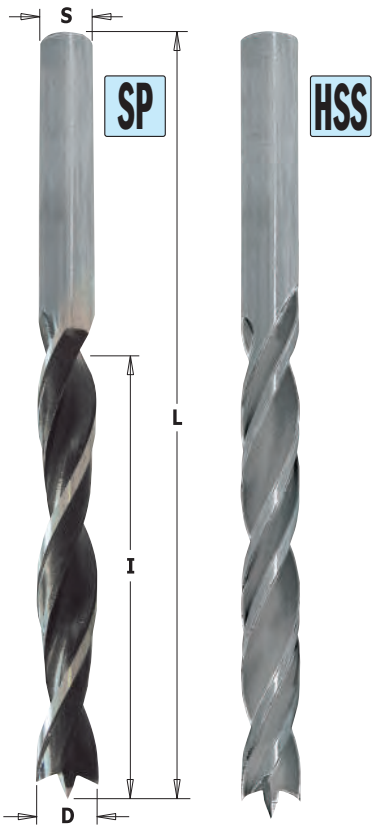
**APPLICATION:**
for drilling blind holes in solid wood, wood derivatives and laminates.
For use on hand-held power drills and drill presses.

## 541

| D mm | | ORDER NO. | Spare Parts | |
|---|---|---|---|---|
| 5 | 10 | **541.050.00** | 990.002.00 | 991.062.00 |
| 6 | 10 | **541.060.00** | 990.002.00 | 991.062.00 |
| 8 | 10 | **541.080.00** | 990.002.00 | 991.062.00 |
| 10 | 10 | **541.100.00** | 990.002.00 | 991.062.00 |
| 12 | 10 | **541.120.00** | 990.002.00 | 991.062.00 |

*Stop rings with tightening screw for quick and easy assembly on twist drills.*

# Brad Point Bits




## 517

SP HSS Z2 RH

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation SP | ORDER NO. Right-hand rotation HSS |
|---|---|---|---|---|---|---|
| 3 | 33 | 61 | 3.0 | 1 | **517.030.31** | **517.030.51** |
| 4 | 43 | 75 | 4 | 1 | **517.040.31** | **517.040.51** |
| 4.5 | 47 | 80 | 4.5 | 1 | | **517.045.51** |
| 5 | 52 | 86 | 5 | 1 | **517.050.31** | **517.050.51** |
| 6 | 57 | 93 | 6 | 1 | **517.060.31** | **517.060.51** |
| 7 | 69 | 109 | 7 | 1 | **517.070.31** | **517.070.51** |
| 8 | 75 | 117 | 8 | 1 | **517.080.31** | **517.080.51** |
| 9 | 80 | 120 | 9 | 1 | **517.090.31** | **517.090.51** |
| 10 | 80 | 120 | 10 | 1 | **517.100.31** | **517.100.51** |
| 11 | 89 | 142 | 8 | 1 | **517.110.31** | **517.110.51** |
| 12 | 96 | 151 | 8 | 1 | **517.120.31** | **517.120.51** |
| 13 | 96 | 151 | 8 | 1 | **517.130.31** | **517.130.51** |
| 14 | 96 | 151 | 10 | 1 | **517.140.31** | **517.140.51** |
| 15 | 100 | 160 | 10 | 1 | **517.150.31** | **517.150.51** |
| 16 | 100 | 160 | 10 | 1 | **517.160.31** | **517.160.51** |
| 18 | 130 | 180 | 10 | 1 | **517.180.31** | |
| 20 | 135 | 200 | 10 | 1 | **517.200.31** | |

SP

**TECHNICAL DETAILS:**
- **Dependable DIYer tools. Great quality/price ratio.**
- SP steel.
- Balanced center point.
- 2 SP cutting edges [Z2].
- 2 flutes.

**APPLICATION:**
for drilling holes in softwood.

HSS

**TECHNICAL DETAILS:**
- **Dependable DIYer tools. Great quality/price ratio.**
- HSS steel.
- Balanced center point.
- 2 HSS cutting edges [Z2].
- 4 spiral flutes.

**APPLICATION:**
used for drilling holes in soft and hardwood.

# Brad Point Bit Sets

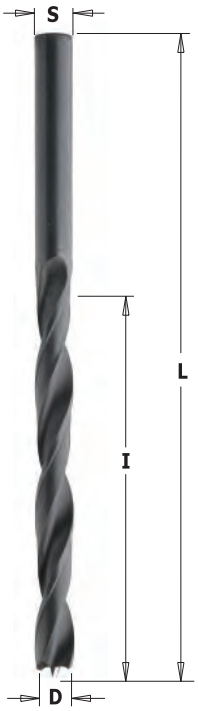
## 517

SP HSS Z2 RH

**5 & 8 Piece Brad Point Bit Set**
Safely packaged in a reusable plastic case for easy storage and access.
**Dependable DIYer tools. Great quality/price ratio.**

| DESCRIPTION | Z | BIT DIAMETER | | ORDER NO. Right-hand rotation |
|---|---|---|---|---|
| 5 pcs. **HSS** Brad Point Set | 4 flutes | Ø4-5-6-8-10mm | 50 | **517.001.01** |
| 5 pcs. **SP** Brad Point Set | 2 flutes | Ø4-5-6-8-10mm | 50 | **517.001.00** |
| 8 pcs. **HSS** Brad Point Set | 4 flutes | Ø3-4-5-6-7-8-9-10mm | 30 | **517.002.01** |
| 8 pcs. **SP** Brad Point Set | 2 flutes | Ø3-4-5-6-7-8-9-10mm | 30 | **517.002.00** |

# Brad Point Bits




## 516

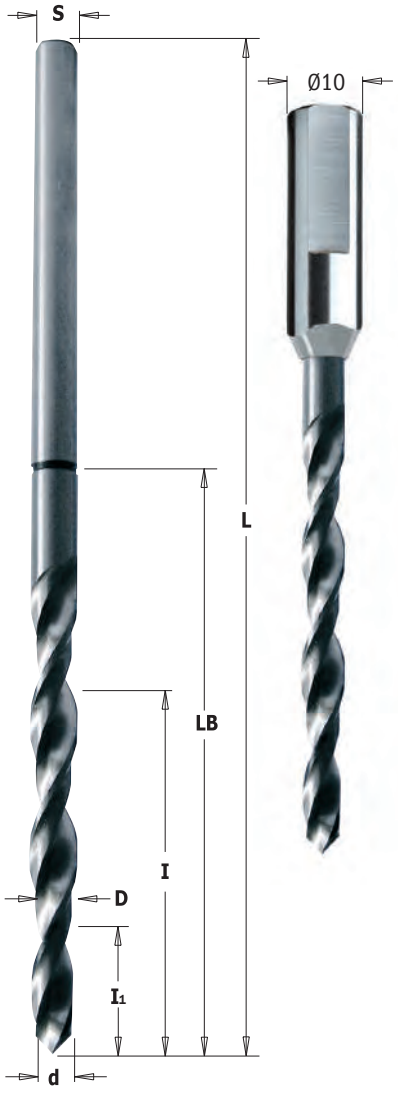
HSS Z2 RH LH

| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation |
|---|---|---|---|---|---|---|
| 2 | 24 | 49 | 2 | 10 | **516.020.51** | **516.020.52** |
| 2.5 | 30 | 57 | 2.5 | 10 | **516.025.51** | **516.025.52** |
| 3 | 33 | 61 | 3 | 10 | **516.030.51** | **516.030.52** |
| 3.5 | 39 | 70 | 3.5 | 10 | **516.035.51** | **516.035.52** |
| 4 | 43 | 75 | 4 | 10 | **516.040.51** | **516.040.52** |
| 4.5 | 47 | 80 | 4.5 | 10 | **516.045.51** | **516.045.52** |
| 5 | 52 | 86 | 5 | 10 | **516.050.51** | **516.050.52** |
| 5.5 | 57 | 93 | 5.5 | 10 | **516.055.51** | **516.055.52** |
| 6 | 57 | 93 | 6 | 10 | **516.060.51** | **516.060.52** |
| 7 | 69 | 109 | 7 | 10 | **516.070.51** | **516.070.52** |
| 8 | 75 | 117 | 8 | 10 | **516.080.51** | **516.080.52** |
| 9 | 81 | 125 | 9 | 10 | **516.090.51** | **516.090.52** |
| 10 | 87 | 133 | 10 | 10 | **516.100.51** | **516.100.52** |

**TECHNICAL DETAILS:**
- HSS steel.
- Centre point.
- 2 HSS cutting edges [Z2].
- 2 spiral flutes.

**APPLICATION:**
for drilling blind holes in soft and medium-density wood.

# Drill Bits for ANUBA® Hinges




## 515 PARALLEL SHANK

HSS Z2 RH

| ANUBA® nr. | d mm | D-S mm | $l_1$ mm | I mm | LB mm | L mm | | ORDER NO. Right-hand rotation |
|---|---|---|---|---|---|---|---|---|
| 9.5 | 3.8 | 5.2 | 18 | 56 | 74 | 132 | 1 | **515.095.51** |
| 11 | 4.8 | 5.7 | 17 | 60 | 76 | 145 | 1 | **515.110.51** |
| 13 | 5.8 | 6.7 | 18 | 68 | 83 | 155 | 1 | **515.130.51** |
| 14.5 | 6.3 | 7.2 | 19 | 75 | 89 | 165 | 1 | **515.145.51** |
| 16 | 6.7 | 7.7 | 25 | 85 | 100 | 165 | 1 | **515.160.51** |
| 18 | 7.7 | 8.7 | 25 | 85 | 102 | 165 | 1 | **515.180.51** |
| 20 | 8.8 | 9.8 | 25 | 90 | 104 | 165 | 1 | **515.200.51** |

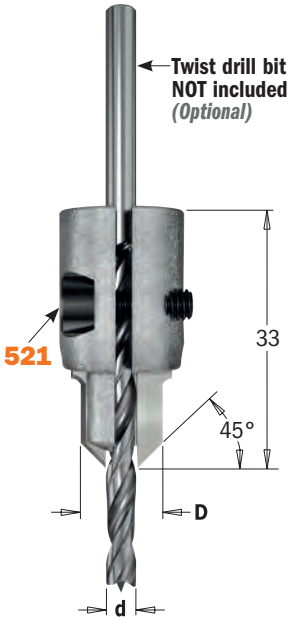
## 515 PARALLEL SHANK WITH DRIVING FLAT

| ANUBA® nr. | d mm | D mm | I mm | LB mm | S mm | L mm | | ORDER NO. Right-hand rotation |
|---|---|---|---|---|---|---|---|---|
| 13 | 5.2 | 6.5 | 15 | 50 | 10x35 | 85 | 1 | **515.131.51** |
| 14 | 5.5 | 7 | 15 | 55 | 10x35 | 90 | 1 | **515.141.51** |
| 16 | 6 | 7.7 | 15 | 60 | 10x35 | 95 | 1 | **515.161.51** |

**TECHNICAL DETAILS:**
- HSS steel.
- Centre point.
- 2 HSS cutting edges [Z2].
- 2 spiral flutes.

**APPLICATION:**
for drilling holes in medium density wood.
For the installation of ANUBA® hinges.

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

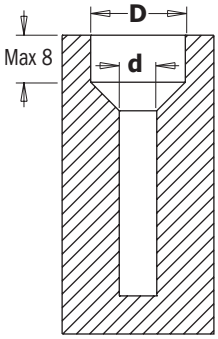



# 521.001

HW Z2 RH

| d mm | D mm | | ORDER NO. Right-hand rotation | Spare Parts | |
|---|---|---|---|---|---|
| 3 ~ 7 | 10 ~ 14 | 10 | **521.001.11** | 990.061.00 | 991.067.00 |

For use with the following items: **516-517**

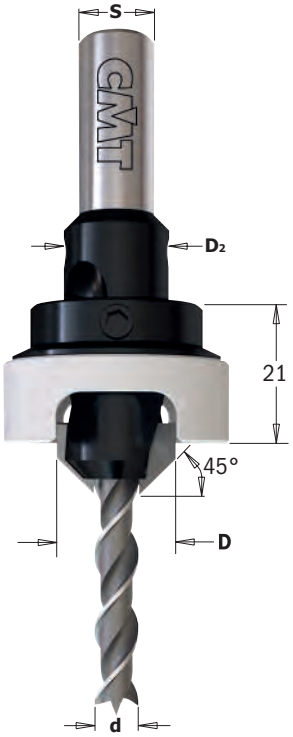



| d | D |
|---|---|
| Ø3 | Ø10 |
| Ø4 | Ø11 |
| Ø5 | Ø12 |
| Ø6 | Ø13 |
| Ø7 | Ø14 |

**TECHNICAL DETAILS:**
- Strength steel.
- Countersink: 2 carbide tipped cutting edges [Z2] at 45°.
- Fastening screw for quick and easy drill bit change.
- 3mm hex key included.
- **Dependable DIYer tools. Great quality/price ratio.**

**APPLICATION:**
for use with spiral bits featuring a parallel shank of equal dimension to countersink shank diameter.

# Drill Bits with 45° Countersink Set



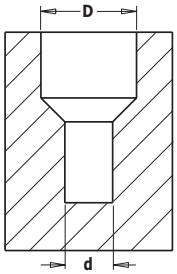

## 521A

HW Z2 RH

| d mm | D mm | D₂ mm | A | S mm | | ORDER NO. Right-hand rotation |
|---|---|---|---|---|---|---|
| 3 | 12 | 10 | 45° | 8 | 10 | **521.312.11A** |
| 4 | 12 | 10 | 45° | 8 | 10 | **521.412.11A** |
| 4.5 | 16 | 14 | 45° | 10 | 10 | **521.4516.11A** |
| 5 | 16 | 14 | 45° | 10 | 10 | **521.516.11A** |
| 6 | 16 | 14 | 45° | 10 | 10 | **521.616.11A** |

| Spare Parts | | |
|---|---|---|
| 521.312.11 | 517.030.51P | 541.101.00 |
| 521.412.11 | 517.040.51P | 541.101.00 |
| 521.4516.11 | 517.045.51P | 541.141.00 |
| 521.516.11 | 517.050.51P | 541.141.00 |
| 521.616.11 | 517.060.51P | 541.141.00 |

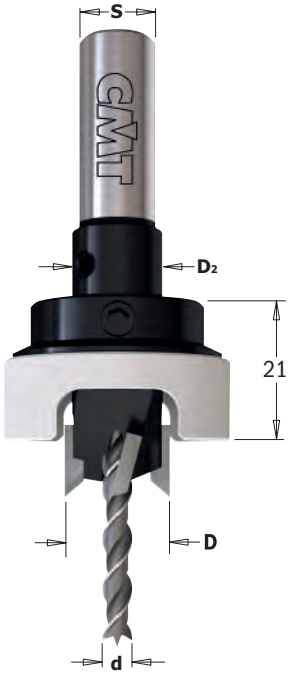
*Spare Parts:* **990.014.00** Screw
**991.060.00** Hex key




**TECHNICAL DETAILS:**
- Strength steel.
- Countersink: 2 carbide tipped cutting edges [Z2] at 45°.
- Fastening screw for quick and easy drill bit change.
- HSS drill bit.
- Stop collars with precision clamping nut for quick and easy assembly.
- The DELRIN® protection sleeve lets you work without marring the workpiece.

**APPLICATION:**
for drilling countersink and blind holes in solid wood, wood derivatives and laminates.
For use with hand-held power drills or drill presses.

# Drill Bits with 90° Countersink Set



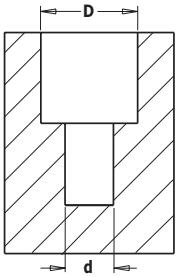

## 515A

HW Z2 V2 RH

| d mm | D mm | D₂ mm | S mm | | ORDER NO. Right-hand rotation |
|---|---|---|---|---|---|
| 4 | 12 | 10 | 10 | 10 | **515.412.11A** |
| 4 | 14 | 12 | 10 | 10 | **515.414.11A** |
| 4 | 15 | 14 | 10 | 10 | **515.415.11A** |
| 5 | 15 | 14 | 10 | 10 | **515.515.11A** |
| 6 | 14 | 12 | 10 | 10 | **515.614.11A** |
| 6 | 15 | 14 | 10 | 10 | **515.615.11A** |

| Spare Parts | | |
|---|---|---|
| 515.412.11 | 517.040.51P | 541.101.00 |
| 515.414.11 | 517.040.51P | 541.121.00 |
| 515.415.11 | 517.040.51P | 541.141.00 |
| 515.515.11 | 517.050.51P | 541.141.00 |
| 515.614.11 | 517.060.51P | 541.121.00 |
| 515.615.11 | 517.060.51P | 541.141.00 |

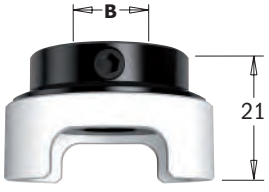
*Spare Parts:* **990.014.00** Screw
**991.060.00** Hex key




**TECHNICAL DETAILS:**
- Strength steel.
- Countersink: 2 carbide tipped cutting edges [Z2] at 90°.
- Fastening screw for quick and easy drill bit change.
- HSS drill bit.
- Stop collars with precision clamping nut for quick and easy assembly.
- The DELRIN® protection sleeve lets you work without marring the workpiece.

**APPLICATION:**
for drilling countersink and blind holes in solid wood, wood derivatives and laminates.
For use with hand-held power drills or drill presses.

# Stop Collars with DELRIN® Sleeve




## 541

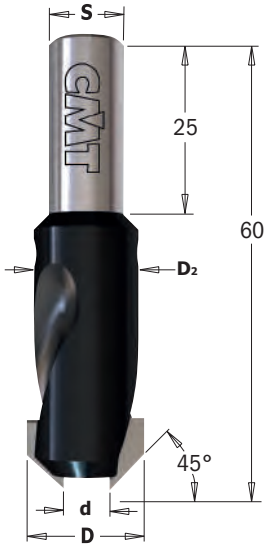
| B mm | | ORDER NO. |
|---|---|---|
| 10 | 1 | **541.101.00** |
| 12 | 1 | **541.121.00** |
| 14 | 1 | **541.141.00** |

| Spare Parts | |
|---|---|
| 990.014.00 | 991.060.00 |
| 990.014.00 | 991.060.00 |
| 990.014.00 | 991.060.00 |

**TECHNICAL DETAILS:**
- Stop collars with precision clamping nut for quick and easy assembly.
- The DELRIN® protection sleeve lets you work without marring the workpiece.

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

# 45° Countersink with Parallel Shank

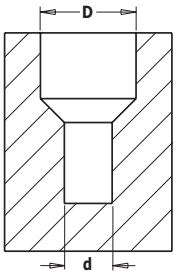



## 521

HW Z2 RH LH

| d mm | D mm | $D_2$ mm | A | S mm | | ORDER NO. Right-hand rotation | ORDER NO. Left-hand rotation | Spare Parts |
|---|---|---|---|---|---|---|---|---|
| 3 | 12 | 10 | 45° | 8 | 10 | **521.312.11** | **521.312.12** | 990.014.00 |
| 4 | 12 | 10 | 45° | 8 | 10 | **521.412.11** | **521.412.12** | 990.014.00 |
| 4.5 | 16 | 14 | 45° | 10 | 10 | **521.4516.11** | | 990.014.00 |
| 5 | 16 | 14 | 45° | 10 | 10 | **521.516.11** | **521.516.12** | 990.014.00 |
| 6 | 16 | 14 | 45° | 10 | 10 | **521.616.11** | **521.616.12** | 990.014.00 |

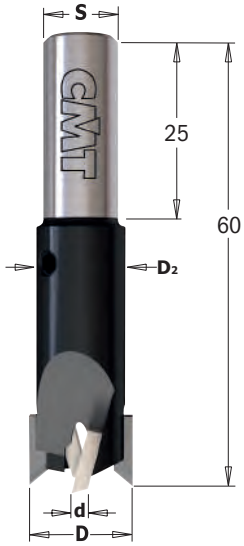
*Spare parts:* **991.060.00** 2mm hex key




**TECHNICAL DETAILS:**
- Strength steel.
- Countersink: 2 carbide tipped cutting edges [Z2] at 45°.
- Fastening screw for quick and easy drill bit change.

**APPLICATION:**
for use with spiral bits featuring a parallel shank of equal dimension to countersink shank diameter.

# 90° Countersink with Parallel Shank

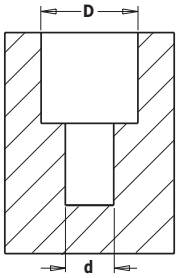



## 515

HW Z2 V2 RH

| d mm | D mm | $D_2$ mm | A | S mm | | ORDER NO. Right-hand rotation | | Spare Parts |
|---|---|---|---|---|---|---|---|---|
| 4 | 12 | 10 | 90° | 10 | 10 | **515.412.11** | | 990.014.00 |
| 4 | 14 | 12 | 90° | 10 | 10 | **515.414.11** | | 990.014.00 |
| 4 | 15 | 14 | 90° | 10 | 10 | **515.415.11** | | 990.014.00 |
| 5 | 15 | 14 | 90° | 10 | 10 | **515.515.11** | | 990.014.00 |
| 6 | 14 | 12 | 90° | 10 | 10 | **515.614.11** | | 990.014.00 |
| 6 | 15 | 14 | 90° | 10 | 10 | **515.615.11** | | 990.014.00 |

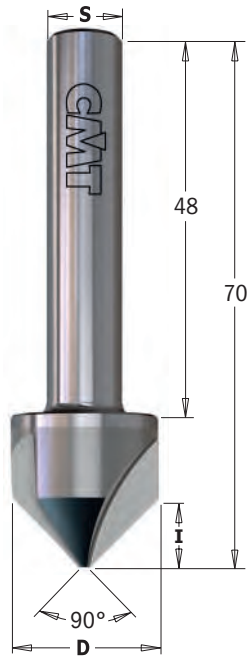
*Spare parts:* **991.060.00** 2mm hex key




**TECHNICAL DETAILS:**
- Strength steel.
- Countersink: 2 carbide tipped cutting edges [Z2] at 90°.
- Fastening screw for quick and easy drill bit change.

**APPLICATION:**
for use with spiral bits featuring a parallel shank of equal dimension to countersink shank diameter.

# 90° Solid Carbide Countersink with Parallel Shank



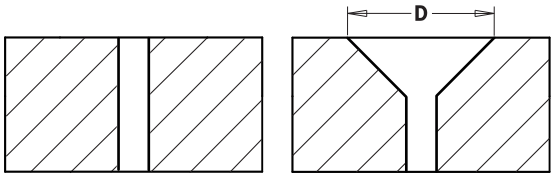

## 521

HWM Z3 RH

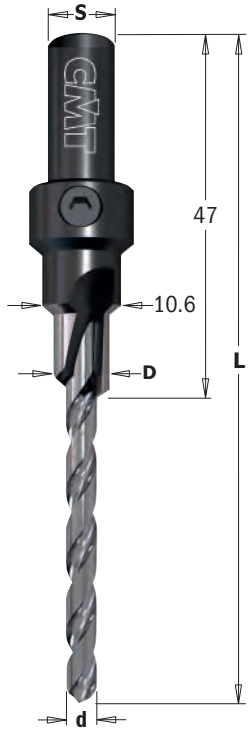
| D mm | I mm | L mm | S mm | | ORDER NO. Right-hand rotation | |
|---|---|---|---|---|---|---|
| 19.5 | 9 | 70 | 10x48 | 10 | **521.002.11** | |

**TECHNICAL DETAILS:**
- Premium quality strength steel body.
- High quality HW tip.
- 3 cutting edges [Z3] at 90°.
- Parallel shank.

**APPLICATION:**
for making 90° countersinks for the insertion of screws that sit flush with the surface.
Suitable for wood, wood-based, non-ferrous materials and metal.




# Drill Bit with Countersink for Screw Joints



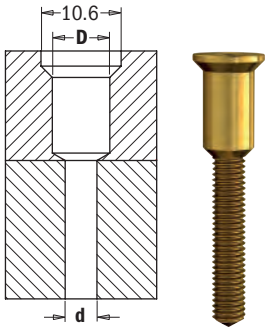

## 515

SP Z1 RH

| d mm | D mm | L mm | S mm | | ORDER NO. Right-hand rotation | |
|---|---|---|---|---|---|---|
| 4.2 | 7.6 | 87 | 9 | 1 | **515.042.31** | |
| 5 | 7.6 | 93.7 | 9 | 1 | **515.050.31** | |

**TECHNICAL DETAILS:**
- SP steel.
- Countersink: 1 SP cutting edge [Z1].
- HSS drill bit.

**APPLICATION:**
for drilling blind holes in soft and hardwood.



# CMT XTREME FAST AND PUSH&LOCK SYSTEMS: NEXT GENERATION HOLE SAW

XTREME FAST | PUSH & LOCK

These hole saws, equipped with the new **XTREME FAST** system, have been improved to ensure maximum productivity, lifetime and unbeatable performance in all materials. The innovative patented **PUSH&LOCK** system makes the traditional hole saw arbor obsolete.

NEW FEATURES: **1.** One **PUSH&LOCK** arbor for all Hole Saw Series & Diameters. **2.** Change your Hole Saw, with a simple **PUSH&LOCK**. **3.** Release Plug with a push. **4.** Enlarge the existing hole.

## SERIES 550X: MULTI-PURPOSE - HW

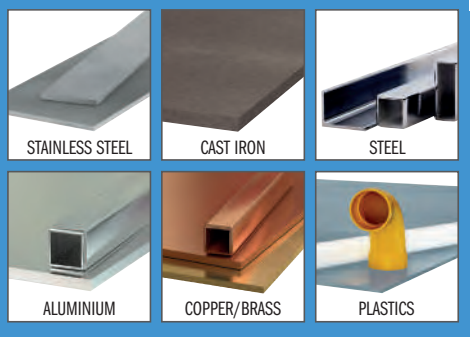
HW
10X LONGER LIFE
FASTER 5X

### MATERIALS

## SERIES 551X: BI-METAL PLUS

BIM 8% Co
2X LONGER LIFE

### MATERIALS




## SERIES 552: DIAMOND DRY

GRIT
LONG LIFE

### MATERIALS

## CLAMSHELL PACKAGING

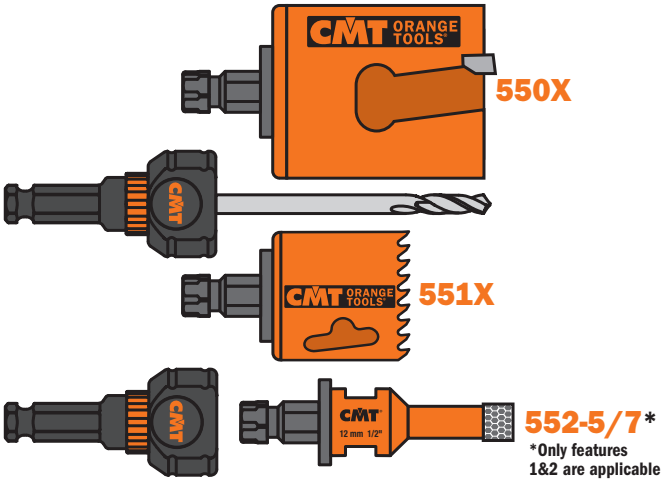
**Hole Saws ≥Ø160mm are packaged in a carton box.**

# HOLE SAWS & MULTI-MATERIAL WHEELS

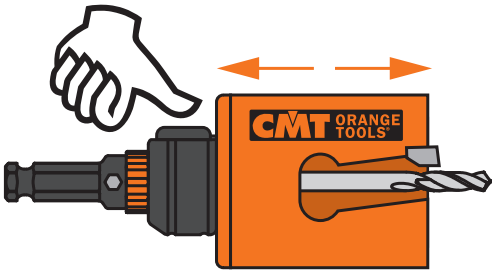
| PRODUCTS | PAGE |
|---|---|
| Toolcase for XTREME FAST Hole Saws | 385 |
| XTREME FAST Hole Saw Arbors, Pilot Drills & Kit | 386 |
| XTREME FAST Hole Saw Adaptors | 387 |
| XTREME FAST Multi-Purpose Hole Saws-HW | 388-389 |
| XTREME FAST Bi-Metal Plus Hole Saw | 390-391 |
| Diamond Dry Hole Saws for Drill | 392-393 |
| Diamond Dry Hole Saws for Angle Grinder | 394-395 |
| Multi-Materials Carbide Wheel | 396 |
| Multi-Materials Diamond Dry Wheel | 396 |

# CMT XTREME FAST AND PUSH&LOCK SYSTEMS: NEXT GENERATION HOLE SAW

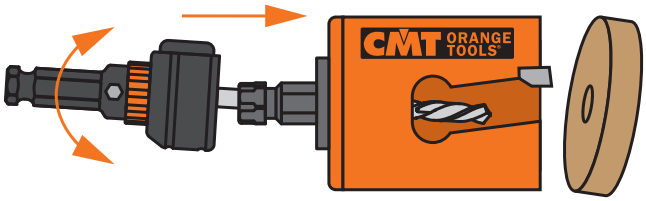
## 1. One PUSH&LOCK arbor for all Hole Saw Series & Diameters



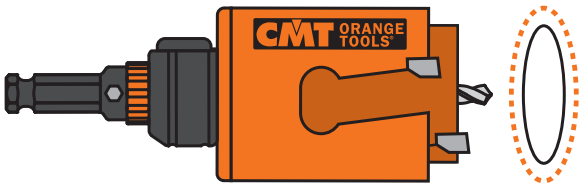
## 2. Change your Hole Saw with a simple PUSH&LOCK



## 3. Release Plug with a push



## 3. Release Plug with a push



XTREME FAST

PUSH & LOCK

*The toolcase is provided empty, image is purely indicative.*
*A toolcase can contain 1 PUSH&LOCK arbor, 1 Pilot Drill and relative number of XTREME FAST Hole Saws.*
*The number of Hole Saws to be contained is dependent on diameter.*

UP TO 11 HOLE SAWS

UP TO 24 HOLE SAWS

UP TO 63 HOLE SAWS

| DESCRIPTION | ORDER NO. |
|---|---|
| Toolcase SMALL - Up to 11 Hole Saws | 03.01.0531 |
| Toolcase MEDIUM - Up to 24 Hole Saws | 03.01.0532 |
| Toolcase LARGE - Up to 63 Hole Saws | 03.01.0533 |

**FOR FREE!**

Toolcase **SMALL** (empty) is yours free when you purchase any **10PCS** of the **XTREME FAST** series.

Toolcase **MEDIUM** (empty) is yours free when you purchase any **20PCS** of the **XTREME FAST** series.

Toolcase **LARGE** (empty) is yours free when you purchase any **40PCS** of the **XTREME FAST** series.

## Extension for PUSH&LOCK arbors

new

### 55EX

Extension for **PUSH&LOCK** arbors **550-PH85** & **550-PH11**.

PUSH & LOCK

| S=B mm | S=B inches | L mm | L inches | ORDER NO. |
|---|---|---|---|---|
| HEX8.5 | HEX11/32 | 150 | 6 | 55EX-8506 |
| HEX8.5 | HEX11/32 | 300 | 12 | 55EX-8512 |
| HEX8.5 | HEX11/32 | 450 | 18 | 55EX-8518 |
| HEX11 | HEX7/16 | 150 | 6 | 55EX-1106 |
| HEX11 | HEX7/16 | 300 | 12 | 55EX-1112 |
| HEX11 | HEX7/16 | 450 | 18 | 55EX-1118 |

HEXAGONAL SHANK HEX8.5 11/32" QUICK CONNECT

HEXAGONAL SHANK HEX11 7/16" QUICK CONNECT

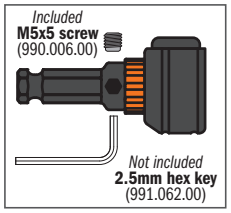
# One PUSH&LOCK arbor for all Hole Saw Series & Diameters

## 550-PH85

**PUSH&LOCK** arbor for **XTREME FAST** system, shank **HEX8.5**mm (11/32").
Compatible with chucks ≤10mm (25/64").
**HSS** pilot drill (**550-PD02** included)

Suitable for Series: 550X 551X 552-5/7

HEXAGONAL SHANK HEX8.5 11/32" QUICK CONNECT

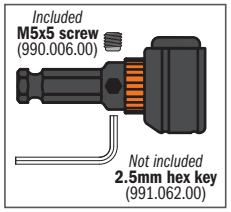



## 550-PH11

**PUSH&LOCK** arbor for **XTREME FAST** system, shank **HEX11**mm (7/16").
Compatible with chucks ≤13mm (1/2"). **HEAVY DUTY.**
**HSS** pilot drill (**550-PD02** included)

Suitable for Series: 550X 551X 552-5/7

HEXAGONAL SHANK HEX11 7/16" QUICK CONNECT

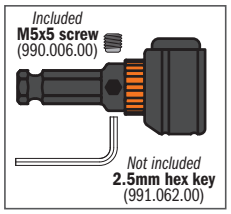



## 550-PHSD

**PUSH&LOCK** arbor for **XTREME FAST** system, shank **SDS PLUS**.
Compatible with SDS PLUS power tools.
**HSS** pilot drill (**550-PD02** included)

Suitable for Series: 550X 551X 552-5/7

SDS PLUS SHANK SDS PLUS

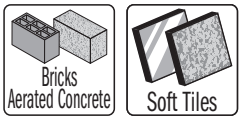



## 550-PD01

**HW** Pilot drill for **PUSH&LOCK** arbor, Ø7mm (17/64"), L=125mm (4-15/16").

Suitable for Series: 550X

MATERIALS




## 550-PD02

**HSS** Pilot drill for **PUSH&LOCK** arbor, Ø6.35mm (1/4"), L=125mm (4-15/16").

Suitable for Series: 550X 551X

MATERIALS

PACK QTY. 10 pcs.

CMT ORANGE TOOLS®

# XTREME FAST system is compatible with all Hole Saw Series & Diameters

XTREME FAST

## 550-PA01 (3 pcs.)

**XTREME FAST** Adaptor 1/2"-20 for hole saw Ø16~30mm (5/8"~1-3/16")

1/2"-20 SPINDLE

13mm

3 PCS

Suitable for Series:

550X 551X

Ø16~30mm (5/8"~1-3/16")

## 550-PA02 (3 pcs.)

**XTREME FAST** Adaptor 5/8"-18 for hole saw Ø32~150mm (1-1/4"~5-29/32")

5/8"-18 SPINDLE

13mm

3 PCS

Suitable for Series:

550X 551X

Ø32~150mm (1-1/4"~5-29/32")

## 550-PA03 (3 pcs.)

**XTREME FAST** Adaptor 5/8"-18 for hole saw ≥Ø152mm (6")

5/8"-18 SPINDLE & SCREWS

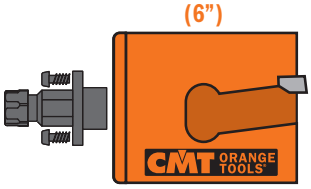
13mm

3 PCS

Suitable for Series:

550X 551X

≥Ø152mm (6")



## 550-PA04 (3 pcs.)

**XTREME FAST** Adaptor M14 for hole saw series 552-5

M14 SPINDLE

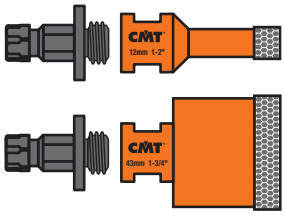
13mm

3 PCS

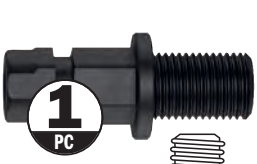
Suitable for Series:

552-5*

*Pilot drill of PUSH&LOCK arbor must be disassembled during use with this series



## 550-PA05 KIT FOR ENLARGMENT EXISTING HOLE (3 pcs. LONG SPINDLE)



1 PC

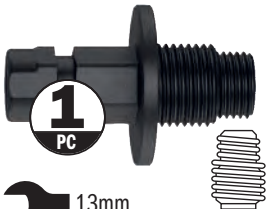
13mm

1/2"-20 LONG SPINDLE

1 PC

13mm

5/8"-18 LONG SPINDLE



1 PC

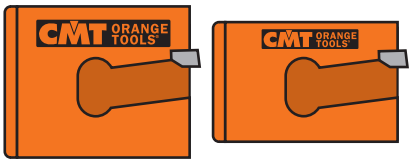
13mm

5/8"+ 1/2" LONG SPINDLE

Suitable for Series:

550X 551X

Example of assembly for existing hole enlargment



## 550-PA06 STARTER KIT (1 pc. 550-PH85, 2 pcs. 550-PA01, 3 pcs. 550-PA02)

HEXAGONAL SHANK HEX8.5 11/32" QUICK CONNECT

PUSH & LOCK

1 PC 550-PH85

HSS

550-PA01 2 PCS

13mm

1/2"-20 SPINDLE

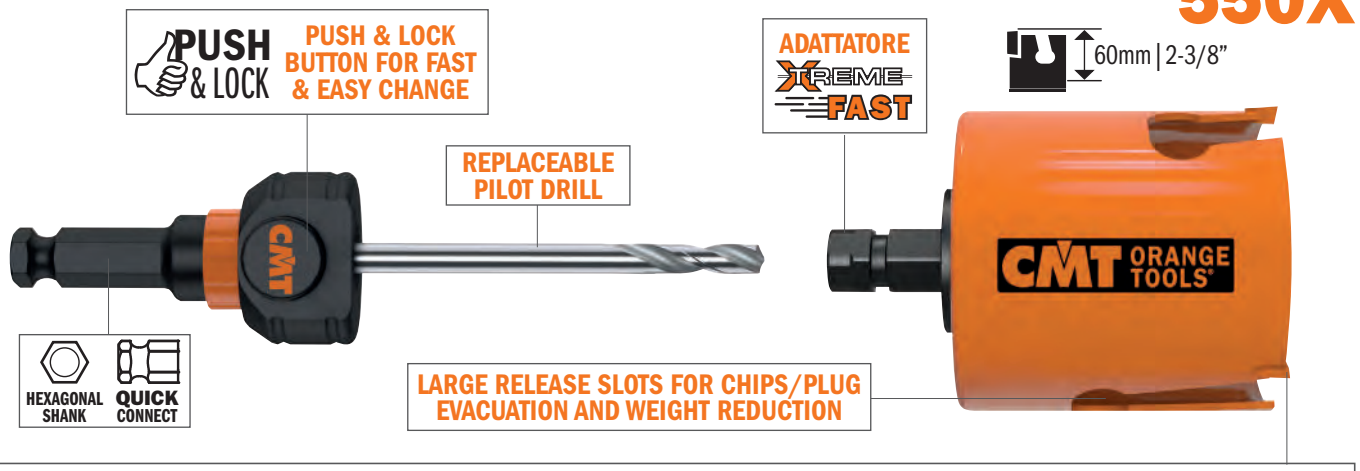
550-PA02 3 PCS

13mm

5/8"-18 SPINDLE

CMT ORANGE TOOLS®

# 550X




**SECURED TOOTH TECHNOLOGY**
Thanks to advanced technology, cutting teeth are securely anchored to body, which means they stand up better to hard materials and breakage.

FASTER 5X

10X LONGER LIFE

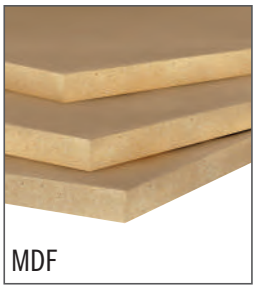
**CONSTRUCTION CARBIDE**
Specially formulated construction carbide, used for cutting teeth provide 10X times longer cutting life and performs 5X faster then the standard hole saw.

HW

## MATERIALS

WOOD

PLYWOOD


MDF

LAMINATES

PLASTERBOARD

PLASTICS

BRICKS

AERATED CONCRETE

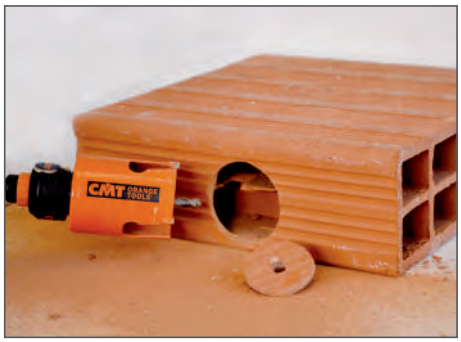
SOFT TILES

**SPEED KILLS!**
Operating at higher speeds than those indicated will shorten hole saw life and produce pour quality holes.

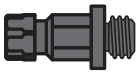
**PRE-BORE:**
For best results, always pre-bore with the pilot drill only.

**NEVER USE HAMMER MECHANISM WITH THESE HOLESAWS!**

**APPLICATIONS:** examples on wood, brick, plastic.



CMT ORANGE TOOLS®



**ALL HOLE SAWS 550X ARE EQUIPPED WITH AN XTREME FAST ADAPTOR** XTREME FAST

| D mm | D inches | Z | WOOD/PLYWOOD RPM* | MDF/LAMINATES RPM* | PLASTERBOARD RPM* | PLASTICS RPM* | BRICK/AERATED CONCRETE RPM* | SOFT TILES RPM* | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|---|
| 19 | 3/4 | 1 | 2300 | 2300 | 2300 | 2100 | 900 | 700 | 10 | 550-019X |
| 20 | 25/32 | 1 | 2200 | 2200 | 2200 | 2000 | 900 | 600 | 10 | 550-020X |
| 22 | 7/8 | 1 | 2000 | 2000 | 2000 | 1800 | 800 | 600 | 10 | 550-022X |
| 25 | 1 | 1 | 1800 | 1800 | 1800 | 1600 | 700 | 500 | 10 | 550-025X |
| 29 | 1-1/8 | 1 | 1500 | 1500 | 1500 | 1400 | 600 | 400 | 10 | 550-029X |
| 30 | 1-3/16 | 1 | 1500 | 1500 | 1500 | 1300 | 600 | 400 | 10 | 550-030X |
| 32 | 1-1/4 | 1 | 1400 | 1400 | 1400 | 1200 | 500 | 400 | 10 | 550-032X |
| 35 | 1-3/8 | 1 | 1300 | 1300 | 1300 | 1100 | 500 | 300 | 10 | 550-035X |
| 38 | 1-1/2 | 2 | 1100 | 1100 | 1100 | 1000 | 400 | 300 | 10 | 550-038X |
| 40 | 1-9/16 | 2 | 1100 | 1100 | 1100 | 1000 | 400 | 300 | 10 | 550-040X |
| 44 | 1-3/4 | 2 | 1000 | 1000 | 1000 | 900 | 400 | 300 | 10 | 550-044X |
| 48 | 1-7/8 | 2 | 900 | 900 | 900 | 800 | 300 | 200 | 10 | 550-048X |
| 51 | 2 | 3 | 800 | 800 | 800 | 800 | 300 | 200 | 10 | 550-051X |
| 52 | 2-1/16 | 3 | 800 | 800 | 800 | 700 | 300 | 200 | 10 | 550-052X |
| 54 | 2-1/8 | 3 | 800 | 800 | 800 | 700 | 300 | 200 | 10 | 550-054X |
| 56 | 2-3/16 | 3 | 800 | 800 | 800 | 700 | 300 | 200 | 10 | 550-056X |
| 57 | 2-1/4 | 3 | 700 | 700 | 700 | 700 | 300 | 200 | 10 | 550-057X |
| 60 | 2-3/8 | 3 | 700 | 700 | 700 | 600 | 300 | 200 | 10 | 550-060X |
| 64 | 2-1/2 | 3 | 700 | 700 | 700 | 600 | 200 | 200 | 10 | 550-064X |
| 65 | 2-9/16 | 3 | 700 | 700 | 700 | 600 | 200 | 200 | 10 | 550-065X |
| 68 | 2-11/16 | 3 | 600 | 600 | 600 | 600 | 200 | 100 | 10 | 550-068X |
| 70 | 2-3/4 | 3 | 600 | 600 | 600 | 500 | 200 | 100 | 10 | 550-070X |
| 73 | 2-7/8 | 3 | 600 | 600 | 600 | 500 | 200 | 100 | 10 | 550-073X |
| 76 | 3 | 4 | 500 | 500 | 500 | 500 | 200 | 100 | 10 | 550-076X |
| 79 | 3-1/8 | 4 | 500 | 500 | 500 | 500 | 200 | 100 | 10 | 550-079X |
| 80 | 3-5/32 | 4 | 500 | 500 | 500 | 500 | 200 | 100 | 10 | 550-080X |
| 82 | 3-15/64 | 4 | 500 | 500 | 500 | 500 | 200 | 100 | 10 | 550-082X |
| 83 | 3-1/4 | 4 | 500 | 500 | 500 | 400 | 200 | 100 | 10 | 550-083X |
| 89 | 3-1/2 | 4 | 500 | 500 | 500 | 400 | 200 | 100 | 10 | 550-089X |
| 92 | 3-5/8 | 4 | 400 | 400 | 400 | 400 | 200 | 100 | 10 | 550-092X |
| 102 | 4 | 5 | 400 | 400 | 400 | 400 | 100 | 100 | 5 | 550-102X |
| 105 | 4-1/8 | 5 | 400 | 400 | 400 | 300 | 100 | 100 | 5 | 550-105X |
| 108 | 4-1/4 | 5 | 400 | 400 | 400 | 300 | 100 | 100 | 5 | 550-108X |
| 111 | 4-3/8 | 5 | 400 | 400 | 400 | 300 | 100 | 100 | 5 | 550-111X |
| 114 | 4-1/2 | 5 | 300 | 300 | 300 | 300 | 100 | 100 | 5 | 550-114X |
| 118 | 4-5/8 | 6 | 300 | 300 | 300 | 300 | 100 | 100 | 2 | 550-118X |
| 127 | 5 | 6 | 300 | 300 | 300 | 300 | 100 | 100 | 2 | 550-127X |
| 133 | 5-1/4 | 6 | 300 | 300 | 300 | 300 | 100 | 100 | 2 | 550-133X |
| 152 | 6 | 6 | 200 | 200 | 200 | 200 | 100 | 50 | 2 | 550-152X |
| 160 | 6-5/16 | 7 | 200 | 200 | 200 | 200 | 100 | 50 | 1 | 550-160X |
| 168 | 6-5/8 | 7 | 200 | 200 | 200 | 200 | 100 | 50 | 1 | 550-168X |
| 185 | 7-5/16 | 8 | 200 | 200 | 200 | 200 | 100 | 50 | 1 | 550-185X |
| 210 | 8-1/4 | 8 | 200 | 200 | 200 | 100 | 50 | 50 | 1 | 550-210X |

*SUGGESTED RPM

COUNTERSINK

# 550CSX

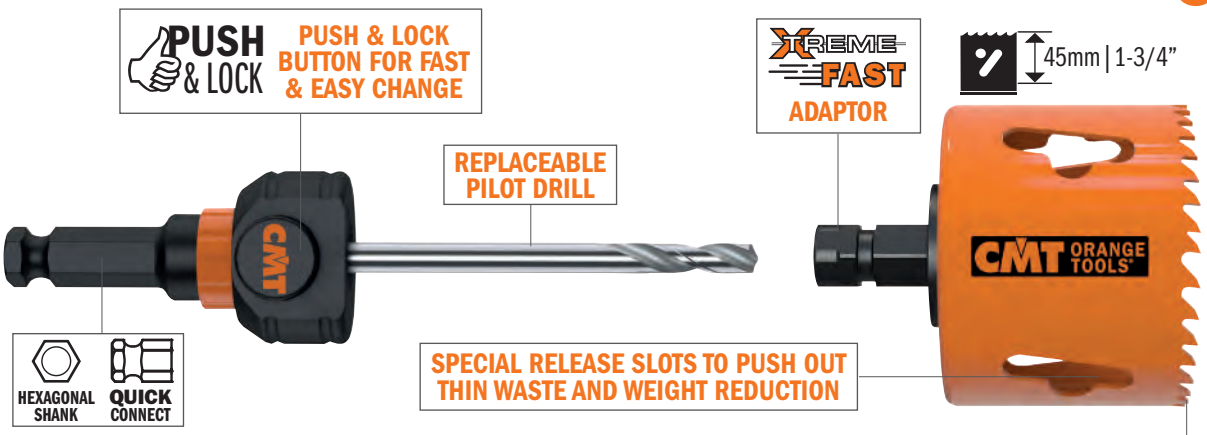
**APPLICATIONS**
electric flush-mount case installation.

*Example of commercial electric flush-mount boxes.*

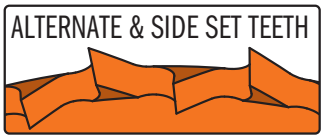
| D mm | D inches | Z | WOOD/PLYWOOD RPM* | MDF/LAMINATES RPM* | PLASTERBOARD RPM* | PLASTICS RPM* | BRICK/AERATED CONCRETE RPM* | SOFT TILES RPM* | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|---|
| 68 - 73 | 2-11/16 - 2-7/8 | 3+3 | 600 | 600 | 600 | 600 | 200 | 100 | 10 | 550-068CSX |

CMT ORANGE TOOLS®

# 551X




**TOOTH DESIGN**
Special tooth geometry with variable pitch (4~6 TPI) provides a smoother cut and better chip clearance preventing clogging and heat build-up.
Teeth are alternate & side set to minimize binding and friction therefore requiring less feed pressure.

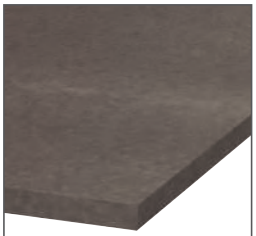


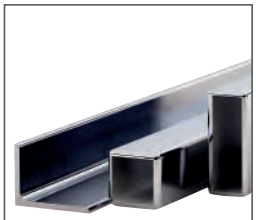

**BI-METAL 8% COBALT**
Teeth made with Bi-metal 8% Cobalt provide extreme results. Superior performance and 2X longer cutting life then the standard hole saw.

BIM 8% Co — 2X LONGER LIFE

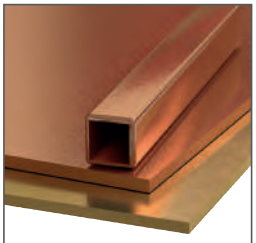
## MATERIALS

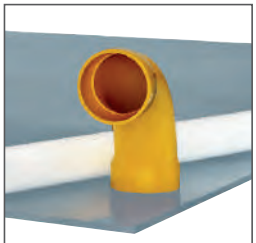
STAINLESS STEEL


CAST IRON


STEEL

ALUMINIUM


COPPER/BRASS


PLASTICS

## COOLING LUBRICANT:

When drilling metals, lubrication serves several purposes:
- it cools the saw and workpiece
- it reduces heat and abrasion which shortens cutting life
- it helps remove swarf from the cutting surface
- it extends hole saw life by 500%.

## SPEED KILLS!

Operating at higher speeds than those indicated will shorten hole saw life and produce pour quality holes.

## FEED PRESSURE:

Always consider materials in use and project type. Apply sufficient feed pressure to aid proper chip removal. Reduce the pressure when hole saw becomes hot or if teeth start to clog. Insufficient feed pressure will lead to premature tooth dulling. Too much pressure will damage teeth.

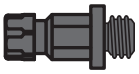
## PRE-BORE:

For best results, always pre-bore with the pilot drill only.

## NEVER USE HAMMER MECHANISM WITH THESE HOLESAWS!

NEVER USE HAMMER MECHANISM

## APPLICATIONS: examples on steel, sandwich material.



**ALL HOLE SAWS 551X ARE EQUIPPED WITH AN XTREME FAST ADAPTOR**

| D mm | D inches | STAINLESS STEEL RPM* | CAST IRON RPM* | STEEL RPM* | ALUMINIUM RPM* | COPPER/BRASS RPM* | PLASTICS RPM* | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|
| 16 | 5/8 | 160 | 240 | 320 | 500 | 500 | 500 | 10 | **551-016X** |
| 19 | 3/4 | 140 | 200 | 280 | 420 | 420 | 420 | 10 | **551-019X** |
| 20 | 25/32 | 120 | 200 | 260 | 400 | 400 | 400 | 10 | **551-020X** |
| 22 | 7/8 | 120 | 180 | 240 | 360 | 360 | 360 | 10 | **551-022X** |
| 25 | 1 | 100 | 160 | 200 | 320 | 320 | 320 | 10 | **551-025X** |
| 27 | 1-1/16 | 80 | 140 | 180 | 300 | 300 | 300 | 10 | **551-027X** |
| 29 | 1-1/8 | 80 | 140 | 180 | 280 | 280 | 280 | 10 | **551-029X** |
| 30 | 1-3/16 | 80 | 120 | 160 | 260 | 260 | 260 | 10 | **551-030X** |
| 32 | 1-1/4 | 80 | 120 | 160 | 240 | 240 | 240 | 10 | **551-032X** |
| 35 | 1-3/8 | 60 | 100 | 140 | 220 | 220 | 220 | 10 | **551-035X** |
| 38 | 1-1/2 | 60 | 100 | 140 | 200 | 200 | 200 | 10 | **551-038X** |
| 40 | 1-9/16 | 60 | 100 | 120 | 200 | 200 | 200 | 10 | **551-040X** |
| 43 | 1-11/16 | 60 | 80 | 120 | 180 | 180 | 180 | 10 | **551-043X** |
| 44 | 1-3/4 | 60 | 80 | 120 | 180 | 180 | 180 | 10 | **551-044X** |
| 48 | 1-7/8 | 40 | 80 | 100 | 160 | 160 | 160 | 10 | **551-048X** |
| 51 | 2 | 40 | 80 | 100 | 160 | 160 | 160 | 10 | **551-051X** |
| 52 | 2-1/16 | 40 | 60 | 100 | 140 | 140 | 140 | 10 | **551-052X** |
| 54 | 2-1/8 | 40 | 60 | 80 | 140 | 140 | 140 | 10 | **551-054X** |
| 57 | 2-1/4 | 40 | 60 | 80 | 140 | 140 | 140 | 10 | **551-057X** |
| 60 | 2-3/8 | 40 | 60 | 80 | 120 | 120 | 120 | 10 | **551-060X** |
| 64 | 2-1/2 | 40 | 60 | 80 | 120 | 120 | 120 | 10 | **551-064X** |
| 65 | 2-9/16 | 40 | 60 | 80 | 120 | 120 | 120 | 10 | **551-065X** |
| 68 | 2-11/16 | 20 | 60 | 60 | 120 | 120 | 120 | 10 | **551-068X** |
| 70 | 2-3/4 | 20 | 40 | 60 | 100 | 100 | 100 | 10 | **551-070X** |
| 73 | 2-7/8 | 20 | 40 | 60 | 100 | 100 | 100 | 10 | **551-073X** |
| 76 | 3 | 20 | 40 | 60 | 100 | 100 | 100 | 10 | **551-076X** |
| 79 | 3-1/8 | 20 | 40 | 60 | 100 | 100 | 100 | 10 | **551-079X** |
| 83 | 3-1/4 | 20 | 40 | 60 | 80 | 80 | 80 | 10 | **551-083X** |
| 86 | 3-3/8 | 20 | 40 | 60 | 80 | 80 | 80 | 10 | **551-086X** |
| 89 | 3-1/2 | 20 | 40 | 60 | 80 | 80 | 80 | 10 | **551-089X** |
| 92 | 3-5/8 | 20 | 40 | 40 | 80 | 80 | 80 | 10 | **551-092X** |
| 102 | 4 | 20 | 40 | 40 | 80 | 80 | 80 | 5 | **551-102X** |
| 105 | 4-1/8 | 20 | 20 | 40 | 60 | 60 | 60 | 5 | **551-105X** |
| 108 | 4-1/4 | 20 | 20 | 40 | 60 | 60 | 60 | 5 | **551-108X** |
| 114 | 4-1/2 | 20 | 20 | 40 | 60 | 60 | 60 | 5 | **551-114X** |
| 127 | 5 | 20 | 20 | 40 | 60 | 60 | 60 | 2 | **551-127X** |
| 133 | 5-1/4 | 20 | 20 | 40 | 60 | 60 | 60 | 2 | **551-133X** |
| 140 | 5-1/2 | 10 | 20 | 20 | 40 | 40 | 40 | 2 | **551-140X** |
| 152 | 6 | 10 | 20 | 20 | 40 | 40 | 40 | 2 | **551-152X** |
| 168 | 6-5/8 | 10 | 20 | 20 | 40 | 40 | 40 | 1 | **551-168X** |

***SUGGESTED RPM**

CMT ORANGE TOOLS®

# 552

Diamond dry hole saws with continuous edge have been specially developed for professionals that need to drill in extremely tough materials like **HARD TILES (ceramic, gres, etc.), HARD STONES (granite, marble, etc.), ARTIFICAL STONES (OKITE®, SILESTONE®, etc.)**, in which it is increasingly difficult to drill with conventional hole saws. Drilling other masonry materials is also possible, but it will reduce tool life. These hole saws guarantee excellent performance and superior lifetime!

## MATERIALS

HARD TILES

HARD STONES

ARTIFICIAL STONES

GRIT

**DIAMOND GRIT**
Diamond grit featuring strong cubo-octahedral inclusion-free heat-resistant crystals, guarantees fast clean cutting and longer cutting life then the standard hole saw.

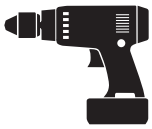
LONG LIFE

AVAILABLE WITH SHANK

HEXAGONAL SHANK

M14 SPINDLE

HEXAGONAL SHANK



RPM 2200 ~ 4000*

Filled with cooling wax **552-WAX**

## 552-0 FOR DRILL

| D mm | D inches | I mm | L mm | HARD TILES (CERAMIC & GRES) HARD STONES, ARTIFICAL STONES | S | | ORDER NO. |
|---|---|---|---|---|---|---|---|
| 5 | 3/16 | 30 | 68 | RPM 2200 ~ 4000 * | HEX | 10 | 552-005 |
| 6 | 1/4 | 30 | 68 | RPM 2200 ~ 4000 * | HEX | 10 | 552-006 |
| 8 | 5/16 | 40 | 80 | RPM 2200 ~ 4000 * | HEX | 10 | 552-008 |
| 10 | 3/8 | 40 | 80 | RPM 2200 ~ 4000 * | HEX | 10 | 552-010 |
| 12 | 1/2 | 40 | 80 | RPM 2200 ~ 4000 * | HEX | 10 | 552-012 |
| 14 | 9/16 | 40 | 80 | RPM 2200 ~ 4000 * | HEX | 10 | 552-014 |
| 16 | 5/8 | 40 | 80 | RPM 2200 ~ 4000 * | HEX | 10 | 552-016 |

***We recommend the use of a high speed drill (minimum 14V)**

## 552-001-05

**5 PIECE HOLE SAW SET**

- **552-005** Ø5mm
- **552-006** Ø6mm
- **552-008** Ø8mm
- **552-010** Ø10mm
- **552-012** Ø12mm

PACK QTY. 10 PCS.

## 552-WAX

**COOLING & LUBRICATING WAX**

While drilling, the wax will melt away (eliminated along with drilling waste). This facilitates cooling and lubrication. Replenish wax after every use (when still warm) to extend lifetime.

**Jar 30ml. (1 fl.oz)**

PACK QTY. 10 PCS.

COOLANT LUBRICANT | EXTEND LIFETIME

new

Bottle 250gr. (8.82 oz)

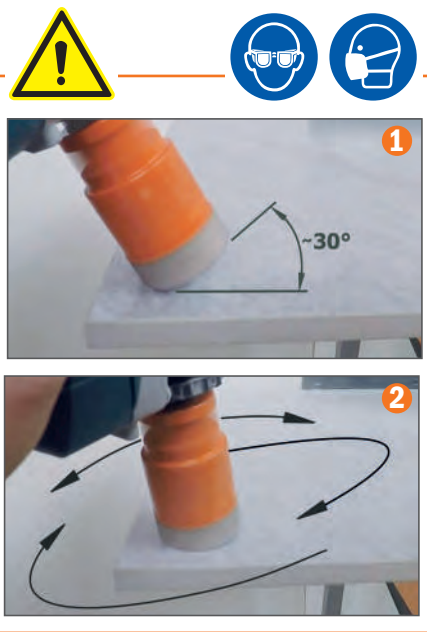
PACK QTY. 25 PCS.

## 552-GEL DIAMOND GEL

COOLANT LUBRICANT | EXTEND LIFETIME | CAPTURES DUST

Apply the gel to the desired spot and begin drilling. It does not drip, making it suitable for use on vertical surfaces.

The gel reduces the working temperature, significantly extending diamond hole saw life. It also captures the dust generated during drilling, allowing for easy removal and keeping the work area clean.






® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

**M14**
SPINDLE

MAX RPM
14000

19mm
3/4”

Filled with
cooling wax
**552-WAX**
(until Ø16mm)

≥ Ø18mm
without cooling wax

## 552-5 FOR ANGLE GRINDER

| | D mm | D inches | I mm | L mm | HARD TILES (CERAMIC & GRES) HARD STONES, ARTIFICAL STONES | S | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|
| | 5 | 3/16 | 35 | 60 | MAX RPM 14000 | M14 | 10 | 552-505 |
| | 6 | 1/4 | 35 | 60 | MAX RPM 14000 | M14 | 10 | 552-506 |
| | 8 | 5/16 | 35 | 60 | MAX RPM 14000 | M14 | 10 | 552-508 |
| | 10 | 3/8 | 35 | 60 | MAX RPM 14000 | M14 | 10 | 552-510 |
| | 12 | 1/2 | 35 | 60 | MAX RPM 14000 | M14 | 10 | 552-512 |
| | 14 | 9/16 | 35 | 60 | MAX RPM 14000 | M14 | 10 | 552-514 |
| | 16 | 5/8 | 35 | 60 | MAX RPM 14000 | M14 | 5 | 552-516 |
| | 18 | 45/64 | 35 | 60 | MAX RPM 14000 | M14 | 5 | 552-518 |
| | 20 | 13/16 | 35 | 60 | MAX RPM 14000 | M14 | 5 | 552-520 |
| | 25 | 1 | 40 | 60 | MAX RPM 14000 | M14 | 5 | 552-525 |
| | 28 | 1-1/8 | 40 | 60 | MAX RPM 14000 | M14 | 5 | 552-528 |
| new | 30 | 1-3/16 | 40 | 60 | MAX RPM 14000 | M14 | 5 | 552-530 |
| | 35 | 1-3/8 | 40 | 60 | MAX RPM 14000 | M14 | 5 | 552-535 |
| new | 40 | 1-9/16 | 40 | 60 | MAX RPM 14000 | M14 | 5 | 552-540 |
| | 43 | 1-3/4 | 40 | 60 | MAX RPM 14000 | M14 | 5 | 552-543 |
| | 51 | 2 | 40 | 60 | MAX RPM 14000 | M14 | 5 | 552-551 |
| | 55 | 2-3/16 | 40 | 60 | MAX RPM 14000 | M14 | 5 | 552-555 |
| new | 60 | 2-3/8 | 40 | 60 | MAX RPM 14000 | M14 | 5 | 552-560 |
| | 68 | 2-11/16 | 40 | 60 | MAX RPM 14000 | M14 | 5 | 552-568 |

Watch the video on YouTube

## 552-501-06
**6 PIECE HOLE SAW SET**

- **552-506** Ø6mm
- **552-508** Ø8mm
- **552-510** Ø10mm
- **552-512** Ø12mm
- **552-GUIDE**
- **552-EX14**

**PACK QTY. 10 PCS.**

## 552-GUIDE

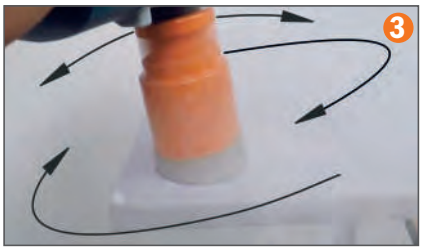
Drill Guide with Suction Cups - 7 holes
Ø4 - 5 - 6 - 7 - 8 - 10 - 12mm
Ø5/32” - 3/16” - 1/4“- 9/32” - 5/16” - 3/8” - 1/2”
**PACK QTY. 10 PCS.**

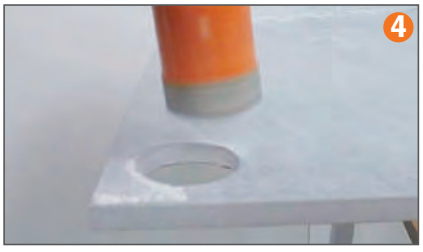
## 550-PA04

**XTREME FAST** Adaptor M14
(series **552-5**) for
**PUSH&LOCK** System *(see page 387)*

## 552-EX14

Hexagonal adaptor M14
(series **552-5**) for drills



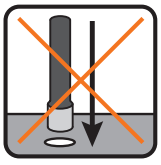



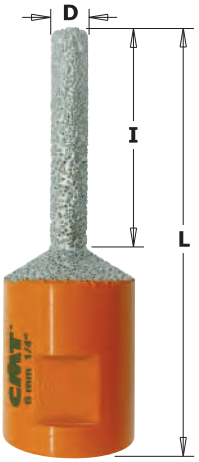

## 552 RECOMMENDATIONS FOR USE:

Turn on drill to start tool rotation. Begin drilling at a 30° angle – this is the angle measured between the hole saw and the working surface. Cutting at an angle will prevent tool from slipping and facilitate precision centering. To improve stability during operation, use the working surface as leverage by resting the drill against it. Continue the cut vertically, accompanying the tool in an orbital motion. This will favor better cooling and chip evacuation. (If you are using a guide, begin the cut vertically, then lift the guide and continue cutting in an orbital motion).
Remember, the hole saw is not a drill bit. Attempting to bore holes perpendicular to the work surface on a frequent basis will drastically reduce tool lifespan. Using water as a cooling agent may help extend the life of the hole saw.

**RPM SUGGESTED?** High RPM values reduce the possibility of damaging/burning the diamond edge, ensuring a longer life.

**NEVER USE HAMMER MECHANISM WITH THESE HOLESAWS!**






552-506M

552-520M

M14
SPINDLE

MAX RPM
14000

19mm
3/4”

## 552-M FOR ANGLE GRINDER

| D mm | D inches | I mm | L mm | S | | ORDER NO. |
|---|---|---|---|---|---|---|
| 6 | 1/4 | 35 | 65 | M14 | 5 | 552-506M |
| 20 | 13/16 | 50 | 65 | M14 | 5 | 552-520M |

**APPLICATIONS:**
for Milling, Enlarging, Shaping,
Countersinking on Existing Holes.

**TIPS:**
it can also be used to create lateral semicircular recesses
(for cables, pipes, etc.)

DO NOT USE
FOR DRILLING

**MATERIALS**

HARD TILES

HARD STONES

ARTIFICIAL STONES

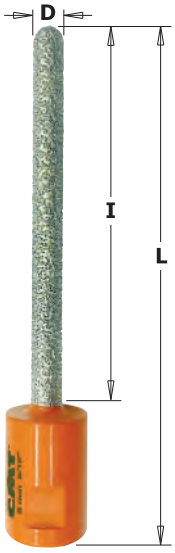
## 550-PA04

**XTREME FAST** Adaptor M14
(series 552-5) for
**PUSH&LOCK** System *(see page 387)*

## 552-EX14

Hexagonal adaptor M14
(series 552-5) for drills

Diamond Dry Special Bits



M14
SPINDLE

MAX RPM
14000

19mm
3/4”

## 552-508M FOR ANGLE GRINDER

| D mm | D inches | I mm | L mm | S | | ORDER NO. |
|---|---|---|---|---|---|---|
| 8 | 5/16 | 100 | 130 | M14 | 5 | 552-508M |

**APPLICATIONS:**
for Raking out Mortar Joint and for Milling,
Enlarging and Shaping Existing Holes.

**TIPS:**
suitable for raking out mortar joints and removing bricks.

DO NOT USE
FOR DRILLING

**MATERIALS**

HARD TILES

HARD STONES

ARTIFICIAL STONES

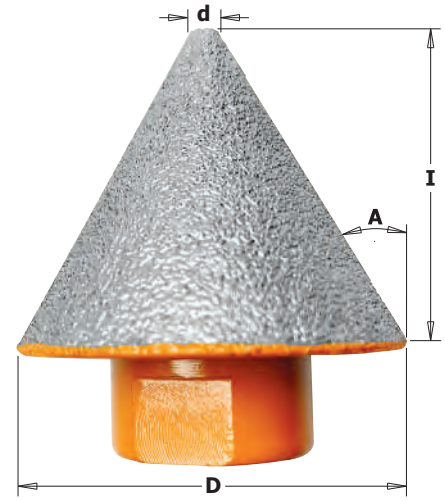
## 550-PA04

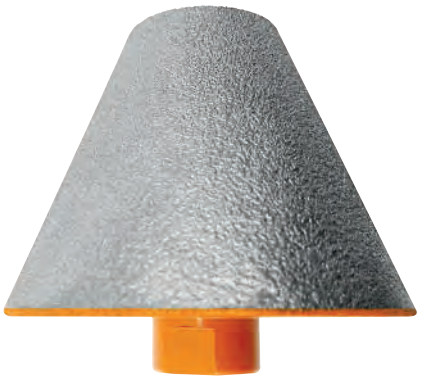
**XTREME FAST** Adaptor M14
(series 552-5) for
**PUSH&LOCK** System *(see page 387)*

## 552-EX14

Hexagonal adaptor M14
(series 552-5) for drills

# Diamond Dry Special Bits



M14
SPINDLE

MAX RPM
14000

19mm
3/4”

## 552-CS FOR ANGLE GRINDER

| d mm | d inches | D mm | D inches | l mm | A | S | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|
| 5 | 3/16 | 35 | 1-3/8 | 30 | 65° | M14 | 5 | 552-535CS |
| 30 | 1-3/16 | 70 | 2-3/4 | 50 | 45° | M14 | 5 | 552-570CS |

**APPLICATIONS:**
for Countersinking on Existing Holes.

DO NOT USE
FOR DRILLING

**MATERIALS**

HARD TILES

HARD STONES

ARTIFICIAL STONES

## 550-PA04

**XTREME FAST** Adaptor M14 (series 552-5) for **PUSH&LOCK** System *(see page 387)*

## 552-EX14

Hexagonal adaptor M14 (series 552-5) for drills

# Diamond Dry Wheels

## 552-115 FOR ANGLE GRINDER CURVED

| D mm | D inches | B mm | B inches | GRANA | | ORDER NO. |
|---|---|---|---|---|---|---|
| 115 | 4-1/2 | 22.2 | 7/8 | medium-fine | 5 | 552-115-01 |
| 115 | 4-1/2 | 22.2 | 7/8 | coarse | 5 | 552-115-02 |

**APPLICATIONS:**
for Smoothing, Trimming, Chamfering.

MAX RPM
14000

**MATERIALS**

HARD TILES

HARD STONES

ARTIFICIAL STONES

## 552-115 FOR ANGLE GRINDER FLAT

| D mm | D inches | S | GRANA | | ORDER NO. |
|---|---|---|---|---|---|
| 115 | 4-1/2 | M14 | medium-fine | 5 | 552-115-03 |
| 115 | 4-1/2 | M14 | coarse | 5 | 552-115-04 |

**APPLICATIONS:**
for Smoothing, Trimming, Chamfering.

M14
SPINDLE

19mm
3/4”

# Multi-Materials CARBIDE Wheel

**ALWAYS**
• USE BOTH HANDS • USE WHEEL GUARD • CLAMP WORKPIECE

## 286 FOR ANGLE GRINDER

CARBIDE GRIT

**MULTI-MATERIALS**

| D mm | B mm | | ORDER NO. |
|---|---|---|---|
| 115 | 22.23 (+9.53+15.88) | 10 | **286.115.01** |
| 125 | 22.23 (+20+15.88) | 10 | **286.125.01** |
| 230 | 22.23 | 5 | **286.230.01** |

**APPLICATIONS:** examples of cutting on wood, wood & nails and plastics.

## MACHINES

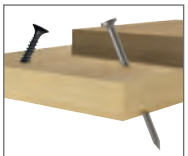
ANGLE GRINDER

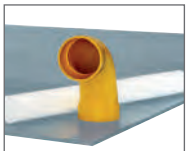
MINI CORDLESS CIRCULAR SAW

*Blade diameter compatibility is contingent on machine type.*

## MATERIALS

WOOD


WOOD/WOOD & NAILS


PLASTICS

PLASTERBOARD

# Multi-Materials DIAMOND Dry Wheel

**ALWAYS**
• USE BOTH HANDS • USE WHEEL GUARD • CLAMP WORKPIECE

## 286.61 FOR ANGLE GRINDER

GRIT

**MULTI-MATERIALS**

| D mm | B mm | | ORDER NO. |
|---|---|---|---|
| 115 | 22.23 (+9.53+15.88) | 10 | **286.115.61** |
| 125 | 22.23 (+20+15.88) | 10 | **286.125.61** |

**APPLICATIONS:** examples of cutting on bricks, hard stone and artificial stone.

## MACHINES

ANGLE GRINDER

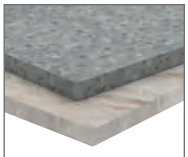
MINI CORDLESS CIRCULAR SAW

*Blade diameter compatibility is contingent on machine type.*

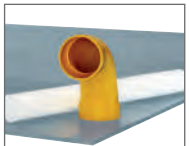
## MATERIALS

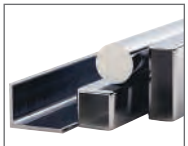
BRICKS & AERATED CONCRETE

HARD & SOFT TILE


HARD STONE

ARTIFICIAL STONE


PLASTICS


METAL & STEEL

# POWER TOOLS, JIGS & ACCESSORIES


| PRODUCTS | PAGE |
|---|---|
| Router & Trimmer | 398-399 |
| Router Tables | 400-401 |
| Small Stock Holder & Tabletop Accessories | 402 |
| Pocket-Pro Joinery System | 403 |
| Professional Straight Edge Clamps | 404 |
| Adjustable Precision Router Dado Jig | 405 |
| Kitchen Worktop Jig | 406 |
| Universal Boring Template | 407 |
| Inlay & Template Guide Kit | 408 |
| Flexible Templates for Routing | 409 |
| Corner Radius Router Template | 409 |
| Universal Jointing System Dovetail/Box Joint | 410-411 |
| Universal Hinges Boring Systems | 412-413 |
| Boring Head System 32 | 414 |
| BLUM® Hinge Boring Head | 414 |
| Hinge Boring Jigs | 415 |
| Contour Duplicator Gauge | 416 |
| Adjustable Corner Frame Clamps | 416 |
| Cabinet Hardware Jig Guide | 417 |
| 3-piece Precise Measurament Pack | 417 |
| Digital Height Gauge | 418 |
| Digital Moisture Meter | 418 |
| Digital Angle Gauge & Finder | 419 |
| Laminate/Veneered-Panel Cutter | 420 |
| Edge Banding Jigs | 420 |
| Torque Screwdriver & Wrench | 421 |
| Bench Block Set | 422 |
| Bit Organizer | 422 |
| Tool Cleanear & Lubricant | 423 |
| Glooves | 424 |
| CMT Professional Tool Bag | 424 |
| Carpenter Pencil & Ink Pen | 424 |
| Deep Hole Mechanical Marker | 425 |


® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

# CMT7E

**ELECTRONIC SPEED CONTROL**
Variable from 8.000 - 21.000 RPM.

**POWER**
2400W.

**PLUG TYPE: F**
Power cord length: 3m.

**BRUSH REPLACEMENT**
Change worn brushes quickly and easily.
*Spare part:* CMT7E-028

**NO VOLTAGE RELEASE (NVR) SAFETY SYSTEM**
Prevents the motor from automatically restarting after a power interruption.

**MICRO WINDER**
Turn to adjust the cutting depth micrometrically.

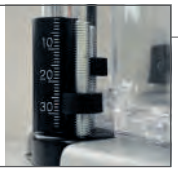
**ON/OFF POWER SWITCH**
Retracting cover to prevent accidental power on.

**REMOVABLE PLUNGE SPRING**
It must be removed when table mounting.

**SAFETY GUARDS**
Provides maximum protection around cutting zone.

**PLUNGE SELECTION BUTTON**
To switch from winder handle to free plunge mode.

**TURRET STOPS**
3 preset cut dephs with mm scale.

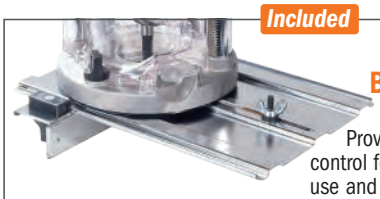


**WINDER HANDLE**
Turn to adjust the cutting depth.

**PLUNGE LOCK LEVER**
To fasten the plunge at the desired position.

**BASEPLATE MOUNTING KNOB**
For fast setup and removal from extended baseplate.

*Included*



**EXTENDED BASEPLATE & FENCE**
Provides excellent control for free plunge use and circle cutting.

**TECHNICAL DETAILS:**

- Power..... 2400W
- Input..... 220/240V (50/60Hz)
- No load speed ..... 8.000-21.000 RPM
- Plunge range..... 0-68mm
- Base plate hole..... Ø79mm
- Collet diameter range..... Ø6~12.7mm
- Power cord length ..... 3m
- Tool weight..... 6.5 Kg

Check out **CMT7E** on YouTube

**DUAL MODE**

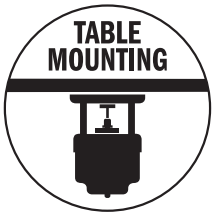
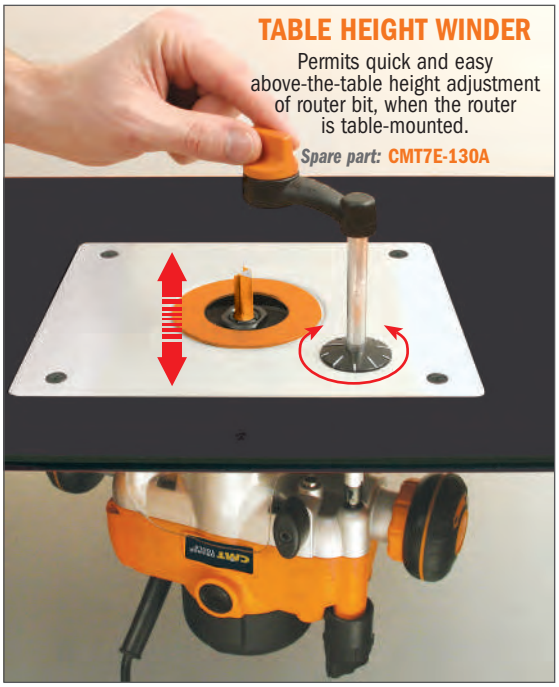



**TABLE HEIGHT WINDER**
Permits quick and easy above-the-table height adjustment of router bit, when the router is table-mounted.
*Spare part:* CMT7E-130A



***Standard Equipment***

- CMT7E Precision Router 2400W
- Extended Baseplate & Fence
- Table Height Winder (*Spare part:* CMT7E-130A)
- Collet Spanner (*Spare part:* CMT7E-119)
- Ø8 & Ø12mm Collets
- 4 Screws (1/4 UNC) (*Spare part:* 990.467.00)
- NVR Bypass Key
- 1 Year Warranty
- Instructions manual (10 languages)

***Optional***

**Clamping nuts and collets for CMT7E**

| DIAMETER | ORDER NO. |
|---|---|
| D = 6mm | 796.660.00 |
| D = 6.35mm | 796.664.00 |
| D = 8mm | 796.680.00 |
| D = 10mm | 796.700.00 |
| D = 12mm | 796.720.00 |
| D = 12.7mm | 796.727.00 |

| DESCRIPTION | ORDER NO. |
|---|---|
| 2400W Precision Router | CMT7E |

new

CMT ORANGE TOOLS

# CMT12

**POWER** 710W. new

**ELECTRONIC SPEED CONTROL** new
Variable from 10.000 - 30.000 RPM.

**ANTI-RESTART FUNCTION** new
Prevents the motor from automatically restarting after a power interruption.

**FINE DEPTH ADJUSTMENT & QUICK-CLAMP SYSTEM OF BASE**

**ALUMINIUM BODY & EMBOSSED SCALE** new

**QUICK BRUSH REPLACEMENT**
Change worn brushes quickly and easily.
*Spare part:* CMT12-21

**ERGONOMIC HANDLE**

**FAST TOOL REPLACEMENT**

**PLUG TYPE: F**
Power cord length: 3m.

**TECHNICAL DETAILS:**

- Power..... 710 Watt
- Input..... 220/240V (50/60Hz)
- No load speed ..... 10.000 - 30.000 RPM
- Plunge range..... 0-40mm
- Base plate hole ..... Ø29mm
- Collet diameter range..... Ø6-6.35 - 8mm
- Power cord length ..... 3m
- Tool weight..... 1.9 Kg

**CMT-TGA** is compatible with the **CMT12** bases and does not require an optional base plate.

***Standard Equipment***

- CMT12 Trimmer 710W
- Straight guide
- Trimmer guide
- Dust nozzle
- 2 wrenches for easy cutter replacement (13 and 22mm)
- Ø6mm, Ø6.35mm and Ø8mm collet
- Additional pair of brushes
- 1 year warranty
- Instruction manual (8 languages)

STRAIGHT GUIDE

DUST NOZZLE

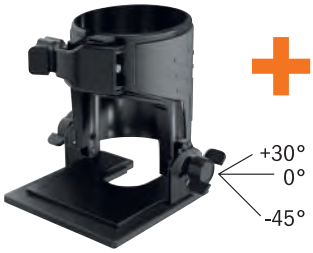
TRIMMER GUIDE

TEMPLATE GUIDE Ø8/10-9.5mm

## CMT12-K1

**CMT12**
710W TRIMMER

+



**CMT12-A1**
ROUTER TILT BASE

+

**CMT12-A2**
PLUNGE BASE SET + GUIDE SUPPORT

**BAG-001**
**GIFT WITH PURCHASE**

| DESCRIPTION | | ORDER NO. |
|---|---|---|
| 710W Trimmer | 10 | **CMT12** |
| 710W Trimmer Kit | 1 | **CMT12-K1** |

***Spare parts***

**CMT12-060** Collet Ø6mm
**CMT12-064** Collet Ø6.35mm
**CMT12-080** Collet Ø8mm

**CMT12-21**
Pair of brushes

***Optional***

**CMT12-A1**
Router tilt base

**CMT12-A2**
Plunge base set + guide support

# 999.110.00

**2024 VERSION**

# CMT7E+PRO

Adjustable inserts that allow easy sliding of the workpiece ensuring safe operation.

**999.110.33**
**CMT7E** Prebored Plate & 2 Aluminum Reduction Rings Ø32-66mm (Dimensions: 306x229x8mm).

**999.110.08**
Standing Spring Press.

**999.110.06**
Safer Operation with Adjustable Fence Guard.

Dust Port Ø63mm.

new
Faster Central Sliding/ Adjustment System.

**999.110.10**
Mitre Gauge.

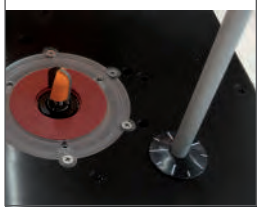
Solid laminate work surface 80x60x2.5cm, with an aluminum track for accessories.

Graduated Scale mm/inches.

**999.110.09**
Mouled Featherboard.

**999.100.11**
Electric Safety Switch.

Prebored plate features an adjustment port to insert a micro-winder (included with the **CMT7E**), allowing quick and easy router height adjustments from above the table.



Solid Steel Frame.

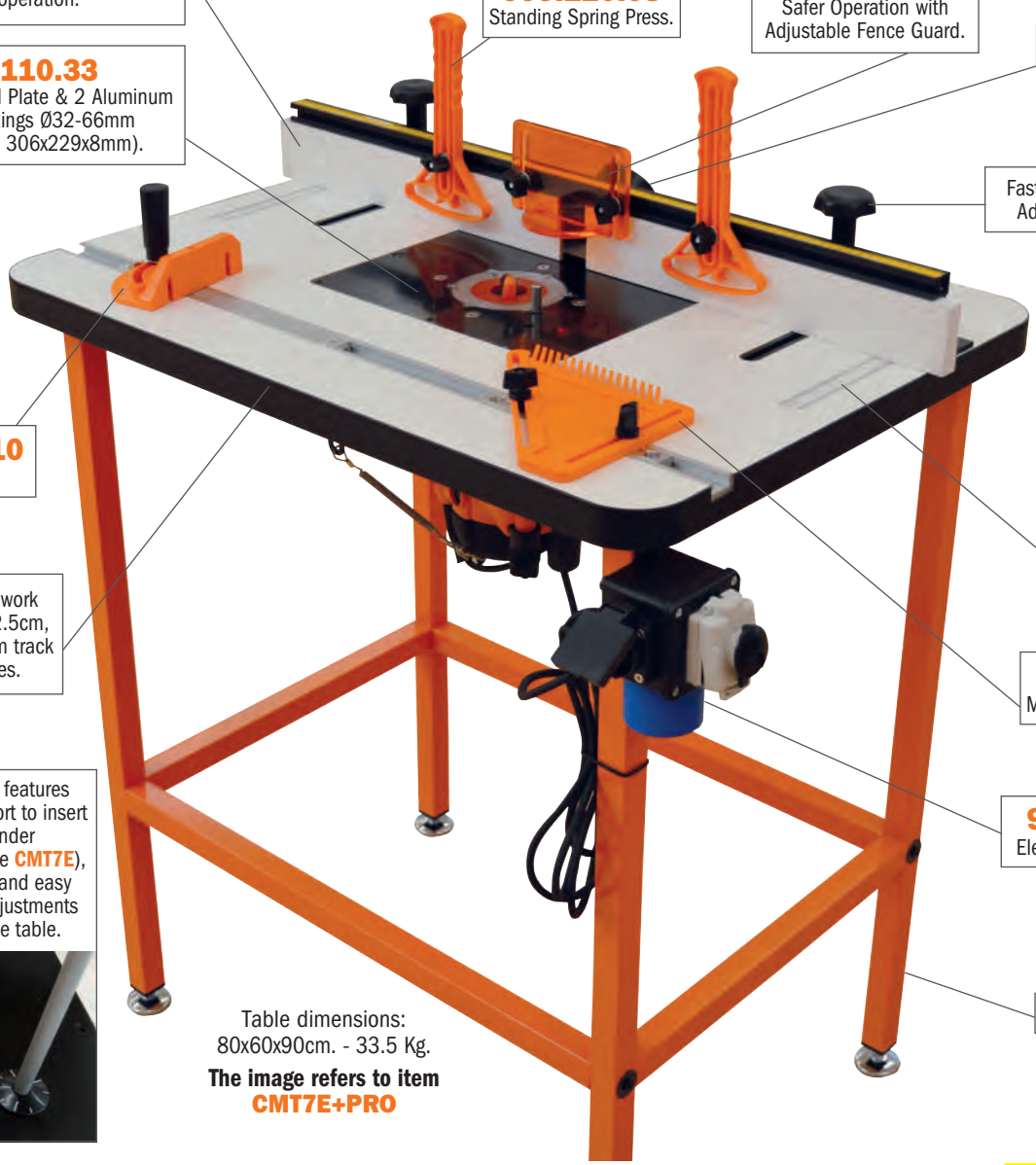


Table dimensions:
80x60x90cm. - 33.5 Kg.

**The image refers to item**
**CMT7E+PRO**

## 999.110.00 includes:

- **Laminate work surface**
- **Fence**
- **Solid Steel Frame**
- **999.110.33** Prebored Plate for **CMT7E** with 2 Reduction Rings
- **999.110.06** Safety Shield
- **999.110.08** 2 Standing Spring Presses
- **999.110.09** Moulded Featherboard
- **999.110.10** Mitre Gauge

## CMT7E+PRO includes:

CE Compliant

- CE **Compliant**
- **999.110.00** PROFESSIONAL Router Table System
- **CMT7E** Precision Router 2.4KW
- **999.100.11** Electrical Safety Switch
- **999.110.41** Push Stick

- **999.501.32** Y-Fitting Suction Tube Ø63/Ø63/Ø38mm
  *(suction hose not included)*

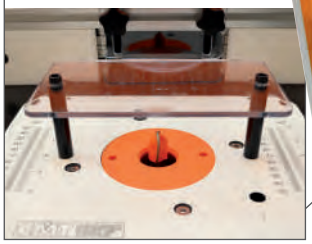
| DESCRIPTION | ORDER NO. |
|---|---|
| PROFESSIONAL Router Table System (with Prebored Plate for CMT7E) | **999.110.00** |
| Precision Router 2.4KW + PROFESSIONAL Router Table System *(CE Compliant)* | **CMT7E+PRO** |
| ***Spare parts/Optional:*** | |
| CMT7E **Prebored** Plate & 2 Reduction Rings Ø32-66mm (Dimensions: 306x229x8mm) | **999.110.33** |
| Universal Plate (**unbored** for non-CMT routers) with 2 reduction rings Ø32-66mm (Dimensions: 306x229x8mm) | **999.110.03** |
| 4 screws to mount CMT7E on PROFESSIONAL Routing Table | **990.467.00** |
| Electrical Safety Switch | **999.100.11** |

# 999.500.01 — 2024 VERSION — CMT7E+IND

Adjustable inserts that allow easy sliding of the workpiece ensuring safe operation.

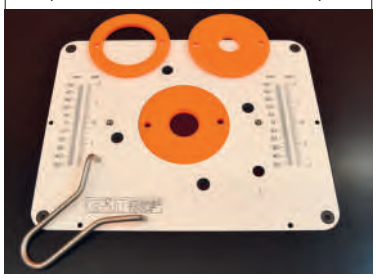
**999.110.10** Mitre Gauge.

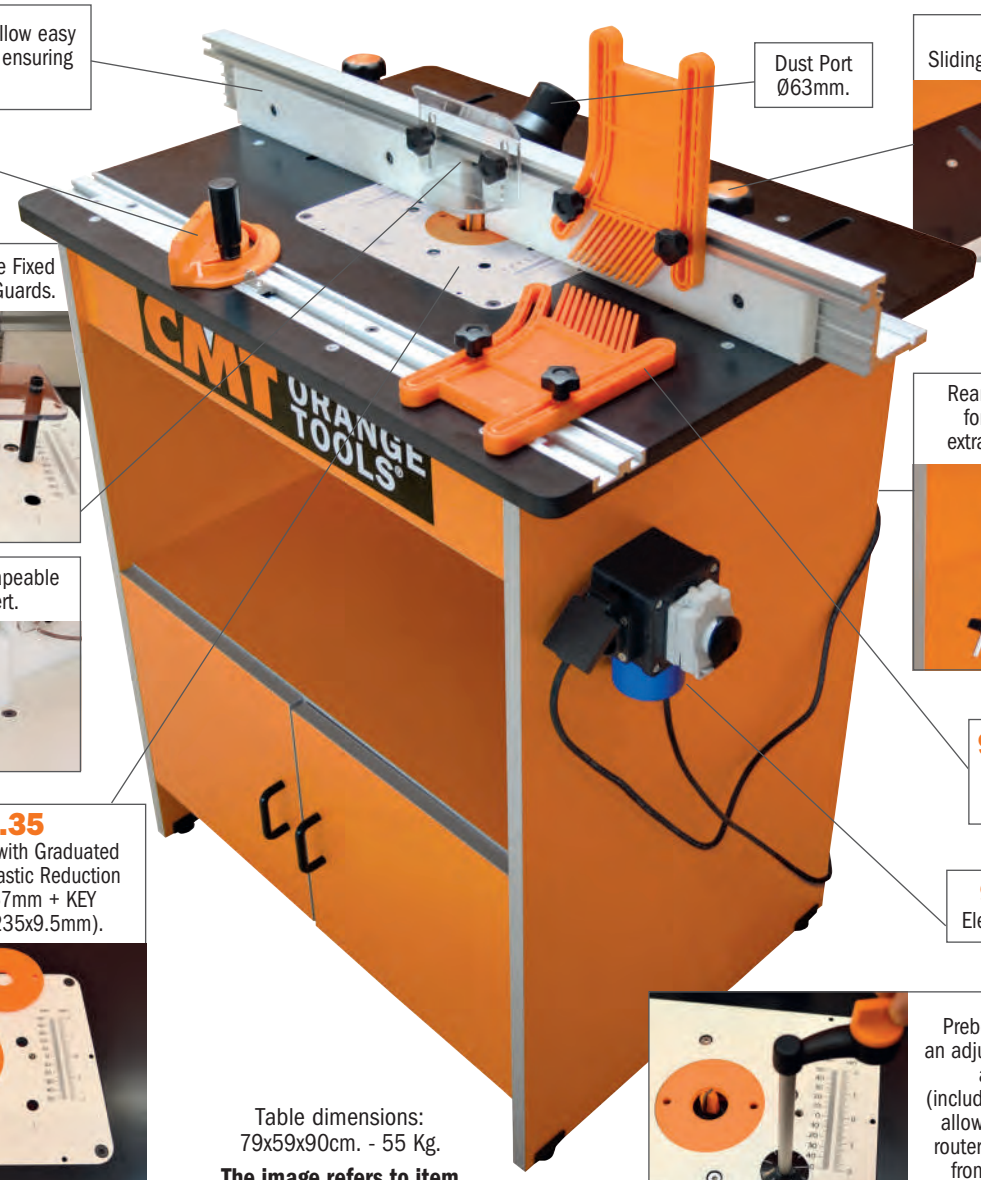
Safer operation with the Fixed and Adjustable Fence Guards.



Centrally positioned shapeable zero-clearance insert.

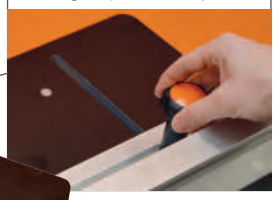
new **999.501.35**
**CMT7E** Prebored Plate with Graduated Scales mm/inch and Plastic Reduction Rings Ø25.4/31.7/67mm + KEY (Dimensions: 298.5x235x9.5mm).






Dust Port Ø63mm.

new Faster Central Sliding/Adjustment System.



new Rear pass-through hole for cables and dust extraction suction tube.

**999.501.07** Moulded Featherboard.

**999.100.11** Electrical Safety Switch.

Prebored plate features an adjustment port to insert a micro-winder (included with the **CMT7E**), allowing quick and easy router height adjustments from above the table.

Table dimensions: 79x59x90cm. - 55 Kg.

**The image refers to item CMT7E+IND**

## 999.500.01 includes:

- **999.501.31 Black Phenolic Worktop 20mm**
The black surface (to reduce reflections), with an aluminum guide for accessories, is far more resistant to warping compared to regular laminated tops. Weight: 14.5 Kg.
***Includes:*** 999.501.35
- **999.501.30 Aluminum Fence**
To be used as a traditional fixed or inclined fence, with a faster central sliding/adjustment system. Weight: 9.5 Kg.
- **999.501.03 Orange-colored Melamine Cabinet**
Sturdy 20mm melamine structure, easy to assemble. Weight: 33 Kg.
- **999.501.07 1st Moulded Featherboard**
- **999.110.10 Mitre Gauge**

## CMT7E+IND includes:

CE Compliant

- CE **Compliant**
- **999.500.01 INDUSTRIO Routing System**
- **CMT7E Precision Router 2.4KW**
- **999.100.11 Electrical Safety Switch**
- **999.501.07 2nd Moulded Featherboard**
- **999.110.41 Push Stick**

- **999.501.32 Y-Fitting Suction Tube Ø63/Ø63/Ø38mm**
*(suction hose not included)*

| DESCRIPTION | ORDER NO. |
|---|---|
| INDUSTRIO Routing System (with Prebored Plate for CMT7E) | 999.500.01 |
| CMT7E Precision Router 2.4KW + INDUSTRIO Routing Table *(CE Compliant)* | CMT7E+IND |
| ***Spare parts/Optional:*** | |
| Prebored Plate with Graduated Scales mm/inch for CMT 7E with Plastic Reduction Rings Ø25.4/31.7/67mm+key (Dimensions: 298.5x235x9.5mm) | 999.501.35 |
| 4 Screws to mount CMT7E on INDUSTRIO Routing Table *(spare part)* | 990.467.00 |
| Electric Safety Switch | 999.100.11 |

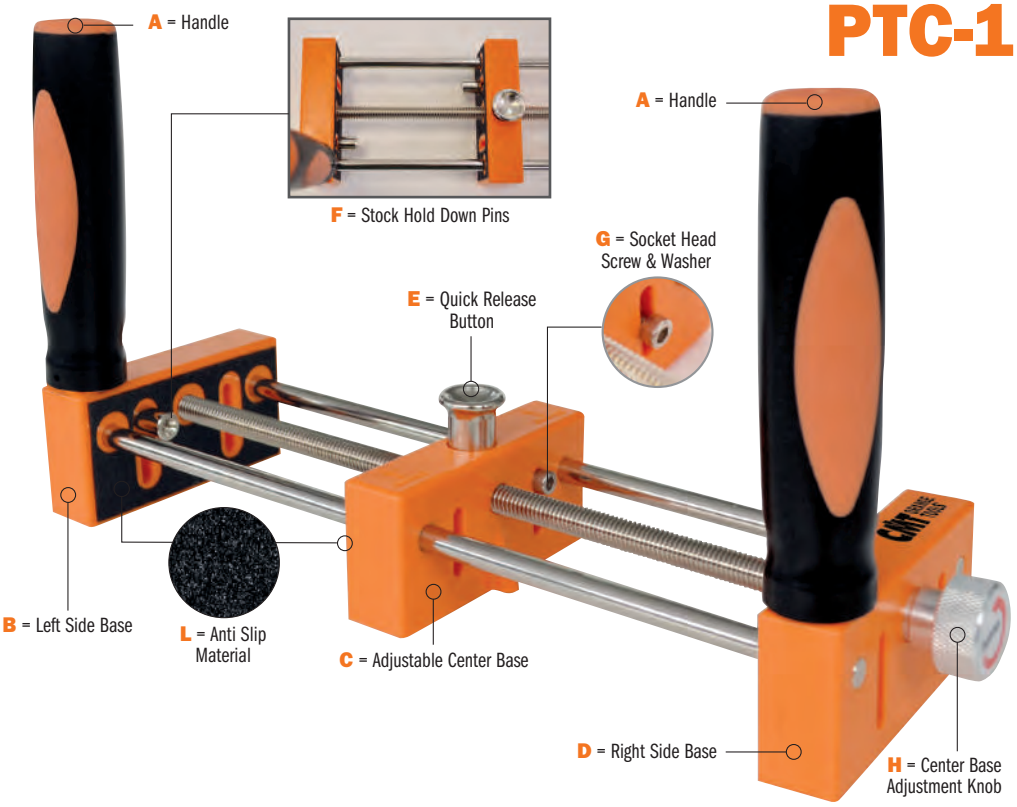
# Small Stock Holder

CMT ORANGE TOOLS®

## PTC-1

By far, handling small stock on your router table is probably one of the most difficult challenges any professional woodworker has to face! Keeping all ten fingers attached to your hands is definitely a priority.
This is why the CMT Small Stock Holder is an absolute necessity in the workshop! It safely ensures proper stabilization of smaller work pieces throughout the routing process. The handle grips fitted with comfy silicone inserts keep fingers and hands a safe distance from the blade while the anti-slip lining on both the center and right side base prevents slippage and ensures your workpiece stays put!
Fully adjustable and easy to control, the CMT Small Stock Holder can manage small stock up to 220mm (8-1/2") in width.
The perfect little jig for detail-oriented jobs!

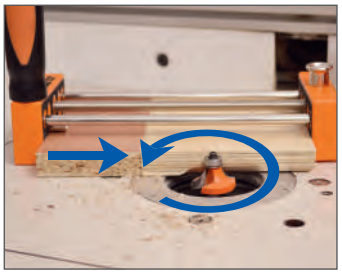
**Maximal clamping dimension:**
**220mm** (8-1/2").



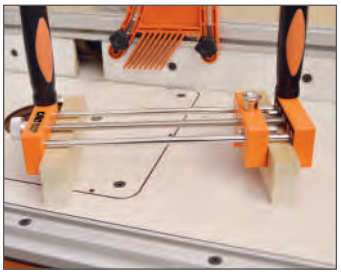

| DESCRIPTION | ORDER NO. |
|---|---|
| Small Stock Holder | PTC-1 |

1. Lie the Small Stock Holder flat on the work surface. Slide the Hold Down Pins [F] to the top of the slotted holes. Insert the small stock piece between the Adjustable Centre [C] and Left-Side Bases [B]. The end of your small stock piece should lie flat and snugly up against the Left-Side Base. The end must also extend outwards in front of the Small Stock Holder a minimum distance of half the diameter of the router bit in use.

2. Press the Quick Release Button [E]. Slide the Adjustable Centre Base [C] over until it fits snugly against the small stock piece. Release the Quick Release Button. In the image, a "sacrificial piece" is being used to prevent "tear-out". Loosen Hold Down Pins [F] with the Hex Key Wrench provided. Slide Hold Down Pins down until resting firmly against the small stock piece. Tighten pins with Hex Wrench. Rotate Centre Base Knob [H] to further secure your small stock piece.



3. Adjust the height of your router bit. When you're ready, power on your router. Take hold of the Small Stock Holder Handles [A], slowly feed your small stock piece into the router opposite to the router bit rotation and always in contact with the router bit bearing guide. When finished routing, press the Quick Release Button [E] and slide the Adjustable Centre Base [C] over so you can remove the small stock piece.



4. Need to rout stock thicker than the Small Stock Holder? Follow setup instructions carefully. Create an "outrigger"- cut a piece of stock, which will act as a stabilizer, the same thickness as the piece you are working on. Attach the "outrigger" securely to the Right-Side Base [D] using pan-head screws (not included) that will fit through the slotted holes. In this way, your work piece and the Small Stock Holder will remain stable during the routing process.

# Tabletop Accessories

## 999

**999.110.42**
*Push block*

**999.110.41**
*Push stick*

| DESCRIPTION | ORDER NO. |
|---|---|
| Push stick | 999.110.41 |
| Push block | 999.110.42 |

# Pocket-Pro Joinery System

CMT ORANGE TOOLS®

# PPJ-002

For fast, easy and accurate cabinet & furniture construction. Designed by CMT and professional cabinetmakers, this system allows you to make rock-solid pocket hole joints in stock 12.7mm (1/2") to 41.3mm (1-5/8") thick with unprecedented speed and accuracy.

The heart of the Pocket-Pro System is our unique moulded jig, which features hardened drill bushings and an interlocking two-piece design. Sliding the jig up or down enables you to adjust the stock thickness in preset 1.6mm (1/16") increments without test joints or measurements! If you have used other pocket hole jigs you will be familiar with many joint applications, but you will benefit from many Pocket-Pro System advantages.

For example:
- some jigs require adding or removing various parts of the jig to join different stock thicknesses. With the Pocket-Pro System you simply have to adjust the interlocking jig up or down for the full range of joints 12.7mm (1/2") to 41.3mm (1-5/8") thick;
- other jigs require frequent repositioning of the depth stop collar for different joint styles. CMT's Pocket-Pro Joinery System allows you to make most of the adjustments leaving the stop collar in the same position of the drill bit;
- plus, with CMT's Pocket-Pro System you can quickly adjust the location of the pocket in relation to the end of your workpiece to create a stronger joint by using longer screws, or to leave more "meat" in the joint.

Easy enough for beginners and accurate enough for professional workers, it is the world's most versatile pocket hole jig.

**541.095.00 + 515.001.51**

**999.505.10**

**999.505.05**

**990.101X30**

**999.505.08**

| DESCRIPTION | ORDER NO. |
|---|---|
| Pocket-Pro Joinery System set | **PPJ-002** |

Watch the video on YouTube

## Standard Equipment

- Pocket-Pro main parts ..... **999.505.10**
- Toggle clamp ..... **999.505.05**
- Ø9.5mm (3/8") step drill bit ..... **515.001.51**
- Ø9.5mm (3/8") depth collar for step drill bit ..... **541.095.00**
- L=152mm (6") Square drive screw driver bit ..... **999.505.08**
- 30 screw L=31.7mm (1-1/4") ..... **990.101X30**

## Optional

- 500 fine screws L=31.7mm (1-1/4") ..... **990.101X500**
- 500 coarse screws L=31.7mm (1-1/4") ..... **990.102X500**
- 500 fine screws L=38.1mm (1-1/2") ..... **990.103X500**
- 500 coarse screws L=38.1mm (1-1/2") ..... **990.104X500**
- Face clamp swivel pad ..... **999.505.06**
- L=76mm (3") square drive screwdriver bit ..... **999.505.07**
- Phenolic insert plate for Pocket-Pro for Industrio Table ..... **999.505.04**

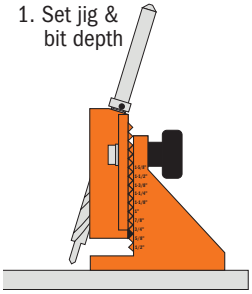
## Optional

**999.505.04**
*Pocket-Pro phenolic insert plate (for Industrio Table, pre-2024 versions)*

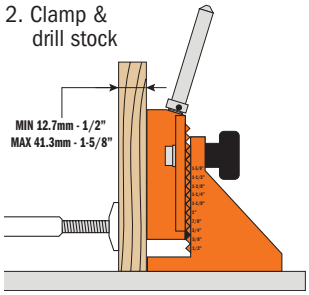
**999.505.06**
*Face clamp with swivel pad*

## ENJOY EASY POCKET HOLE JOINERY!

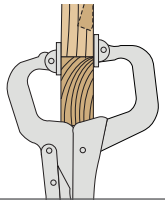
1. Set jig & bit depth



2. Clamp & drill stock

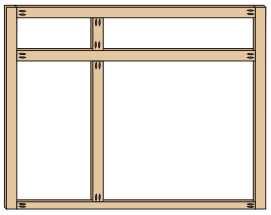



3. Assemble the joint!

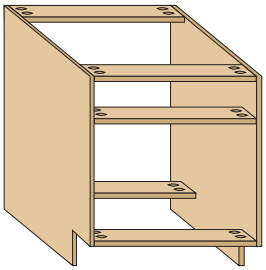


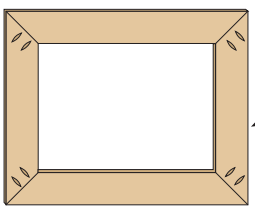
## BUILD ALMOST ANYTHING!

Face Frames



Cabinets and more!





Picture Frames

# Professional Straight Edge Clamps

CMT ORANGE TOOLS®

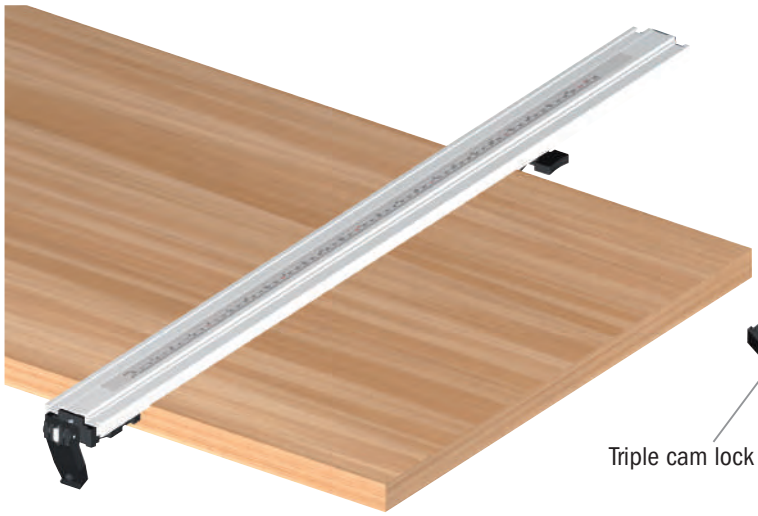
**PGC**

Used as a fence for your bandsaw, drill press or even as an auxiliary fence on your router table or table saw, CMT's professional straight edge clamps represent a two-in-one tool, allowing you to either use them as an edge guide, or to easily clamp your boards or any object for woodworking. Available in different sizes. Here are the main features:

- Made of extruded aluminium for easy carriage and enhanced durability.
- Light, yet more rigid than any other clamps on the market.
- Measuring scales, low-profile jaws, built-in T-tracks on the top allowing the use of accessories or jigs.
- Either single or back-to-back clamps.

Low-profile clamps allow for accurate cuts, dados and grooves. In addition they properly work as an auxiliary fence on your drill press or router table. Sturdy jaws hold your workpiece to the full length of the clamp without any side-to-side play. Back-to-back clamps with the suitable accessories also let you manage your woodworking operations with a lot of versatility. Adjustable scale and two T-tracks allow you to use many accessories.

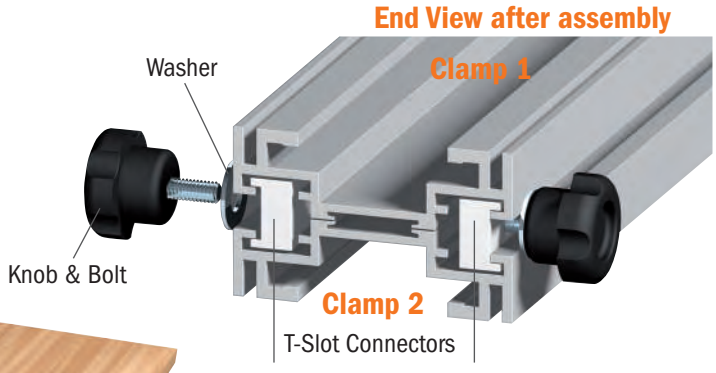
| DESCRIPTION | ORDER NO. |
|---|---|
| Professional Straight Edge Clamp 610mm | **PGC-24** |
| Professional Straight Edge Clamp 915mm | **PGC-36** |
| Professional Straight Edge Clamp 1270mm | **PGC-50** |



## Back-to-Back Connectors for Straight Edge Clamps *(optional)*

Lay two more straight edge clamps on the back of the other pair of straight edge clamps and secure them by using your back-to-back connectors.
Fasten the bottom jaw pads to the table top and clamp wood with the top jaw pads. Thanks to the low profile jaws your work surface is never obstructed.
The back-to-back straight edge clamps can also be taken apart for making two separate clamps.

| DESCRIPTION | ORDER NO. |
|---|---|
| Back to Back Connectors for straight edge clamps (8 Pieces) | **PGC-B2B** |

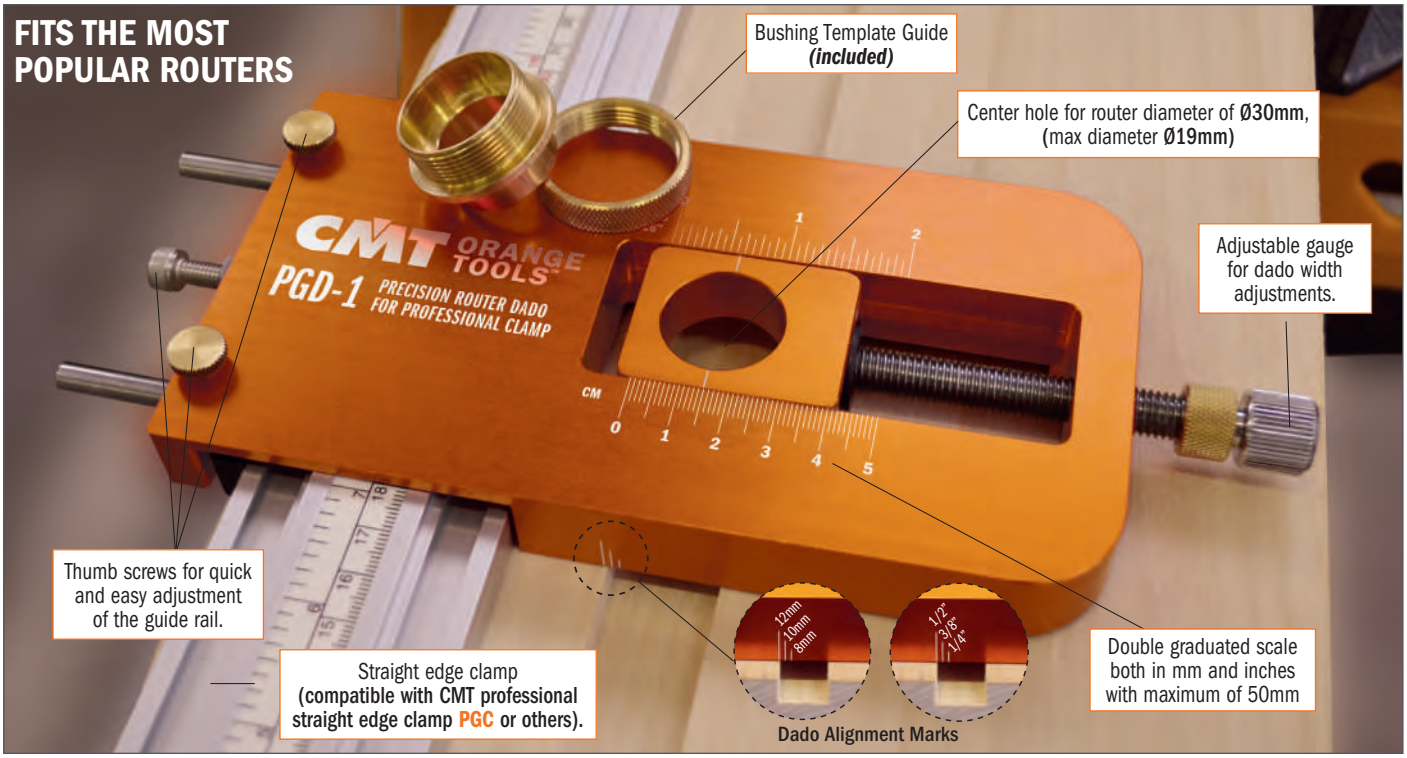


# Adjustable Precision Router Dado Jig

CMT ORANGE TOOLS®

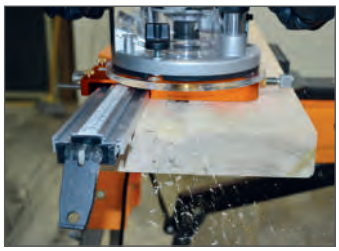
The perfect tool for crafting grooves, dadoes, and joints. Easy to use and fully adjustable. You can create dadoes of any size using the same router by simply increasing the number of passes you make. Sturdy construction built to last. Smooth rolling steel rollers are ideal for easy maneuverability and stress-free handling. Compatible with almost any router equipped with 1-3/16" (30mm) bushings or by using the Bushing Template Guides included. (bore baseplate sold separately). Guarantees clean precise dadoes.

## PGD-1



Prepare your router: Install the guide bushing rings into the bore baseplate and then attach it as the base for your router. Select and insert your router bit.
Prepare the Adjustable Guide Rail & Straight Edge Clamp: Position both the adjustable straight edge clamp and then the adjustable precision router dado jig onto your workpiece. Then using the adjustable thumb screws, secure it. Once assembled, ensure that the adjustable precision dado jig slides freely.

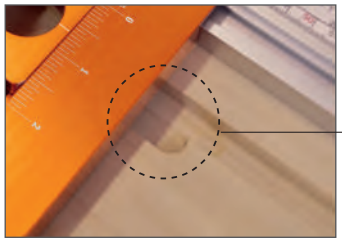
Insert your router into the center hole of the adjustable precision router dado jig.



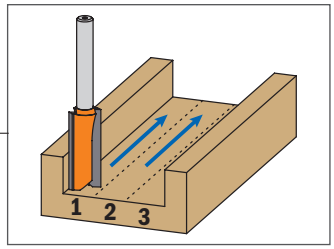
Set your cutting depth by raising or lowering the bit until desired depth is reached. Determine the starting point of the cut you wish to make by using the Dado Alignment Marks on the long sides (width) of the Adjustable Precision Router Dado Jig which indicates the outside edge of the dado cut closest to the straight edge clamp (12-10-8mm front, 1/2", 3/8", 1/4" back).

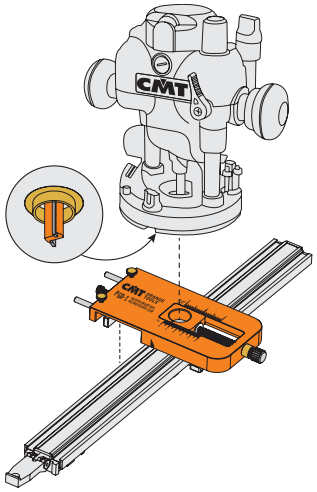
Holding onto your router in position, power on and begin making the cut by pushing forward and back on the straight edge clamp using the precision router dado jig as a guide. Makes impeccable grooves and dadoes along the length of your workpiece.

For creating dadoes that exceed router width, using the adjustable gauge, simply select the desired width on the graduated scale.



Make as many passes necessary to obtain the desired dado width.



**RECOMMENDED*** ***(not included)***

**899.000.01** Universal Base Plate

**899.000.02** Base Plate Prebored for **CMT7E**

*Not required for routers with 30mm (1-3/16") bushing guide

**RECOMMENDED** ***(not included)***

**PGC** Straight Edge Clamp with graduated scale (see page 404)

| DESCRIPTION | | ORDER NO. |
|---|---|---|
| Adjustable Precision Router Dado Jig | 10 | PGD-1 |

# CMT650

## The Jig for Perfect joinery!

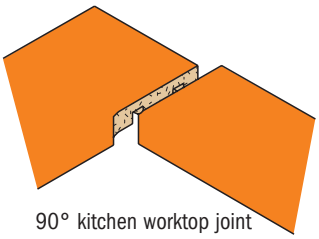
For use on worktops ranging from 420mm to 650mm in width.

Designed to cut kitchen worktops joints with any type of router.

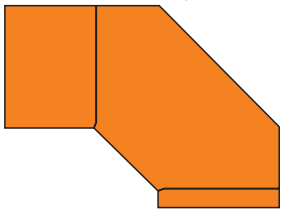
Letter code system for different operations speeds up and simplifies jig work.

Dimensions: 880x300x 10mm.

### JOINTS MADE IN 15 MINUTES! INCLUDING SETUP TIME



90° kitchen worktop joint



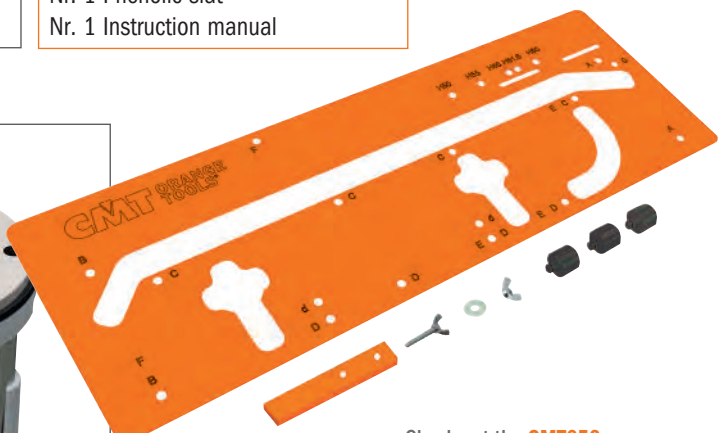
45° kitchen worktop joint

### Standard Equipment

- Nr. 1 Phenolic template
- Nr. 3 Guide bushes
- Nr. 1 Butterfly screw
- Nr. 1 Phenolic slat
- Nr. 1 Instruction manual

### Optional

- Router
- Straight bit Ø12mm*
- Base Plate prebored*
- Template guide ring Ø30mm*
- Two clamps



***COMBINATION ROUTERS/ACCESSORIES**

| ROUTER | TEMPLATE GUIDE RING | BASE PLATE |
|---|---|---|
| CMT7E | 899.007.00 | CMT300-SB |
| NO-CMT | 899.007.00 | CMT300-SB1 |

**652 8/912**

***Bits for the jig:**
We recommend the use of these straight bits:

| ORDER NO. | DESCRIPTION |
|---|---|
| 912.120.11 | Ø12x31.7 S=8mm |
| 652.120.11 | Ø12x28.3 S=8mm |
| 912.621.11 | Ø12x38.1 S=12mm |
| 912.622.11 | Ø12x50.8 S=12mm |
| 812.620.11 | Ø12x31.7 S=12.7mm |
| 812.621.11 | Ø12x38.1 S=12.7mm |
| 652.121.11 | Ø12x48.3 S=12mm |
| 652.621.11 | Ø12x48.3 S=12.7mm |

Check out the CMT650 on YouTube

| DESCRIPTION | ORDER NO. |
|---|---|
| Kitchen Worktop Jig | CMT650 |

**CMT650** *is designed for Ø12mm straight bits.*

- Template made of stable and hardened material.
- For 90° and 45° joints
- Integrated templates for rounding over and chamfering edges.
- Extra guide bush for worktop width of 600mm.
- Two integrated templates for panel bolt recesses.
- Delivered with a clear and comprehensive instruction manual.

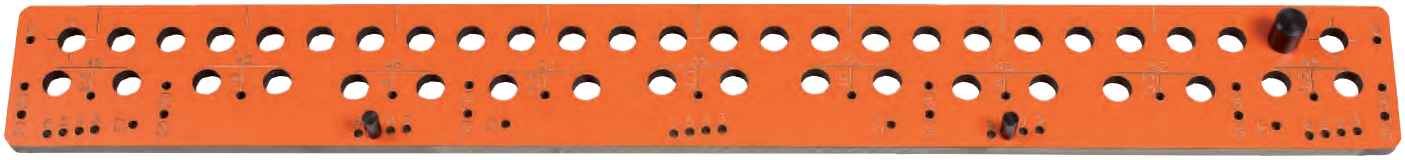
# Universal Boring Template

CMT's Universal Boring Template has been designed for carrying out precise and productive manual dowelling of furniture elements by using 32mm Euro-System screws. For boring shelf supports with 3mm or 5mm diameter and for making and marking hinge holes. This **CMT900** template will help you prebore the most popular hinge types.

## CMT900

***For dowelling into surfaces and shelf supports and hinges***

Check out the **CMT900** on YouTube



- LAMINATED PHENOLIC MATERIAL
- CLEAR AND COMPREHENSIBLE TEMPLATE MARKING
- PRECISE END STOPS

### BORING ADAPTORS *(not included):*

- Suitable for any type of drilling machine
- End stop for different boring depths
- DURALUMIN® body with pre-bored holes for better chip ejection
- Precise, flat seating for proper alignment

ORDER NO. **CMT400-1**
Boring adaptor for **CMT656, CMT900 JIGS**
For bits with up to 30mm drilling depth:
**306.030.21 - 306.050.11 - 306.080.11**

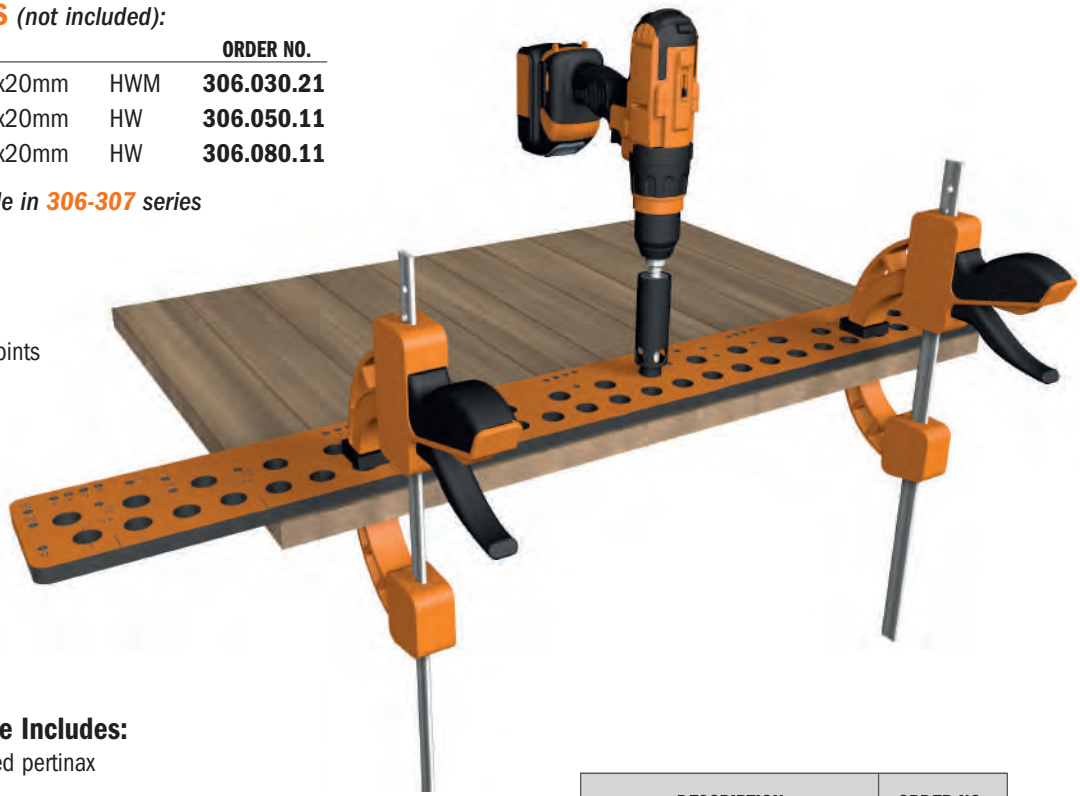
### QUICK AND EASY:

| TECHNICAL DETAILS: | CMT900 |
|---|---|
| Max. board width with clamping: | 900mm |
| Max board width: | no limits |
| Board thickness: | no limits |
| For dowels: | Ø8mm |
| Hole distance: | 32mm |
| Number of holes: | 26 |
| For shelf support: | Ø3mm, Ø5mm |
| For hinges: | Ø3mm for wooden screws<br>Ø5mm for Euro screws |

### HW DOWEL BITS *(not included):*

| DESCRIPTION | | | ORDER NO. |
|---|---|---|---|
| D=3x18mm | S=8x20mm | HWM | **306.030.21** |
| D=5x30mm | S=8x20mm | HW | **306.050.11** |
| D=8x30mm | S=8x20mm | HW | **306.080.11** |

*Other sizes available in **306-307** series*



Boring into a surface for dowel joints using the template.

Boring Ø3mm and Ø5mm holes for shelf supports.

Preboring holes for hinges (base and panel).

### CMT900 Boring Template Includes:

- Boring template from laminated pertinax
- End stop set
- End stop set for large elements
- Centering pin for hinges

| DESCRIPTION | ORDER NO. |
|---|---|
| Universal Boring Template | CMT900 |

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

# Inlay Kit

CMT ORANGE TOOLS®

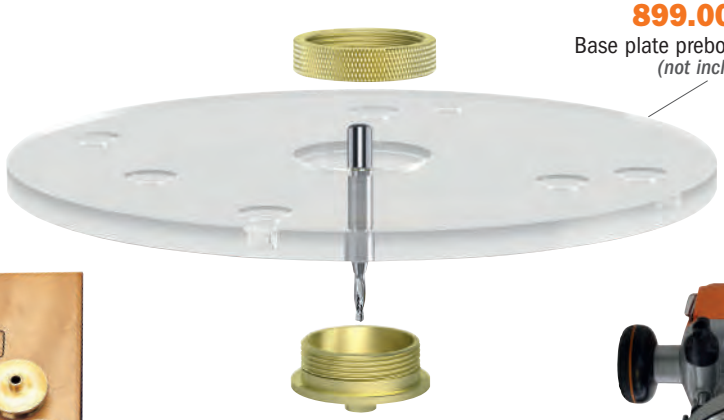
The components of this kit include a spiral cutter or a straight cutter (sold separately) with a diameter of 3mm and 3.2mm and a 6mm and 6.35mm attachment respectively. The interchangeable brass rings allow you to create the cavity of your choice on the workpiece. The instruction manual shows in detail all the steps of the process. This kit offers endless decorative possibilities (toys, puzzles and lettering). The spiral cutter is recommended for use on MDF while the straight cutter is best for natural wood.

**899.001**

**899.001.00**

| DESCRIPTION | | ORDER NO. |
|---|---|---|
| Inlay Kit (Solid brass template guide) | | **899.001.00** |
| Inlay kit with 3.2mm (1/8") HWM straight bit | (S=Ø6.35mm) | **899.052.00** |
| ***Optional:*** | | |
| Universal base plate | | **899.000.01** |
| Base plate prebored for CMT7E | | **899.000.02** |
| ***Spare parts:*** | | |
| 3.2mm (1/8") HWM spiral bit | (S=Ø6.35mm) | **192.001.11** |
| 3.2mm (1/8") HWM straight bit | (S=Ø6.35mm) | **812.032.11** |
| 3mm HWM spiral bit | (S=Ø6mm) | **192.630.11** |
| 3mm HWM straight bit | (S=Ø6mm) | **712.030.11** |

**899.000.02**
Base plate prebored for **CMT7E**
*(not included)*



*Complete instructions for assembling and using CMT inlay kit are included.*

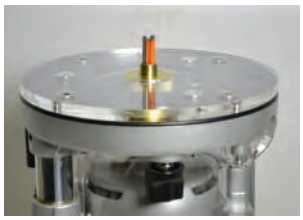
# Template Guide Kit

A practical 7 piece bushing kit that will extend the possibilities of your router.
For template-controlled operations such as dove-tailing, stair routing, hinge butt routing, lock face routing and more general template tasks.
These kits can be used with any router featuring a 30mm (1-3-/16") bore baseplate.
Fits the most popular routers.
Some routers may require CMT's base.
**CMT-TGA is compatible with the CMT12 bases and does not require an optional base plate.**

**CMT-TGA**

| DESCRIPTION | ORDER NO. |
|---|---|
| Template Guide Kit | **CMT-TGA** |

***Optional***



| DESCRIPTION | ORDER NO. |
|---|---|
| Universal base plate | **899.000.01** |
| Base plate prebored for CMT7E | **899.000.02** |

***Set contains:***

| QTY. | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 |
|---|---|---|---|---|---|---|---|---|---|
| Internal diameter | **15.87**mm | **16.66**mm | **13.49**mm | **10.31**mm | **8.73**mm | **7.14**mm | **6.35**mm | Lock Nut | Adaptor |
| Outside diameter | **20.24**mm | **19.05**mm | **15.87**mm | **12.7**mm | **11.11**mm | **9.52**mm | **7.93**mm | | |
| Height | **14.28**mm | **14.28**mm | **14.28**mm | **7.93**mm | **3.96**mm | **7.93**mm | **3.96**mm | | |

# Flexible Templates for Curved & Arched Routing

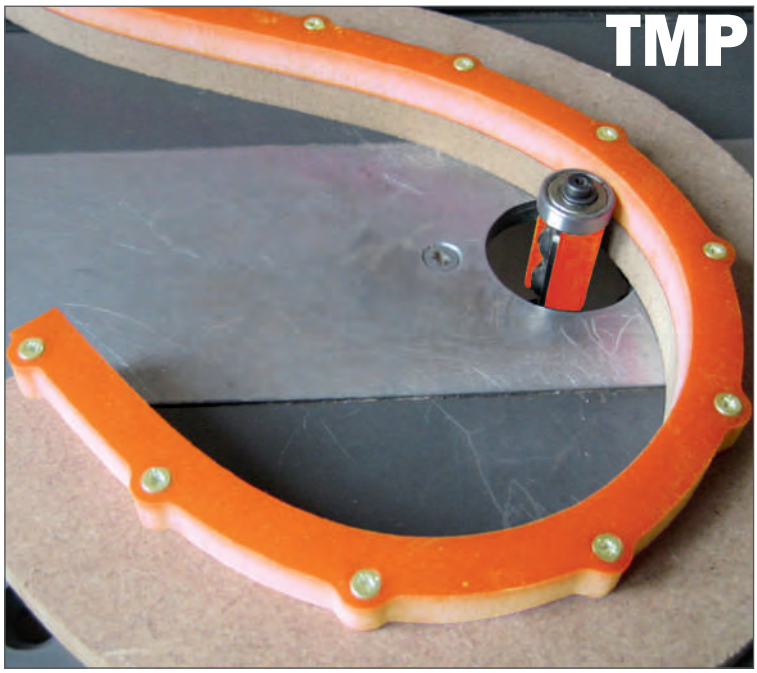
The CMT flexible template is easy to screw on any kind of wooden panels, MDF or chipboard for creating forms, arcs and curved elements easily and rapidly. In order to fix your template you can use countersunk screws, which are widely available on the market. The CMT template is made of a highly-resistant flexible plastic, which can be tied in knots without any risk of ruining or reducing flexibility.

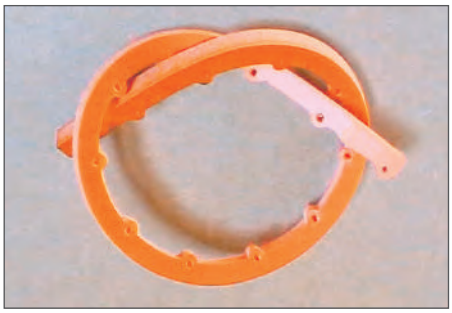
Screw your template to the edge of the panel and follow its shape and rout the border on the guide ring. The template is suitable for manual feed on routers, router tables and spindle moulders. Rout easily, safely and accurately to make multiple forms such as arcs, curved elements and cut-out forms. Mark the edge of your form precisely and screw it onto a previously-placed panel from underneath.

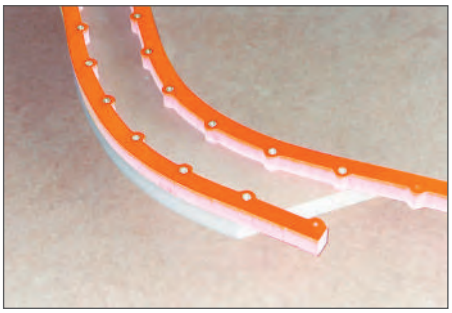
If you rout with a guide ring mounted onto your spindle moulder, keep your hands a safe distance behind the template. Two different profiles in three lengths are available. Please notice that the smallest profile features a short radius, whereas the larger profile features a larger opening in case of flat and long curves.

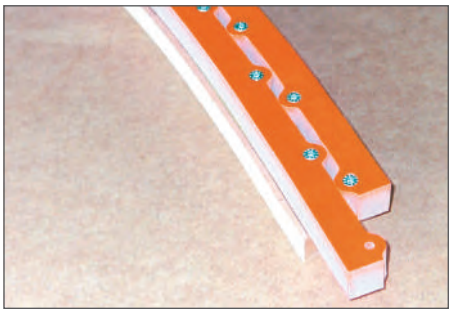
Check out the **Flexible Template** on YouTube

| DESCRIPTION | L mm | ORDER NO. |
|---|---|---|
| Flexible template for routing 12x12mm | 1200 | **TMP-1200** |
| Flexible template for routing 18x18mm | 1200 | **TMP-1000** |





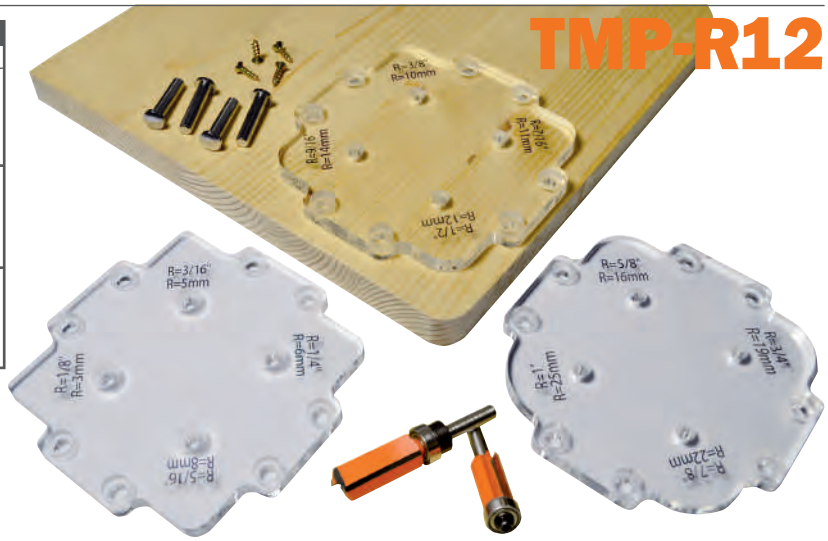


# 12 Corner Radius Router Template Set from 3mm to 25mm

Our useful 3-piece corner radius template set includes 8mm thick acrylic templates that will allow you to make 12 different radii (4 per template) by using a flush trim or a pattern bit (sold separately). Included with the templates you will also find 4 alignment pins and 4 wood screws.
Use the pins to align the template onto your workpiece, then use the four wood screws provided to secure it. Remove the alignment pins and use the bit to cut the corner of your workpiece to the same radius as the template.

| DESCRIPTION | ORDER NO. |
|---|---|
| 12 Corner Radius Router Template | **TMP-R12** |
| ***Set contains:*** | |
| 12 Different Radii (3 templates) | |
| 4 Alignment Pins | |
| 4 Wood Screw | |

| RADIUS | |
|---|---|
| mm | inches |
| 3 | 1/8” |
| 5 | 3/16” |
| 6 | 1/4” |
| 8 | 5/16” |
| 10 | 3/8” |
| 11 | 7/16” |
| 12 | 1/2” |
| 14 | 9/16” |
| 16 | 5/8” |
| 19 | 3/4” |
| 22 | 7/8” |
| 25 | 1” |

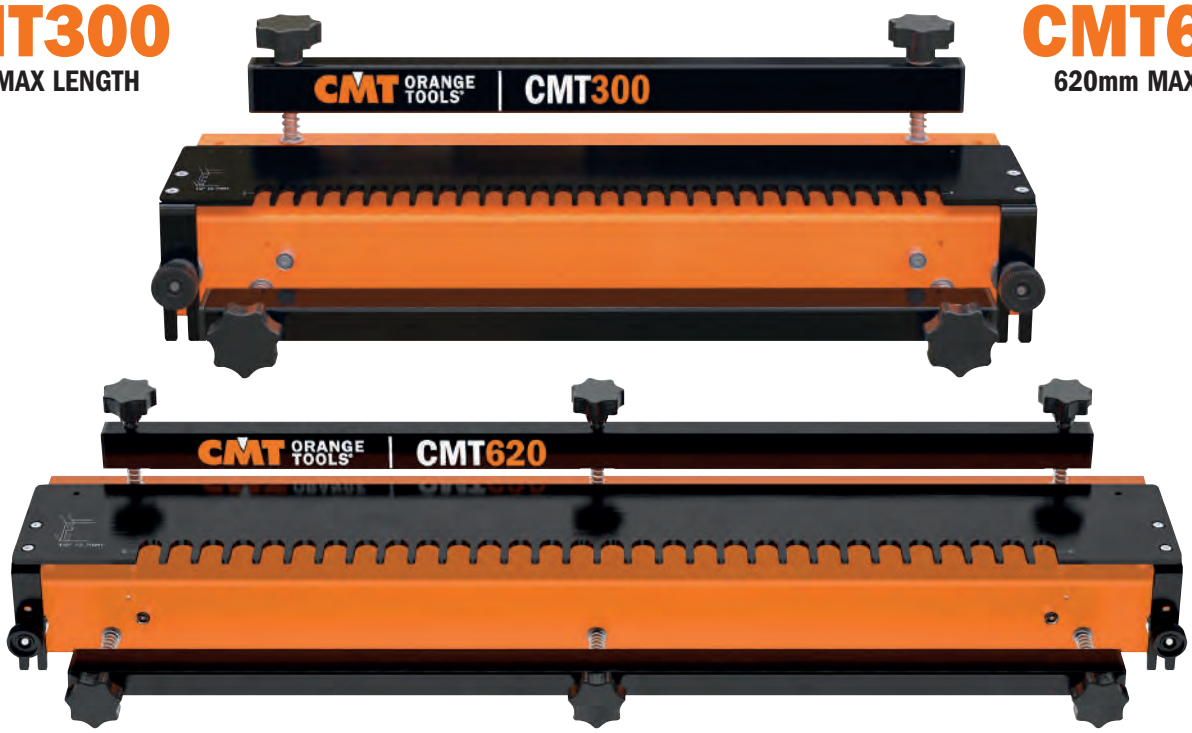


new

CMT ORANGE TOOLS®

# CMT300
**305mm MAX LENGTH**

# CMT620
**620mm MAX LENGTH**




## CMT300 *Standard Equipment*

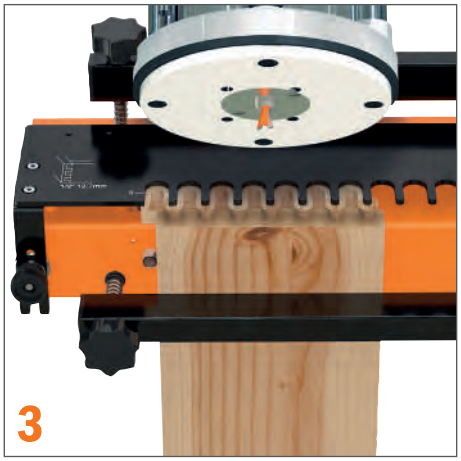
- **CMT300-T128** Comb Template for Half-Blind Dovetail Joint 12.7mm (1/2")
- **899.005.00** Template Guide Ring (Ø15.8x4mm)

*Download instructions sheets from our website*

## CMT620 *Standard Equipment*

- **CMT620-T128** Comb Template for Half-Blind Dovetail Joint 12.7mm (1/2")
- **899.005.00** Template Guide Ring (Ø15.8x4mm)

| MAX LENGTH [MM] | DESCRIPTION | ORDER NO. |
|---|---|---|
| 305 | Universal Jointing System Dovetail/Box Joint | **CMT300** |
| 620 | Universal Jointing System Dovetail/Box Joint | **CMT620** |




## TEMPLATE GUIDE RING & OPTIONAL BASE PLATE

The template guide ring is compatible with most routers on the market and can be mounted using the two screws provided.
If your router isn't compatible with the template guide ring, an optional base plate may be required ***(not included)***:

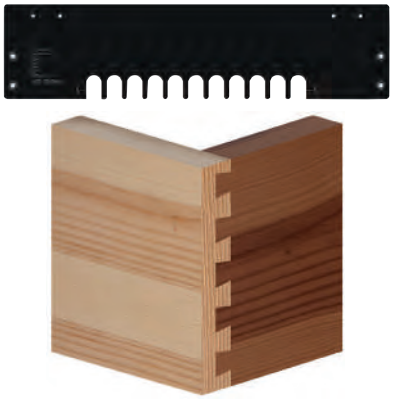
**CMT300-SB:** Prebored for **CMT7E** and **CMT12** routers
**CMT300-SB1:** Unbored (for non-CMT routers) + Centering pin Ø8 – Ø12mm

CMT300-SB

new

CMT ORANGE TOOLS®

## Additional Comb Template and recommended CMT Bits (NON INCLUDED)

| # COMB TEMPLATE | CMT300-T128<br>CMT620-T128<br>*Standard Equipment* | CMT300-T064<br>CMT620-T064 | CMT300-T080<br>CMT620-T080 |
|---|---|---|---|
| JOINT TYPE | HALF-BLIND DOVETAIL JOINT 12.7MM (1/2”)<br>  <br>JOINT THICKNESS 12 ~ 25 | HALF-BLIND DOVETAIL JOINT 6.35MM (1/4”)<br> <br>JOINT THICKNESS 8 ~ 12 | BOX JOINT 8MM (5/16”)<br> <br>JOINT THICKNESS 8 ~ 15 |
| Ø BIT SHANK [MM] | | | |
| 6 | 718.127.11 | 718.060.11 | 811.081.11 |
| 6.35 | 818.128.11 | 818.064.11 | - |
| 8 | 918.127.11 | - | 912.080.11 |
| 12 | - | - | - |
| 12.7 | 818.628.11 | - | - |
| # TEMPLATE GUIDE RING (included with comb template) | 899.005.00<br>(Ø15.8x4mm) | 899.003.00<br>(Ø7.8x4mm) | 899.004.00<br>(Ø11.1x4mm) |

| # COMB TEMPLATE | CMT300-T127<br>CMT620-T127 | CMT300-T129<br>CMT620-T129 | | CMT300-T190<br>CMT620-T190 | |
|---|---|---|---|---|---|
| JOINT TYPE | BOX JOINT 12.7MM (1/2”)<br> <br>JOINT THICKNESS 8 ~ 22 | THROUGH DOVETAIL JOINT 12.7MM (1/2”)<br> <br>JOINT THICKNESS 8 ~ 19 | | THROUGH DOVETAIL JOINT 19MM (3/4”)<br> <br>JOINT THICKNESS 16 ~ 25 | |
| Ø BIT SHANK [MM] | | | | | |
| 6 | 812.127.11 | - | - | 718.190.11 | - |
| 6.35 | - | 818.129.11 | 811.081.11 | 818.190.11 | 812.127.11 |
| 8 | 912.127.11 | 918.129.11 | 912.080.11 | 918.190.11 | 912.127.11 |
| 12 | - | - | - | 918.690.11 | - |
| 12.7 | 811.627.11 | - | - | 818.190.11 | 811.627.11 |
| # TEMPLATE GUIDE RING (included with comb template) | 899.005.00<br>(Ø15.8x4mm) | 899.005.00<br>(Ø15.8x4mm) | 899.004.00<br>(Ø11.1x4mm) | 899.006.00<br>(Ø22x4mm) | 899.005.00<br>(Ø15.8x4mm) |

# Universal Hinges Boring System

CMT ORANGE TOOLS®

The innovative **CMT333** Hinge Boring System with 3 spindle-heads allows you to bore holes for any hinge brand. The universal modular base supports the installation of many boring heads engineered by worldwide leading companies in the sector. Use the **CMT333** universal hinge boring system on all hand-held or standing drill press tools.

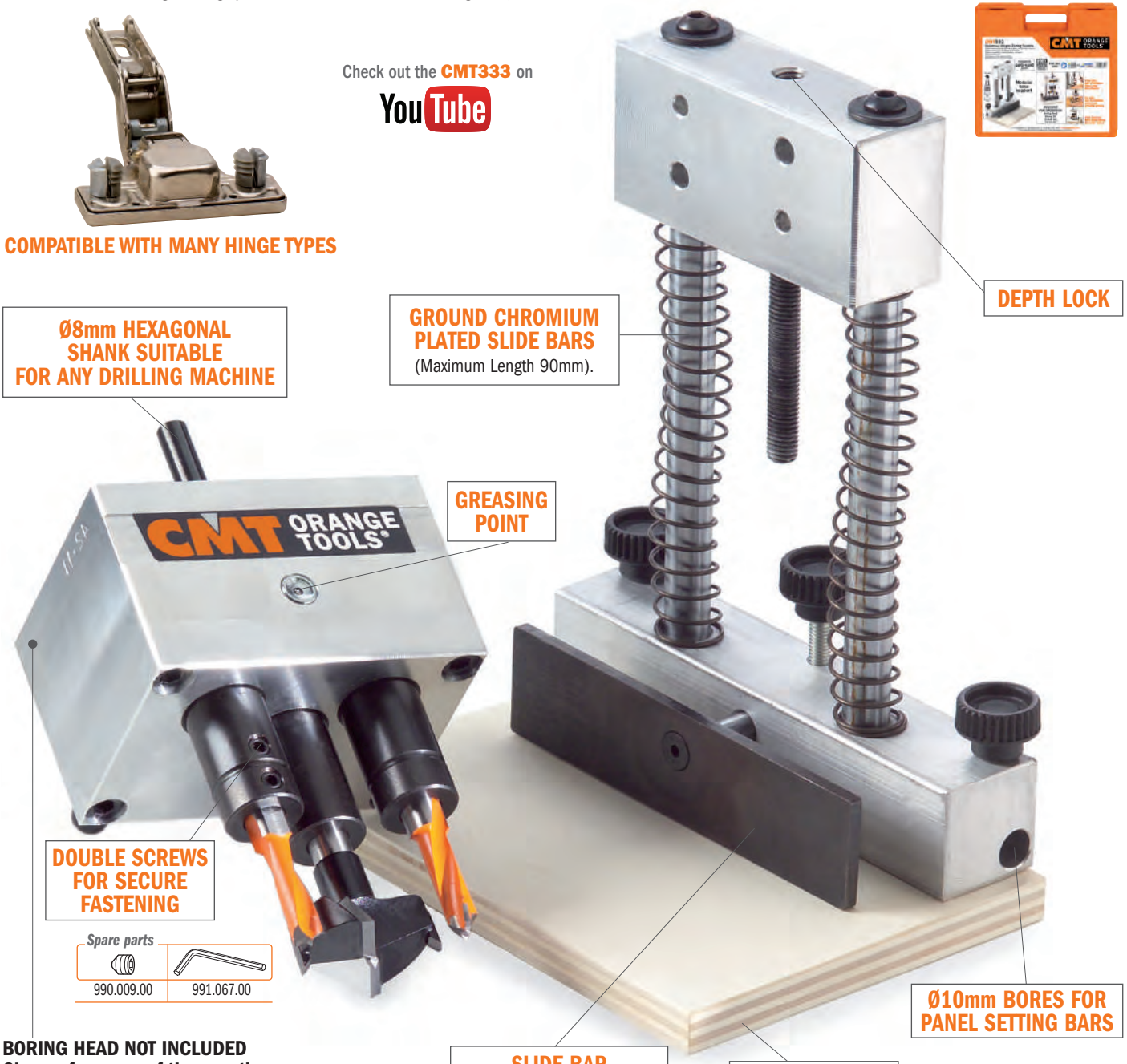
## CMT333





**COMPATIBLE WITH MANY HINGE TYPES**

Check out the **CMT333** on YouTube




**BORING HEAD NOT INCLUDED**
**Choose from one of these options:**

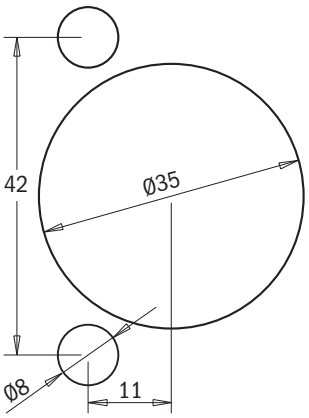
- CMT333-4211
- CMT333-4809
- CMT333-4300
- CMT333-5255
- CMT333-4595
- CMT333-325

*For use on standing drill presses and the CMT Industrio Routing Table.*

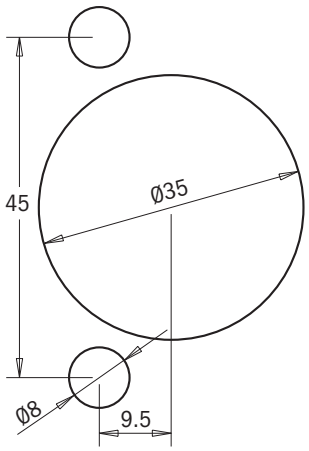
# CMT333

**TECHNICAL FEATURES:**
- All parts rust-proof
- Ground aluminum
- Max 5000 RPM
- Six radial antifriction bearings

**SAFETY TIPS:**
We recommend **Mobil SHC100** for lubrication

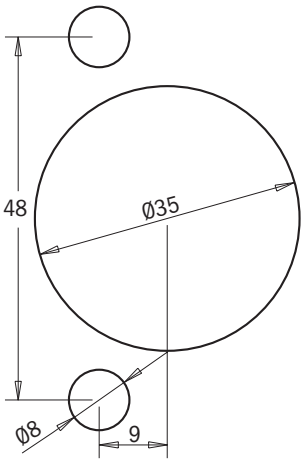



**1** **CMT333-4211**
for GRASS® hinges 42/11

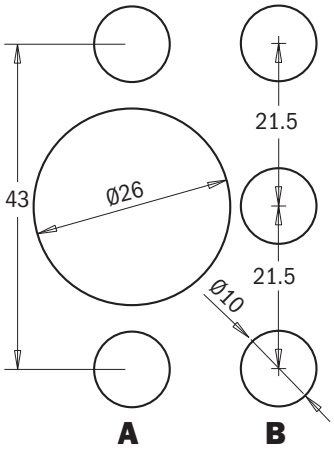



**2** **CMT333-4595**
for BLUM® hinges 45/9.5

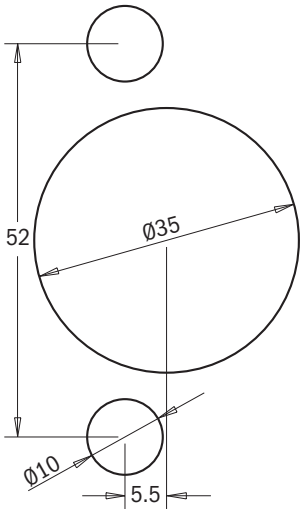
Example BLUM® hinge




**3** **CMT333-4809**
for MEPLA® hinges 48/9



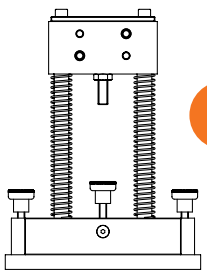

**4** **CMT333-4300**
for window handles 43/00



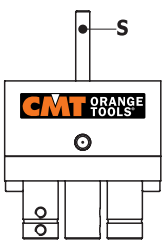

**5** **CMT333-5255**
for HETTICH®, WÜRTH® hinges 52/5.5

## MAXIMUM VERSATILITY

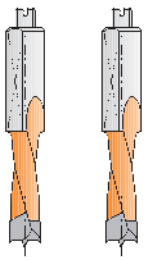
| SUPPORT MODULAR BASE | BORING HEADS | DRILL BITS | BORING BIT | MAKE YOUR SET |
|---|---|---|---|---|



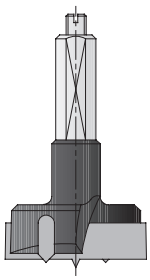
+




+



+



=

| ORDER NO. | ORDER NO. | S | ORDER NO. Left-hand rotation | ORDER NO. Right-hand rotation |
|---|---|---|---|---|
| CMT333 | CMT333-4211 | 8mm | 310.080.12 (2 pcs.) | 317.350.11 |
| CMT333 | CMT333-4595 | Hexagonal | 310.080.12 (2 pcs.) | 317.350.11 |
| CMT333 | CMT333-4809 | 8mm | 310.080.12 (2 pcs.) | 317.350.11 |
| CMT333 | CMT333-4300 | Hexagonal | 310.100.12 (2 pcs.) | 317.260.11/310.100.11 |
| CMT333 | CMT333-5255 | Hexagonal | 310.100.12 (2 pcs.) | 317.350.11 |
| CMT333 | CMT333-325 | Hexagonal | (3 pcs. RH + 2 pcs. LH) | |

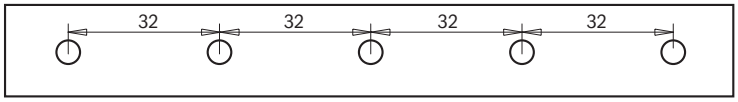
| *Choose your hinge* | | |
|---|---|---|
| 1 | GRASS® | 42/11 |
| 2 | BLUM® | 45/9.5 |
| 3 | MEPLA® | 48/9 |
| 4 | Window handles | 43/00 |
| 5 | HETTICH®, WÜRTH® | 52/5.5 |
| 6 | SYSTEM 32 | 32 |

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

# Boring Head System 32

The universal modular base **CMT333** supports the installation of the System 32 with 5 adaptors.

## CMT333-325



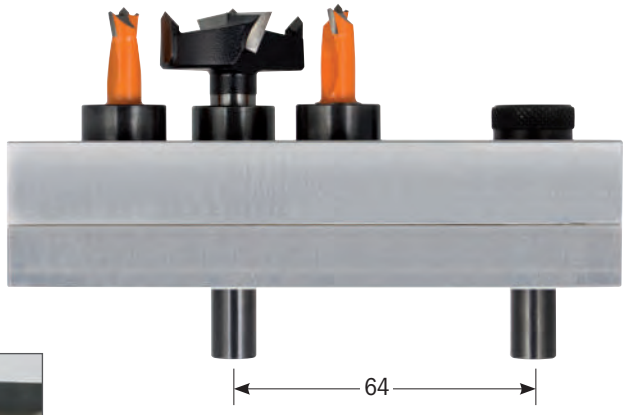

| DESCRIPTION | ORDER NO. |
|---|---|
| Boring head with 5 adaptors for System 32 | **CMT333-325** |

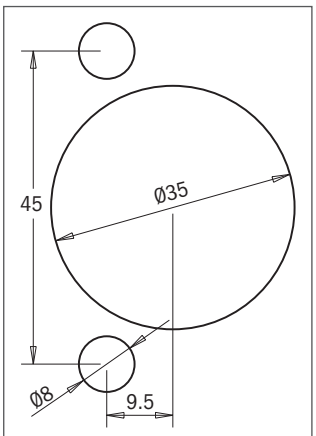
# BLUM® Hinge Boring Head

The **CMT334** BLUM® Hinge Boring Head features three spindles which allow you to bore hinge holes cleanly and efficiently.

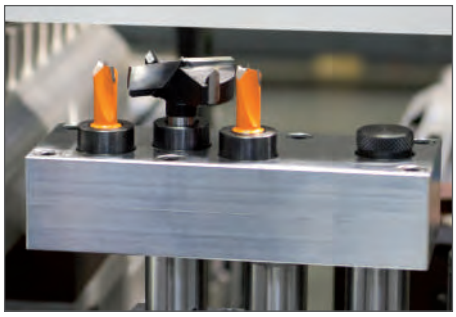
## CMT334

| DESCRIPTION | ORDER NO. |
|---|---|
| Hinge Boring Head (bits not included) | **CMT334-4595** |
| Boring Bit Ø35x38.5mm. Right-hand rotation | **393.350.11** |
| Dowel Drill Ø8x38.5mm. Left-hand rotation | **393.080.12** |




**CMT334-4595**
for BLUM® hinges 45/9.5

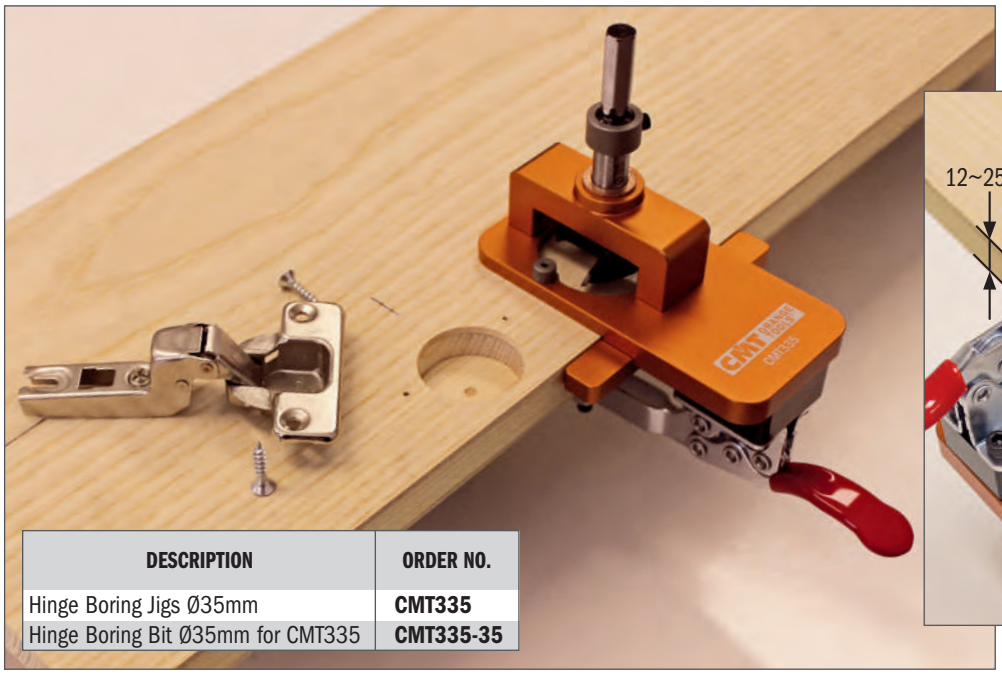


*For use on boring and point-to-point machines*

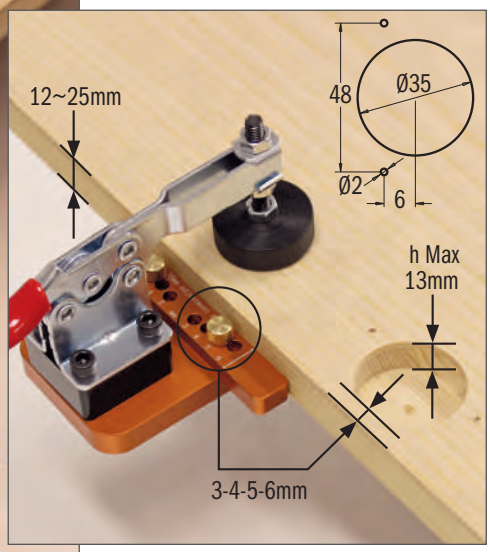


® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

# CMT335

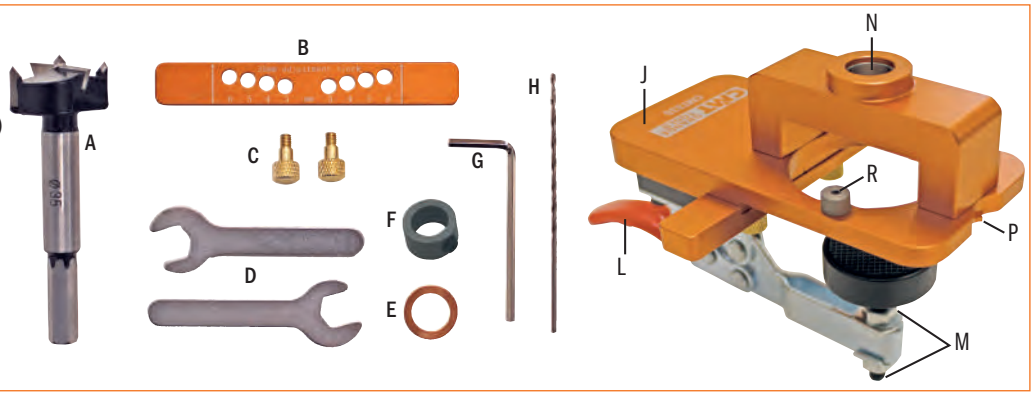


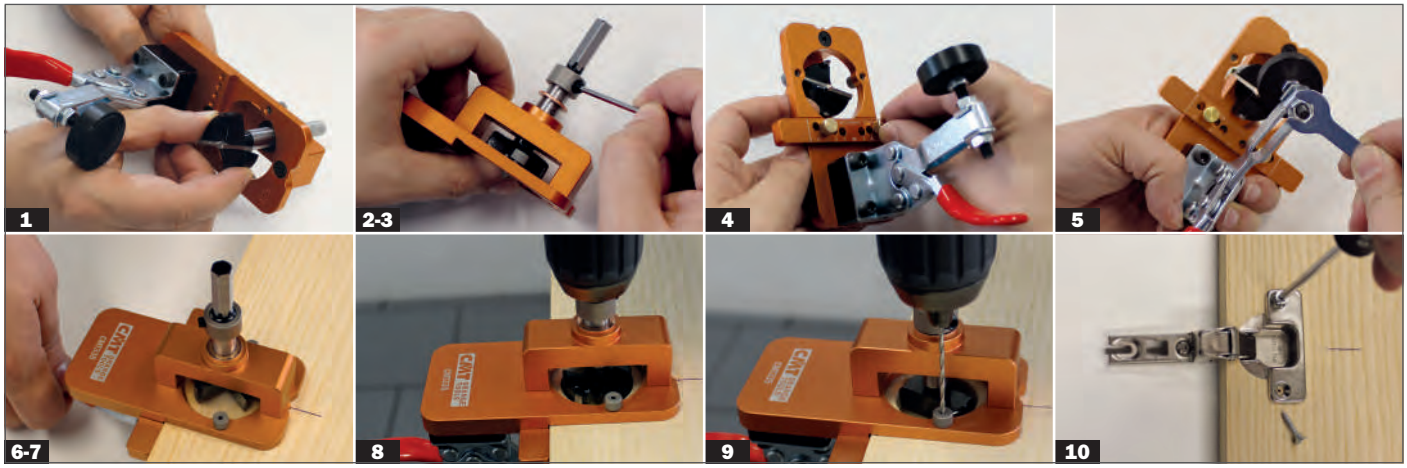
| DESCRIPTION | ORDER NO. |
|---|---|
| Hinge Boring Jigs Ø35mm | **CMT335** |
| Hinge Boring Bit Ø35mm for CMT335 | **CMT335-35** |




## Standard Equipment

J. Portable 35mm Hinge Boring Jig
A. 35mm Hinge Boring Bit (**CMT335-35**)
B. Adjustable Distance Bar
C. Screw for Adjustable Distance Bar (2 pcs.)
D. 10mm Wrench (2 pcs.)
E. Spacer
F. Depth Collar
G. Hex Key 3mm
H. 2mm Drill Bit




## INSTRUCTIONS FOR USE

1. Lift the quick lever clamp [L] of the **CMT335** (J) and insert the 35mm Hinge Boring Bit [A] with tip/cutting edge side up, into the hole where the 12mm bearing [N] is housed.
2. Insert the spacer [E] and depth collar [F] on the shank of bit, then with the hex key [G] tighten the screw on the depth collar to lock it in place.
3. Depending on the hinge model, adjust the desired drilling depth (max 13mm) by moving the depth collar [F].
4. Assemble the Adjustable Distance Bar [B] using the screws [C].
   The arrows on the bar must point towards the Hinge Boring Bit.
   The distance between the main hole and the panel's edge can be adjusted by changing the screws' positions in their respective holes (3-4-5-6mm) depending on the hinge model (the most common setting is at 5mm).
5. By loosening and tightening the nuts [M] with the 10mm Wrenches [D], you can determine the thickness (from 12 to 25mm) of the material you need to clamp with your jig.
6. Draw a reference line on the work piece. This line must correspond to the center hole of hinge bracket.
7. Secure your jig **CMT335** to the work piece using the lever [L] and with the help of the reference spur [P]. Center it on the reference line.
8. Connect your drill to the Hinge Boring Bit and pressing the tool downwards, create the main hole for the hinge.
9. Mount the 2 mm Drill Bit [H] on your drill and make two small reference holes (center-to-center distance 48mm; offset 6mm) using the specific bushings [R].
10. Mount your hinge by securing it with two screws. The job is done.

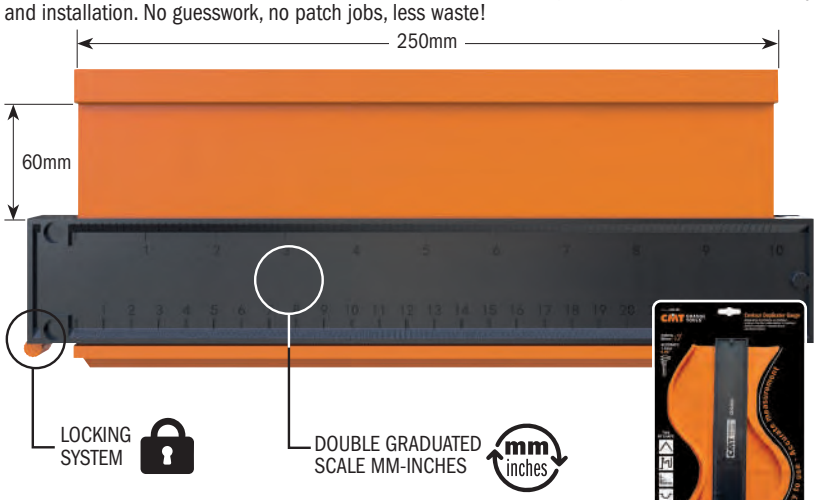
THE PORTABLE HINGE BORING JIG **CMT335** IS EXCLUSIVELY COMPATIBLE WITH 35MM HINGE BIT (Order no: **CMT335-35**).

# Contour Duplicator Gauge

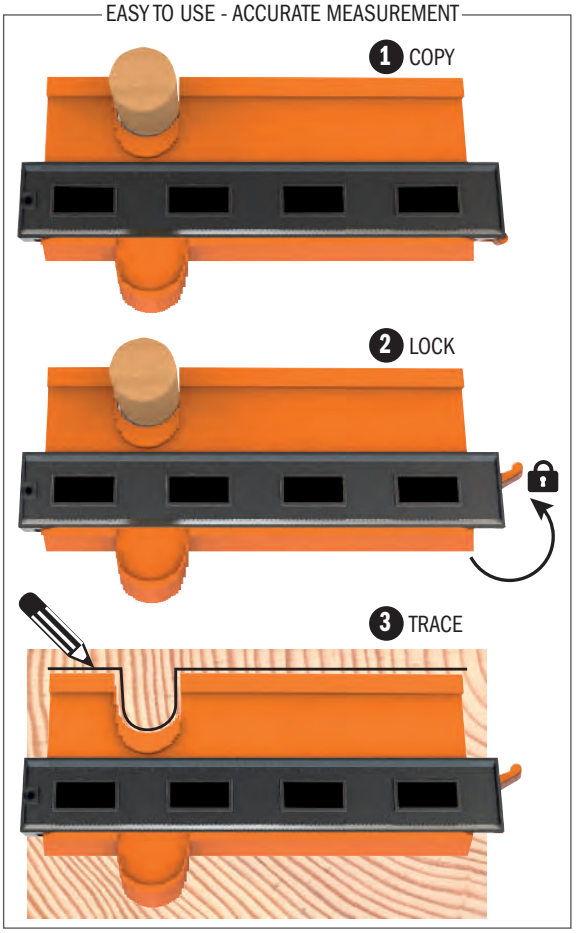
CMT ORANGE TOOLS®

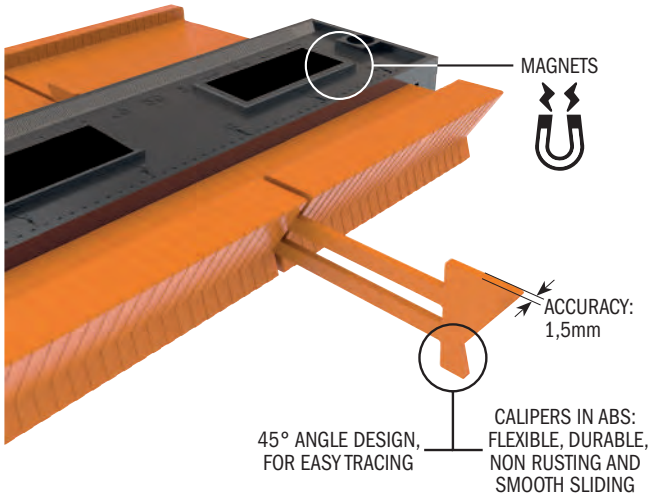
## CDG-001

For precision tracing of shapes, even curved, in a variety of materials. Easy sliding calipers designed to mold and duplicate any form: pipes, columns, tubing, regular and irregular walls, baseboards, crown molding, door and window framework.
For use on applications such as tile, wood, wood derivatives, composite, porcelain, ceramic, vinyl, flooring for easy tracing, fitting and installation. No guesswork, no patch jobs, less waste!




| DESCRIPTION | | ORDER NO. |
|---|---|---|
| Contour Duplicator Gauge | 5 | CDG-001 |



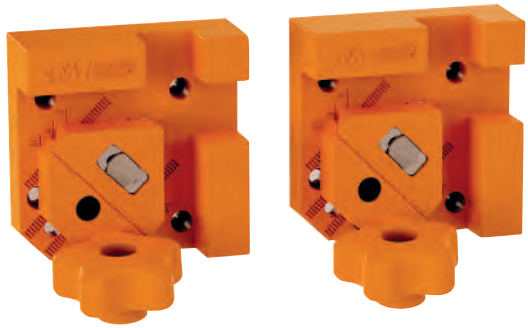




TYPE OF SHAPE

# Adjustable Corner Frame Clamps

## CFC-002

CMT Adjustable Corner Frame Clamps will easily create the perfect 90° angle or handy T-joints typical in shelving, cabinets and frame applications using boards of variable thicknesses from 6 to 25.4mm. These clamps allow you to work independently, and above all, hands-free so you can glue, dry-fit, nail, screw, or square your joint securely and accurately – just like a professional. The special design allows you to immobilize the panels from the inside (hex key) and from the outside (knob) according to your project needs. Set up is easy as 1-2-3: position the clamp, twist the knob and presto! Equal pressure is instantly applied on each side of the corner and you have a perfectly squared 90° joint! Made of sturdy and durable plastic material, the clamp features a double graduated scale in mm/inches for a broad range of adjustments.



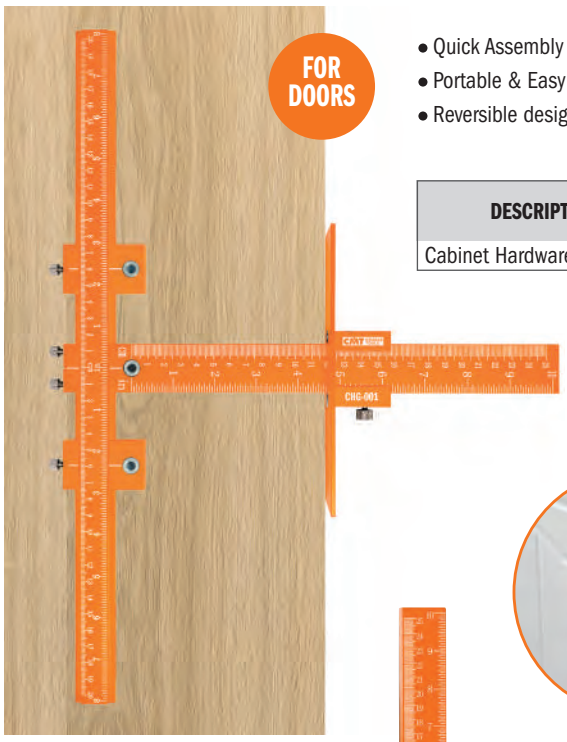
| DESCRIPTION | ORDER NO. |
|---|---|
| 2 pcs. Adjustable Corner Frame Clamps 100x100x35 | CFC-002 |

# Cabinet Hardware Jig Guide

new

CMT ORANGE TOOLS®

## CHG-001

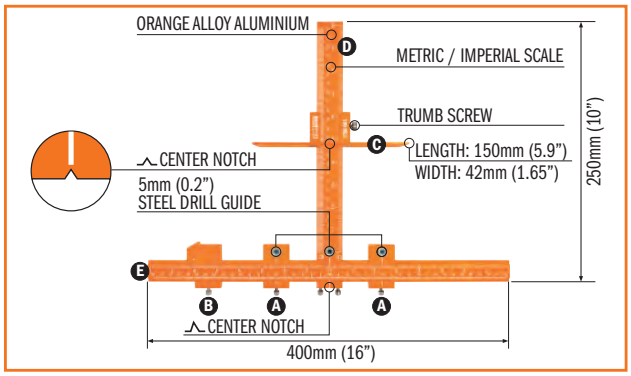


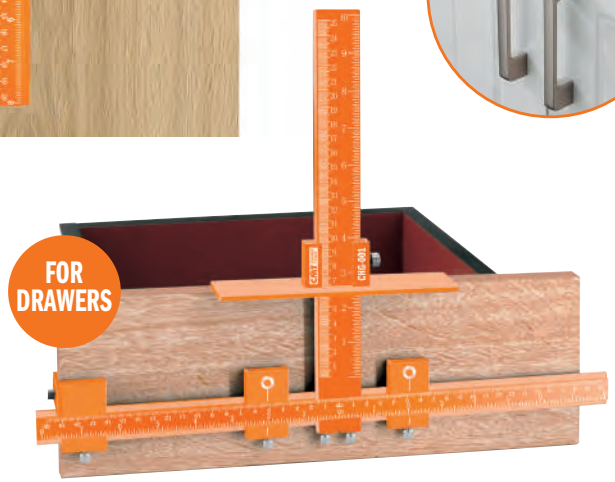

- Quick Assembly & Precise Positioning
- Portable & Easy to use
- Reversible design for Left & Right Doors

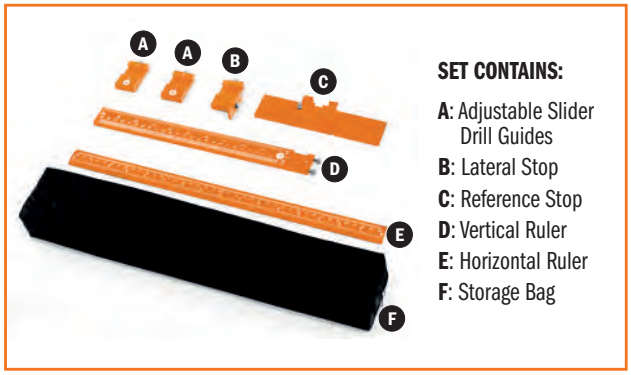
| DESCRIPTION | ORDER NO. |
|---|---|
| Cabinet Hardware Jig Guide | **CHG-001** |

**TECHNICAL DETAILS:**

- Vertical scale:..... 0~250mm (0~10")
- Horizontal scale (each side):..... 0~200mm (0~8")
- Dimension:..... 410 x 310 x 42mm (16.15" x 12.2" x 1.65")
- Weight:..... 0.55Kg (1.2lb)



**SET CONTAINS:**

- **A**: Adjustable Slider Drill Guides
- **B**: Lateral Stop
- **C**: Reference Stop
- **D**: Vertical Ruler
- **E**: Horizontal Ruler
- **F**: Storage Bag

# 3-piece Precise Measurement Pack

## DMS-001

| DESCRIPTION | ORDER NO. |
|---|---|
| 3-piece Measurament Pack | **DMS-001** |
| *Set contains:* | |
| Digital angle finder | **DAF-001** |
| Digital height gauge | **DHG-001** |
| Digital angle gauge | **DAG-001** |

**DAF-001**

**DHG-001**

**DAG-001**

# Digital Height Gauge

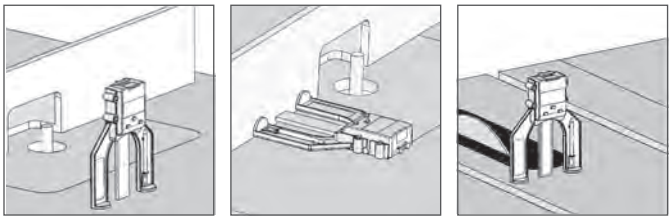
CMT ORANGE TOOLS®

## DHG-001

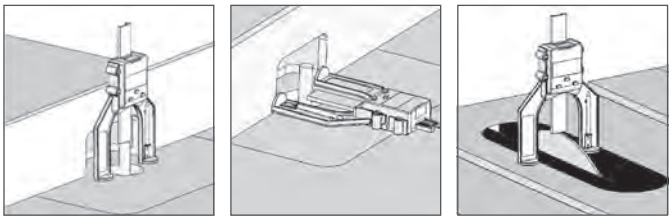
- Digital height gauge (mm/inch/fraction).
- Precise measurements for: Router bits, Saw blades, Band saw blades, Cutter heads, Drill bits, Holes depth.
- Measuring ruler with locking screw.
- Self standing with magnets.
- Depht pin to measure narrow holes or channels.
- Instruction manual.

✓Compliant with:
ANSI/US 4200A-2023

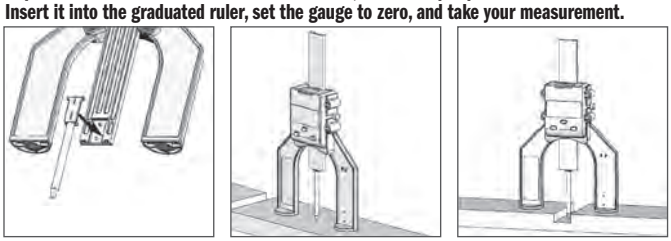
**Place your gauge on a flat surface and set to zero**



**Position your gauge on tools that you want to measure**



**Depth Pin to measure narrow holes or channels, use the depth pin.**
**Insert it into the graduated ruler, set the gauge to zero, and take your measurement.**



**TECHNICAL DETAILS:**

- Measuring range: .....0~80mm (0~3-1/8");
- Depht pin: .....0~52mm (0~2")
- Wide opening: .....60mm (2.35")
- Resolution: .....0.05mm (0.002")
- Accuracy: .....±0.1mm (±0.004")
- Battery: .....**Not Included**
- Battery Type: .....CR2032-3V; Lithium Button Cell

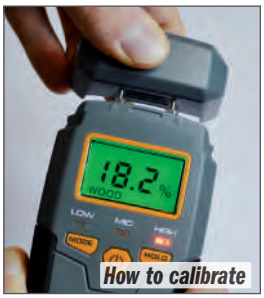
| DESCRIPTION | | ORDER NO. |
|---|---|---|
| Digital Height Gauge | 10 | **DHG-001** |

# Digital Moisture Meter

## DMM-001

Ideal for use in woodworking, building construction and agriculture industries. The **DMM-001** is also an invaluable tool in the restoration field. Ideal for locating moisture in carpets and sub-flooring.
Ultra-sensitive Digital Moisture Meter easily detects hidden leaks in wood, concrete, plaster and carpet.
Providing accurate moisture level readings make this tool great for new home inspections, locating roof leaks or even selecting dry lumber at the yard.
Display will show the moisture content in Percent Moisture Content directly.

***Calibration holes***




- Measures moisture content by detecting a material's electrical resistivity using two pins.
- Measurement output is displayed on a practical LCD screen.
- Instruction manual.

**TECHNICAL DETAILS:**

- Moisture measuring range: .... 5~50% (in wood); 1.5~33% (in building material)
- Accuracy: ..... ±2%
- Backlight shut off: ..... Approx. 15 seconds
- Auto power off: ..... After 3 minutes idle
- Battery: .....**Not Included**
- Battery Type: .....9V Battery Block (6F22 or 6LR6); Alkaline
- Low battery indicator: ..... <7V
- Working current: ..... <25mA
- Working temperature: ..... 32°F~122°F
- Working humidity: ..... <90%RH non-condensing
- Storage: ..... -4°F~140°F ≤85% (without battery)
- Dimensions: ..... 145 x 65 x 25mm (5-11/16" x 2-9/16" x 1")
- Weight: ..... About 3oz (without battery)

| DESCRIPTION | | ORDER NO. |
|---|---|---|
| Digital Moisture Meter | 5 | **DMM-001** |

***Spare parts*** **DMM-001/1** Set 2 Pin for DMM-001

# Digital Angle Gauge

CMT ORANGE TOOLS®

**Ideal for miter saws and table saws.**
**Precisely sets saw blade bevel angles.**

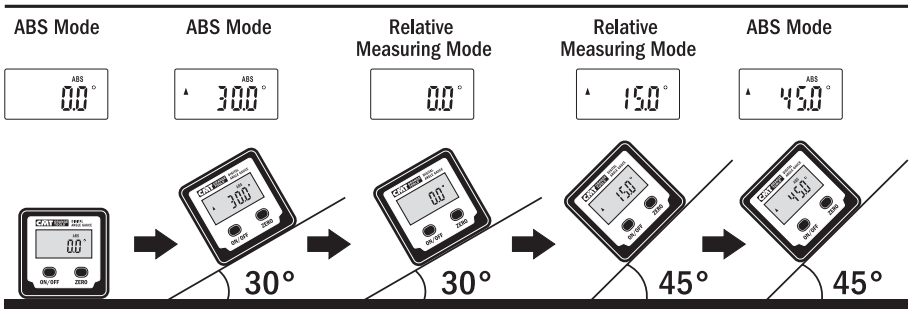
## DAG-001

- Automatic LCD backlight.
- Large display for easy digital reading.
- Measurements in absolute or relative mode.
- Angles displayed in degrees.
- Automatic digit inversion for overhead measurements.
- Magnetic base.
- Carry Case included.
- Instruction manual.

| DESCRIPTION | ORDER NO. |
|---|---|
| Digital Angle Gauge | **DAG-001** |

**TECHNICAL DETAILS:**

- Range: ..... ±90°x 4
- Resolution: ..... 0.1°
- Accuracy: ..... ±0.1°(0°-90°); ±0.2°
- Battery: ..... **Not Included**
- Battery Type: ..... AAA-1.5V; Alkaline
- Dimensions: ..... 60 x 60 x 28mm
  (2-3/8" x 2-3/8" x 1-1/8")



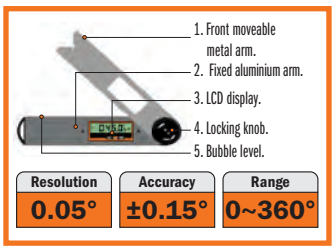

Horizontal Plane

# Digital Angle Finder

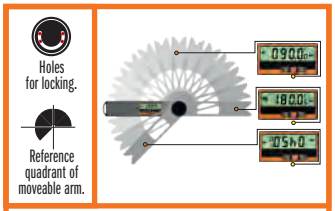
✓Compliant with: ANSI/US 4200A-2023

This digital angle finder is a multi-functional tool for many measuring applications. Easy to operate, the base unit carries the electronics featuring clear detailed LCD display, a pair of levelling vials and a pivoting measuring arm. When the arm is extended, the angle created with the base is indicated clearly on digital read-out to the nearest 0.05°.
The measuring range is 0 - 360°. The vials allow both vertical and horizontal variations to be accurately measured. Other features include a lock function to prevent the last measurement being lost, a low battery indicator and automatic shut off function.
Robust yet lightweight, this tool is very versatile.

## DAF-001




| DESCRIPTION | ORDER NO. |
|---|---|
| Digital Angle Finder | **DAF-001** |



- Easy and simple to use.
- Calculates angles in seconds.
- Large detailed LCD display.
- Robust, lightweight aluminium construction.
- Instruction manual.

**TECHNICAL DETAILS:**

- Range:..... 0-360°
- Resolution: ..... 0.05°
- Accuracy: ..... ±0.15°
- Battery: ..... **Not Included**
- Battery Type: ... CR2032-3V; Lithium Button Cell
- Dimensions: .... 268 x 50 x 25mm (10-1/2" x 2" x 1")

Watch the video on YouTube

# Laminate/Veneered-Panel Cutter

## DET-003

A very useful hand tool for clean, splinter-free cuts on laminates and veneer with no waste. Place your material into the fence provided and run the cutter along the edge of the panel. The two opposing steel-made circular cutting blades mounted on roller bearings will trace the cutting line. Use the micrometer knob on the top of the tool to set the cutting thickness, or adjust the strip width by using the metric/inch scale provided. Loosen the lock knob on the scale, move the metal bracket which holds the fence and tighten the lock knob again on the desired cutting width.

**TECHNICAL DETAILS:**

- Cutting width: 12~110mm (15/32" ~ 4-21/64").
- Cutting depth: 0~2mm (0 ~ 5/64").
- Weight: 1.2 kg (2.65 lbs).

| DESCRIPTION | ORDER NO. |
|---|---|
| Laminate/Veneered-Panel Cutter | **DET-003** |

***Spare parts*** **DET-003K** Pair of cutters right-left for DET-003

# Edge Banding Iron

## DET-004

Turn on the **DET-004** Edge Banding Iron using the switch and place it on the stand provided. After about 10 minutes, the iron will reach its maximum temperature. You can then apply the pre-glued tape to the edge of your panel by running the tool over it.
The non-stick surface of the base and its shape make it easy and quick to apply the edging.

**TECHNICAL DETAILS:**

- Power: 30W
- Voltage: 110-230V (50-60Hz)
- Maximum temperature: 180° ±10° C
- Plug type: F
- Cable length: 1.3m
- Weight: 0.4 Kg

| DESCRIPTION | ORDER NO. |
|---|---|
| Edge Banding Iron | **DET-004** |

# Edge Banding End Trimmer

## DET-002

An indispensable tool for easy and safe end trimming after edge banding. Position the tool on the banding, press down on the handle to operate the blade in a shearing action. The cutting knives are interchangeable, so when the cutting knife becomes dull, you can simply replace it with the anvil knife for a double lifetime. For cutting banding up to 0.5mm thick with a maximum cutting width of 54mm.
This tool can also be paired up with our double edge trimmer **DET-001**.
We recommend using our edge banding end trimmer **DET-002** before using our double-edge trimmer **DET-001**.

| DESCRIPTION | ORDER NO. |
|---|---|
| Edge Banding End Trimmer | **DET-002** |

***Spare parts*** **DET-002K** 2 pcs. replacement blade set 55x13x1.5mm

# Double-Edge Trimmer

## DET-001

Attach this trimmer to your workpiece, press both ends against the board for a cutting range between 13mm (1/2") and 25mm (1"), move the trimmer in the correct direction indicated by the arrow. This will cut on both sides easily. The first cutter will cut straight, the second one can be adjusted for a tapering cut. Both cutters are made from high-quality hardened steel and can be easily replaced when worn out.

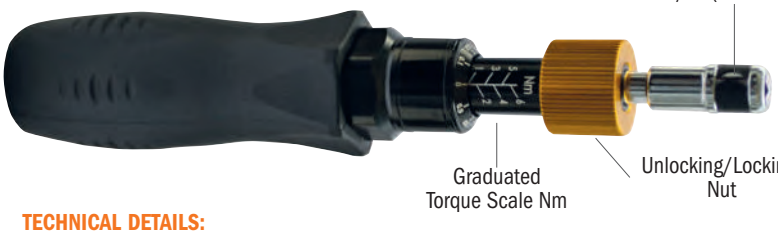
| DESCRIPTION | ORDER NO. |
|---|---|
| Double-Edge Trimmer | **DET-001** |

***Spare parts*** **DET-001K** Spare knives for double-edge trimmer

# Adjustable Torque Screwdriver Set 1~6 Nm

The Adjustable Torque Screwdriver set includes 20 types of inserts and provides a sturdy protective case to store and keep tools safe. In addition to the instruction manual, inside you'll find the calibration certificate (unique for each instrument) according to DIN ISO 6789 & ASME B107.300-2010.

## TW-006




**Standard Equipment**

- Torque screwdriver
- 20 types of inserts:
  - 0-1-2-3 (n°4 pcs)
  - 8-9-15-20-25 (n°5 pcs.)
  - 3-4-5-6 (n°4 pcs.)
  - 1.5-2-3-4-5-6 (n°6 pcs.)
  - Square Adaptor 1/4" (6.35mm), n°1 pc.
- Plastic case
- Instruction manual
- Calibration certificate

**TECHNICAL DETAILS:**

- Range..... 1~6 Nm
- Resolution ..... 0.1 Nm
- Tolerance..... ±6%
- Length ..... 195mm (7.7")
- Weight..... 335gr. (11.8oz)
- Automatic quick-release, audible and palpable click, when selected torque is reached
- Automatic reset after 90°
- Right-handed (CW)

**TORQUE SUGGESTED***

| THREAD | Nm |
|---|---|
| M2.5 | 1.0 |
| M3 | 1.2 |
| 1/8" | 1.4 |
| M3.5 | 1.8 |
| M4 | 2.7 |
| M5 | 5.3 |

*** Suggested tightening torque for CMT screws (Class 8.8)**

To download this user manual in a different language, visit **www.cmtorangetools.com**

**APPLICATION:**

*The Adjustable Torque Screwdriver is versatile enough for use in many fields, but we recommend it for the tightening or fastening of CMT bits and cutter heads with interchangeable knives.*

Some CMT products may require the use of an extension, which is not included in the **TW-006** set.

| DESCRIPTION | | ORDER NO. |
|---|---|---|
| Adjustable torque screwdriver set 1~6 Nm | 24 | TW-006 |

# Interchangeable Torque Wrench 20~200 Nm

The Interchangeable Torque Wrench comes complete with a sturdy protective case to store and keep tools safe, an instruction manual, and calibration certification (unique for each instrument) according to DIN ISO 6789 & ASME B107.300-2010.

## TW-200

Scale Adjuster — Torque Scale (Nm/Lbt-ft) — Interchangeable Head S=14x18mm

**Optional**

**TW-2836** (ER16 & ER20)
**TW-4045** (ER25)
**TW-5055** (ER32)
**TW-5862** (ER40 & EOC25)
**TW-8001** (Kinetic Dust Extractor 992)
**TW-1001** (Kinetic Dust Extractor 992)

**TW-A912**

**TW-A095**
**TW-A127**

**TECHNICAL DETAILS:**

- Range..... 20~200 Nm (10-150 lbf-ft)
- Resolution ..... 1 Nm
- Tolerance..... ±4%
- Length ..... 500mm (19.7")
- Weight..... 1.15Kg. (40.6oz)
- Automatic quick-release, audible and palpable click, when selected torque is reached
- Right-handed (CW)

**TORQUE SUGGESTED***

| CHUCK/COLLET | Nm | Lbf-ft |
|---|---|---|
| ER16 | 57 | 42 |
| ER20 | 80 | 59 |
| ER25 | 104 | 77 |
| ER32 | 135 | 100 |
| ER40 | 176 | 130 |
| EOC25 | 122 | 90 |

*** Suggested tightening torque for CMT Chuck/Collet**

To download this user manual in a different language, visit **www.cmtorangetools.com**

**APPLICATION:**

*The Interchangeable Torque Wrench is versatile enough for use in many fields, but we recommend it for the tightening of CMT chucks.*

| DESCRIPTION | S mm | | ORDER NO. |
|---|---|---|---|
| Interchangeable Torque Wrench 20~200 Nm | 14x18 | 12 | TW-200 |
| Hook Head Insert Ø=28-36mm (ER16 & ER20) | 14x18 | 1 | TW-2836 |
| Hook Head Insert Ø=40-45mm (ER25) | 14x18 | 1 | TW-4045 |
| Hook Head Insert Ø=50-55mm (ER32) | 14x18 | 1 | TW-5055 |
| Hook Head Insert Ø=58-62mm (ER40 & EOC25) | 14x18 | 1 | TW-5862 |
| Hook Head Insert Ø=80mm (Kinetic Dust Extractor 992) | 14x18 | 1 | TW-8001 |
| Hook Head Insert Ø=100mm (Kinetic Dust Extractor 992) | 14x18 | 1 | TW-1001 |
| Push Ratchet Insert S2=3/8" | 14x18 | 5 | TW-A095 |
| Push Ratchet Insert S2=1/2" | 14x18 | 5 | TW-A127 |
| Adaptor Insert S2=9x12mm | 14x18 | 50 | TW-A912 |

# Bench Block Set

**BBS-001**

These blocks are great for holding your workpiece steady without resorting to the use of clamps. Their anti-slip surface grip adheres to both your bench top and the underside of your workpiece. By raising the workpiece off the main bench top, you automatically create extra clearance underneath so you can put your router bits and cutters conveniently to work!

Lenght: 75mm
Width: 50mm
Height: 25mm

| DESCRIPTION | ORDER NO. |
|---|---|
| Bench block set (4 pcs.) 75x50x25 | **BBS-001** |

# Bit Organizer

**03.51**

**100 bits at your fingertips**
You always need your most used bits within reach! They also need to be safely organized. CMT offers a perfect solution for keeping them in order with a handy organizer. Conveniently holds up to 100 router or drill bits of any size with the use of a CMT interchangeable bushing to fit all shank diameters. See options listed below.

| DESCRIPTION | ORDER NO. |
|---|---|
| Bit Organizer 320x320x45mm (without bushings) | **03.51.0106** |
| Interchangeable Bushings for Ø6mm shank (20 pcs.) | **03.51.0046A** |
| Interchangeable Bushings for Ø6.35mm shank (20 pcs.) | **03.51.0047A** |
| Interchangeable Bushings for Ø8mm shank (20 pcs.) | **03.51.0048A** |
| Interchangeable Bushings for Ø9.5mm shank (20 pcs.) | **03.51.0057A** |
| Interchangeable Bushings for Ø10mm shank (20 pcs.) | **03.51.0058A** |
| Interchangeable Bushings for Ø12mm shank (20 pcs.) | **03.51.0059A** |
| Interchangeable Bushings for Ø12.7mm shank (20 pcs.) | **03.51.0049A** |

# Formula 2050: Tools Cleaner

CMT ORANGE TOOLS®

998

*An incredibly effective cleaner for all cutting tools!*

Pitch and resin residues from wood can significantly shorten the lifespan of cutting tools. **Formula 2050** has received rave reviews from professional sharpeners, often described as a"phenomenal" product. What makes it so effective? **Formula 2050** penetrates microscopic crevices in the resin, breaking the bond between the residue and carbide or steel surfaces.
The bottom line? **Formula 2050** keeps your tools clean and extends their lifespan! Prolonged use may cause damage to special coating treatments applied to aluminum tool surfaces. Use with caution.

998.001.01

998.001.03

*Prolonged use may cause damage to special coating treatments applied to aluminum tool surfaces. Use with caution.*

| DESCRIPTION | | ORDER NO. |
|---|---|---|
| 0.5 lt. spray bottle | 8 | 998.001.01 |
| 5 lt. plastic jug | 2 | 998.001.03 |

**Contact our Sales Department to learn more about our delivery terms and minimum order requirements.**

- Removes pitch, resin, and other sticky residues from all wood cutting tools (circular saw blades, router bits, drill bits, knives, planer blades, etc.).
- It can be applied with a spray bottle or used in cleaning preparations for ultrasonic washers (50°C, 15 minutes) or immersion tanks.
- Spray on tool surface and allow to soak in for a few minutes. Wipe clean with a cloth, rag or sponge.
- No rinsing required after cleaning, because protects against rust and corrosion, preventing rust formation even on saw table surfaces.

# Formula 998: Lubricant for Wood, *Neutralizes Resin*

998

- **Formula 998**: Lubricant for Wood, reduces friction caused by wood resin build-up.
- Reduces friction caused by pitch and resin build-up, and prevents chips and sawdust from adhering to workpieces.
- Anti-corrosive properties are ideal for application on worktables.
- Highly effective against moisture.

Watch the video on YouTube

| DESCRIPTION | | ORDER NO. |
|---|---|---|
| 1 lt. spray bottle | 12 | 998.002.01 |
| 5 lt. plastic jug | 2 | 998.002.03 |

**Contact our Sales Department to learn more about our delivery terms and minimum order requirements.**

998.002.01

998.002.03

**DIRECTIONS FOR USE:** Apply the product directly to machine parts. This creates a protective lubricating layer that facilitates the smooth sliding of wood pieces, prevents sticking, and neutralizes all types of physical and chemical adhesion.
Mineral oil-based product, silicone-free.

# Latex Coated Gloves

These protective gloves are not only comfortable but offer high elasticity, impressive grip as well as good resistance to abrasion, perforation and tears. CE Certified and Mechanical Hazards EN 388:2016 compliant (2132X). Available in three sizes!

**GLA**

| DESCRIPTION | | ORDER NO. |
|---|---|---|
| Latex coated gloves M (8) | 25 | GLA-08M |
| Latex coated gloves L (9) | 25 | GLA-09L |
| Latex coated gloves XL (10) | 25 | GLA-10XL |

# CMT Professional Tool Bag

**BAG-001**

- Top zipped design and wide opening for accessing tools easily.
- Sturdy material and hard rubber bottom are resistant to rough handling and protects the contents from hard falls.
- 6 interior pockets, 12 exterior pockets.
- Ideal for storing and transporting hand tools as well as other medium sized items & accessories.

Material: Polyester 600D with 3mm EPE foam
Dimensions: 400x200x250mm

| DESCRIPTION | | ORDER NO. |
|---|---|---|
| CMT Professional Tool Bag | 12 | BAG-001 |

5 rubber studs at bottom

# Carpenter Pencil & Ink Pen

An easy-grip shape and larger rectangular surface area means this pencil won't roll away or slip from your hands. The non-round core makes highly legible thick or thin lines.
Perfect for high precision tracing and marking virtually any surface. Easy to erase.
Strong break-resistance lead center withstands rough handling as well as the rigours and extreme conditions of the construction environment.

**PCL-1**

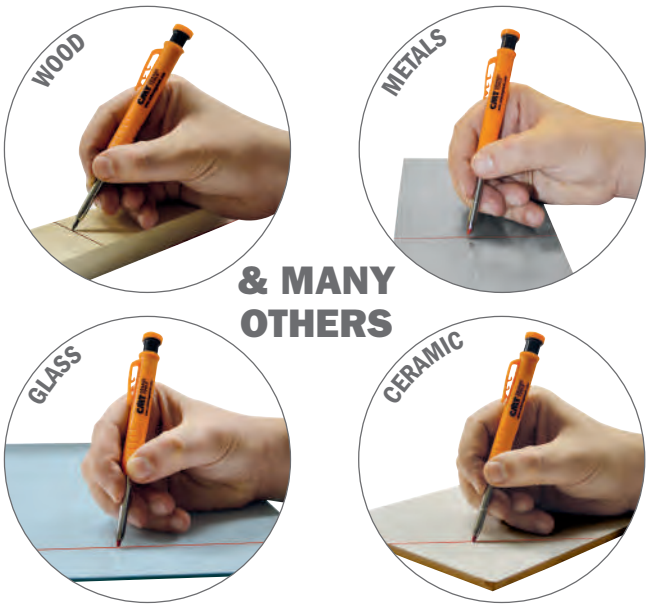
**PCL-2**

| DESCRIPTION | | ORDER NO. |
|---|---|---|
| Carpenter Pencil | 50 | PCL-1 |
| CMT Ink Pen | 50 | PCL-2 |

# Deep Hole Mechanical Marker

- Tip length 45mm (05.7mm) for marking tight and hard to reach places.
- Push-feed button for automatic lead advancement with built-in sharpener.
- CMT refills Ø2.8mm insertable at tip or opposite end.
- Sturdy metal body and handy pocket clip.
- Marks a variety of surfaces, rough or smooth, dry, wet or dusty.
- CMT refills available in Graphite (2B) or Crayon (red & yellow), each marker includes one graphite lead.
- **Graphite** ideal for marking: Paper, Wood, Laminates, Masonry, Stone and Artificial Stone, Metals and Non-Ferrous Metals.
- **Crayon*** ideal for marking: Plastics, Ceramic, Glass, Paper, Wood, Laminates, Masonry, Stone and Artificial Stone, Metals and Non-Ferrous Metals.

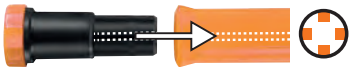
*Colored leads are made of wax, which means they are softer and more fragile than graphite leads. Handle them with care.




# PCL-3D

| DESCRIPTION | ORDER NO. |
|---|---|
| Deep Hole Mechanical Marker (display) | PCL-3D |
| ***Set contains*** | |
| 24 pcs. PCL-3 Deep Hole Mechanical Marker | |
| 8 pcs. PCL-3B Graphite Refills Leads (6 pcs.) | |
| 4 pcs. PCL-3C Graphite (2 pcs.) & Crayon Refills Leads (2 pcs. red + 2 pcs. yellow) | |

**WARNING:**
**Avoid breakage!**
To close after refilling, carefully align the four grooves inside of pen barrel and cap.



**Align the 4 grooves**

| DESCRIPTION | | ORDER NO. |
|---|---|---|
| Graphite Refills Leads (6 pcs.) | 20 | PCL-3B |
| Graphite (2 pcs.) & Crayon Refills Leads (2 pcs. red + 2 pcs. yellow) | 20 | PCL-3C |

**PCL-3C**

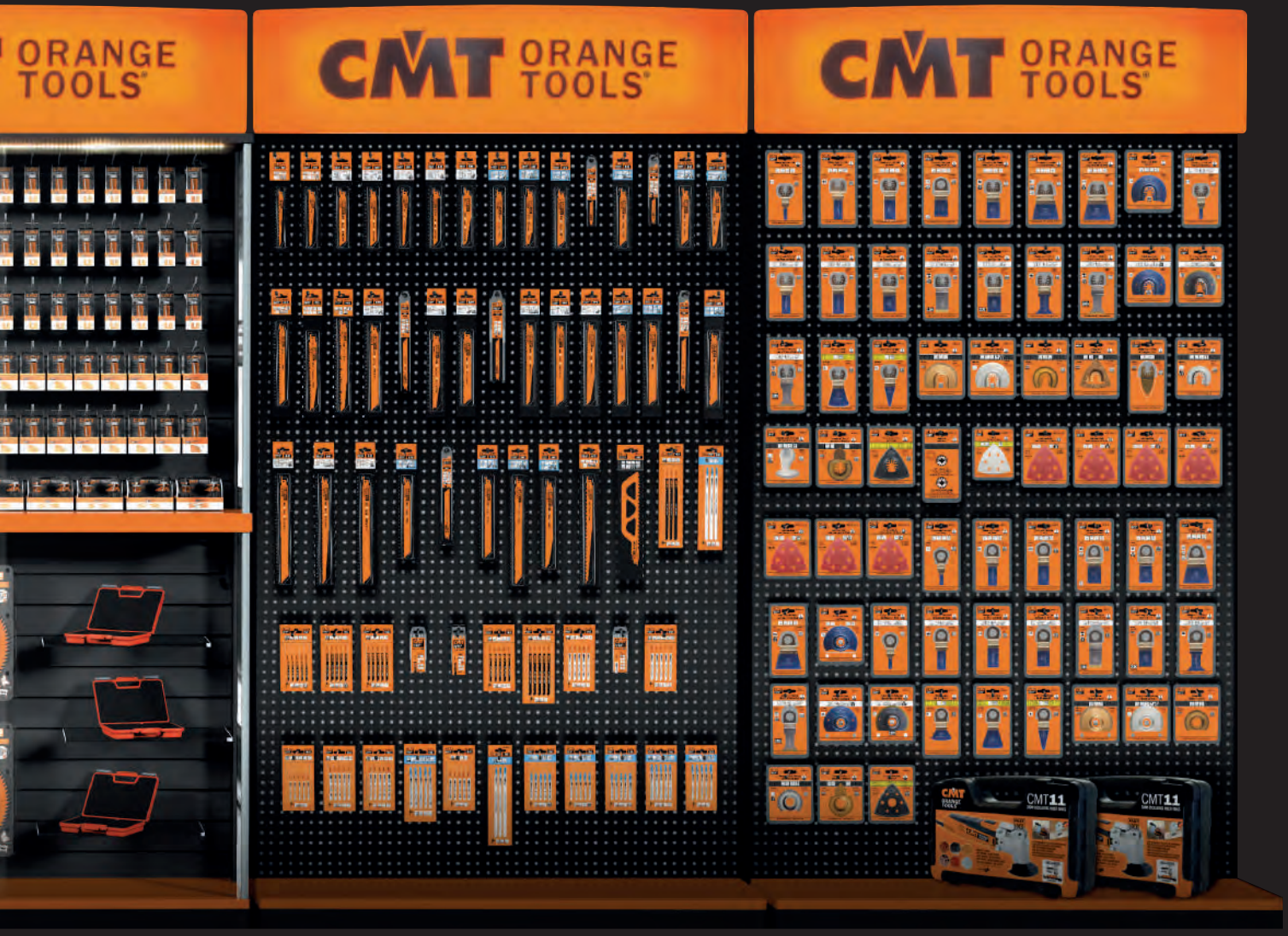
2 PCS 2B GRAPHITE
2 PCS YELLOW CRAYON
2 PCS RED CRAYON

**PCL-3B**

6 PCS 2B GRAPHITE

CMT ORANGE TOOLS
CMT ORANGE TOOLS
CMT

# DISPLAY CABINETS





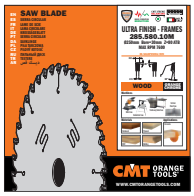
| PRODUCTS | PAGE |
|---|---|
| Display Cabinets for Saw Blades | 428 |
| Display Cabinets for Sabre & Jig Saw Blades | 429 |
| Display Cabinets for Multi-Cutters | 430 |
| Display Cabinets for Router Bits | 431 |
| Display Cabinets for Drill & Boring Bits | 432 |
| Display Cabinets for Hole Saws | 433 |
| Display Cabinets for Router Bits & Forstner Bits | 434 |
| Mini Counter Display for Multi Tools | 435 |

# Display Cabinets for Saw Blades

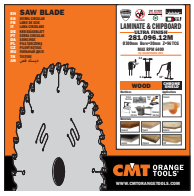
A sturdy steel saw blade display cabinet equipped with a backlight to place anywhere in your store. Hang and display a variety of different saw blades. Contact your CMT representative to seek advice on the most effective sawblade display composition for your needs. **Tools not included.** Dimensions in cm.

## SUITABLE FOR ALL BLADE TYPES

ORANGE CHROME



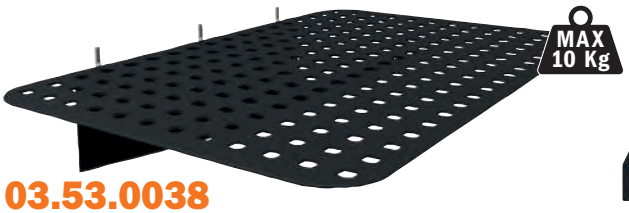
XTREME



NON-STICK ORANGE SHIELD COATING

ITK PLUS®

CMT CONTRACTOR TOOLS




**03.53.0038**
Minimum order 2-pieces or multiple
For use with display cabinets 03.00.0038 and 03.00.0045

## 03.00.0038

Display image for information purposes only

**Dimensions: 120 x 45 x 223cm**

**DISPLAYS THAT SELL!**

**03.53.0011-X24**
(150mm)

**03.53.0012-X24**
(50mm)

| DESCRIPTION | ORDER NO. |
|---|---|
| Display Cabinet with backlight (220V) for saw blades (blades and hooks not included - sold separately) | **03.00.0038** |
| Hooks 50mm. (24 pcs. pack) | **03.53.0012-X24** |
| Hooks 150mm. (24 pcs. pack) | **03.53.0011-X24** |
| Shelf (380x250x68mm) for CMT display cabinet 03.00.0038 and 03.00.0045 | **03.53.0038** |
| Lighted header sign CMT ORANGE TOOLS (220V) ***(spare parts)*** | **03.54.0084** |
| LED TUBE (220V) for sign display ***(spare parts)*** | **03.54.0097** |

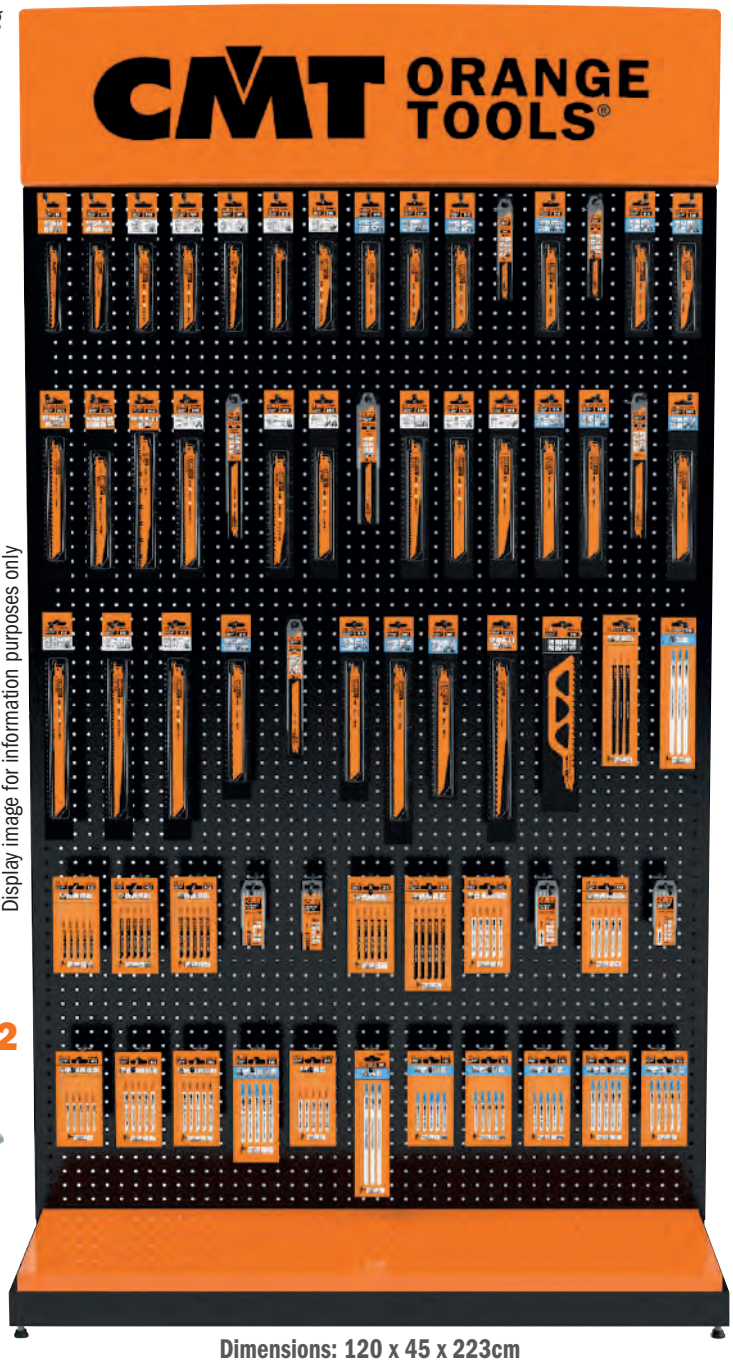
A sturdy steel sabre and jig saw blade display cabinet equipped with a backlight to place anywere in your store. You can hang and display a variety of different blades. Contact your CMT representative to seek advice on the most suitable blade display composition for your needs. **Tools not included.** Dimensions in cm.

## IMBALL0143

***Cardboard counter display for jig saw blades.***
*CMT's end cap cardboard display for jig saw blades takes advantage of the existing space in your store and is designed for countertops, existing shelves or free-space inside CMT display cabinets. Suitable for stocking up to 12 different jig saw blade types, 10 packs each, 120 packs in total. The end cap cardboard display helps increase product visibility and sell more!*

**DISPLAYS THAT SELL!**

## 03.00.0038




Display image for information purposes only

**Dimensions: 120 x 45 x 223cm**

**BULK PACK 5 PCS.**

**BULK PACK 25 PCS.**

**BULK PACK 5 PCS.**

**BULK PACK 20 PCS.**

## 03.53.0020-X12

(50mm, for JS)

## 03.53.0012-X24

(50mm)

## 03.53.0011-X24

(150mm)

| DESCRIPTION | ORDER NO. |
|---|---|
| Cardboard Counter display only (blades not included) | **IMBALL0143** |
| Display cabinet with backlight (220V) for sabre and jig saw blades (blades and hooks not included - sold separately) | **03.00.0038** |
| Hooks 50mm. (24 pcs. pack) | **03.53.0012-X24** |
| Hooks 50mm. for JS (12 pcs. pack) | **03.53.0020-X12** |
| Hooks 150mm. (24 pcs. pack) | **03.53.0011-X24** |
| Shelf (380x250x68mm) for CMT display cabinet 03.00.0038 and 03.00.0045 | **03.53.0038** |
| Lighted header sign CMT ORANGE TOOLS 220V ***(spare parts)*** | **03.54.0084** |
| LED TUBE 220V for sign display ***(spare parts)*** | **03.54.0097** |

# Display Cabinet for Multi-Cutters

A sturdy steel multi-cutter diplay cabinet featuring an attractive backlight to place anywhere in your store. You can hang and display a variety of different cutters. Contact your CMT representative to seek advice on the most most effective cutter display composition for your needs. **Tools not included.** Dimensions in cm.

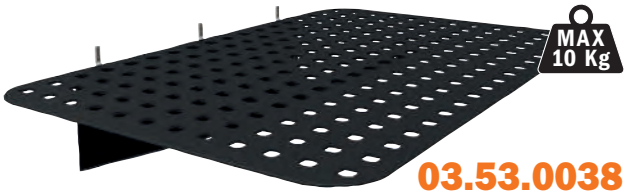
**OMF LINE**

new ECO PACK

**OMM LINE**

**03.53.0011-X24**
(150mm)

**03.53.0012-X24**
(50mm)




**03.53.0038**
Minimum order 2 pieces or multiple
For use with display cabinets 03.00.0038 and 03.00.0045

**03.00.0038**

Display image for information purposes only

**Dimensions: 120 x 45 x 223cm**

**DISPLAYS THAT SELL!**

| DESCRIPTION | ORDER NO. |
|---|---|
| Display cabinet with backlight (220V) for multi-cutters (tools and hooks not included - sold separately) | **03.00.0038** |
| Hooks 50mm. (24 pcs. pack) | **03.53.0012-X24** |
| Hooks 150mm. (24 pcs. pack) | **03.53.0011-X24** |
| Shelf (380x250x68mm) for CMT display cabinet 03.00.0038 and 03.00.0045 | **03.53.0038** |
| Lighted header sign CMT ORANGE TOOLS 220V ***(spare parts)*** | **03.54.0084** |
| LED TUBE 220 V for sign display ***(spare parts)*** | **03.54.0097** |

# Display Cabinet for Router Bits

This sturdy piece is hand-crafted from MDF, tempered glass and iron. The cabinet is free-standing and provides 360° visibility thereby allowing you to position the display anywhere in your store. The front is a convenient 2 component assembly. The upper section is designed to display 141 of the best selling router bits from the CMT router bit line as well as 20 corresponding spare parts. The lower section can perfectly fit 10 of the most popular boxed sets or saw blades, if required.
Glass doors are secured with key lock.

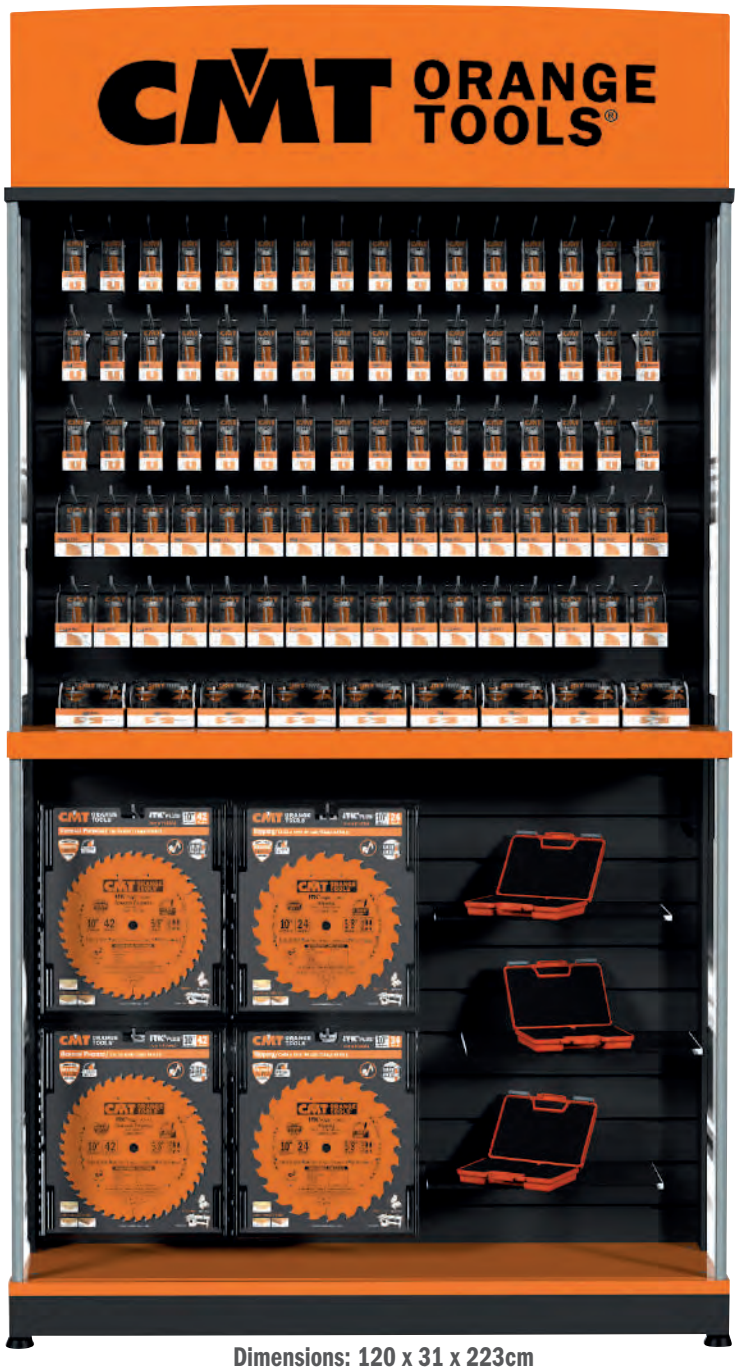
**DELUXE PACKAGING**
**RECLOSEABLE AND REUSABLE**

**03.53.0012-X24**
(50mm)

**03.53.0042-X24**
(150mm)

**03.53.0017**
Tool Shelf (270x209x1,5mm)
Display cabinet accomodates up to 40 shelves.

**03.00.0042**




Display image for information purposes only

**Dimensions: 120 x 31 x 223cm**

| DESCRIPTION | ORDER NO. |
|---|---|
| Display cabinets complete with: 246 HW router bits (S=Ø6mm), 66 spare parts (your choice of saw blades) and assorted hooks | **700.300.00L** |
| Display cabinets complete with: 246 HW router bits (S=Ø8mm), 66 spare parts (your choice of saw blades) and assorted hooks | **900.300.00L** |
| 21 pcs. HW router bits with shank Ø12mm for our display cabinet ***(optional)*** | **900.021.00** |
| Display cabinet for router bits and cutter heads (tools and hooks not included - sold separately) | **03.00.0042** |
| Hooks 50mm. (24 pcs. pack) | **03.53.0012-X24** |
| Hooks 150mm. (24 pcs. pack) | **03.53.0042-X24** |
| Tool shelf (270x209x1.5mm) for CMT display cabinet 03.00.0042 (sold separately) | **03.53.0017** |
| LED TUBE 220V for sign display (spare parts) | **03.54.0097** |
| Set of 2 pieces of 220V LED STRIPS for display cabinet ***(spare parts)*** | **03.54.0089** |
| Set of 2 metal supports (RH-LH) for light header sign ***(spare parts)*** | **03.53.0109** |
| Lighted header sign CMT ORANGE TOOLS 220V ***(spare parts)*** | **03.54.0084** |

## 03.00.0042

Build up your stock of CMT Drill and Boring bits now by ordering this convenient display case! Get organized and keep your tools within reach and visible! Contact your CMT representative for information and get the best advice on choosing the right selection of drill bits for your display from our very broad range. **Tools not included.** Dimensions in cm.

- **Fit Top Selling 120 SKUs.**
- **Fit up to 20 Deep**
- **Secured Glass with Key Lock**

XTREME BORING BITS

Display image for information purposes only

**Dimensions:**
**120 x 31 x 223cm**

## 03.53.0017

Steel shelf for Drill & Boring bits.
Fit up to 40 shelves into one 03.00.0042 display case.
Fastening screw to secure bits on shelf: **990.010.00**

***Dimensions: 270 x 209 x 1.5mm***

**DISPLAYS THAT SELL!**

| DESCRIPTION | ORDER NO. |
|---|---|
| Display Cabinet for Drill and Boring Bits (Shelves, Bits & Screws not included - sold separately) | **03.00.0042** |
| Tool Shelf (270x209x1.5mm) for Display Cabinet 03.00.0042 (Bits & Screws not included - sold separately) | **03.53.0017** |
| LED TUBE 220V for Header Sign ***(spare parts)*** | **03.54.0097** |
| 220V LED STRIPS (2 pcs. set) for Display Cabinet ***(spare parts)*** | **03.54.0089** |
| Set of 2 Metal Supports (RH-LH) for Header Sign ***(spare parts)*** | **03.53.0109** |
| Illuminated Header Sign CMT ORANGE TOOLS 220V ***(spare parts)*** | **03.54.0084** |

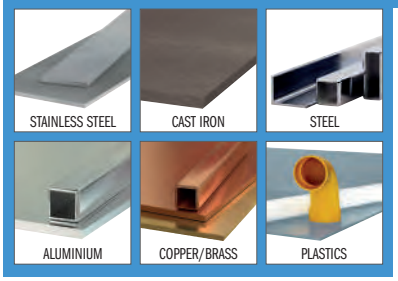
# Display Cabinet for Hole Saws

A sturdy steel hole saw display cabinet complete with a backlight to place anywhere in your store. You can hang a variety of different types of hole saws. Contact your CMT representative to seek advice on the best hole saw display composition for your needs. **Tools not included.** Dimensions in cm.

## SERIES 550X: MULTI-PURPOSE

HW
10X LONGER LIFE
FASTER 5X

## SERIES 551X: BI-METAL PLUS

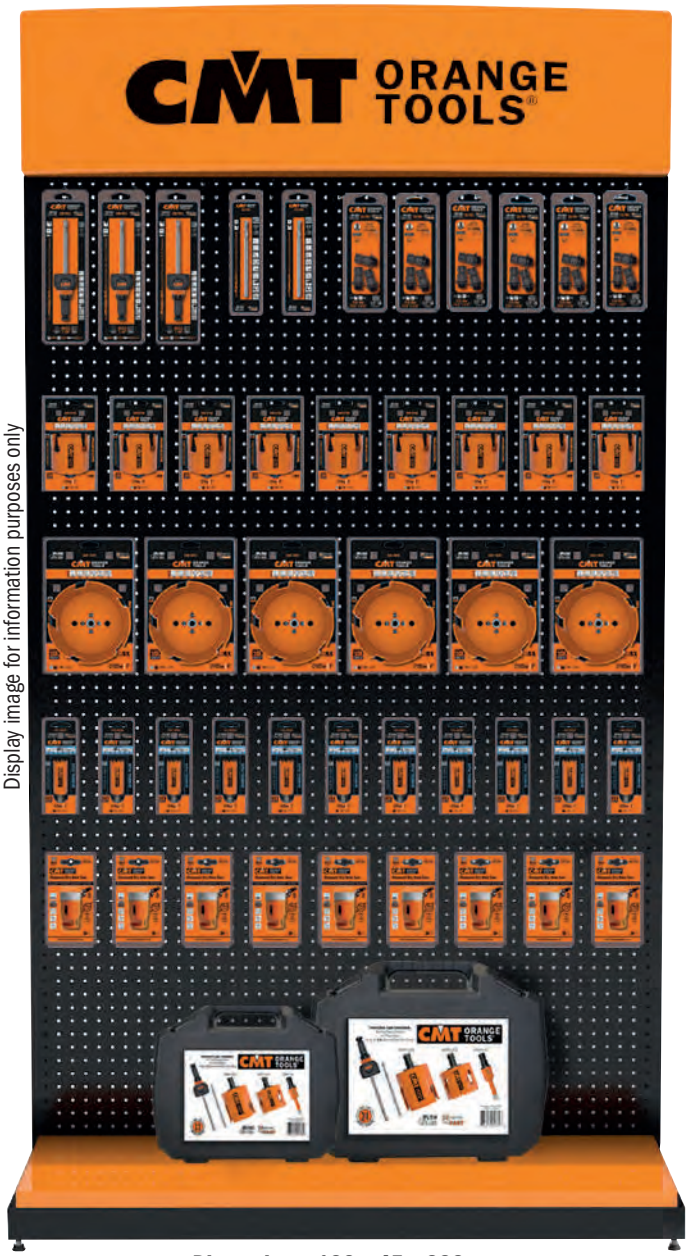


BIM 8% Co
2X LONGER LIFE

## SERIES 552: DIAMOND DRY

GRIT
LONG LIFE

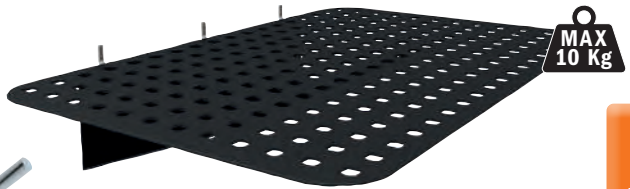
## 03.00.0038



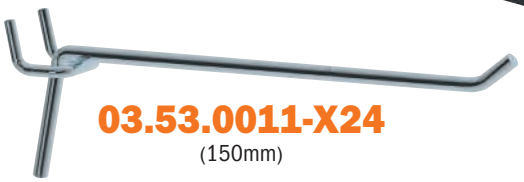

Display image for information purposes only

Dimensions: 120 x 45 x 223cm

**03.53.0013-X24**
(200mm)




**03.53.0038**
Minimum order 2 pieces or multiple
For use with display cabinets 03.00.0038 and 03.00.0045



**03.53.0011-X24**
(150mm)

DISPLAYS THAT SELL!

| DESCRIPTION | ORDER NO. |
|---|---|
| Display cabinet with backlight (220V) (Hole Saws & Hooks not included, sold separately) | 03.00.0038 |
| Hooks 150mm. (24 pcs. pack) | 03.53.0011-X24 |
| Hooks 200mm. (24 pcs. pack) | 03.53.0013-X24 |
| Shelf (380x250x68mm) for CMT display cabinet 03.00.0038 and 03.00.0045 | 03.53.0038 |
| Illuminated Header Sign CMT ORANGE TOOLS 220V ***(spare parts)*** | 03.54.0084 |
| LED TUBE 220V for Header Sign ***(spare parts)*** | 03.54.0097 |

# Display Cabinet for Router Bits & Forstner Bits

A beautiful, well-organized display of router bits in your shop is the best way to encourage customers to buy. CMT has produced this beautiful cabinet to best show off our wide selection of high quality bright orange bits, Forstner bits and boring bits.
Made with a sturdy MDF frame and three glass panels, it is the ideal counter-top display.
The wooden slat back wall allows for easy bit organization and comes standard with front door lock. Glass door secured with key lock.

## 03.00.0002

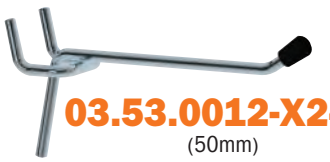
## 03.00.0002

Display image for information purposes only

DELUXE PACKAGING
RECLOSEABLE AND REUSABLE

CLAMSHELL PACKAGING

**03.53.0042-X24**
(150mm)



**03.53.0012-X24**
(50mm)

**DISPLAYS THAT SELL!**

| DESCRIPTION | ORDER NO. |
|---|---|
| Display cabinet with: 76 HW Router bits (S=Ø6mm), 8 spare parts (2 pcs. each) and assorted hooks | **700.084.00** |
| Display cabinet with: 76 HW Router bits (S=Ø8mm), 8 spare parts (2 pcs. each) and assorted hooks | **900.084.00** |
| Display cabinet for Router / Forstner bits (Tools & Hooks not included - sold separately) | **03.00.0002** |
| Hooks 50mm. (24 pcs. pack) | **03.53.0012-X24** |
| Hooks 150mm. (24 pcs. pack) | **03.53.0042-X24** |

# Mini Counter Display for Multi Tools

This simple yet attractive counter display will definitely increase sales because it improves visibilty. This cabinet shows off a variety of tools: jig saw blades, sabre saw blades, oscillating tools, router bits, Forstner bits, drill bits and hole saws. That's the best way to attract and encourage customers to buy! A sturdy steel body featuring our trademark orange colour makes for an ideal eye-catching counter-top display! **Tools not included.** Dimensions in cm.

## 03.00.0043

**Dimensions: 35 x 56 x 16cm**

Display image for information purposes only

## 03.00.0045

**Dimensions: 38 x 145 x 35cm**

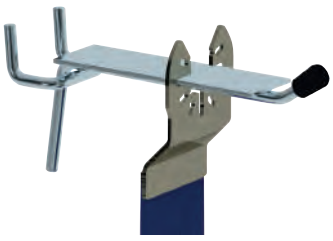
Display image for information purposes only

## 03.53.0020-X12

(50mm for JS)

## 03.53.0014-X12

(50mm for OMM & OMS)



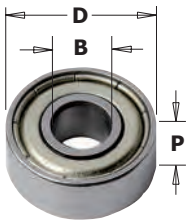
## 03.53.0012-X24

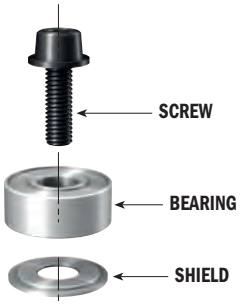
(50mm)

| DESCRIPTION | ORDER NO. |
|---|---|
| Mini-Counter Display (Tools & Hooks not included - sold separately) | **03.00.0043** |
| Medium-sized Display Cabinet (Tools & Hooks not included - sold separately) | **03.00.0045** |
| Hooks 50mm. (24 pcs. pack) | **03.53.0012-X24** |
| Hooks 50mm. for OMM & OMS (12 pcs. pack) | **03.53.0014-X12** |
| Hooks 50mm. for JS (12 pcs. pack) | **03.53.0020-X12** |
| Shelf (380x250x68mm) for CMT display cabinet 03.00.0038 and 03.00.0045 | **03.53.0038** |

## BEARINGS

**791**




**SAFETY RECOMMENDATIONS:** **be sure to keep the black washer right side up so that it corresponds with the bearing rotation during reassembly.**

*** After resharpening, always switch to an undersized bearing:**

**791.062.00** Ø9.3 **replaces** 791.002.00 (Ø9.5)
**791.063.00** Ø12.5 **replaces** 791.003.00 (Ø12.7)

**Sold in 10 pc. case.**
**Minimum 10 pc. or multiple orders.**

****** DELRIN® CYLINDRICAL BEARINGS**

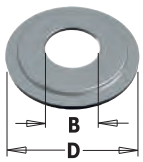
**** 10° DELRIN® CONICAL BEARINGS**

***** DELRIN® TRIANGULAR BEARINGS**

| D mm | D inches | B mm | B inches | P mm | | ORDER NO. |
|---|---|---|---|---|---|---|
| 6.35 | 1/4 | 3.17 | 1/8 | 2.8 | 10 | 791.035.00 |
| 9.3 | | 4.76 | 3/16 | 3.17 | 10 | 791.062.00* |
| 9.5 | 3/8 | 4.76 | 3/16 | 3.2 | 10 | 791.002.00 |
| 12.5 | | 4.76 | 3/16 | 4.98 | 10 | 791.063.00* |
| 12.7 | 1/2 | 4.76 | 3/16 | 5 | 10 | 791.003.00 |
| 12.7 | 1/2 | 6.35 | 1/4 | 4.8 | 10 | 791.010.00 |
| 13 | | 5 | | 4 | 10 | 791.022.00 |
| 13 | | 6 | | 5 | 10 | 791.023.00 |
| 15 | | 6 | | 5 | 10 | 791.024.00 |
| 15.88 | 5/8 | 4.76 | 3/16 | 5 | 10 | 791.018.00 |
| 15.88 | 5/8 | 6.35 | 1/4 | 5 | 10 | 791.009.00 |
| 16 | | 5 | | 5 | 10 | 791.006.00 |
| 16 | | 8 | | 5 | 10 | 791.025.00 |
| 19 | 3/4 | 4.76 | 3/16 | 7.5 | 10 | 791.019.00 |
| 19 | | 6 | | 6 | 10 | 791.007.00 |
| 19.05 | 3/4 | 6.35 | 1/4 | 7 | 10 | 791.004.00 |
| 19 | | 8 | | 6 | 10 | 791.034.00 |
| 19 | 3/4 | 12.7 | 1/2 | 4 | 10 | 791.011.00 |
| 22 | | 8 | | 6 | 10 | 791.012.00 |
| 22 | | 8 | | 7 | 10 | 791.005.00 |
| 22.2 | 7/8 | 4.76 | 3/16 | 7.5 | 10 | 791.017.00 |
| 22.2 | 7/8 | 9.53 | 3/8 | 7 | 10 | 791.021.00 |
| 22.2 | 7/8 | 12.7 | 1/2 | 7 | 10 | 791.013.00 |
| 24 | | 8 | | 8 | 10 | 791.036.00 |
| 28 | | 8 | | 9 | 10 | 791.037.00 |
| 28 | | 12 | | 8 | 10 | 791.026.00 |
| 28.5 | 1-1/8 | 4.76 | 3/16 | 8.4 | 10 | 791.014.00 |
| 28.5 | 1-1/8 | 8 | | 8.5 | 10 | 791.030.00 |
| 28.5 | 1-1/8 | 12.7 | 1/2 | 8 | 10 | 791.027.00 |
| 31.7 | 1-1/4 | 8 | | 5 | 10 | 791.033.00 |
| 31.7 | 1-1/4 | 12.7 | 1/2 | 8 | 10 | 791.015.00 |
| 34.9 | 1-3/8 | 4.76 | 3/16 | 11.5 | 10 | 791.016.00 |
| 34.9 | 1-3/8 | 8 | | 11.6 | 10 | 791.031.00 |
| 34.9 | 1-3/8 | 12.7 | 1/2 | 11 | 10 | 791.029.00 |
| 37 | | 12 | | 12 | 10 | 791.028.00 |
| 38.1 | 1-1/2 | 12.7 | 1/2 | 13.3 | 10 | 791.020.00 |
| 62 | | 30 | | 16 | 10 | 791.051.00 |
| 62 | | 35 | | 14 | 1 | 791.052.00 |
| 80 | | 40 | | 18 | 1 | 791.054.00 |
| 80 | | 50 | | 16 | 1 | 791.053.00 |
| DELRIN® CYLINDRICAL BEARINGS | | | | | | |
| 12.7 | 1/2 | 4.76 | 3/16 | 5 | 10 | 791.044.00**** |
| 15.88 | 5/8 | 4.76 | 3/16 | 7.2 | 10 | 791.045.00**** |
| 19.05 | 3/4 | 4.76 | 3/16 | 6.8 | 10 | 791.046.00**** |
| 25.4 | 1 | 4.76 | 3/16 | 6.8 | 10 | 791.049.00**** |
| 37.4 | | 12.7 | 1/2 | 15.7 | 10 | 791.047.00**** |
| 10° DELRIN® CONICAL BEARINGS | | | | | | |
| 19 | 3/4 | 4.76 | 3/16 | 6.8 | 10 | 791.041.00** |
| 22 | 7/8 | 4.76 | 3/16 | 6.8 | 10 | 791.048.00** |
| DELRIN® TRIANGULAR BEARINGS | | | | | | |
| 12.7 | 1/2 | 4.76 | 3/16 | 5.8 | 10 | 791.042.00*** |
| 19 | 3/4 | 4.76 | 3/16 | 6.8 | 10 | 791.043.00*** |

## SHIELDS FOR BEARINGS

**990**

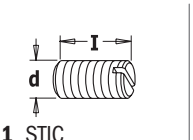



| B mm | D mm | | | ORDER NO. |
|---|---|---|---|---|
| 4.76 | 9.5 | | 10 | 990.422.00 |
| 4.76 | 12.7 | | 10 | 990.423.00 |
| 6.35 | 19 | | 10 | 990.425.00 |
| 12.7 | 34.9 | | 10 | 990.426.00 |

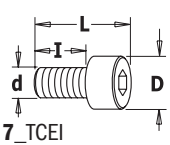


® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

## SCREWS 990




1_STIC



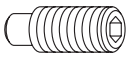

7_TCEI

2_STEI Flat

8_TSPEI

3_STEI Conical

9_TCPTI

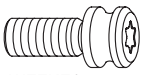


4_STEI Pin

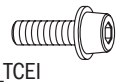
10_TSPTI

5_TCEI Guide

11_TBTI



6_WEEKE®



12_TCEI

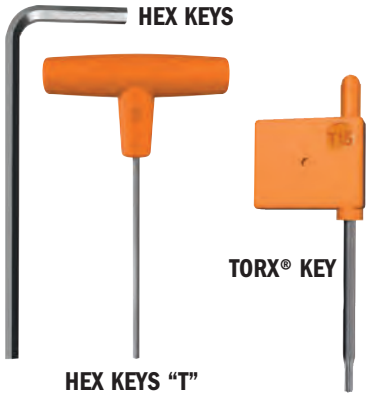
| d x l x L mm | D mm | TYPE | | ORDER NO. | d x l x L mm | D mm | TYPE | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|
| M5x8 | | 1 | 10 | 990.008.00 | M8x25x33 | 13 | 7 | 10 | 990.099.00 |
| M5x10 | | 1 | 10 | 990.003.00 | 1/8"x1/2"x5/8" | 5.5 | 7 | 10 | 990.059.00 |
| M2x4 | | 2 | 10 | 990.113.00 | M5x10x15 | 8.5 | 7 | 10 | 990.010.00 |
| M4x4 | | 2 | 10 | 990.016.00 | M4x4x6 | 8 | 8 | 10 | 990.004.00 |
| M4x20 | | 2 | 10 | 990.091.00 | M5x9x12 | 9.8 | 8 | 10 | 990.055.00 |
| M5x4 | | 2 | 10 | 990.015.00 | M5x5x8 | 9 | 8 | 10 | 990.067.00 |
| M5x5 | | 2 | 10 | 990.001.00 | M6x8x10 | 8.8 | 8 | 10 | 990.083.00* |
| M5x5 cupped tip | | 2 | 10 | 990.006.00 | M6x8.7x12 | 12 | 8 | 10 | 990.116.00 |
| M3x3 | | 3 | 10 | 990.005.00 | 1/4"-20x7/8" | 12 | 8 | 10 | 990.097.00 |
| M5x5 | | 3 | 10 | 990.002.00 | 1/8"x3/8"x1/2" | 7 | 12 | 10 | 990.058.00 |
| M6x6 | | 3 | 10 | 990.007.00 | M5x11.5x17 | 8 T20 | 6 | 10 | 990.088.00 |
| M4x3 | | 3 | 10 | 990.013.00 | M3x4x5.7 | 4.5 T8 | 9 | 10 | 990.082.00 |
| M4x4 | | 3 | 10 | 990.014.00 | M2.5x3x4.5 | 3 T7 | 10 | 10 | 990.070.00 |
| M6x5 | | 3 | 10 | 990.009.00 | M2.5x4.5x6 | 3.7 T8 | 10 | 10 | 990.071.00 |
| M6x8 | | 4 | 10 | 990.087.00 | M4x2x3.2 | 6 T9 | 10 | 10 | 990.079.00 |
| M6x10 | | 4 | 10 | 990.106.00 | M5x3.6x6.1 | 8.8 T25 | 10 | 10 | 990.080.00 |
| M6x16 | | 4 | 10 | 990.066.00 | M5x5x8 | 9 T25 | 10 | 10 | 990.093.00 |
| M6x20 | | 4 | 10 | 990.084.00 | M5x13x18 | 6.8 T15 | 10 | 10 | 990.063.00 |
| M8x12 | | 4 | 10 | 990.065.00 | M3.5x3.5x6 | 6 T15 | 11 | 10 | 990.072.00 |
| M8x16 | | 4 | 10 | 990.064.00 | M3.5x4.8x6.8 | 6 T15 | 11 | 10 | 990.115.00 |
| M8x20 | | 4 | 10 | 990.086.00 | M4x5.5x8 | 7.4 T20 | 11 | 10 | 990.094.00 |
| M5x5x9 | 6 | 5 | 10 | 990.068.00 | M3.5x5x7.2 | 9 T15 | 11 | 10 | 990.073.00 |
| M2.5x6x8.5 | 4.5 | 7 | 10 | 990.062.00 | M3.5x6x8,5 | 7 T15 | 11 | 10 | 990.077.00 |
| M3x6x9 | 5.5 | 7 | 10 | 990.051.00 | M4x3.5x5.7 | 9 T15 | 11 | 10 | 990.074.00 |
| M3x10x13 | 5.5 | 7 | 10 | 990.053.00 | M4x4x6.2 | 6 T15 | 11 | 10 | 990.076.00 |
| M3x16x19 | 5.5 | 7 | 10 | 990.054.00 | M4x4x6.2 | 8.8 T15 | 11 | 10 | 990.056.00 |
| M4x6x10 | 7 | 7 | 10 | 990.052.00 | M4x6x8 | 6 T15 | 11 | 10 | 990.078.00 |
| M4x12x16 | 7 | 7 | 10 | 990.061.00 | M4x6x8.2 | 9 T15 | 11 | 10 | 990.075.00 |
| M6x25x31 | 10 | 7 | 10 | 990.098.00 | | | | | |

* Slotted head screw

## NUTS FOR ARBORS 990.0

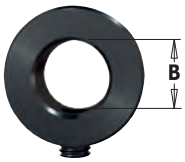
| DESCRIPTION | | ORDER NO. | DESCRIPTION | | ORDER NO. |
|---|---|---|---|---|---|
| M4 | 10 | 990.092.00 | M8 | 10 | 990.020.00 |
| M6 | 10 | 990.095.00 | M12x1.25mm | 10 | 990.022.00 |

## KEYS FOR SCREWS 991




| DESCRIPTION | | ORDER NO. | DESCRIPTION | | ORDER NO. |
|---|---|---|---|---|---|
| HEX KEYS | | | 3x90x135mm | 10 | 991.083.00 |
| 0.9mm (for screw M2) | 10 | 991.055.00 | 4x50x95mm | 10 | 991.081.00 |
| 1.5mm (for screw M3) | 10 | 991.056.00 | 4x100x145mm | 10 | 991.084.00 |
| 2mm (for screw M4) | 10 | 991.060.00 | TORX® KEY | | |
| 3/32" (for screw 1/8W) | 10 | 991.057.00 | T7 | 10 | 991.074.00 |
| 2.5mm (for screw M5) | 10 | 991.062.00 | T8 | 10 | 991.063.00 |
| 3mm | 10 | 991.067.00 | T9 | 10 | 991.069.00 |
| 4mm | 10 | 991.064.00 | T15 | 10 | 991.061.00 |
| 5mm | 10 | 991.065.00 | T20 | 10 | 991.072.00 |
| 6mm | 10 | 991.066.00 | T25 | 10 | 991.073.00 |
| HEX KEYS "T" | | | T30 | 10 | 991.071.00 |
| 3x40x85mm | 10 | 991.082.00 | | | |

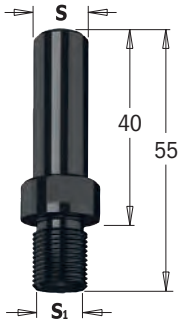
## STOP COLLARS 541




| B mm | | ORDER NO. | B mm | | ORDER NO. |
|---|---|---|---|---|---|
| 3.175 | 10 | 541.009.00 | 9.5 | 10 | 541.006.00 |
| 6 | 10 | 541.003.00 | 12 | 10 | 541.005.00 |
| 6.35 | 10 | 541.001.00 | 12.7 | 10 | 541.002.00 |
| 8 | 10 | 541.004.00 | | | |

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

## ARBORS 797




| S mm | S1 mm | | | ORDER NO. |
|---|---|---|---|---|
| 8 | M10x1.5 | | 10 | 797.580.00 |
| 10 | M12x1 | | 10 | 797.100.00 |
| 12 | M12x1 | | 10 | 797.120.00 |
| 12.7 | M12x1 | | 10 | 797.127.00 |

**TECHNICAL DETAILS:**
- Strength steel.
- Precisely machined for accuracy.

## COLLET CHUCKS 796

| S1 mm | B mm | L mm | | | ORDER NO. |
|---|---|---|---|---|---|
| M10x1,5 | 6 - 6.35 - 8 - 9.5 | 38 | | 10 | 796.100.00 |
| M12x1 | 6 - 6.35 - 8 - 9.5 | 38 | | 10 | 796.000.00 |
| M12x1 | 10 - 12 - 12.7 | 47 | | 10 | 796.121.00 |

**TECHNICAL DETAILS:**
- Strength steel.
- Precisely machined for accuracy.

**Collet not included.**

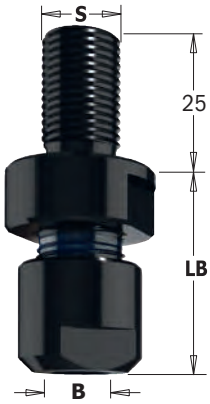
## ROUTER CHUCK EXTENSIONS WITH COLLET 796.001/002

| S mm | COLLET INCLUDED mm | FOR COLLETS mm | L mm | | ORDER NO. |
|---|---|---|---|---|---|
| 12 | 8 | 6 - 6.35 - 8 - 9.5 | 81 | 10 | 796.002.01 |
| 12 | 12 | 10 - 12 - 12.7 | 88 | 10 | 796.002.00 |
| 12.7 | 6.35 | 6 - 6.35 - 8 - 9.5 | 81 | 10 | 796.001.01 |
| 12.7 | 12.7 | 10 - 12 - 12.7 | 88 | 10 | 796.001.00 |

**TECHNICAL DETAILS:**
- Strength steel.
- Precisely machined for accuracy.

**Collet included.**

## COLLET CHUCKS 796




| S mm | FOR COLLETS mm | LB mm | | | ORDER NO. |
|---|---|---|---|---|---|
| M14x2 | 6 - 6.35 - 8 - 9.5 | 32 | | 10 | 796.140.00 |
| M14x2 | 10 - 12 - 12.7 | 38 | | 10 | 796.141.00 |
| M16x2 | 6 - 6.35 - 8 - 9.5 | 32 | | 10 | 796.160.00 |
| M16x2 | 10 - 12 - 12.7 | 38 | | 10 | 796.161.00 |

**TECHNICAL DETAILS:**
- Strength steel.
- Precisely machined for accuracy.

**Collet not included.**

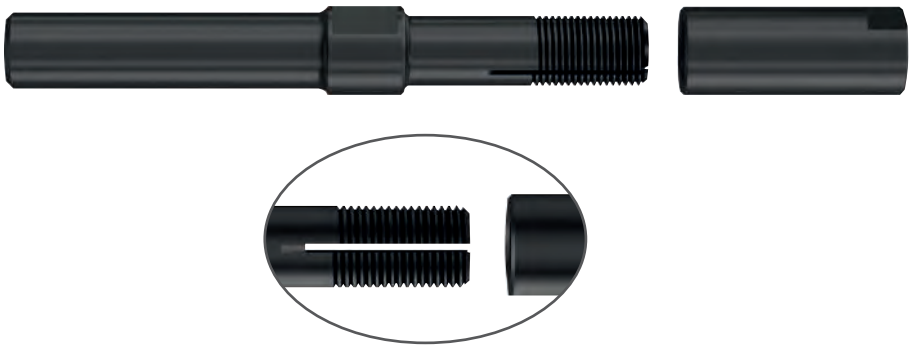
## COLLETS 796.500/600

| B mm | | ORDER NO. | B mm | | ORDER NO. |
|---|---|---|---|---|---|
| 6 | 10 | 796.560.00 | 10 | 10 | 796.600.00 |
| 6.35 | 10 | 796.564.00 | 12 | 10 | 796.620.00 |
| 8 | 10 | 796.580.00 | 12.7 | 10 | 796.627.00 |
| 9.5 | 10 | 796.595.00 | | | |

## ROUTER CHUCK EXTENSION 796.003

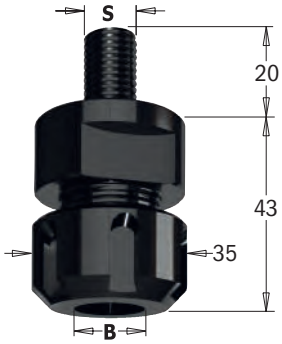
| S mm | B mm | L mm | | | ORDER NO. |
|---|---|---|---|---|---|
| 12 | 8 | 100 | | 10 | 796.003.08 |

**TECHNICAL DETAILS:**
- High strength resistant steel.
- Precisely machined for accuracy.



**Collet not required.**

## "ER20" CHUCKS 796




| S mm | FOR COLLETS mm | LB mm | | | ORDER NO. |
|---|---|---|---|---|---|
| M12x1.75 | 3 ~ 12.7 | 43 | | 10 | 796.122.00 |
| M14x2 | 3 ~ 12.7 | 43 | | 10 | 796.142.00 |
| M16x2 | 3 ~ 12.7 | 43 | | 10 | 796.162.00 |

***Spare parts:*** **992.483.03** M25x1.5mm clamping nut
**991.483.00** "ER20" key

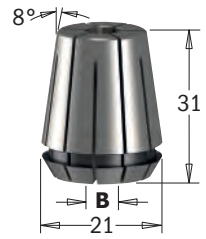
**TECHNICAL DETAILS:**
- Strength steel.
- Precisely machined for accuracy.

**Collet not included.**

**SAFETY TIPS**

The **TW-200** Torque Wrench is recommended for the proper fastening of clamping nuts (see page 421).

## "ER20" PRECISION COLLETS FOR 796.122/142/162 184




| B mm | | ORDER NO. | B mm | | ORDER NO. |
|---|---|---|---|---|---|
| 3 | 10 | 184.030.20 | 8 | 10 | 184.080.20 |
| 5 | 10 | 184.050.20 | 10 | 10 | 184.100.20 |
| 6 | 10 | 184.060.20 | 12 | 10 | 184.120.20 |
| 6.35 | 10 | 184.064.20 | 12.7 | 10 | 184.127.20 |

## COLLETS FOR CMT1E, CMT2E, DEWALT®, FELISATTI®, FEIN®, METABO® HAND-HELD ROUTERS 796

| B mm | | ORDER NO. | B mm | | ORDER NO. |
|---|---|---|---|---|---|
| 6 | 10 | 796.860.00 | 10 | 10 | 796.900.00 |
| 6.35 | 10 | 796.864.00 | 12 | 10 | 796.920.00 |
| 8 | 10 | 796.880.00 | 12.7 | 10 | 796.927.00 |

***Spare parts:*** **992.100.01** M22 Clamping nut

## COLLETS FOR FREUD®/CASALS® HAND-HELD ROUTERS 796.780

| B mm | L mm | | | ORDER NO. |
|---|---|---|---|---|
| 8 | 14 | | 10 | 796.780.00 |

® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

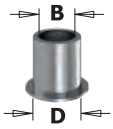
## BUSHINGS

799

| B mm | D mm | L mm | | ORDER NO. | B mm | D mm | L mm | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|
| 6 | 8 | 25 | 10 | 799.060.00 | 8 | 10 | 25 | 10 | 799.280.00 |
| 6 | 9.5 | 25 | 10 | 799.160.00 | 8 | 12 | 25 | 10 | 799.380.00 |
| 6 | 12 | 25 | 10 | 799.260.00 | 8 | 12.7 | 25 | 10 | 799.480.00 |
| 6.35 | 8 | 25 | 10 | 799.064.00 | 9.5 | 12.7 | 25 | 10 | 799.001.00 |
| 6.35 | 9.5 | 25 | 10 | 799.164.00 | 10 | 12 | 25 | 10 | 799.100.00 |
| 6.35 | 12.7 | 25 | 10 | 799.264.00 | 13 | 16 | 45 | 10 | 799.130.00 |
| 8 | 9.5 | 25 | 10 | 799.180.00 | | | | | |

## REDUCTION BUSHING FOR BEARING

799




| D mm | B mm | | | ORDER NO. |
|---|---|---|---|---|
| 6.35 | 4.76 | | 10 | 799.019.00 |
| 8 | 4.76 | | 10 | 799.017.00 |
| 12.7 | 4.76 | | 10 | 799.014.00 |
| 12.7 | 8 | | 10 | 799.022.00 |

## ARBORS

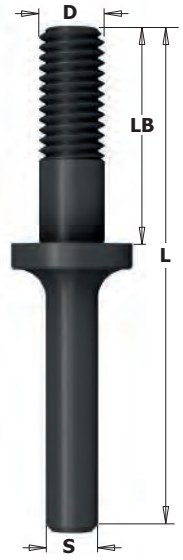
798

| S mm | S1 mm | | | ORDER NO. |
|---|---|---|---|---|
| M10x1.5 | M10x1.5 | | 10 | 798.101.00 |
| M10x1.5 | M12x1 | | 10 | 798.102.00 |
| M12x1 | M10x1.5 | | 10 | 798.121.00 |
| M12x1 | M12x1 | | 10 | 798.122.00 |

**TECHNICAL DETAILS:**
- Strength steel.
- Precisely machined for accuracy.

## SLOT CUTTER ARBORS

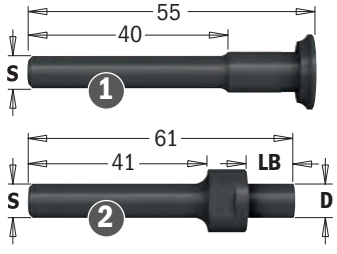
7/8/924




| D mm | LB mm | L mm | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | ORDER NO. S=Ø12mm | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|
| ARBORS FOR 822 SLOT CUTTERS | | | | | | | | |
| M8 | 23 | 71 | 10 | | | | 924.133.00 | 824.133.00 |
| M8 | 26 | 61 | 10 | 724.060.00 | 824.064.00 | 924.080.00 | | |
| M8 | 26 | 67.5 | 10 | | | | 924.120.00 | 824.127.00 |
| M8 | 29.75 | 71 | 10 | | | | 924.131.00 | 824.131.00 |
| M8 | 35.5 | 71 | 10 | | | | 924.132.00 | 824.132.00 |
| M8 | 40 | 81 | 10 | | | | 924.128.00 | 824.128.00 |
| M8 | 40 | 86 | 10 | | | 924.083.00 | | |
| M8 | 41 | 85 | 10 | | | | 924.136.00 | 824.136.00 |
| M8 | 47 | 97 | 10 | | | | 924.130.00 | 824.130.00 |
| M8 | 57 | 100 | 10 | | | | 924.137.00 | 824.137.00 |
| M12 | 39.5 | 85 | 10 | | | | 924.134.00 | 824.134.00 |
| M12 | 54 | 97 | 10 | | | | 924.129.00 | 824.129.00 |
| M12 | 54.5 | 100 | 10 | | | | 924.135.00 | 824.135.00 |

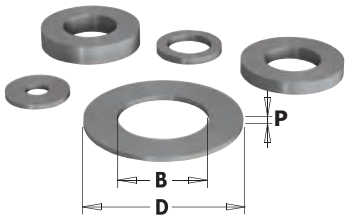
## SLOT CUTTER ARBORS

7/8/924



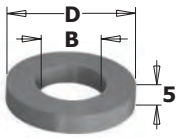

| | L mm | D mm | LB mm | | ORDER NO. S=Ø6mm | ORDER NO. S=Ø6.35mm | ORDER NO. S=Ø8mm | | ORDER NO. S=Ø12.7mm |
|---|---|---|---|---|---|---|---|---|---|
| | ARBORS FOR 823 SLOT CUTTERS WITH COUNTERBORE | | | | | | | | |
| 1 | 55 | | | 10 | 724.061.00 | 824.061.00 | 924.081.00 | | 824.121.00 |
| 2 | 61 | 8 | 11 | 10 | 724.062.00 | | 924.082.00 | | 824.122.00 |

## SHIELDS FOR ASSEMBLY — 541

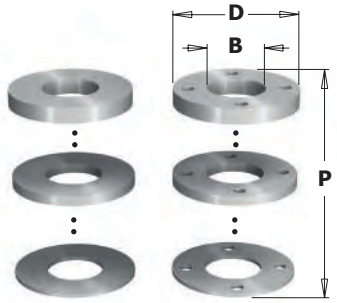



| B mm | D mm | P mm | | ORDER NO. | B mm | D mm | P mm | | ORDER NO. |
|---|---|---|---|---|---|---|---|---|---|
| 3.25 | 9 | 1.6 | 10 | **541.550.00** | 8 | 14.7 | 5.8 | 10 | **541.519.00** |
| 3.25 | 15.88 | 2 | 10 | **541.552.00** | 12 | 20 | 2 | 10 | **541.512.00** |
| 5.2 | 15.88 | 2.5 | 10 | **541.551.00** | 12 | 20 | 3 | 10 | **541.511.00** |
| 6.4 | 9.53 | 2.2 | 10 | **541.514.00** | 12 | 18 | 0.1 | 10 | **541.526.00** |
| 8 | 14 | 0.1 | 10 | **541.515.00** | 12 | 21 | 0.3 | 10 | **541.520.00** |
| 8 | 14 | 0.3 | 10 | **541.516.00** | 12 | 21 | 1.59 | 10 | **541.521.00** |
| 8 | 14 | 0.5 | 10 | **541.517.00** | 12 | 21 | 3.18 | 10 | **541.522.00** |
| 8 | 14 | 1 | 10 | **541.518.00** | 12 | 21 | 6.16 | 10 | **541.523.00** |
| 8 | 14.7 | 3 | 10 | **541.500.00** | 12 | 21 | 1 | 10 | **541.524.00** |
| 8 | 14.7 | 4 | 10 | **541.501.00** | 12 | 21 | 0.5 | 10 | **541.525.00** |

## SPACERS SET — 695.998



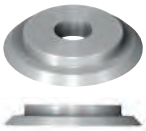

SPACER RING




SPACER SETS | SPACER SETS WITH PIN HOLE

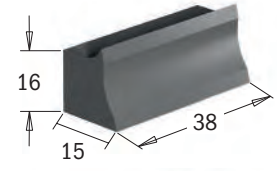
| D mm | B mm | P mm | FOR CUTTER HEAD | | ORDER NO. |
|---|---|---|---|---|---|
| **SPACER RING** | | | | | |
| 30 | 60 | 5 | 694.021 - 694.022 | 1 | **299.560.30** |
| 31.75 | 60 | 5 | 694.021 - 694.022 | 1 | **299.560.31** |
| 35 | 60 | 5 | 694.021 - 694.022 | 1 | **299.560.35** |
| 40 | 60 | 5 | 694.021 - 694.022 | 1 | **299.560.40** |
| 50 | 70 | 5 | 694.021 - 694.022 | 1 | **299.570.50** |
| **SPACER SETS** | | | | | |
| 50 | 30 | 9 | 694.015 | 10 | **695.998.01** |
| 50 | 31.75 | 9 | 694.015 | 10 | **695.998.02** |
| 55 | 35 | 9 | 694.015 | 10 | **695.998.03** |
| 60 | 40 | 9 | 694.015 | 10 | **695.998.04** |
| 70 | 50 | 9 | 694.015 | 10 | **695.998.05** |
| 50 | 30 | 33 | 694.005 | 10 | **695.998.11** |
| 50 | 31.75 | 33 | 694.005 | 10 | **695.998.12** |
| 55 | 35 | 33 | 694.005 | 10 | **695.998.13** |
| 60 | 40 | 33 | 694.005 | 10 | **695.998.14** |
| 70 | 50 | 22 | 694.005 | 10 | **695.998.15** |
| **SPACER SETS WITH PIN HOLE** | | | | | |
| 65 | 30 | 8 | 694.001 & 694.015 | 10 | **695.998.21** |
| 65 | 31.75 | 8 | 694.001 & 694.015 | 10 | **695.998.22** |
| 65 | 35 | 8 | 694.001 & 694.015 | 10 | **695.998.23** |

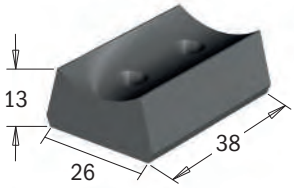
## THREADED RINGS FOR 694.001 CUTTER HEADS — 695.996



| DESCRIPTION | | ORDER NO. |
|---|---|---|
| M4 (Ø10x1.6mm) | 10 | **695.996.01** |
| M4 (Ø12x1.7mm) | 10 | **695.996.02** |

## WEDGES FOR CUTTER HEADS — 651-692-693-695




| DESCRIPTION | | ORDER NO. | DESCRIPTION | | ORDER NO. |
|---|---|---|---|---|---|
| **WEDGE FOR CUTTER HEADS** | | | 31x11x9.5mm | 10 | **695.999.31** |
| 38x15x16mm | 10 | **692.999.01** | 38x11x9.5mm | 10 | **695.999.38** |
| 38x22.5x13mm | 10 | **692.999.02** | 39x11x9.5mm | 10 | **695.999.39** |
| 38x26x13mm | 10 | **693.999.01** | 42x11x9.5mm | 10 | **695.999.42** |
| 38x15x16mm (for 695.018) | 10 | **695.018.01** | 46x11x9.5mm | 10 | **695.999.46** |
| 7x11x9.5mm | 10 | **695.999.07** | 49x11x9.5mm | 10 | **695.999.49** |
| 16x11x9.5mm | 10 | **695.999.16** | 53x11x9.5mm | 10 | **695.999.53** |
| 17x11x9.5mm | 10 | **695.999.17** | **WEDGES FOR ROUTER BITS WITH KNIVES** | | |
| 22x11x9.5mm | 10 | **695.999.22** | D=8x20mm | 10 | **651.999.01** |
| 23x11x9.5mm | 10 | **695.999.23** | D=10-12-12.7x30mm | 10 | **651.999.02** |
| 23x11x9.5mm | 10 | **695.999.24** | D=12-12.7x50mm | 10 | **651.999.03** |

# Alphabetical index


| DESCRIPTION | PAGE |
|---|---|
| 12 Corner Radius Router Template Set from 3mm to 25mm | 409 |
| 12 Piece Router Bit Set | 266 |
| 13 Piece Multiprofile Cutter Head Sets without Limiters | 156 |
| 13 Piece Router Bit Set | 266 |
| 15 Piece Router Bit Set | 265 |
| 15° Dovetail Cutter with Insert Knives for Roof-Frames | 224 |
| 16 Piece Jig Saw Blade Set | 95 |
| 2 Flute Dowel Drills | 344-345 |
| 2 Flute Dowel Drills for Through Holes | 350-351 |
| 2 Piece Entry Door Router Bit Set | 269 |
| 2400W Precision Router | 398 |
| 25 Piece Reciprocating Saw Blade Set | 109 |
| 26 Piece Router Bit Set | 265 |
| 3-Flute Slot Cutter for STRIPLOX® Mini | 257 |
| 3-in-1 Flush Trim Bits for MDF/Laminate | 202 |
| 3-piece Precise Measurement Pack | 417 |
| 3-Wing Slot Cutter | 211 |
| 4 Flute Dowel Drills | 346~348 |
| 4 Flute Dowel Drills for Through Holes | 351 |
| 4-Wing Cut Out Slot Cutters for Solid Surfaces | 261 |
| 45° Chamfer Cutter Heads | 142 |
| 45° Countersink with Parallel Shank | 380 |
| 45° Lock Miter Cutter Heads | 149 |
| 5 Piece Basic Router Bit Set | 283 |
| 5 Piece Boring Bit Set for Hinges | 366-367 |
| 5 Piece Spiral Bit Set | 275 |
| 5 Piece Straight Bit Set & Profile Bit Set | 274 |
| 5 Piece Straight Router Bit Set | 283 |
| 6 Piece Mortising Bit Sets | 328-329 |
| 60° Lettering Bit | 225 |
| 7 Piece Multiprofile Cutter Head Sets with Limiters | 157 |
| 710W Trimmer | 399 |
| 9° Dovetail Cutters | 224 |
| 90° Countersink with Parallel Shank | 380 |
| 90° Solid Carbide Countersink with Driving Flat | 352 |
| 90° Solid Carbide Countersink with Parallel Shank | 381 |

## A

| | |
|---|---|
| Accessories for Oscillanting Multi-Tools | 112~134 |
| Adaptors | 353~355 |
| Adaptors for interchangeable boring bits | 364-365 |
| Adaptors for Twist Drills | 343 |
| Additional Comb Template & Bits | 411 |
| Adjustable Chamfer Cutter Heads ±45° | 143 |
| Adjustable Chamfering CNC Cutter | 323 |
| Adjustable Corner Frame Clamps | 416 |
| Adjustable Countersink | 378 |
| Adjustable Double Roundover Bits | 242 |
| Adjustable Grooving Cutter Heads Sets (2 pcs.) | 139 |
| Adjustable Grooving Cutter Heads Sets (3 pcs.) | 138 |
| Adjustable Precision Router Dado Jig | 405 |
| Adjustable Rounding & Chamfering Cutter Heads Sets (2 pcs.) | 141 |
| Adjustable Roundover & Bevel Bits | 242 |
| Adjustable Scoring | 50 |
| Adjustable Shaker Router Bit Set | 273 |
| Adjustable Tongue & Groove Bit Set for Mission Style Cabinet Doors | 273 |
| Adjustable Torque Screwdriver Set 1~6 Nm | 421 |
| Auger Bits | 375 |

## B

| | |
|---|---|
| Back-to-Back Connectors for Straight Edge Clamps (optional) | 404 |
| Ball End Bit | 232 |
| Bead & Bull Nose Bits | 244 |
| Beading Bits | 235 |
| Bench Block Set | 422 |
| Bi-Metal Plus Hole Saws | 390-391 |
| Biscuit Joiner | 60 |
| Bit Organizer | 422 |
| Blank Knives & Limiters (to be sharpened) | 171 |
| BLUM® Hinge Boring Head | 414 |
| Boring Bit & Plug Cutter Sets | 371 |
| Boring Bits with Parallel Shank | 366~369 |
| Boring Head System 32 | 414 |
| Bowl & Tray Bits | 225 |
| Brad Point Bit Sets | 376 |
| Brad Point Bits | 376-377 |
| Brad Point Bits & Stop Collars | 375 |
| Bushings for Twist Drills | 343 |

## C

| | |
|---|---|
| C-Spanner | 292 |
| Cabinet Hardware Jig Guide | 417 |

| DESCRIPTION | PAGE |
|---|---|
| Calibration & Sanding Disks | 75 |
| Cap Nuts for CNC Machines | 289 |
| Carbide Spiral Slot Mortising Bits with Chipbreaker | 330 |
| Carpenter Pencil & Ink Pen | 424 |
| Cavetto Edge Mould Bits | 234 |
| Chamfer Bit | 229-230, 280 |
| Chamfer Bits with Insert Knives | 229 |
| Chamfer Set | 230 |
| Chucks & "ER20" Collets for Spindle Moulder Machine | 171 |
| Chucks for "ER32" Precision Collets | 289 |
| Chucks for Biconical Collets with MK2 Tapered Shank | 289 |
| Clamping Nuts | 291 |
| Classical Bead Bits | 238 |
| Classical Ogee Bits | 240, 282 |
| Clearing grass, bushes, small trees | 61 |
| CMT Moulding System | 245 |
| CMT Professional Tool Bag | 424 |
| CMT's Complete Kitchen Set | 271 |
| Combination Trimmer Bits | 198-199 |
| Complete Set for Decorating on MDF | 325 |
| Complete Set for MDF Doors | 326-327 |
| Conical Scoring | 51 |
| Construction | 13 |
| Contour Duplicator Gauge | 416 |
| Contractor | 52-53 |
| Corner Beading Bit with 45° Chamfer | 243 |
| Corner Beading Bits | 244 |
| Corner Rounding Bits for composites and laminates | 237 |
| Countersinks for 2 Flutes Dowel Drills | 352 |
| Countersinks for 4 Flutes Dowel Drills | 352 |
| Cove Bit Set | 233 |
| Cove Bits | 233, 281 |
| Cutter Arbor Chucks with Tapered Shank | 294 |
| Cutter Heads for Rabbeting & Profile Knives 40mm | 136 |
| Cutter Heads with Limiters | 155 |
| Cutter Heads without Limiters | 155 |

## D

| | |
|---|---|
| Dado & Planer Bits | 195 |
| Dado Grooving | 56 |
| Decorative Beading Bits | 238 |
| Decorative Ogee Bit | 239, 279 |
| Deep Hole Mechanical Marker | 425 |
| Demolition | 12 |
| Diamond Dry Hole Saws | 392-393 |
| Diamond Dry Special Bits | 394-395 |
| Diamond Dry Wheels | 395 |
| Digital Angle Finder | 419 |
| Digital Angle Gauge | 419 |
| Digital Height Gauge | 418 |
| Digital Moisture Meter | 418 |
| Display Cabinet for Drill & Boring Bits | 432 |
| Display Cabinet for Hole Saws | 433 |
| Display Cabinet for Multi-Cutters | 430 |
| Display Cabinet for Router Bits | 431 |
| Display Cabinet for Router Bits & Forstner Bits | 434 |
| Display Cabinets for Sabre & Jig Saw Blades | 429 |
| Display Cabinets for Saw Blades | 428 |
| Divided Light Door Set | 267 |
| Door Lip Bit & Finger Grip Bit | 248 |
| Double-Bearing Spiral Flush Trim Bits | 202 |
| Double-Edge Trimmer | 420 |
| Dovetail Bit | 222-223, 280 |
| Dowel Drills - LONG LIFE | 340 |
| Dowel Drills for MAFELL® & Hand-Held Routers | 374 |
| Dowel Drills for Through Holes - LONG LIFE | 341 |
| Dowel Drills for Through Holes with Countersink | 349 |
| Dowel Drills with Countersink | 349 |
| Dowel Drills with Threaded Shank | 361 |
| Dowel Drills with Threaded Shank with Countersink | 360, 362 |
| Dowel Drills with Threaded Shank without Countersink | 360, 362 |
| DP - Conical Scoring - LONG LIFE | 47 |
| DP - Corner Rounding Bits for composites and laminates | 237 |
| DP - Finger Pull Bit | 316 |
| DP - Flush Trim Bits for Laminates - LONG LIFE | 201 |
| DP - Hinge Boring Bits - LONG LIFE | 357 |
| DP - Laminate & Chipboard - LONG LIFE | 46 |
| DP - Multi-Material - LONG LIFE | 62 |
| DP - Ogee bits | 315 |
| DP - Profile Cutter for Nesting applications | 314 |
| DP - Round Nose Bits | 316 |
| DP - Router Cutters - LONG LIFE | 310 |




® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

# Alphabetical index


| DESCRIPTION | PAGE |
|---|---|
| DP - Router Cutters with 20° Shear Angle - LONG LIFE | 312 |
| DP - Router Cutters with 40° Shear Angle - LONG LIFE | 314 |
| DP - Router Cutters with 45° Shear Angle - LONG LIFE | 311 |
| DP - Router Cutters with Negative Shear Angle - LONG LIFE | 310 |
| DP - Router Cutters with Shear Angle - LONG LIFE | 311-312 |
| DP - Router Cutters with Shear Angle for Nesting - LONG LIFE | 313 |
| DP - Spiral Router Cutters with Shear Angle - LONG LIFE | 313 |
| DP - Ultra-Hard Materials - LONG LIFE | 11, 53 |
| DP - V-Groove | 315 |
| Drawer Lock Bits | 217 |
| Drill Bit with Countersink for Screw Joints | 381 |
| Drill Bits for ANUBA® Hinges | 377 |
| Drill Bits with 45° Countersink Set | 379 |
| Drill Bits with 90° Countersink Set | 379 |
| **E** | |
| Edge Banding Bits Set | 221 |
| Edge Banding End Trimmer | 420 |
| Edge Banding Iron | 420 |
| Edge-Fluting Bits | 245 |
| Entry & Interior Door Router Bit Set | 268 |
| ER20 Precision Collets for Chucks 796.122/142/162 | 171 |
| Extension for drills with hexagonal shank | 365 |
| **F** | |
| FILE-FREE Flush Trim Bits for Laminate | 203 |
| Fine Finishing | 30~32 |
| Fine Finishing - DOUBLE SIDED - NEGATIVE | 34 |
| Fine Finishing - DOUBLE SIDED - POSITIVE | 35 |
| Fine Finishing - THIN KERF | 33 |
| Finger Joint Bit | 220 |
| Finger Pull Bit | 249, 283 |
| Finishing | 26~28 |
| Finishing - THIN KERF | 29 |
| Flexible Templates for Curved & Arched Routing | 409 |
| Flooring Bits | 210 |
| Flush Trim Bit Set | 200 |
| Flush Trim Bits | 200, 278 |
| Flush Trim Bits with Insert Knives | 203 |
| Flute & Bead Set | 214 |
| Formula 2050: Tools Cleaner | 423 |
| Formula 998: Lubricant for Wood, Neutralizes Resin | 423 |
| Forstner Bit Sets | 372 |
| Forstner Bits | 372 |
| **G** | |
| Glass Panel Set | 267 |
| Grand Rabbeting Bits with Insert Knives | 207 |
| Grinding Wheels for XTREME Sharpening | 338, 340 |
| Grooving | 59 |
| Grooving System | 57 |
| Grooving/Finish | 58 |
| Guide to Choosing the Most Suitable Jig Saw Blade | 90 |
| **H** | |
| Handle for Reciprocating Saw | 109 |
| Hinge Boring Bits | 357-358 |
| Hinge Boring Bits with Chipbreaker | 359 |
| Hinge Boring Jigs | 415 |
| Hinge Recesser Bits | 195 |
| Hole Saw Adaptors | 387 |
| Hole Saw Arbors, Pilot Drills & Kit | 386 |
| HSS Corrugated Back Moulder Knives - INDUSTRIAL SERIES | 173 |
| HSK Chucks for Grooving Blade | 293 |
| HSK-63F Chucks for “EOC25” Precision Collets “DIN6388” | 287 |
| HSK-63F Chucks for “ER32” Precision Collets | 287 |
| HSK-63F Chucks for “ER40” Precision Collets | 287 |
| HSK-63F Chucks for Shrink Fit Holders | 287 |
| HWM Reversible knives | 176-177 |
| HWM Reversible Knives for Portable Planers | 172 |
| **I** | |
| INDUSTRIO Routing System | 401 |
| Inlay Kit | 408 |
| Interchangeable Boring Bits with Threaded Shank | 365 |
| Interchangeable Torque Wrench 20~200 Nm | 421 |
| ISO30 Chucks for “ER32” Precision Collets | 288 |
| ISO30 Chucks for “ER40” Precision Collets | 288 |
| ISO30 Retaining Studs | 292 |

| DESCRIPTION | PAGE |
|---|---|
| **J** | |
| Jig Saw Blades | 91~95 |
| Junior Ogee Rail & Stile Set | 251 |
| **K** | |
| Keyhole Bit | 209, 279 |
| Kinetic Dust Extractor | 286 |
| Kit for CNC Machine | 324 |
| Kitchen Set | 272 |
| Kitchen Worktop Jig | 406 |
| **L** | |
| Laminate & Chipboard | 45 |
| Laminate & Chipboard - LONG LIFE SHARPENING - NEGATIVE | 43 |
| Laminate & Chipboard - LONG LIFE SHARPENING - POSITIVE | 42 |
| Laminate & Chipboard - POSITIVE | 40-41 |
| Laminate & HPL - NEGATIVE | 44 |
| Laminate/Veneered-Panel Cutter | 420 |
| Laser Point Bit | 227 |
| Latex Coated Gloves | 424 |
| Lock Miter Bits | 215 |
| Lock Miter Set | 214 |
| LOCKED Dado Pro - Z12 | 54 |
| LOCKED Precision Dado - Z24 - LONG LIFE | 55 |
| **M** | |
| MAX RPM - CMT Saw Blades | 88 |
| Maximize Your BORING’S Performance | 334 |
| Maximize Your HINGE BORING’S Performance | 356 |
| Maximize Your SAW’S Performance | 4 |
| MEDIUM/THICK - Metal & Steel | 73 |
| Metal & Steel | 70-71 |
| Mini Counter Display for Multi Tools | 435 |
| Mortise Chisel & Bit Sets | 369 |
| Mortising Bits | 194 |
| Moulding Bits | 247-248 |
| Multi-Materials CARBIDE Wheel | 396 |
| Multi-Materials Carbide Wheel for Angle Grinder | 10 |
| Multi-Materials DIAMOND Dry Wheel | 396 |
| Multi-Materials Diamond Dry Wheel for Angle Grinder | 10 |
| Multi-Purpose Hole Saws - HW | 388-389 |
| Multi-Rip | 17 |
| Multi-Rip with Rakers | 16 |
| Multi-Rip with Rakers - THICK KERF | 15 |
| Multi-Rip with Rakers - THIN KERF | 14 |
| Multiprofile Bits | 246 |
| Multiradius Roundover & Cove Cutter Heads | 146 |
| Multiradius Roundover Cutter Heads | 144-145 |
| **N** | |
| Non-Ferrous & Melamine | 66~68 |
| Non-Ferrous & Melamine - THIN KERF | 69 |
| Non-Ferrous & Plastics | 64-65 |
| **O** | |
| Ogee Bits | 241 |
| Ogee with Fillet Bits | 241 |
| Ovolo Bit | 234, 281 |
| Ovolo/Glass Door Sash Bits | 219 |
| Ovolo/Glass Door Sash Set | 219 |
| **P** | |
| Pair of Bore Reducers | 171 |
| Panalign Strips | 271 |
| Panel Pilot Bits with Guide | 205 |
| Panel Sizing | 48 |
| Panel Sizing - DPX | 49 |
| Pattern Bits | 196, 278 |
| Pattern Bits with Insert Knives | 197 |
| Pattern Bits with Insert Knives for Laminates | 197 |
| Pattern/Flush Trim Bits | 204 |
| Pattern/Flush Trim Bits with Insert Knives | 204 |
| Planer & Jointer Knives | 174-175 |
| Planing & Jointing Spiral Cutter Heads | 140 |
| Plastics | 63 |
| Plug Cutters | 370 |
| Plunge Ogee Bits | 239 |
| Plywood Groove Set | 188 |
| Pocket-Pro Joinery System | 403 |
| Precision Collets “DIN6388” | 291 |
| Precision Collets “DIN6499” | 290 |
| Professional Adjustable Chamfer Cutter Heads ±90° | 143 |


® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

| DESCRIPTION | PAGE |
|---|---|
| Professional Finger Joint Bit | 220 |
| Professional Finger Joint Cutter Heads | 147 |
| Professional Raised Panel Cutter Heads | 151 |
| PROFESSIONAL Routing Table | 400 |
| Professional Straight Edge Clamps | 404 |
| Profile & Counter Profile Cutter Head Sets | 152-153 |
| Profile Knives and Limiters | 158~170 |

## R

| | |
|---|---|
| Rabbeting Bit | 207, 281 |
| Rabbeting Bits with Insert Knives | 208 |
| Rabbeting Cutter Heads with Shear Angle | 137 |
| Rabbeting Sets | 208 |
| Rail & Stile Cutter Heads | 154 |
| Rail & Stile Set | 251, 253 |
| Raised Panel Bit with Back Cutter | 255 |
| Raised Panel Bits | 254 |
| Raised Panel Cutter Heads | 150 |
| Reciprocating Slot Mortising Bits | 332 |
| Reduction Rings for Saw Blades | 75 |
| Replacement Bearing Set | 283 |
| Reverse Glue Joint Bits | 216 |
| Reverse Glue Joint Cutter Heads | 148 |
| Ripping | 18~20 |
| Ripping - THIN KERF | 21 |
| Ripping & Crosscut [General Purpose] | 22~24 |
| Ripping & Crosscut [General Purpose] - THIN KERF | 25 |
| Roman Ogee Bit | 240, 282 |
| Rosette Cutters | 373 |
| Round Nose Bits | 231, 278 |
| Round Nose Set | 232 |
| Round Nose Solid Carbide Upcut Spiral Bits | 305 |
| Roundover & Beading Bits | 282 |
| Roundover Bits | 236 |
| Roundover Bits with Insert Knives | 235 |
| Roundover Set | 236 |
| Router Bit Set with Insert Knives | 275 |
| Router Bits for DOMINO® Joining Machines by FESTOOL® | 374 |
| Router Cutters | 317~319 |
| Routing Guide | 180 |

## S

| | |
|---|---|
| Sabre Saw Blade Application Chart | 98-99 |
| Sabre Saw Blades | 100~109 |
| Saw Blade Arbor with Parallel Shank | 292 |
| Saw Blade Index | 76~87 |
| Saw Blades Stabilizers | 75 |
| Screw Slot Bits | 210 |
| Set of 2 Magnetic Knife Setting Jigs | 173 |
| Slot & Mortise Boring Bits | 330-331 |
| Slot Cutter Set | 274 |
| Slot Cutters | 212-213, 280 |
| Slot Mortising Bits with Chipbreaker | 328 |
| Small Arch Door Set | 270 |
| Small Stock Holder | 402 |
| Solid Carbide Dowel Drills - REDUCED GRINDING BODY - LONG LIFE | 336 |
| Solid Carbide Dowel Drills for Through Holes - REDUCED GRINDING BODY - LONG LIFE | 336 |
| Solid Carbide Dowel Drills - LONG LIFE | 335, 337~339 |
| Solid Carbide Dowel Drills for Through Holes - LONG LIFE | 339 |
| Solid Carbide Router Cutters | 317-318 |
| Solid Carbide Spiral Bits | 184-185 |
| Solid Carbide Twist Drills "V" Point 120° - LONG LIFE | 342 |
| Solid Carbide Twist Drills "V" Point 60° - LONG LIFE | 342 |
| Solid Carbide Twist Drills Negatively Ground Spurs - LONG LIFE | 342 |
| Solid Carbide Upcut & Downcut Spiral Bit - LONG LIFE | 304 |
| Solid Carbide Upcut & Downcut Spiral Bits | 296 |
| Solid Carbide Upcut 2D/3D Carving Tapered Ball Nose Spiral Bits | 305 |
| Solid Carbide Upcut Spiral Bits for 60° V-Point Locksets | 306 |
| Solid Carbide Upcut Spiral Bits for Locksets | 306 |
| Solid Surface | 63 |
| Solid Surface - Bevel Bit | 260 |
| Solid Surface - Bevel Bowl Bits | 260 |
| Solid Surface - Counter Top Trim Bits | 257 |
| Solid Surface - Cut & Plug Repair Set | 261 |
| Solid Surface - Decorative Edge Profile Bits | 258 |
| Solid Surface - Drainboard Bits | 263 |
| Solid Surface - Inlay Bits | 263 |
| Solid Surface - No-Drip Bit | 262 |
| Solid Surface - Rounding Over Bits | 258 |
| Solid Surface - Rounding Over Bowl Bit (ogee profile) | 259 |
| Solid Surface - Rounding Over Bowl Bits | 259 |
| Solid Surface - Sink & Trim Bits | 264 |

| DESCRIPTION | PAGE |
|---|---|
| Solid Surface - Sink & Trim Bits with Insert Knives | 264 |
| Solid Surface - Wavy Joint Bit | 262 |
| Solid Carbide Bits for Solid Surface & Fiberglass Bit - LONG LIFE | 309 |
| Spare Parts & Accessories | 436~441 |
| Spare Parts for Cutter Arbor Chucks | 294 |
| Spiral Bits with Insert Knives & Chipbreaker for Locksets | 307 |
| Spoilboard Surfacing Cutters | 321 |
| Spoilboard Surfacing Cutters with Insert Knives | 321 |
| Stainless Steel | 74 |
| Stepped Rebate Bit | 228 |
| Stile & Panel Bits | 256 |
| Straight Bits | 188, 277 |
| Straight Bits - LONG SERIES | 187 |
| Straight Bits - SHORT SERIES | 189 |
| Straight Bits for Industrial Nesting - LONG LIFE | 318 |
| Straight Bits with Centre Tip | 277 |
| Straight Bits with Centre Tip - INDUSTRIAL SERIES | 186 |
| Straight Cutters with Threaded Shank | 190 |
| Straight Bits with Insert Knives | 192-193 |
| Straight Bits with Insert Knives for Laminates | 192 |
| Straight Cutters with Insert Knives | 320 |
| Super-duty Flush Trim Bit - XTREME SERIES | 201 |

## T

| | |
|---|---|
| T-Slot Bits | 209 |
| Table Edge & Hand Rail Bits | 250 |
| Tabletop Accessories | 402 |
| Template Guide Kit | 408 |
| Tenon Cutting Bits | 269 |
| The ABC's of Panel Door Construction | 252 |
| The Cabinetmaking Set | 270 |
| The CMT Grand Rabbet Set | 206 |
| The Raised Panel Set with Backcutter | 272 |
| THIN - Metal & Steel | 72 |
| Tongue & Groove Set | 211 |
| Toolcase for XTREME FAST Hole Saws | 385 |
| Twisted Slot Mortising Bits with Chipbreaker | 329 |

## U

| | |
|---|---|
| Ultra Fine Finishing | 36-37 |
| Ultra Fine Finishing - FRAMES | 38 |
| Ultra Fine Finishing - LONG LIFE SHARPENING | 39 |
| Universal Assembly Supports for Chucks | 294 |
| Universal Boring Template | 407 |
| Universal Hinges Boring System | 412-413 |
| Universal Jointing System Dovetail/Box Joint | 410 |
| Universal Profile Cutter for CNC Machines | 322 |
| Upcut Spiral Bits with Chipbreaker for Glue-Laminated Wooden Beams | 307 |

## V

| | |
|---|---|
| V-Groove - Folding - Signmaking CNC Cutters with Insert Knives | 323 |
| V-Groove Bits | 279 |
| V-Grooving & Signmaking Bits with indexable knives (90°) | 228 |
| V-Grooving Bits | 227 |
| V-Grooving Bits (90°) | 226 |
| V-Tongue & Groove Set | 221 |
| Vertical Raised Panel Bits | 250 |

## W

| | |
|---|---|
| Wainscot/Paneling Bits | 243 |
| Weatherseal Bits | 198 |
| What work parameters are best when routing? | 284 |
| Window Sash Set | 218 |
| Window Sill & Finger Bits | 249 |

## X

| | |
|---|---|
| XTREME Plunge CNC Cutters with Insert Knives | 320 |
| XTREME Spoilboard Surfacing Cutter with Insert Knives | 322 |

## Z

| | |
|---|---|
| Z1 - Spiral Bits POSITIVE for Aluminium and PVC | 191, 308 |
| Z1 - Solid Carbide Spiral Bits | 297 |
| Z2 - Solid Carbide Downcut Spiral Bits - LONG LIFE | 299 |
| Z2 - Solid Carbide Upcut Spiral Bits | 298 |
| Z2 - Solid Carbide UPCUT Spiral Bits for Aluminium and PVC | 191, 308 |
| Z3 - Solid Carbide Downcut Spiral Bits | 301 |
| Z3 - Solid Carbide Upcut Spiral Bits | 300 |
| Z3 - Solid Carbide Dowel Drills - LONG LIFE | 338 |
| Z3R - Solid Carbide Downcut Spiral Bits with Chipbreaker | 303 |
| Z3R - Solid Carbide Upcut Spiral Bits with Chipbreaker | 302 |
| Z4R - Solid Carbide Upcut Spiral Bits | 304 |




® Brand names mentioned in CMT products are the property of their respective owners (see back cover)

# Numerical Index


| ORDER NO. | PAGE |
|---|---|
| 01.02 | 338, 340 |
| 03.00.0002 | 434 |
| 03.00.0038 | 428~430, 433 |
| 03.00.0042 | 431-432 |
| 03.00.0043 | 435 |
| 03.00.0045 | 435 |
| 03.51 | 422 |
| 03.53.0011-X24 | 428~430, 433 |
| 03.53.0012-X24 | 428~431, 434-435 |
| 03.53.0013-X24 | 433 |
| 03.53.0014-X12 | 435 |
| 03.53.0017 | 431-432 |
| 03.53.0020-X12 | 429, 435 |
| 03.53.0038 | 428, 430, 433 |
| 03.53.0042-X24 | 431, 434 |
| 102 | 328 |
| 103 | 332 |
| 104 | 332 |
| 105 | 332 |
| 112 | 318 |
| 113 | 318 |
| 123 | 289 |
| 124 | 289 |
| 140 | 311 |
| 141 | 310 |
| 142 | 312 |
| 143 | 313 |
| 145 | 314 |
| 146.663 | 314 |
| 146.914 | 316 |
| 146.915 | 315 |
| 146.955 | 316 |
| 146.965 | 315 |
| 151 | 309 |
| 152 | 305 |
| 160 | 329 |
| 161 | 329-330 |
| 163 | 330 |
| 164 | 331 |
| 166 | 331 |
| 167 | 331 |
| 170 | 190 |
| 171 | 190 |
| 172 | 328 |
| 173 | 190 |
| 174 | 186, 317 |
| 175 | 319 |
| 176 | 319 |
| 177 | 186, 319 |
| 178 | 321 |
| 179 | 332 |
| 180 | 190 |
| 181 | 190 |
| 182 | 190 |
| 183 | 294 |
| 183.000 | 289 |
| 183.075 | 287 |
| 183.100 | 289 |
| 183.200 | 288 |
| 183.201 | 288 |
| 183.210 | 288 |
| 183.211 | 288 |
| 183.220 | 288 |
| 183.221 | 288 |
| 183.250 | 288 |
| 183.260 | 294 |
| 183.300 | 287 |
| 183.310 | 287 |
| 183.320 | 287 |
| 183.360 | 294 |
| 183.400 | 289 |
| 183.410 | 292 |
| 183.420 | 293 |
| 183.421 | 293 |
| 183.422 | 293 |
| 184 | 171, 290, 439 |
| 185 | 291 |
| 186 | 191, 308 |
| 188 | 191, 308 |
| 189 | 191, 308 |
| 190 | 184, 296 |
| 190.04 | 304 |
| 190.41 | 184, 296 |
| 190B | 202 |
| 191 | 185, 298, 306 |
| 191.0 | 275 |
| 191.635 | 198 |
| 191B | 202 |
| 192 | 185, 299 |
| 192.0 | 275 |
| 192.41 | 299 |
| 192B | 202 |
| 193 | 300, 306 |
| 194 | 301 |
| 195 | 302, 306-307 |
| 196 | 303 |
| 197 | 304 |
| 198 | 184, 297 |
| 199 | 231, 305 |
| 222 | 63 |
| 223 | 63 |
| 226 | 72~74 |
| 227 | 70-71 |
| 230.312 | 54 |
| 230.324 | 55 |
| 230.5 | 56 |
| 235 | 62 |
| 236 | 11 |
| 237 | 46 |
| 238 | 47 |
| 240 | 57~60 |
| 240.004.04 | 60 |
| 241 | 60 |
| 251 | 26 |
| 271 | 21, 25 |
| 272 | 29 |
| 273 | 33 |
| 274 | 39 |
| 276 | 69 |
| 277 | 15 |
| 278 | 17 |
| 279 | 16 |
| 280 | 14 |
| 281 | 40-41, 43~45, 48 |
| 282 | 48-49 |
| 283 | 37 |
| 283.6 | 36 |
| 284 | 64 |
| 285 | 18-19, 23-24, 26~28, 30~32 |
| 285.5 | 38 |
| 285.6 | 22 |
| 286 | 10, 12-13, 396 |
| 286.61 | 10 |
| 286.61 | 396 |
| 287 | 34-35 |
| 288 | 51 |
| 289 | 50 |
| 290 | 20 |
| 291 | 24 |
| 292 | 28, 32 |
| 293 | 19 |
| 294 | 23, 27-28, 32 |
| 295 | 27, 42 |
| 296 | 66, 68 |
| 297 | 66~68 |
| 298 | 61 |
| 299 | 75, 139 |
| 299.10 | 75 |
| 299.11 | 75 |
| 300.023.01 | 324 |
| 300.025.01 | 324 |
| 301 | 353 |
| 302 | 353 |
| 303 | 354 |
| 305 | 353 |
| 306 | 346 |
| 307 | 346 |
| 308 | 347 |
| 309 | 347 |
| 310 | 344 |
| 310.21/22 | 336, 337 |
| 310.41/42 | 340 |
| 311 | 345 |
| 311.21/22 | 336, 337 |
| 311.31/32 | 338 |
| 311.41/42 | 340 |
| 311.71/72 | 335 |
| 312 | 374 |
| 313 | 350 |
| 313.41/42 | 341 |
| 314 | 350 |
| 314.21/22 | 336, 339 |
| 314.41/42 | 341 |
| 315 | 352 |
| 316 | 352 |
| 317 | 357-358 |
| 317C | 359 |
| 325 | 360 |
| 327 | 360 |
| 329 | 360 |
| 330 | 360 |
| 332 | 362 |
| 334 | 362 |
| 336 | 362 |
| 337 | 362 |
| 338 | 360 |
| 339 | 360 |
| 340 | 360 |
| 341 | 362 |
| 342 | 362 |
| 343 | 362 |
| 344 | 361 |
| 346 | 361 |
| 352 | 361 |
| 353 | 361 |
| 358 | 353 |
| 359 | 354 |
| 360.001 | 354 |
| 360.101 | 355 |
| 360.201 | 355 |
| 360.301 | 355 |
| 360.401 | 355 |
| 361 | 344 |
| 362 | 345 |
| 362.21/22 | 336 |
| 363.11/12 | 342 |
| 363.21/22 | 342 |
| 363.41/42 | 342 |
| 364 | 343 |
| 365 | 343 |
| 366 | 350 |
| 366.21/22 | 336 |
| 367 | 351 |
| 368 | 351 |
| 369 | 357-358 |
| 369C | 359 |
| 370 | 358 |
| 372 | 348 |
| 373 | 348 |
| 373.21/22 | 336 |
| 374 | 351 |
| 375 | 351 |
| 376 | 349 |
| 377 | 349 |
| 378 | 349 |
| 380 | 374 |
| 381 | 351 |
| 382 | 339 |
| 392 | 369 |
| 500.001.08 | 371 |
| 500.002.08 | 371 |
| 500.003.08 | 371 |
| 501 | 365 |
| 503 | 364 |
| 506 | 364 |
| 507 | 365 |
| 509 | 364 |
| 511 | 364 |
| 512 | 366-367 |
| 512.001.01 | 366 |
| 512.001.10 | 367 |
| 513 | 368 |
| 514 | 368 |
| 515 | 377, 380-381 |
| 515A | 379 |
| 516 | 377 |
| 517 | 376 |
| 521 | 352, 380-381 |
| 521.001 | 378 |
| 521A | 379 |
| 522 | 224 |
| 523 | 224 |
| 529 | 370 |
| 531 | 373 |
| 532 | 364 |
| 533 | 364 |
| 534 | 365 |
| 535 | 375 |
| 537 | 372 |
| 537.000.04 | 372 |
| 537.000.05 | 372 |
| 537.000.07 | 372 |
| 537.000.12 | 372 |
| 537.000.16 | 372 |
| 540 | 375 |
| 541 | 375, 379, 437, 441 |
| 542 | 375 |
| 543 | 369 |
| 550-PA01 | 387 |
| 550-PA02 | 387 |
| 550-PA03 | 387 |
| 550-PA04 | 387 |
| 550-PA05 | 387 |
| 550-PA06 | 387 |
| 550-PD01 | 386 |
| 550-PD02 | 386 |
| 550-PH11 | 386 |
| 550-PH85 | 386 |
| 550-PHSD | 386 |
| 550CSX | 389 |
| 550X | 388-389 |
| 551X | 390-391 |
| 552 | 392 |
| 552-0 | 392 |
| 552-001-05 | 392 |
| 552-115 | 395 |
| 552-5 | 393 |
| 552-501-06 | 393 |
| 552-508M | 394 |
| 552-CS | 395 |
| 552-GEL | 392 |
| 552-GUIDE | 393 |
| 552-M | 394 |
| 552-WAX | 392 |
| 55EX | 385 |
| 600.005.01 | 275 |
| 615.004.01 | 326-327 |
| 615.200D | 326 |
| 615.350C | 326 |
| 615.500B | 326 |
| 615.620A | 326 |
| 616.000.01 | 325 |
| 616.200 | 325 |
| 651 | 192, 441 |
| 652 | 192 |
| 652B | 197 |
| 653 | 193, 320 |
| 654 | 193 |
| 655 | 193 |
| 656 | 197 |
| 657.1 | 203 |
| 657.9 | 203 |
| 657B | 204 |
| 658 | 229 |
| 659 | 229 |
| 660 | 208 |
| 660.9 | 207 |
| 661.11 | 235 |
| 661.41 | 235 |
| 662 | 307 |
| 663.0 | 321 |
| 663.1 | 323 |
| 663.201 | 323 |
| 663.301 | 322 |
| 663.5 | 322 |
| 664 | 224 |
| 665 | 228 |
| 690 | 158~171 |
| 691 | 158~171 |
| 692 | 155-156, 441 |
| 693 | 155, 157, 441 |
| 694.001 | 138 |
| 694.002 | 142 |
| 694.003 | 144 |
| 694.004 | 145 |
| 694.005 | 141 |
| 694.007 | 146 |
| 694.008 | 147 |
| 694.009 | 148 |
| 694.011 | 149 |
| 694.012 | 150 |
| 694.013 | 151 |
| 694.014 | 154 |
| 694.015 | 152-153 |
| 694.017 | 143 |

| ORDER NO. | PAGE |
|---|---|
| 694.018 | 143 |
| 694.019 | 140 |
| 694.020 | 136 |
| 694.021 | 139 |
| 694.022 | 139 |
| 694.100 | 137 |
| 695 | 441 |
| 695.996 | 441 |
| 695.998 | 441 |
| 699 | 171 |
| 700.005.03 | 274 |
| 701 | 194 |
| 701B | 194 |
| 702 | 195 |
| 703 | 229 |
| 704 | 229 |
| 705 | 229 |
| 706 | 200-201 |
| 707 | 199, 202 |
| 709 | 199 |
| 710 | 199 |
| 711 | 188-189 |
| 711.031 | 198 |
| 711B | 196 |
| 712 | 187 |
| 712.030 | 198 |
| 712.040 | 198 |
| 712B | 196 |
| 713.001 | 198 |
| 714 | 231 |
| 714B | 231 |
| 715 | 226-227 |
| 715B | 226 |
| 716 | 205 |
| 716.060 | 205 |
| 716.061 | 205 |
| 718 | 222-223 |
| 718B | 222-223 |
| 721 | 198 |
| 722A | 212 |
| 724 | 213, 440 |
| 724.xxx.00 | 212 |
| 724.xxx.10 | 212 |
| 727 | 234 |
| 735 | 207 |
| 735.001 | 208 |
| 736 | 230 |
| 737 | 233 |
| 738 | 236-237, 258 |
| 739 | 235 |
| 740 | 240 |
| 741 | 240 |
| 742 | 199 |
| 743 | 199 |
| 744 | 240 |
| 745 | 240 |
| 746 | 241 |
| 747 | 241 |
| 748 | 239 |
| 748B | 239 |
| 749 | 225 |
| 750.0 | 209 |
| 751 | 225 |
| 751B | 225 |
| 753 | 205 |
| 754 | 244 |
| 755 | 217 |
| 758 | 227 |
| 759 | 241 |
| 760 | 241 |
| 761 | 244 |
| 762 | 245 |
| 763 | 234 |
| 764 | 234 |
| 765 | 238 |
| 765.1 | 239 |
| 765B | 238 |
| 790 | 172, 176-177 |
| 791 | 436 |
| 791.703 | 208 |
| 79101 | 283 |
| 792 | 174 |
| 793 | 173 |
| 795 | 175 |
| 796 | 171, 438-439 |
| 796.001 | 438 |
| 796.002 | 438 |
| 796.003 | 439 |
| 796.500 | 438 |
| 796.600 | 438 |
| 796.780 | 439 |
| 797 | 438 |
| 798 | 440 |
| 799 | 440 |
| 799.517 | 207 |
| 800.001 | 265 |
| 800.503 | 266 |
| 800.505 | 266 |
| 800.506 | 211 |
| 800.509 | 271 |
| 800.510 | 271 |
| 800.511 | 271 |
| 800.512 | 272 |
| 800.513 | 272 |
| 800.514 | 272 |
| 800.515 | 270 |
| 800.516 | 272 |
| 800.517 | 272 |
| 800.518 | 272 |
| 800.520 | 270 |
| 800.521 | 272 |
| 800.522 | 272 |
| 800.524 | 270 |
| 800.525 | 267 |
| 800.527 | 268 |
| 800.606 | 220 |
| 800.616 | 220 |
| 800.622 | 242 |
| 800.623 | 242 |
| 800.624 | 273 |
| 800.625 | 273 |
| 800.626 | 211 |
| 800.627 | 269 |
| 800.628 | 269 |
| 801 | 194 |
| 801B | 194 |
| 806 | 200-201 |
| 806B | 201, 204 |
| 807 | 202-203 |
| 809 | 199 |
| 811 | 188-189 |
| 811B | 196 |
| 812 | 187, 318 |
| 812.032 | 198 |
| 812B | 196 |
| 813 | 210 |
| 813.001 | 198 |
| 814 | 231-232 |
| 814B | 231 |
| 815 | 226-227 |
| 815B | 226 |
| 816 | 205 |
| 816.064 | 205 |
| 818 | 222-223 |
| 818B | 222-223 |
| 821 | 198 |
| 822 | 212 |
| 822.023B | 210 |
| 822.024B | 210 |
| 822.033B | 261 |
| 822.034 | 257 |
| 822A/B | 212 |
| 823 | 213 |
| 823.001 | 274 |
| 823.371 | 257 |
| 823B | 213 |
| 824 | 213, 440 |
| 824.xxx.00 | 212 |
| 824.xxx.10 | 212 |
| 827 | 234 |
| 835 | 207 |
| 835.501 | 208 |
| 835.502 | 208 |
| 835.503 | 206 |
| 836 | 230 |
| 837 | 233 |
| 838 | 236-237, 258 |
| 839 | 235 |
| 840 | 240 |
| 841 | 240 |
| 842 | 199 |
| 843 | 199 |
| 844 | 240 |
| 845 | 240 |
| 846 | 241 |
| 847 | 241 |
| 848 | 239 |
| 848B | 239 |
| 849 | 225 |
| 849B | 225 |
| 850.0 | 209 |
| 850.5 | 209 |
| 850.501.21 | 209 |
| 850.6 | 209 |
| 851 | 225 |
| 851B | 225 |
| 852 | 195 |
| 852B | 195 |
| 853 | 205 |
| 854 | 244 |
| 855 | 214, 217, 249 |
| 855.3 | 219 |
| 855.501 | 216 |
| 855.503 | 215 |
| 855.504 | 215 |
| 855.506 | 221 |
| 855.510 | 221 |
| 855.604 | 248 |
| 855.606 | 248 |
| 855.701 | 214 |
| 855.801 | 218 |
| 855.802 | 219 |
| 855.803 | 267 |
| 855.804 | 249 |
| 855.804B | 249 |
| 855.805 | 249 |
| 855.805B | 249 |
| 855.806 | 269 |
| 855.901 | 247 |
| 855.902 | 247 |
| 856.501 | 247 |
| 856.601 | 250 |
| 856.701 | 250 |
| 856.702 | 250 |
| 856.801 | 246 |
| 856.802 | 246 |
| 856.851 | 245 |
| 856.852 | 245 |
| 857 | 230 |
| 858 | 227 |
| 859 | 241 |
| 860 | 241 |
| 861 | 244 |
| 861.6 | 243 |
| 862 | 245 |
| 863 | 234 |
| 864 | 234 |
| 865 | 238 |
| 865.1 | 239 |
| 865.9 | 239 |
| 865B | 238 |
| 866.501 | 260 |
| 866.601 | 259 |
| 866.602 | 259 |
| 867.5B | 248 |
| 867.6B | 248 |
| 867.701 | 247 |
| 868 | 232 |
| 870 | 256 |
| 880.5 | 258 |
| 880.511 | 263 |
| 880.512 | 263 |
| 880.513 | 263 |
| 880.521 | 258 |
| 880.531 | 262 |
| 880.541 | 259 |
| 880.542 | 259 |
| 880.551 | 260 |
| 880.56 | 264 |
| 880.57 | 264 |
| 881.501 | 262 |
| 881.511 | 263 |
| 881.512 | 263 |
| 881.521 | 260 |
| 881.531 | 262 |
| 881.541 | 261 |
| 890 | 254 |
| 890.5 | 254 |
| 890.601 | 250 |
| 890.602 | 250 |
| 890.603 | 250 |
| 891 | 253 |
| 891.512 | 251 |
| 891.517 | 251 |
| 891.521 | 253 |
| 899.001 | 408 |
| 900.001 | 265 |
| 900.003 | 265 |
| 900.005.01 | 274 |
| 900.005.03 | 274 |
| 900.024 | 270 |
| 900.025 | 267 |
| 900.506 | 211 |
| 900.509 | 271 |
| 900.510 | 271 |
| 900.511 | 271 |
| 900.512 | 272 |
| 900.513 | 272 |
| 900.514 | 272 |
| 900.516 | 272 |
| 900.517 | 272 |
| 900.518 | 272 |
| 900.521 | 272 |
| 900.522 | 272 |
| 900.527 | 268 |
| 900.606 | 220 |
| 900.616 | 220 |
| 900.622 | 242 |
| 900.623 | 242 |
| 900.624 | 273 |
| 900.625 | 273 |
| 900.626 | 211 |
| 900.627 | 269 |
| 900.628 | 269 |
| 901 | 194 |
| 901B | 194 |
| 902 | 195 |
| 903 | 229 |
| 904 | 229 |
| 905 | 229 |
| 906 | 200-201 |
| 906B | 201, 204 |
| 907 | 199, 202-203 |
| 909 | 199 |
| 910 | 199 |
| 911 | 188-189 |
| 911B | 196 |
| 912 | 186-187, 318 |
| 912B | 196 |
| 913 | 210 |
| 914 | 231 |
| 914B | 231 |
| 915 | 226-227 |
| 915B | 226 |
| 916 | 205 |
| 918 | 222-223 |
| 921 | 198 |
| 922.033B | 261 |
| 922.034 | 257 |
| 922.035 | 257 |
| 922A | 212 |
| 922B | 212 |
| 923.001 | 274 |
| 923A | 213 |
| 924 | 213, 440 |
| 924.xxx.00 | 212 |
| 924.xxx.10 | 212 |
| 927 | 234 |
| 935 | 207 |
| 935.001 | 208 |
| 935.501 | 208 |
| 935.502 | 208 |
| 935.503 | 206 |
| 936 | 230 |
| 937 | 233 |
| 938 | 236-237, 258 |
| 939 | 235 |
| 940 | 240 |
| 941 | 240 |
| 944 | 240 |
| 945 | 240 |
| 946 | 241 |
| 947 | 241 |
| 949 | 225, 239 |
| 949B | 225, 239 |
| 950.0 | 209 |
| 950.1 | 209 |

# Numerical Index


| ORDER NO. | PAGE |
|---|---|
| 950.5 | 209 |
| 950.6 | 209 |
| 951 | 225 |
| 951B | 225 |
| 953 | 205 |
| 954 | 243-244 |
| 955 | 214, 217, 249 |
| 955.3 | 219 |
| 955.302 | 219 |
| 955.501 | 216 |
| 955.503 | 215 |
| 955.504 | 215 |
| 955.506 | 221 |
| 955.510 | 221 |
| 955.604 | 248 |
| 955.606 | 248 |
| 955.701 | 214 |
| 955.801 | 218 |
| 955.803 | 267 |
| 955.804 | 249 |
| 955.804B | 249 |
| 955.805 | 249 |
| 955.805B | 249 |
| 955.806 | 269 |
| 955.901 | 247 |
| 955.902 | 247 |
| 956.501 | 247 |
| 956.601 | 250 |
| 956.701 | 250 |
| 956.702 | 250 |
| 956.801 | 246 |
| 956.802 | 246 |
| 956.851 | 245 |
| 956.852 | 245 |
| 957 | 230 |
| 958 | 227 |
| 959 | 241 |
| 960 | 241 |
| 961 | 244 |
| 961.6 | 243 |
| 963 | 234 |
| 964 | 234 |
| 965 | 228, 238 |
| 965.1 | 239 |
| 965.9 | 239 |
| 965B | 238 |
| 966.501 | 260 |
| 966.601 | 259 |
| 966.602 | 259 |
| 967.5B | 248 |
| 967.6B | 248 |
| 967.701 | 247 |
| 968 | 232 |
| 970 | 256 |
| 980.5 | 258 |
| 980.511 | 263 |
| 980.512 | 263 |
| 980.513 | 263 |
| 980.521 | 258 |
| 980.531 | 262 |
| 980.541 | 259 |
| 980.542 | 259 |
| 980.551 | 260 |
| 980.56 | 264 |
| 980.57 | 264 |
| 981.501 | 262 |
| 981.511 | 263 |
| 981.512 | 263 |
| 981.521 | 260 |
| 981.531 | 262 |
| 981.541 | 261 |
| 990 | 254, 436-437 |
| 990.0 | 437 |
| 990.088 | 355 |
| 990.5 | 254 |
| 990.601 | 250 |
| 990.602 | 250 |
| 990.603 | 250 |
| 991 | 253, 437 |
| 991.012 | 251 |
| 991.183 | 292 |
| 991.184 | 292 |
| 991.283 | 292 |
| 991.284 | 292 |
| 991.285 | 292 |
| 991.517 | 251 |
| 991.521 | 253 |
| 992 | 286 |
| 992.183 | 291 |
| 992.238 | 291 |
| 992.383 | 291 |
| 992.583 | 291 |
| 993.0 | 289 |
| 995 | 292 |
| 998 | 423 |
| 999 | 402 |
| 999.110.00 | 400 |
| 999.500.01 | 401 |
| BAG-001 | 424 |
| BBS-001 | 422 |
| CDG-001 | 416 |
| CFC-002 | 416 |
| CHG-001 | 417 |
| CMT-TGA | 408 |
| CMT12 | 399 |
| CMT12-K1 | 399 |
| CMT300 | 410-411 |
| CMT333 | 412-413 |
| CMT333-325 | 414 |
| CMT334 | 414 |
| CMT335 | 415 |
| CMT620 | 410-411 |
| CMT650 | 406 |
| CMT792 | 173 |
| CMT7E | 398 |
| CMT7E-IND | 401 |
| CMT7E-PRO | 400 |
| CMT900 | 407 |
| DAF-001 | 419 |
| DAG-001 | 419 |
| DET-001 | 420 |
| DET-002 | 420 |
| DET-003 | 420 |
| DET-004 | 420 |
| DHG-001 | 418 |
| DMM-001 | 418 |
| DMS-001 | 417 |
| GLA | 424 |
| IMBALL0143 | 429 |
| JS001 | 109 |
| JS025 | 109 |
| JS1025VF | 105 |
| JS1110VF | 102 |
| JS1111DF | 101 |
| JS1111K | 100 |
| JS1113AWP-2 | 108 |
| JS1120CF | 105 |
| JS1122AF | 107 |
| JS1122BF | 106 |
| JS1122EF | 106 |
| JS1122HF | 103 |
| JS1122VF | 103 |
| JS1125VF | 105 |
| JS1141HM | 107 |
| JS1155CHM | 104 |
| JS1156XHM | 104 |
| JS1210VF | 102 |
| JS1211K | 109 |
| JS1213AWP | 108 |
| JS1222VF | 103 |
| JS1225VF | 106 |
| JS123XF | 105 |
| JS1241HM | 107 |
| JS1243HM | 108 |
| JS1255CHM | 104 |
| JS1411DF | 101 |
| JS1531L | 100 |
| JS1617K | 100 |
| JS2013AWP | 108 |
| JS2243HM | 108 |
| JS2345X | 100 |
| JS3456XF | 102 |
| JS5678XF | 102 |
| JS610VF | 101 |
| JS611DF | 101 |
| JS617K | 100 |
| JS641HM | 107 |
| JS644D | 100 |
| JS711DF | 101 |
| JS725VFR | 102 |
| JS920CF | 105 |
| JS922AF | 107 |
| JS922BF | 106 |
| JS922EF | 106 |
| JS922HF | 103 |
| JS922VF | 103 |
| JS925VF | 105 |
| JS955CHM | 104 |
| JS956XHM | 104 |
| JT016 | 95 |
| JT101AO | 92 |
| JT101B | 92 |
| JT101BIF | 93 |
| JT101BR | 92 |
| JT101D | 92 |
| JT111C | 91 |
| JT118A | 94 |
| JT118B | 94 |
| JT119BO | 91 |
| JT123X | 94 |
| JT127D | 94 |
| JT128BHM | 93 |
| JT141HM | 95 |
| JT144D | 91 |
| JT144DHM | 91 |
| JT150RF | 95 |
| JT218A | 94 |
| JT234X | 93 |
| JT244D | 91 |
| JT244DDC | 91 |
| JT301CD | 93 |
| JT308BFP | 93 |
| JT313AW | 95 |
| JT318VF | 93 |
| JT341HM | 95 |
| JT344D | 92 |
| JT367XHM | 95 |
| JT718BF | 94 |
| JT744D | 92 |
| K | 52-53 |
| K174 | 277 |
| K900-005-01 | 283 |
| K900-005-02 | 283 |
| K906 | 278 |
| K911 | 277 |
| K911B | 278 |
| K912 | 277 |
| K914 | 278 |
| K915 | 279 |
| K918 | 280 |
| K922 | 280 |
| K927 | 281 |
| K935 | 281 |
| K936 | 280 |
| K937 | 281 |
| K938 | 282 |
| K940 | 282 |
| K941 | 282 |
| K950 | 279 |
| K955 | 283 |
| K958 | 279 |
| K965 | 279 |
| OMA30 | 124 |
| OMA30000 | 124 |
| OMA31 | 125 |
| OMF-X4 | 124 |
| OMF001 | 121 |
| OMF002 | 121 |
| OMF053 | 116 |
| OMF106 | 116 |
| OMF113 | 114 |
| OMF114 | 121 |
| OMF118 | 120 |
| OMF125 | 120 |
| OMF126 | 114 |
| OMF133 | 114 |
| OMF136 | 124 |
| OMF157 | 120 |
| OMF160 | 117 |
| OMF165 | 123 |
| OMF183 | 117 |
| OMF184 | 117 |
| OMF201 | 122 |
| OMF205 | 115 |
| OMF223 | 118 |
| OMF226 | 123 |
| OMF228 | 118 |
| OMF229 | 116 |
| OMF230 | 115 |
| OMF232 | 115 |
| OMF235 | 118 |
| OMF236 | 119 |
| OMF237 | 119 |
| OMF238 | 119 |
| OMF239 | 123 |
| OMF243 | 122 |
| OMF251 | 122 |
| OMM-X33 | 134 |
| OMM-X37 | 134 |
| OMM-X4 | 134 |
| OMM01 | 126 |
| OMM02 | 126 |
| OMM03 | 126 |
| OMM04 | 126 |
| OMM05 | 127 |
| OMM06 | 127 |
| OMM07 | 127 |
| OMM08 | 128 |
| OMM09 | 128 |
| OMM10 | 128 |
| OMM11 | 128 |
| OMM12 | 129 |
| OMM13 | 129 |
| OMM14 | 129 |
| OMM15 | 130 |
| OMM16 | 130 |
| OMM17 | 130 |
| OMM18 | 130 |
| OMM19 | 131 |
| OMM20 | 131 |
| OMM21 | 131 |
| OMM22 | 131 |
| OMM23 | 132 |
| OMM24 | 132 |
| OMM25 | 132 |
| OMM26 | 132 |
| OMM27 | 132 |
| OMM28 | 132 |
| OMM29 | 132 |
| OMM30 | 132 |
| OMM35 | 129 |
| OMM36 | 127 |
| OMS01 | 126 |
| OMS02 | 126 |
| OMS03 | 126 |
| OMS04 | 126 |
| OMS05 | 127 |
| OMS06 | 127 |
| OMS07 | 127 |
| OMS08 | 128 |
| OMS09 | 128 |
| OMS10 | 128 |
| OMS11 | 128 |
| OMS12 | 129 |
| OMS13 | 129 |
| OMS15 | 130 |
| OMS16 | 130 |
| OMS17 | 130 |
| OMS18 | 130 |
| OMS19 | 131 |
| OMS20 | 131 |
| OMS21 | 131 |
| OMS22 | 131 |
| OMS23 | 132 |
| OMS24 | 132 |
| OMS29 | 132 |
| OMS30 | 132 |
| OMS35 | 129 |
| PCL-1 | 424 |
| PCL-2 | 424 |
| PCL-3D | 425 |
| PGC | 404 |
| PGD-1 | 405 |
| PNL-001 | 271 |
| PPJ-002 | 403 |
| PTC-1 | 402 |
| TMP | 409 |
| TMP-R12 | 409 |
| TW-006 | 421 |
| TW-200 | 421 |

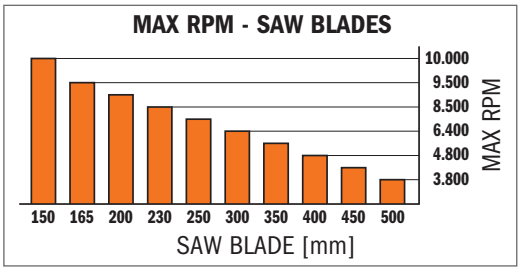
# Conversion Table

| INCH DECIMALS | INCH FRACTIONS (x) | | | | | | MILLIMETERS | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1/64 | 1/32 | 1/16 | 1/8 | 1/4 | 1/2 | mm | 1" + (x) | 2" + (x) | 3" + (x) | 4" + (x) | 5" + (x) |
| | | | | | | | | 25.400 | 50.800 | 76.200 | 101.600 | 127.000 |
| 0.015625 | 1/64 | | | | | | 0.397 | 25.797 | 51.197 | 76.597 | 101.997 | 127.397 |
| 0.031250 | | 1/32 | | | | | 0.794 | 26.194 | 51.595 | 76.994 | 102.394 | 127.794 |
| 0.046875 | 3/64 | | | | | | 1.191 | 26.591 | 51.991 | 77.391 | 102.791 | 128.191 |
| 0.062500 | | | 1/16 | | | | 1.588 | 26.988 | 52.388 | 77.788 | 103.188 | 128.588 |
| 0.078125 | 5/64 | | | | | | 1.984 | 27.384 | 52.784 | 78.184 | 103.584 | 128.984 |
| 0.093750 | | 3/32 | | | | | 2.381 | 27.781 | 53.181 | 78.581 | 103.981 | 129.381 |
| 0.109375 | 7/64 | | | | | | 2.778 | 28.178 | 53.578 | 78.978 | 104.378 | 129.778 |
| 0.125000 | | | | 1/8 | | | 3.175 | 28.575 | 53.975 | 79.375 | 104.775 | 130.175 |
| 0.140625 | 9/64 | | | | | | 3.572 | 28.972 | 54.372 | 79.772 | 105.172 | 130.572 |
| 0.156250 | | 5/32 | | | | | 3.969 | 29.369 | 54.769 | 80.169 | 105.569 | 130.969 |
| 0.171875 | 11/64 | | | | | | 4.366 | 29.766 | 55.166 | 80.568 | 105.966 | 131.366 |
| 0.187500 | | | 3/16 | | | | 4.762 | 30.162 | 55.562 | 80.962 | 106.362 | 131.762 |
| 0.203125 | 13/64 | | | | | | 5.159 | 30.559 | 55.959 | 81.359 | 106.759 | 132.159 |
| 0.218750 | | 7/32 | | | | | 5.556 | 30.956 | 56.356 | 81.756 | 107.156 | 132.556 |
| 0.234375 | 15/64 | | | | | | 5.953 | 31.353 | 56.753 | 82.153 | 107.553 | 132.953 |
| 0.250000 | | | | | 1/4 | | 6.350 | 31.750 | 57.150 | 82.550 | 107.950 | 133.350 |
| 0.265625 | 17/64 | | | | | | 6.747 | 32.147 | 57.547 | 82.947 | 108.347 | 133.747 |
| 0.281250 | | 9/32 | | | | | 7.144 | 32.544 | 57.944 | 83.344 | 108.744 | 134.144 |
| 0.296875 | 19/64 | | | | | | 7.541 | 32.941 | 58.341 | 83.741 | 109.141 | 134.541 |
| 0.312500 | | | 5/16 | | | | 7.938 | 33.338 | 58.738 | 84.138 | 109.538 | 134.938 |
| 0.328125 | 21/64 | | | | | | 8.334 | 33.734 | 59.134 | 84.534 | 109.934 | 135.334 |
| 0.343750 | | 11/32 | | | | | 8.731 | 34.131 | 59.531 | 84.931 | 110.331 | 135.731 |
| 0.359375 | 23/64 | | | | | | 9.128 | 34.528 | 59.928 | 85.328 | 110.728 | 136.128 |
| 0.375000 | | | | 3/8 | | | 9.526 | 34.925 | 60.325 | 85.725 | 111.125 | 136.525 |
| 0.390625 | 25/64 | | | | | | 9.922 | 35.322 | 60.722 | 86.122 | 111.522 | 136.922 |
| 0.406250 | | 13/32 | | | | | 10.319 | 35.719 | 61.119 | 86.519 | 111.919 | 137.319 |
| 0.421875 | 27/64 | | | | | | 10.716 | 36.116 | 61.516 | 86.916 | 112.316 | 137.716 |
| 0.437500 | | | 7/16 | | | | 11.112 | 36.512 | 61.912 | 87.312 | 112.712 | 138.112 |
| 0.453125 | 29/64 | | | | | | 11.509 | 36.909 | 62.309 | 87.709 | 113.109 | 138.509 |
| 0.468750 | | 15/32 | | | | | 11.906 | 37.306 | 62.706 | 88.106 | 113.506 | 138.906 |
| 0.484375 | 31/64 | | | | | | 12.303 | 37.703 | 63.103 | 88.503 | 113.903 | 139.303 |
| 0.500000 | | | | | | 1/2 | 12.700 | 38.100 | 63.500 | 88.900 | 114.300 | 139.700 |
| 0.515625 | 33/64 | | | | | | 13.097 | 38.497 | 63.897 | 89.297 | 114.697 | 140.097 |
| 0.531250 | | 17/32 | | | | | 13.494 | 38.894 | 64.294 | 89.694 | 115.094 | 140.494 |
| 0.546875 | 35/64 | | | | | | 13.891 | 39.291 | 64.691 | 90.091 | 115.491 | 140.891 |
| 0.562500 | | | 9/16 | | | | 14.288 | 39.688 | 65.088 | 90.488 | 115.888 | 141.288 |
| 0.578125 | 37/64 | | | | | | 14.684 | 40.084 | 65.484 | 90.884 | 116.284 | 141.684 |
| 0.593750 | | 19/32 | | | | | 15.081 | 40.481 | 65.881 | 91.281 | 116.681 | 142.081 |
| 0.609375 | 39/64 | | | | | | 15.478 | 40.878 | 66.278 | 91.678 | 117.078 | 142.478 |
| 0.625000 | | | | 5/8 | | | 15.875 | 41.275 | 66.675 | 92.075 | 117.475 | 142.875 |
| 0.640625 | 41/64 | | | | | | 16.272 | 41.672 | 67.072 | 92.472 | 117.872 | 143.272 |
| 0.656250 | | 21/32 | | | | | 16.669 | 42.069 | 67.469 | 92.869 | 118.269 | 143.669 |
| 0.671875 | 43/64 | | | | | | 17.066 | 42.466 | 67.866 | 93.266 | 118.666 | 144.066 |
| 0.687500 | | | 11/16 | | | | 17.462 | 42.862 | 68.262 | 93.662 | 119.062 | 144.462 |
| 0.703125 | 45/64 | | | | | | 17.859 | 43.259 | 68.659 | 94.059 | 119.459 | 144.859 |
| 0.718750 | | 23/32 | | | | | 18.256 | 43.656 | 69.056 | 94.456 | 119.856 | 145.256 |
| 0.734375 | 47/64 | | | | | | 18.653 | 44.053 | 69.453 | 94.855 | 120.253 | 145.653 |
| 0.750000 | | | | | 3/4 | | 19.050 | 44.450 | 69.850 | 95.250 | 120.650 | 146.050 |
| 0.765625 | 49/64 | | | | | | 19.447 | 44.847 | 70.247 | 95.647 | 121.047 | 146.447 |
| 0.781250 | | 25/32 | | | | | 19.844 | 45.244 | 70.644 | 96.044 | 121.444 | 146.844 |
| 0.796875 | 51/64 | | | | | | 20.241 | 45.641 | 71.041 | 96.441 | 121.841 | 147.241 |
| 0.812500 | | | 13/16 | | | | 20.638 | 46.038 | 71.438 | 96.838 | 122.238 | 147.638 |
| 0.828125 | 53/64 | | | | | | 21.034 | 46.434 | 71.834 | 97.234 | 122.634 | 148.034 |
| 0.843750 | | 27/32 | | | | | 21.431 | 46.831 | 72.231 | 97.631 | 123.031 | 148.431 |
| 0.859375 | 55/64 | | | | | | 21.828 | 47.228 | 72.628 | 98.028 | 123.428 | 148.828 |
| 0.875000 | | | | 7/8 | | | 22.225 | 47.625 | 73.025 | 98.425 | 123.825 | 149.225 |
| 0.890625 | 57/64 | | | | | | 22.622 | 48.022 | 73.422 | 98.822 | 124.222 | 149.622 |
| 0.906250 | | 29/32 | | | | | 23.019 | 48.419 | 73.819 | 99.219 | 124.619 | 150.019 |
| 0.921875 | 59/64 | | | | | | 23.416 | 48.816 | 74.216 | 99.616 | 125.016 | 150.416 |
| 0.937500 | | | 15/16 | | | | 23.812 | 49.212 | 74.612 | 100.012 | 125.412 | 150.812 |
| 0.953125 | 61/64 | | | | | | 24.209 | 49.609 | 75.009 | 101.409 | 126.809 | 152.209 |
| 0.968750 | | 31/32 | | | | | 24.606 | 50.000 | 75.406 | 100.806 | 126.206 | 151.606 |
| 0.984375 | 63/64 | | | | | | 25.003 | 50.403 | 75.803 | 101.203 | 126.603 | 152.003 |

## SAW BLADES SAFETY

**WARNING! WEAR PROTECTIVE GLOVES WHEN HANDLING AND REMOVING THE TOOL FROM ITS PACKAGING.**
Before using the tool, carefully read ALL safety recommendations available on our website www.cmtorangetools.com (or scan the QR code at the bottom of this page).
The following list of safety recommendations is only a partial list:

- Carefully read the machine manufacturer's manual and the relative instructions for use and safety before operating the tool.
- Ensure to fully comply with the safety regulations applicable in your country and with the pictograms on the packaging.
- NEVER operate a tool on a machine that is not equipped with the required safety devices.
- Ensure the machine is disconnected from the power supply before replacing, tightening, adjusting, or cleaning the tool.
- NEVER use a damaged, defective (or suspected defective), incomplete, excessively worn, or poorly sharpened tool.
- Always wear appropriate personal protective equipment (protective gloves, safety glasses, hearing protection, dust mask, slip-resistant safety shoes, safety helmet) during operation.
- If necessary, use the reduction ring included with the blade and, in any case, use only CMT reduction rings. The thickness of the rings must always be less than the main blade body thickness.
- Ensure that the flanges to secure the blade, which must be of equal diameter, are at least 1/3 the blade diameter and are parallel to each other.
- Do not exceed the maximum RPM (MAX RPM) specified, as it varies depending on the diameter and application.
- Resharpening must only be performed by a qualified and competent sharpening service center. Resharpened angles must match the original geometry of the manufacturer and therefore be compliant with all required safety regulations.

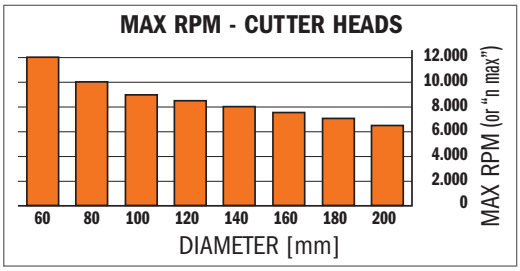



For specific RPM, follow marking on the tool/packaging.

## CUTTER HEADS SAFETY

**WARNING! WEAR PROTECTIVE GLOVES WHEN HANDLING AND REMOVING THE TOOL FROM ITS PACKAGING.**
Before using the tool, carefully read ALL safety recommendations available on our website www.cmtorangetools.com (or scan the QR code at the bottom of this page).
The following list of safety recommendations is only a partial list:

- Carefully read the machine manufacturer's manual and the relative instructions for use and safety before operating the tool.
- Ensure to fully comply with the safety regulations applicable in your country and with the pictograms on the packaging.
- NEVER operate a tool on a machine that is not equipped with the required safety devices.
- Ensure the machine is disconnected from the power supply before replacing, tightening, adjusting, or cleaning the tool.
- NEVER use a damaged, defective (or suspected defective), incomplete, excessively worn, or poorly sharpened tool.
- Always wear appropriate personal protective equipment (protective gloves, safety glasses, hearing protection, dust mask, slip-resistant safety shoes, safety helmet) during operation.
- Ensure that insert knives or movable parts are tightened and assembled correctly before use. If replacing/reversing them, only use the original screws supplied by the manufacturer.
- Ensure the tool is correctly installed, securely tightened, and aligned respecting the proper direction of rotation or direction. The cutting edges must not come into contact with each other or with any clamping components and should move freely without any obstructions.
- Follow the markings on the tool indicating the type of feed (MAN for manual or MEC for mechanical).
- Do not exceed the maximum RPM (MAX RPM) specified, as it varies depending on the diameter and application.

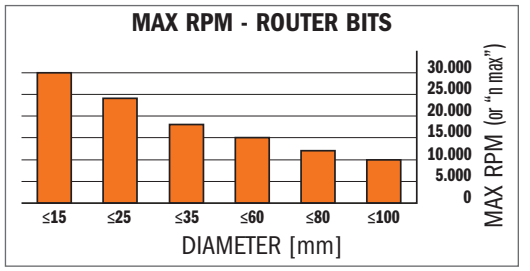



For specific RPM, follow marking on the tool/packaging.

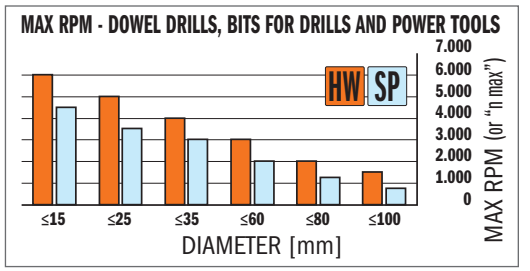
## ROUTER BITS, DOWEL DRILLS, BITS FOR DRILLS AND POWER TOOLS SAFETY

**WARNING! WEAR PROTECTIVE GLOVES WHEN HANDLING AND REMOVING THE TOOL FROM ITS PACKAGING. REMOVE ALL PACKAGING MATERIALS, INCLUDING PROTECTIVE PLASTIC ELEMENTS, FROM THE TOOL SHANK BEFORE USE.**
Before using the tool, carefully read ALL safety recommendations available on our website www.cmtorangetools.com (or scan the QR code at the bottom of this page).
The following list of safety recommendations is only a partial list:

- Carefully read the machine manufacturer's manual and the relative instructions for use and safety before operating the tool.
- Ensure to fully comply with the safety regulations applicable in your country and with the pictograms on the packaging.
- NEVER operate a tool on a machine that is not equipped with the required safety devices.
- Ensure the machine is disconnected from the power supply before replacing, tightening, adjusting, or cleaning the tool.
- NEVER use a damaged, defective (or suspected defective), incomplete, excessively worn, or poorly sharpened tool.
- Always wear appropriate personal protective equipment (protective gloves, safety glasses, hearing protection, dust mask, slip-resistant safety shoes, safety helmet) during operation.
- Insert the tool into the collet according to the minimum clamping length marked on the shank or as per EN 847: S ≤ 10mm: Collet insertion ≥ 20mm; 10 < S < 25mm: Collet insertion ≥ 2 × S. Leave a minimum gap between the tool's end and the collet bottom.
- Ensure that insert knives or movable parts are tightened and assembled correctly before use. If replacing/reversing them, only use the original screws supplied by the manufacturer.
- Do not exceed the maximum RPM (MAX RPM) specified, as it varies depending on the diameter and application.
- Resharpening must only be performed by a qualified and competent sharpening service center. Resharpened angles must match the original geometry of the manufacturer and therefore be compliant with all required safety regulations.




For specific RPM, follow marking on the tool/packaging.




For specific RPM, follow marking on the tool/packaging.

**BEFORE USING ANY TOOL, PLEASE CAREFULLY READ ALL SAFETY RECOMMENDATIONS.**

**SCAN THIS QR CODE TO ACCESS THE "SAFETY AND RECYCLE" SECTION OF OUR WEBSITE, WHERE YOU'LL FIND:**
**· ALL THE SAFETY RECOMMENDATIONS FOR USING OUR TOOLS.**
**· RECYCLING GUIDELINES FOR PACKAGING.**
**BY CLICKING ON THE CORRESPONDING TOOL CATEGORY, YOU WILL FIND THE RECOMMENDATIONS IN 12 LANGUAGES.**

# Explanation of Symbols

| | | | |
|---|---|---|---|
| HW TUNGSTEN CARBIDE TIPPED | HWM SOLID TUNGSTEN CARBIDE | INSERT CARBIDE INSERT CARBIDE | CARBIDE GRIT CARBIDE GRIT |
| PCD DP POLYCRYSTALLINE DIAMOND | GRIT DIAMOND GRIT | | |
| INOX INOX | HSS HSS HIGH SPEED STEEL (HS) | HPS HIGH PERFORMANCE STEEL | HCS HIGH CARBON STEEL |
| SP ALLOYED TOOL STEEL | BIM 8% Co BIMETAL WITH 8% COBALT | BIM TiN BIMETAL WITH 8% COBALT + TIN COATED TEETH | |
| Z1 ONE CUTTING EDGE | Z2 TWO CUTTING EDGES | Z3 THREE CUTTING EDGES | Z3R THREE CUTTING EDGES WITH CHIPBREAKER |
| Z4 FOUR CUTTING EDGES | Z4R FOUR CUTTING EDGES WITH CHIPBREAKER | Z6 SIX CUTTING EDGES | Z12 TWELVE CUTTING EDGES |
| Z1+1 ONE + ONE CUTTING EDGES | Z2+1 TWO + ONE CUTTING EDGES | Z2+2 TWO + TWO CUTTING EDGES | Z3+3 THREE + THREE CUTTING EDGES |
| Z4+4 FOUR + FOUR CUTTING EDGES | Z6+3 SIX + THREE CUTTING EDGES | V1 ONE SPUR | V2 TWO SPUR |
| V4 FOUR SPUR | RH RIGHT-HAND ROTATION | LH LEFT-HAND ROTATION | LH RH RIGHT-HAND & LEFT-HAND ROTATION |
| ANTIKICK-BACK | RADIAL RELIEF | TOOL WITH PLUNGING CAPACITY | TOOL WITH BEARING |
| UP UPCUT BIT | DOWN DOWNCUT BIT | UP DOWN UPCUT & DOWNCUT BIT | AXIAL ANGLE |
| MEC MECHANICAL FEED | MAN MANUAL FEED | FLUSH TRIMMING | GROOVING, SIZING |
| REBATING, PROFILING, BEVELING | SLOOTING | SPIRAL BORING | AVOID AXIAL PLUNGING |
| NOT FOR HAND HELD USE FOR ROUTER TABLE ONLY | SP 0.015 STANDARD PRECISION RUN-OUT 0.015 | HP 0.005 HIGH PRECISION RUN-OUT 0.005 | ANTIKICK-BACK |
| ORANGE CHROME CORROSION FREE CHROME SHIELD COATING ORANGE CHROME® & CHROME SHIELD | NON-STICK ORANGE SHIELD COATING NON-STICK ORANGE SHIELD COATING® | CORROSION FREE NICKEL COATING NICKEL COATING | EXTRA HARD DLCS CHROME COATING DLCS CHROME COATING |
| CORROSION FREE VAPO HEAT TREATMENT | CORROSION FREE TiCN COATING TICN COATING | SAW BLADE WITH DAMPENING SLOTS WITH FILL | SAW BLADE WITH DAMPENING SLOTS WITHOUT FILL |
| CARDBOARD BOX FOR SAW BLADES | CLAMSHELL CARRY CASE FOR SAW BLADES | PLASTIC CARRY CASE FOR SAW BLADES | PLASTIC BOX FOR CUTTER HEAD |
| LONG LIFE EXTRA LONG LIFE LONG LIFE & EXTRA LONG LIFE | 2X CUTTING 4X CUTTING 2X/4X CUTTING EDGE | 3X LONGER LIFE THAN UNCOATED 3X LONGER LIFE THAN UNCOATED | 40X 50X 60X LONGER LIFE THAN CARBIDE 40X/50X/60X LONGER LIFE THAN CARBIDE |
| WEAR FIVE FINGER GLOVES | WEAR SAFETY GLASSES | WEAR EAR PROTECTION | WEAR DUST MASK |
| WEAR SAFETY SHOES | WEAR SAFETY HELMET | WARNING | |

# Conditions of trading

**PREMISE** **C.M.T**. products are the result of technological innovation achieved through continuous research applied on a vast scale. Drawings, technical data, photos of the products and packaging are supplied for the sole purpose of informing the customer and are not binding in any manner. **C.M.T.** may undertake, when necessary, modifications and improvements without applying these innovations to the parts already supplied. The operational tolerances conform to technical standards that are acceptable for this range of tools.

**ACCEPTANCE OF THE CONTRACT** All orders for our products are meant to be accepted at the price and sale conditions that are legally in force at the date of delivery.
Every order will be treated and supplied according to the following general sale conditions. By placing an order or accepting an offer, the customer accepts, without any reservations, all conditions expressly mentioned hereafter.
Any other derogation will only be accepted upon written consent by **C.M.T.** All other cases not contained within these conditions will fall under the Italian Civil Code.
Offers and order confirmations will be processed according to stock availability. Any order, even those taken by our representative agents, will be subject to our acceptance, which could also be a partial one.
We will notify the acceptance of any order by an order confirmation in which we will indicate all details pertaining to the items purchased, their price and expected delivery date. Therefore, we will not be able to accept any modification after three working days from the date of receipt.

**MINIMUM AMOUNT ACCEPTABLE** **C.M.T.** will only be able to accept and process orders for a minimum net amount of €100,00.
In case of acceptance of the order, we will add €15,00 for shipping and handling.

**PRICES** The prices stated in **C.M.T.'s** quotation and price lists are gross and are intended to be "ex-works".
Prices and VAT will be those in force at the date of shipping. To the best of our knowledge, the prices indicated in our catalogues, price lists and order confirmations are correct. However, **C.M.T.** cannot be held legally liable for reserving the right to change prices without notification in line with the manufacturer's cost increases.

**DELIVERY** Delivery dates in the order confirmation are given as an indication of the estimated delivery time. They have to be considered as reliable only in case of normal operating conditions, and there shall be no liability on the part of the Seller for any failure to deliver due to causes beyond the Seller's control. **C.M.T.** will also not be able to accept any cancellation of existing orders which were not delivered in time due to external impediments.
Standard products will be shipped within five working days from receipt of the order.

**SHIPPING AND HANDLING** The packing of our products will be charged on the final invoice, while shipping is "ex-works" from our factory at Chiusa di Ginestreto (Pesaro).
All products supplied by C.M.T. travel at the customer's own risk.
**C.M.T.** retains the right to charge freight costs on the invoice in case of value under the minimum amount acceptable of €100,00.
**C.M.T.** will not be held responsible for any damage, theft or tampering that might occur during transport, and for which the forwarder will be legally liable according to article 1693 of the Civil Code. The customer, for his part, will have to check the goods at the moment of receipt and, in case any anomaly or damage is found, he will have to apply for a refund to be addressed to the forwarder.

**PAYMENT** Cash payments can only be accepted for purchases done directly at the **C.M.T.** factory located in Chiusa di Ginestreto (Pesaro) in accordance with article 1182, sub-section 3 of the Civil Code, or upon delivery of the goods provided there is a written agreement between the parties.
Deferred methods of payment will have to be previously agreed with the Seller. In this case, if one or more instalments are not paid, the agreement will automatically expire according to article 1186 of the Civil Code.
A delay in payment, even partial, will automatically incur interest in the amount of an extra 5% to be charged to the customer's account.
In case of non payment, **C.M.T.** reserves the right to suspend any further supply of its products.

**WARRANTY** All professional tools by **C.M.T.** are manufactured according to high standards of technology and are therefore warranted against any possible defect. This warranty does not cover damage or tampering which can be ascribed to inappropriate use. It is also not applicable for tools that have been re-sharpened.
This warranty does not cover the possible injuries resulting from inappropriate use of defective tools.
**C.M.T.**will repair or replace any goods which the buyer shall prove to have been defective in material or workmanship upon analysis by its technical department. Any complaint must be communicated within fifteen days from receipt of the goods together with a written form in which the customer provides a detailed description of the defect.Any return of tools will only be accepted upon authorisation by **C.M.T.** and the freight will be at the customer's own expense.

**CMT DEFECTIVE TOOLING OR SHIPPING ERROR RETURN POLICY** CMT accepts the return of tools that are defective or have been shipped in error. All returned tools require proof of purchase, prior approval from a CMT Manager and a return authorization number, issued by C.M.T. UTENSILI SPA, PRIOR to returning.
**10% restocking fee:** If tooling is in like new condition (no damage to packaging or tooling, restrictions or other terms may apply).
**Shipping:** Returning dealer is responsible for all cost associated to shipping product back to CMT.

**OWNERSHIP RIGHTS** All rights are reserved in accordance with Italian law and with international agreements, and the whole or any part of this catalogue may not be reproduced in any way or form.

**PLACE OF JURISDICTION** For any legal matter the place of jurisdiction is Pesaro.
All contracts, even those made with foreign Buyers or for goods to be sent abroad, are regulated by Italian legislation.


® CMT, the CMT logo and the orange color applied to tool surfaces are trademarks of C.M.T. UTENSILI S.P.A.

**© C.M.T. UTENSILI S.P.A.**

Any other brand names mentioned in CMT product catalogues and on the CMT website are the property of their respective owners.

ADLER®
AEG®
ALBERTI®
ALTENDORF®
ALUCOBOND®
ANUBA®
AVONITE®
AYEN®
BALESTRINI®
BIESSE®
BILEK®
BISCO®
BLACK & DECKER®
BLUM®
BOSCH®
BUSELLATO®
CAPTO®
CASALS®
CERATIZIT®
CHICAGO ®
CMS®
CLAMEX®
CORIAN®
COROPLAST®
CRAFTSMAN®
CREMONESI®
DELRIN®
DENSIMET®
DEWALT®
DIBOND®
DIVARIO®
DOMINO®
DREMEL®
DURALUMIN®
DUROPLAST®
EIMA®
EINHELL®
ELU®
ETERNIT®
ETHAFOAM®
FATIGUE-PROOF®
FEIN®
FELDER®
FELISATTI®
FERMACELL®
FESTOOL®
FLEX®
FORMICA®
FOUNTAINHEAD®
FREUD®
GIBRALTAR®
GRASS®
GRIGGIO®
HÄFELE®
HAFFNER®
HARDIEPANEL®
HARDIEPLANK®
HETTICH®
HILTI®
HITACHI®
HOFFMANN®
HOLZ-HER®
HOLZMA®
HOMAG®
HPS®
HUNDEGGER®
IMA®
IVARPLANK®
KNOEVENAGEL®
KRESS®
LAMELLO®
LEGNA®
LEUCO® P-SYSTEM
LEXAN®
MAFELL®
MAGGI®
MAKITA®
MASTERCRAFT®
MASTERWOOD®
MAYER®
MEPLA®
METABO®
MILWAUKEE®
MINI SPOT®
MORBIDELLI®
MULTIMASTER®
MULTITALENT®
NOTTMEYER®
NUOVA BULLERI BREVETTI®
OKITE®
OMLAT®
OZITO®
P-SYSTEM®
PALFOAM™
PERLES®
PEUGEOT®
PLEXIGLASS®
POLYLAM®
PORTER CABLE®
PROXXON®
RIDGID®
ROCKWELL®
ROTHENBERGER®
RYOBI®
SALICE®
SCHEER®
SCHLEICHER®
SCM®
SILESTONE®
SKIL®
SMART®
STARLOCK®
STARLOCKMAX®
STARLOCKPLUS®
STAYER®
STRIPLOX®
SURELL®
SWISSPEARL®
TENSO®
TERSA®
TORWEGGE®
TORX®
TRESPA®
VECTURO®
VELCRO®
VIRUTEX®
VITAP®
WEEKE®
WEGOMA®
WILSONART®
WOOD®
WORX®
WÜRTH®
ZETA P®

This document has been sent for your personal use only.
All usage and reproduction is forbidden without written permission from C.M.T. UTENSILI S.P.A.

www.cmtorangetools.com

CMT ORANGE TOOLS®

**C.M.T. UTENSILI S.p.A.**

Via della Meccanica, sn
61122 Pesaro (PU) - Italia

Tel. +39 0721 48571
Fax +39 0721 481021

info@cmtorangetools.com

Download
this Catalogue

8 019296 020434

03.60.3006 15K0326