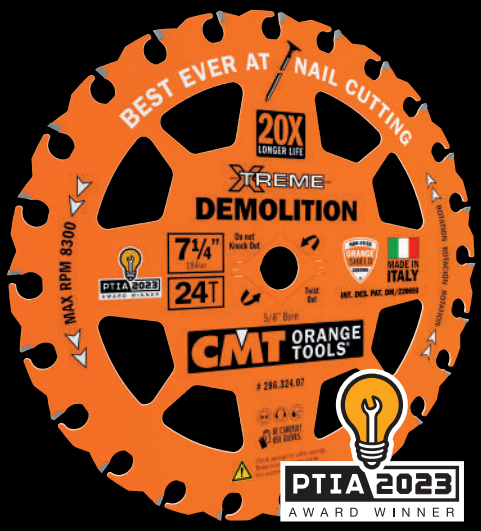
CMT ORANGE TOOLS®

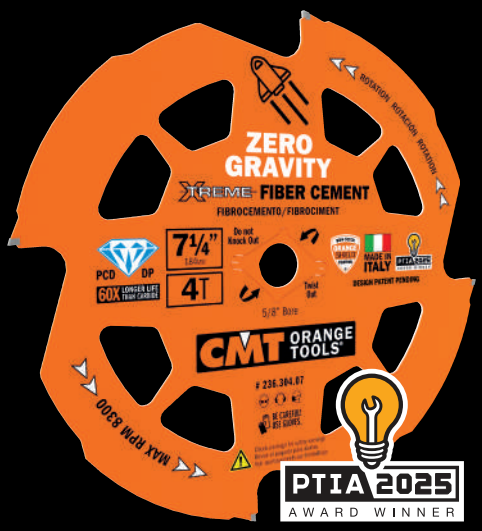
CATALOG 2026
USA/CAN EDITION



286.324.07
DEMOLITION BLADE WINNER



250.324.07
FRAMING BLADE WINNER



236.304.07
FIBER CEMENT BLADE WINNER



PTIA 2024 AWARD WINNER

806.690.41B
SUPER-DUTY BIT WINNER



256.050.10
COMBINATION BLADE WINNER



230.312.08
DADO PRO BLADE WINNER



230.324.08
PRECISION DADO BLADE WINNER

BUILT TO WIN. DRIVEN BY INNOVATION.

7 Pro Tool Innovation Awards in 3 years.

Blade & Chart Abbreviations

BLADE CHART ABBREVIATIONS

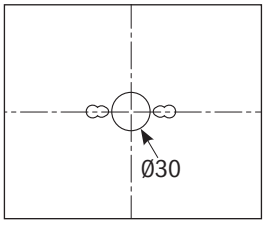
B = Bore Diameter
D = Diameter
K = Kerf Thickness
P = Plate Thickness
PH = Pin Hole
PITCH T = (D*3.14)/Z
RPM = Round per Minute
T = N° of Teeth
V = N° of Rakers

α = Hook Angle
β = Type 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 Tooth Configuration
- **MATB** = Alternate Top Bevel with Chamfer Grind
- **MFLAT** = Flat Top Grind with Chamfer
- **MTCG** = Triple Chip Grind (Trapezoidal) with Chamfer
- **TCG** = Triple Chip Grind (Trapezoidal)

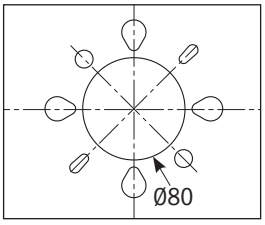
CHART ABBREVIATIONS

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

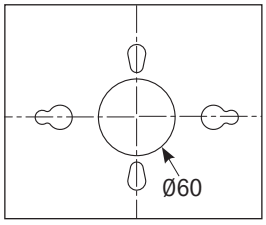
= Dispatch Package Qty.



COMBI3
2/7/42mm
2/9/46.4mm
2/10/60mm



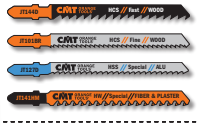
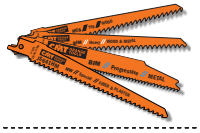
COMBI5
2/7/110mm
2/8.4/130mm
2/14/110mm
4/9/100mm
4/19/120mm



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-MATERIAL					
SPECIAL/MASONRY					DIAMOND



SAW BLADES 4~97



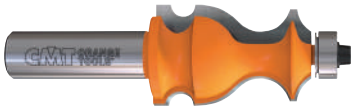
RECIPROCATING SAW BLADES 98~111



JIG SAW BLADES 113~120



TOOLS FOR MULTI-CUTTERS 121~144



ROUTER BITS & SETS 145~257



CNC ROUTER BITS & CHUCKS 259~274



DOWEL DRILLS 275~288



BORING BITS 289~293



HOLE SAWS 294~306



JIGS & ACCESSORIES 307~326



CUTTER HEADS & KNIVES 327~361



SPARE PARTS 362~364

MADE IN ITALY SINCE 1962 60 YEARS AND STILL GOING STRONG!

By now, the story has been told. After over 60 years of success and quality in manufacturing woodworking tools - orange woodworking tools, to be precise - word just sort of gets around. We have grown and we have changed, but one thing still remains the same: our commitment to making only the highest quality woodworking tools.

60 CMT 1962~2022

OUR BRANCHES



PESARO, ITALY



UDINE, ITALY



GREENSBORO, UNITED STATES



VALENCIA, SPAIN

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 P.T.F.E. 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 TOOL**. 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.


GREENSBORO, UNITED STATES


PESARO, ITALY

OUR CHANNELS

www.cmtorangetools.com

www.youtube.com/user/cmtorangetools

www.facebook.com/cmt.italy

www.instagram.com/cmt_orangetools

MAX RPM - CMT Saw Blades



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		18000	7500
100	4	15300	7500
100,4		15300	7500
115	4-1/2	13500	6000
120	-	12700	6000
125	-	11800	6000
130	-	11800	6000
136	5-3/8	11300	6000
140	5-1/2	11000	6000
150	6	10000	6000
152		10000	6000
160	-	9500	6000
165	6-1/2	9500	6000
168	-	9500	6000
170	6-3/4	9000	6000
178	7	8500	6000
180		8500	6000
184	7-1/4	8300	6000
190	-	8000	6000
200	8	9500	4500
203	8	9500	4500
210	8-1/4	9000	4500
215	8-1/2	9000	4500
216		9000	4500
220	-	8500	3500
225	9	8500	3500
230		8500	3500
235	-	8100	3500
240	-	8000	3000
250	-	7600	3000
254	10	7600	3000
260	10-1/4	7300	3000
270	-	7100	3000
275	-	6800	3000
280	-	6800	3000
300	12	6400	2000
303		6400	2000
305		6400	2000
315	-	6100	2000
320	-	6000	2000
330	-	5800	2000
350	14	5500	2000
355		5500	2000
380	-	5000	1500
400	16	4800	1500
406		4800	1500
420	-	4600	1500
430	-	4400	1500
450	-	4200	1500
500	-	3800	1000
520	-	3600	1000

ATTENTION

The **230 Dado Family** does not follow these MAX RPM values. Instead, please follow the RPM values found on the blades.

Maximize Your Saw's Performance

CMT ORANGE TOOLS®

BLADE RANGE	INDUSTRIAL CHROME®	INDUSTRIAL ORANGE SHIELD®	ITK XTREME	XTREME - ITK XPLUS	CMT CONTRACTOR TOOLS®
PERFORMANCE	★★★★★	★★★★★	★★★★★	★★★★★	★★
					
USER	PROFESSIONAL WOODWORKER		WOODWORKER & CONSTRUCTION CARPENTERS		CONTRACTOR & REMODELER
USAGE	RUN ALL DAY		HEAVY DAILY USE		DAILY USE
PRICE POINT	PREMIUM				VALUE
PACKAGING	CARTON BOX + COLORED LABEL		PLASTIC CLAMSHELL		
KERF	FULL KERF		THIN-KERF		
STEEL PLATE	PREMIUM QUALITY STEEL **LASER-CUT PREMIUM-QUALITY STEEL PLATE BODY** 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.				GOOD QUALITY STEEL **STEEL PLATE BODY** Made with good quality steel molded and then hardened to reach 44 HRC in hardness.
EXPANSION SLOTS	**LASER-CUT HEAT EXPANSION SLOTS** Engineered to allow the blade to resist deformation from increases in temperature due to cutting applications and centrifugalforces.				**HEAT EXPANSION SLOTS** Engineered to allow the blade to resist deformation from increases in temperature due to cutting applications and centrifugalforces.
SOUND DAMPENING SLOTS	NOISE/VIBRATION REDUCTION FILLED SLOTS **LASER-CUT SOUND DAMPENING SLOTS POLYMER-FILLED** Slots filled with sound-dampening polymer reduce vibrations and noise by 25% compared to blades without it.*	**LASER-CUT SOUND DAMPENING SLOTS** 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.	NOISE/VIBRATION REDUCTION FILLED SLOTS **LASER-CUT SOUND DAMPENING SLOTS POLYMER-FILLED** Slots filled with sound-dampening polymer reduce vibrations and noise by 25% compared to blades without it.*	**LASER-CUT SOUND DAMPENING SLOTS** 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 RINGS	**TENSIONING RING** 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	 **TRI-METAL BRAZING** 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** 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	SINTERHIP HI-DENSITY INDUSTRIAL CHROME CARBIDE **INDUSTRIAL CHROME CARBIDE** 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.				CONSTRUCTION GRADE CARBIDE **CONSTRUCTION GRADE CARBIDE** The cutting teeth are made with specially formulated Construction-Grade Carbide extending cutting life and good performance.
SHARPENING	 **PRECISION MIRROR FINISH SHARPENING** 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.				**STANDARD SHARPENING** Each tooth is sharpened with accuracy to guarantee good quality cuts and longer lifetime.
COATING	ORANGE CHROME **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. • Surface Hardness: 380-400 Vickers.	NON-STICK ORANGE SHIELD COATING **ORANGE SHIELD® NON-STICK PTFE COATING** • Protects against corrosion and rust. • Reduces resin and residue build up. • Reduces overheating and blade drag. • Improves performance and cutting life.	ORANGE CHROME **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. • Surface Hardness: 380-400 Vickers.	NON-STICK ORANGE SHIELD COATING **ORANGE SHIELD® NON-STICK PTFE COATING** • Protects against corrosion and rust. • Reduces resin and residue build up. • Reduces overheating and blade drag. • Improves performance and cutting life.	**HARD LACQUERING** Protects against corrosion and rust.
CMT EXTREME BALANCING®	CMT XTREME BALANCING® **CMT XTREME BALANCING®** 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.				✕
PAGE	10 ~ 48	10 ~ 48	49 ~ 74	75 ~ 84	85 ~ 91

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

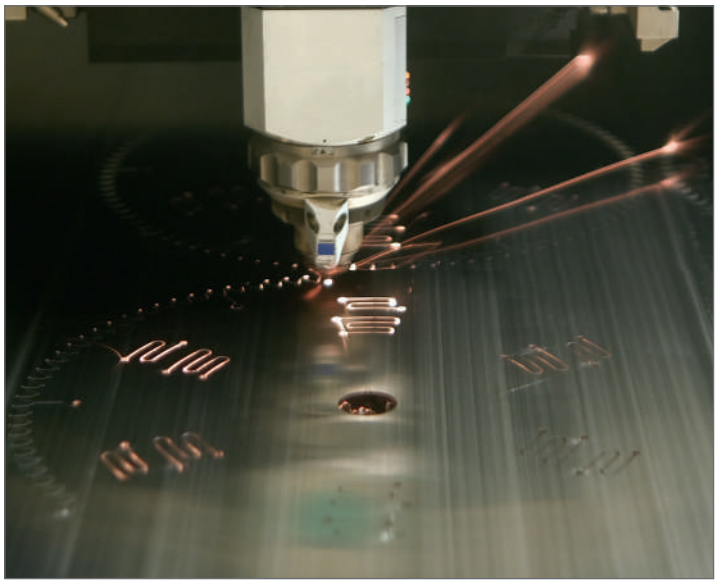
The body of a blade is an integral part of blade design; cutting quality and longevity depend on it. We use only the highest quality steel available, so durable and tough that it will not only withstand heavy workloads, but also be flexible enough to bend without breaking.

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

Unique expansion slots permit the blade to stand up to heat build-up and centrifugal force thereby preventing plate deformation and warping for a cleaner finished cut.

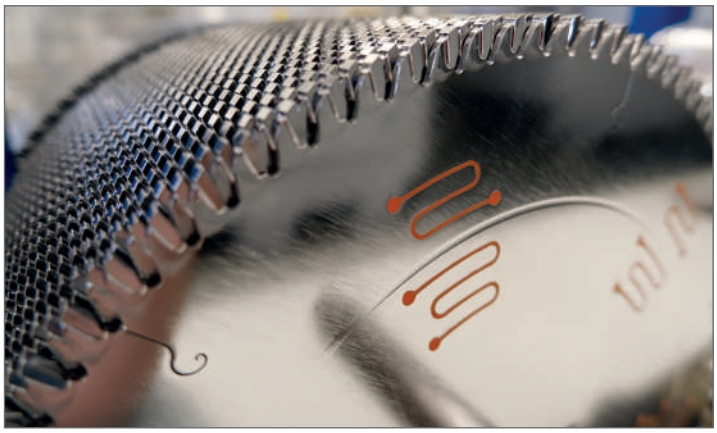


NEW LASER-CUT SLOTS FILLED WITH SOUND-DAMPENING POLYMER

Slots filled with a sound-dampening polymer reducing vibration and noise by 25% with respect to standard saw blades.
Improved cutting quality and extended blade life.
Slots positioned near toothed crown provide impressive vibration isolation and shock absorption.
Fully compliant with National Noise Emission Standard & Regulation.

NOISE/VIBRATION REDUCTION

FILLED SLOTS



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.

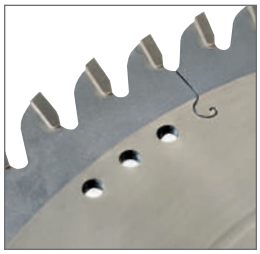


Fig. 1
Example of balancing holes.



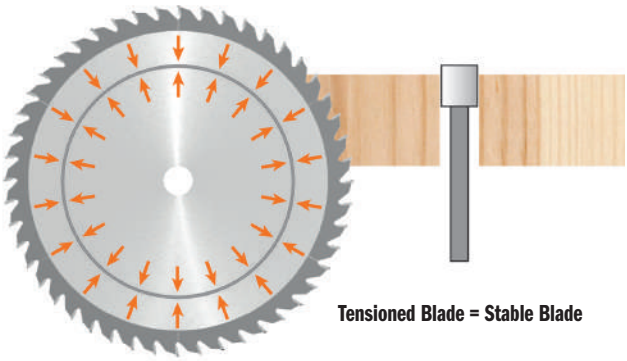
Fig. 2 Example of inspected blade already in perfect balance.

CMT XTREME BALANCING®

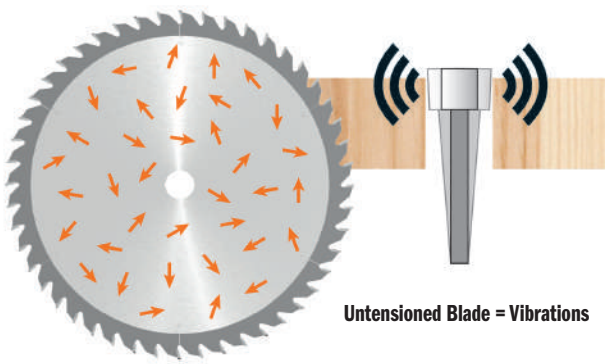


TENSIONING RINGS & FLATTING

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



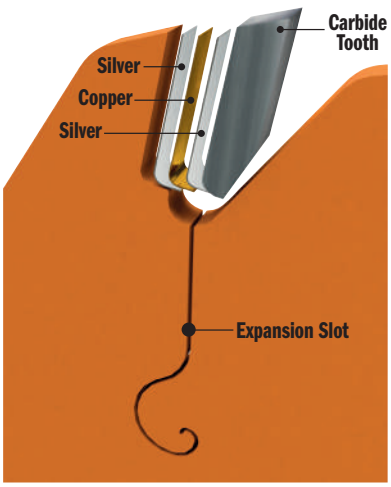
Untensioned Blade = Vibrations

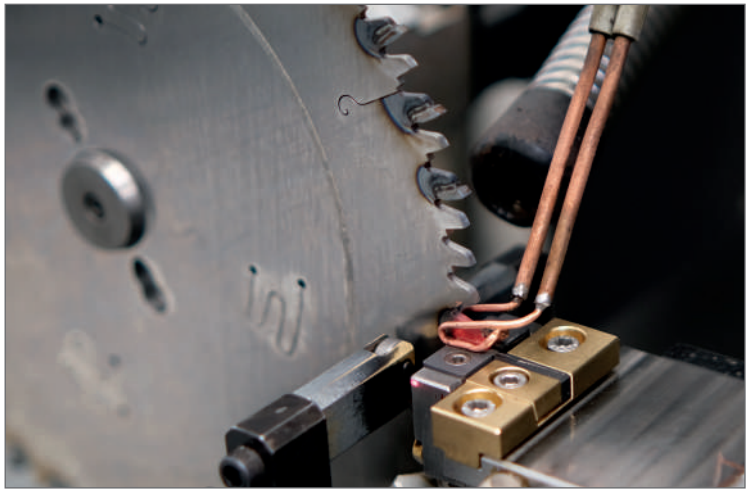
CARBIDE TEETH

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.

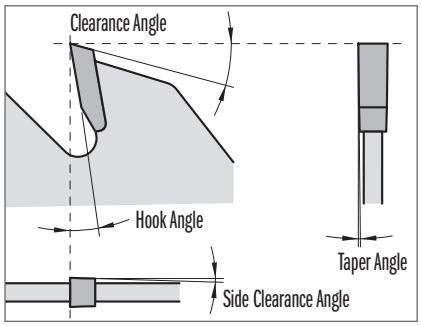
TRI-METAL BRAZING

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 SHIELD® COATING: a registered and trademarked non-stick protective coating bearing our characteristic orange color. A technopolymer (P.T.F.E. 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.

ORANGE CHROME®: 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.

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 CATALOG

1 **WHAT ARE THE PERFORMANCE EXPECTATIONS?**



2 **WHAT'S THE MATERIAL YOU WANT TO CUT?**

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

3 **WHAT'S THE APPLICATION/MACHINE IN USE?**

- RIPPING
- FRAMING
- GENERAL PURPOSE
- COMBINATION
- FINISH
- etc ....

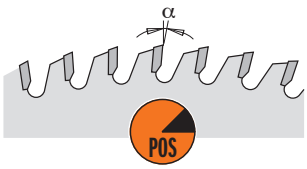
BASED ON YOUR MACHINE, CHOOSE THE APPROPRIATE BLADE:

- DIAMETER (D)
- BORE (B)

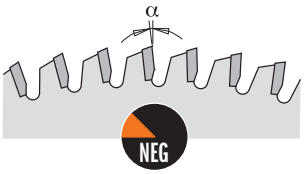
SUGGESTIONS FOR CHOOSING THE RIGHT BLADE:

HOOK ANGLE α

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



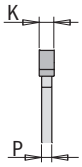
- Metals, Non-Ferrous, Plastic, Laminate (α = -5° ~ -15°)



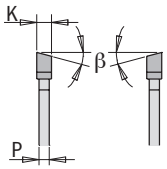
TEETH SHAPE

- Wood, Chipboard, MDF, Plywood

FLAT

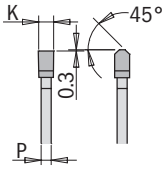


ATB (Hi-ATB, ATB+SHEAR)

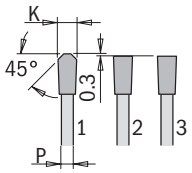


- Laminate, Chipboard, MDF, Plywood, Plastic

TCG

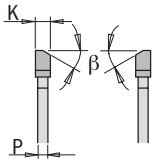


FFT



- Metals

FWF



- Special Application/Materials

HDF
FLAT+ATB
CO+FLAT
MATB
MFLAT
MTCG
HR

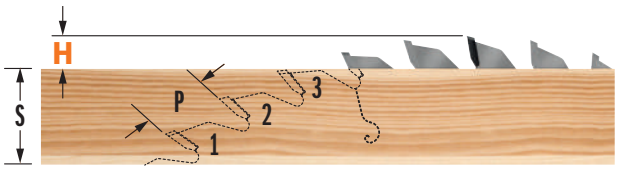
SUGGESTIONS FOR BLADE USE:

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, PLASTIC

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

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

D=Blade Diameter (mm)
T=N° of Teeth

INDUSTRIAL CHROME®

Our Full-Kerf blades are designed for professional woodworkers who require high precision and durability from their saw blades. Special chrome carbide reduces tooth abrasion, whereas the chrome plated body protects against corrosion and pitch build-up, guaranteeing long-lasting performance. Additionally, our patented CMT XTreme Balancing® and Filled, Laser-Cut, Slots ensure maximum precision with every cut.

MADE IN ITALY

- ★★★★★ **INDUSTRIAL CHROME®**
- ★★★★★ INDUSTRIAL ORANGE SHIELD®
- ★★★★★ XTREME - ITK XTREME - ITK XPLUS
- ★★★★ ITK PLUS®
- ★★ CMT CONTRACTOR TOOLS®

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.
- Surface Hardness: 380-400 Vickers.

CMT XTREME BALANCING®

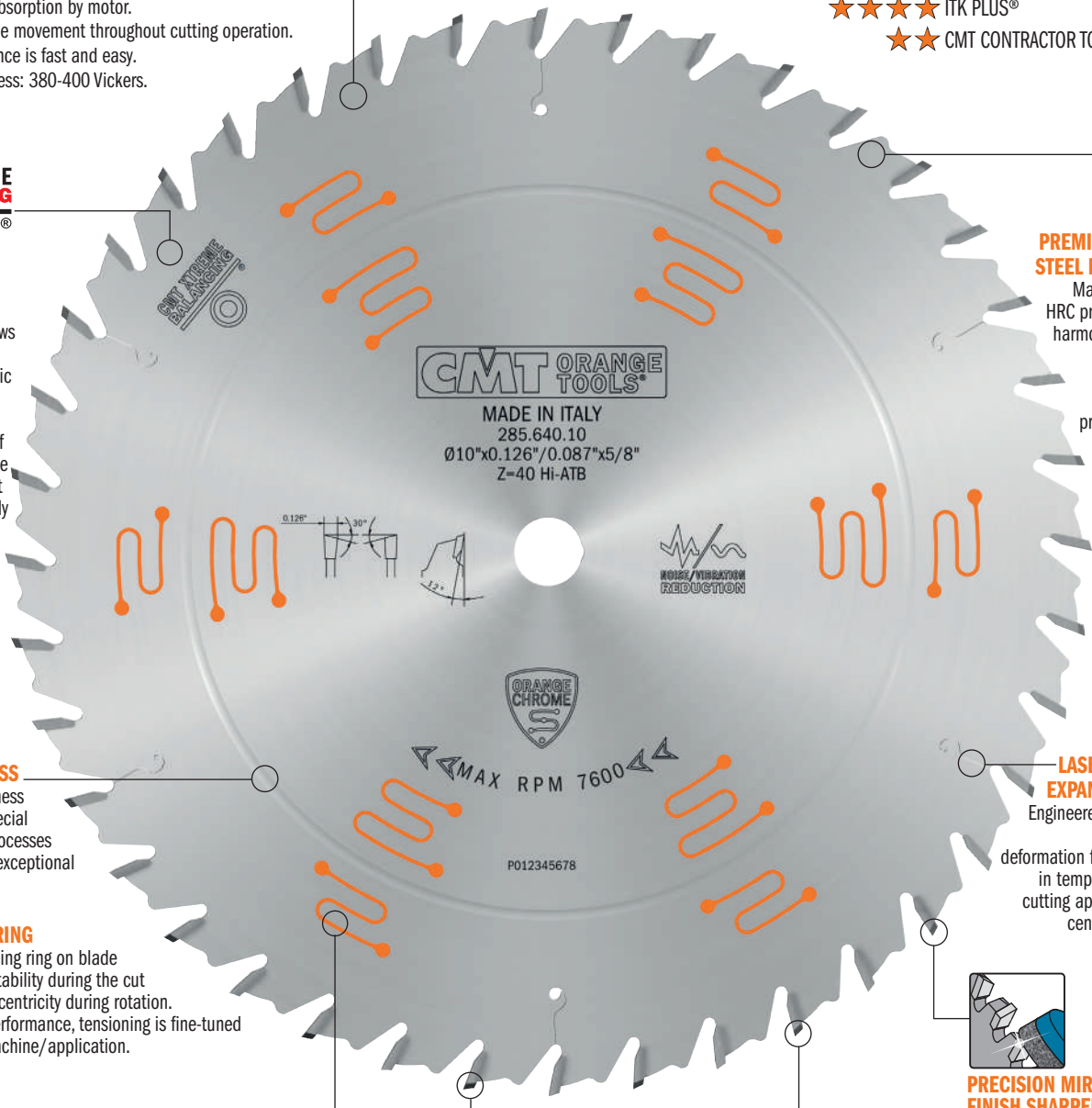
This system allows for extremely accurate dynamic balancing of the blade, several orders of magnitude above and beyond that which is currently available in the marketplace.

INT. PAT. PEND.

PREMIUM QUALITY STEEL

LASER-CUT PREMIUM-QUALITY STEEL PLATE BODY

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.



BODY FLATNESS

Blade body flatness obtained via special straightening processes that guarantee exceptional tolerances.

TENSIONING RING

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.

LASER-CUT HEAT EXPANSION SLOTS

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

PRECISION MIRROR FINISH SHARPENING

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.

NOISE/VIBRATION REDUCTION
FILLED SLOTS



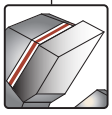
LASER-CUT SOUND DAMPENING SLOTS POLYMER-FILLED

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.

SINTERHIP HI-DENSITY INDUSTRIAL CHROME CARBIDE

INDUSTRIAL CHROME CARBIDE

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.



TRI-METAL BRAZING

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.

INDUSTRIAL ORANGE SHIELD®

CMT's Full-Kerf blade line is designed for professional woodworkers and finish carpenters.
The CMT Orange Shield® Coating is chemically engineered, and kiln-dried within our facility in Udine, Italy, to provide the highest level of performance and longevity for industry craftsman.

★★★★★

ORANGE SHIELD®
NON-STICK PTFE COATING
- Protects against corrosion and rust.
- Reduces resin and residue build up.
- Reduces overheating and blade drag.
- Improves performance and cutting life

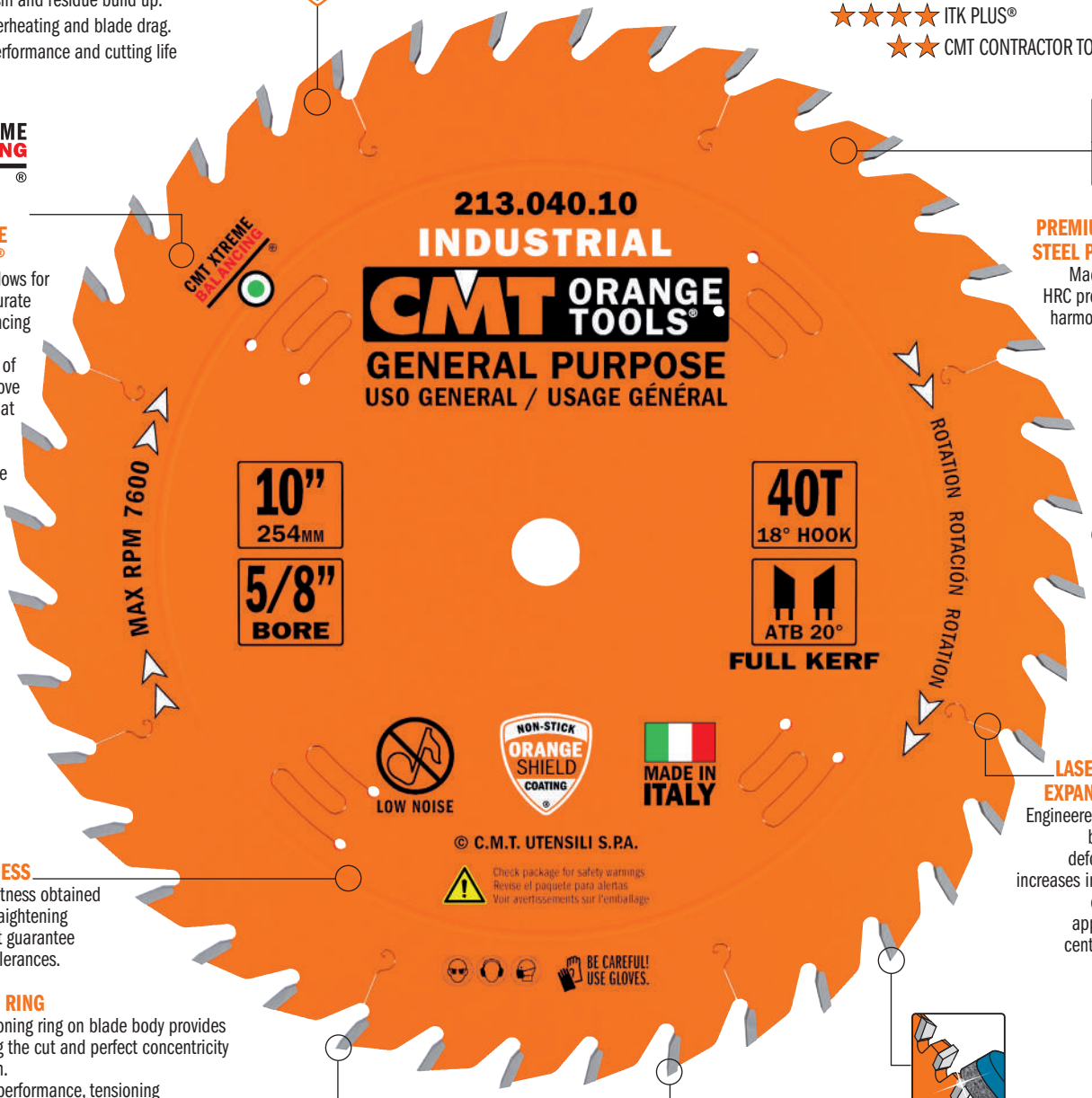
MADE IN ITALY

★★★★★ INDUSTRIAL CHROME®
★★★★★ **INDUSTRIAL ORANGE SHIELD®**
★★★★★ XTREME - ITK XTREME - ITK XPLUS
★★★★ ITK PLUS®
★★ CMT CONTRACTOR TOOLS®

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INT. PAT. PEND.

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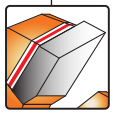
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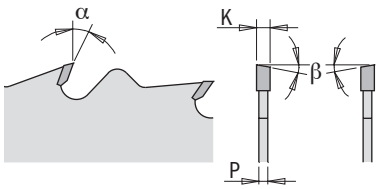
TRI-METAL BRAZING
Silver-Copper-Silver Tri-Metal Brazing prevents carbide from breaking during the cooling process and allows teeth to withstand high stress and impact especially when cutting harder woods and composite materials.



285-293

ORANGE CHROME®

INDUSTRIAL













WOOD

MACHINES


MITER SAW


RADIAL ARM SAW


STATIONARY TABLE SAW


PORTABLE TABLE SAW

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


RIPS

MATERIALS


HARDWOOD


SOFTWOOD


PLYWOOD


OSB

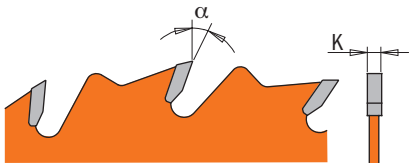
For specific details regarding suggested materials, please check blade label.

ORDER NO.		D inches	D mm	T	B inches	PIN HOLE	β	K inches	P inches	α
285.624.10	1	10	254	24	5/8	-	FLAT	0.126	0.087	15°
FOR MACHINES WITH METRIC ARBOR										
285.624.10M	1	-	250	24	30mm	COMBI3	FLAT	0.126	0.087	10°
293.024.12M	1	-	300	24	30mm	COMBI3	ATB 10°	0.126	0.087	20°
293.028.14M	1	-	350	28	30mm	COMBI3	ATB 10°	0.137	0.098	20°

CMT ORANGE TOOLS®



201 ORANGE SHIELD®



CMT XTREME BALANCING®

CARBIDE TIPPED

PERFORMANCE

WOOD

MACHINES


MITER SAW

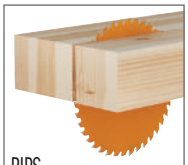

RADIAL ARM SAW


STATIONARY TABLE SAW


PORTABLE TABLE SAW

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


RIPS

MATERIALS


HARDWOOD

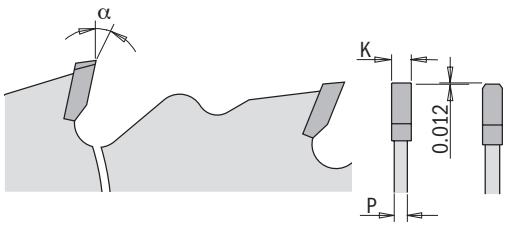

SOFTWOOD


OSB

ORDER NO.		D inches	D mm	T	B inches	PIN HOLE	β	K inches	P inches	α
201.024.10	1	10	254	24	5/8	-	MFLAT	0.126	0.087	20°
201.030.12	1	12	305	30	1	-	MFLAT	0.126	0.087	20°



203 ORANGE CHROME®
INDUSTRIAL













WOOD

MACHINES







Blade diameter compatibility is contingent on machine type.

APPLICATIONS



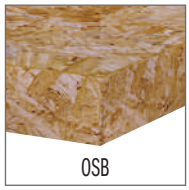


MATERIALS









ORDER NO.		D inches	D mm	T	B inches	KEY WAY	β	K inches	P inches	α
203.630.10	1	10	254	30	5/8	-	TCG	0.126	0.087	12°
203.636.12	1	12	305	36	1	-	TCG	0.126	0.087	12°
203.036.12W2* ■	1	12	305	36	3-1/8	13.1 x 7.1 - 6.9 x 3.7mm	TCG	0.160	0.110	20°

***NOT ORANGE CHROME®**

■ *Until stock last*

CMT ORANGE TOOLS®

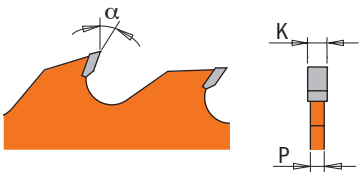


279 ORANGE SHIELD® INDUSTRIAL

CARBIDE TIPPED | MEC

PERFORMANCE

WOOD



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

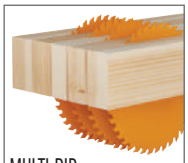
MACHINES

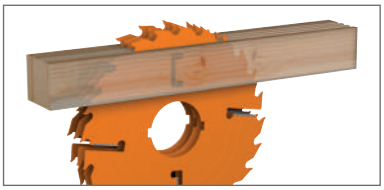

MULTI-RIP


MOULDERS

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


MULTI-RIP



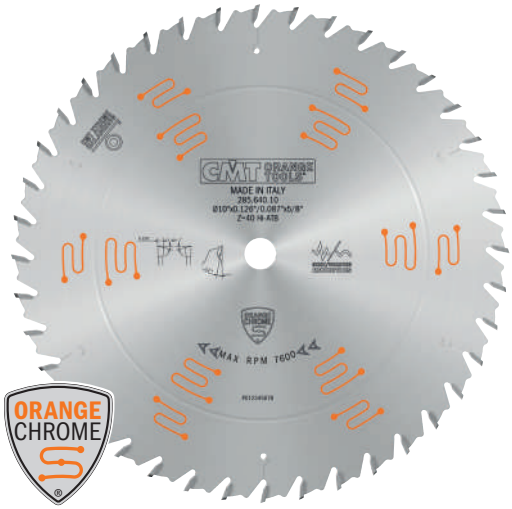
MATERIALS


HARDWOOD


SOFTWOOD

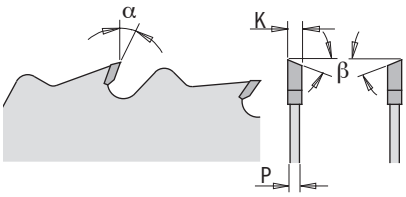
ORDER NO.		D inches	D mm	T	B inches		β	K inches	P inches	α
279.010.10	1	10	254	10+4	2-3/8		FLAT	0.157	0.098	25°
279.012.12	1	12	305	12+4	2-3/8		FLAT	0.157	0.098	25°

CMT ORANGE TOOLS®



285 ORANGE CHROME®
INDUSTRIAL

CARBIDE TIPPED



PERFORMANCE

WOOD



NOISE/VIBRATION REDUCTION

CMT XTREME BALANCING®

MACHINES


MITER SAW


SLIDE MITER SAW


RADIAL ARM SAW


STATIONARY TABLE SAW


PORTABLE TABLE SAW

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


RIPS


CROSS

MATERIALS


HARDWOOD


SOFTWOOD


PLYWOOD


VENEERED PLYWOOD


MELAMINE


CHIPBOARD

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

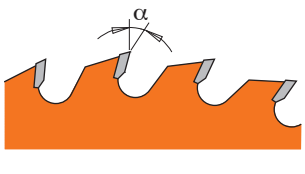
ORDER NO.		D inches	D mm	T	B inches	PIN HOLE	β	K inches	P inches	α
285.640.10	1	10	254	40	5/8	-	Hi-ATB 30°	0.126	0.087	12°
FOR MACHINES WITH METRIC ARBOR										
285.640.10M	1	-	250	40	30mm	COMBI3	ATB 10°	0.126	0.087	15°
285.648.12M	1	-	300	48	30mm	COMBI3	ATB 10°	0.126	0.087	5°
285.654.14M	1	-	350	54	30mm	COMBI3	ATB 10°	0.137	0.098	5°
285.660.16M	1	-	400	60	30mm	COMBI3	ATB 15°	0.137	0.098	10°

CMT ORANGE TOOLS®



213-290-291 ORANGE SHIELD® INDUSTRIAL

CARBIDE TIPPED



WOOD

CMT XTREME BALANCING®

MACHINES


CIRCULAR SAW


MITER SAW


SLIDE MITER SAW

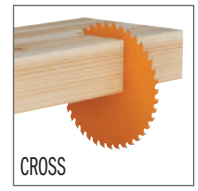

STATIONARY TABLE SAW


PORTABLE TABLE SAW

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


RIPS


CROSS

MATERIALS


HARDWOOD


SOFTWOOD


PLYWOOD


OSB


MELAMINE

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

213

CMT XTREME BALANCING® PERFORMANCE

ORDER NO.		D inches	D mm	T	B inches		β	K inches	P inches	α
213.040.10	1	10	254	40	5/8		ATB 20°	0.126	0.100	18°
213.048.12	1	12	305	48	1		ATB 20°	0.126	0.100	10°

290-291 FOR MACHINES WITH METRIC ARBOR

PERFORMANCE

ORDER NO.		D inches	D mm	T	B mm	PIN HOLE	β	K inches	P inches	α
291.160.24H ●	10	-	160	24	20	2/6/32	ATB 15°	0.087	0.064	15°
291.165.24H ■	10	6-1/2	165	24	20	2/6/32	ATB 15°	0.087	0.064	15°
290.210.24M ●	10	8-1/4	210	24	30	2/7/42	ATB 10°	0.110	0.071	20°
291.210.36M ●	10	8-1/4	210	36	30	2/7/42	ATB 15°	0.110	0.071	15°

● Ideal for FESTOOL® & others
■ Ideal for Track Saws

® Brand names mentioned in CMT products are the property of their respective owners (see page 376)



285.6 ORANGE CHROME®
INDUSTRIAL

CARBIDE TIPPED

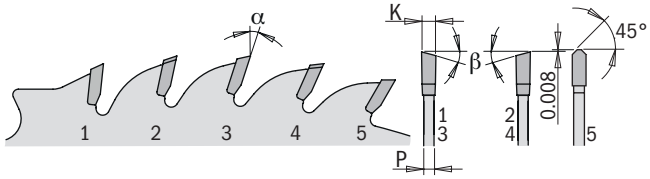
PERFORMANCE

WOOD

FILLED SLOTS

NOISE/VIBRATION REDUCTION

CMT XTREME BALANCING®



MACHINES


MITER SAW


SLIDE MITER SAW


STATIONARY TABLE SAW


PORTABLE TABLE SAW

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


RIPS


CROSS

MATERIALS


HARDWOOD


SOFTWOOD


PLYWOOD


VENEERED PLYWOOD


MELAMINE


CHIPBOARD

ORDER NO.		D inches	D mm	T	B inches		β	K inches	P inches	α
285.650.10	1	10	254	50	5/8		4 ATB 20°+1 TCG	0.126	0.087	12°



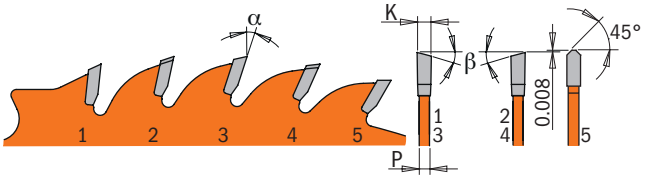
215 ORANGE SHIELD® INDUSTRIAL

CMT XTREME BALANCING®

CARBIDE TIPPED

PERFORMANCE

WOOD



MACHINES


MITER SAW


SLIDE MITER SAW

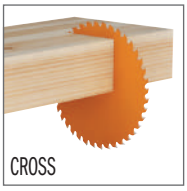

STATIONARY TABLE SAW


PORTABLE TABLE SAW

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


RIPS


CROSS

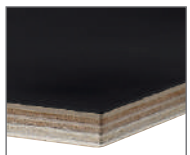
MATERIALS


HARDWOOD


SOFTWOOD


PLYWOOD


VENEERED PLYWOOD


LAMINATE

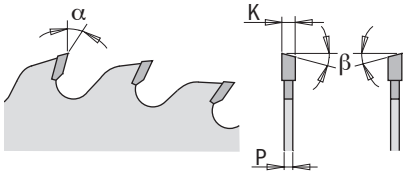

CHIPBOARD

ORDER NO.		D inches	D mm	T	B inches		β	K inches	P inches	α
215.050.10	1	10	254	50	5/8		4 ATB 20°+1 TCG	0.126	0.087	12°
215.060.12	1	12	305	60	1		4 ATB 20°+1 TCG	0.126	0.087	12°

CMT ORANGE TOOLS®



285 ORANGE CHROME® INDUSTRIAL



CARBIDE TIPPED

PERFORMANCE

WOOD

FILLED SLOTS

NOISE/VIBRATION REDUCTION

CMT XTREME BALANCING®

MACHINES


CIRCULAR SAW


MITER SAW


SLIDE MITER SAW


STATIONARY TABLE SAW


PORTABLE TABLE SAW


VERTICAL PANEL SAW

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


CROSS

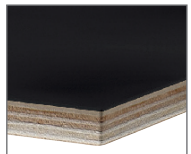
MATERIALS


WOOD


PLYWOOD


VENEERED PLYWOOD


MELAMINE


LAMINATE


CHIPBOARD

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

ORDER NO.		D inches	D mm	T	B inches	PIN HOLE	β	K inches	P inches	α
285.660.10	1	10	254	60	5/8	-	ATB 20°	0.126	0.087	10°
285.672.12	1	12	305	72	1	-	ATB 20°	0.126	0.087	10°
285.684.14	1	14	355	84	1	-	ATB 15°	0.137	0.098	10°
285.696.16* ■	1	16	406	96	1	-	ATB 15°	0.137	0.098	10°
285.708.18* ■	1	18	457	108	1	-	ATB 15°	0.150	0.110	10°
FOR MACHINES WITH METRIC ARBOR										
285.760.48H ●	1	-	160	48	20mm	2/6/32	ATB 12°	0.087	0.064	5°
285.790.48FF ●	1	-	190	48	20mm (FESTOOL® FF)	Key 5/7/2.5	ATB 15°	0.095	0.071	8°
285.816.60M	1	-	216	60	30mm	2/7/42	ATB 15°	0.090	0.064	-5°
285.660.10M	1	-	250	60	30mm	COMBI3	ATB 15°	0.126	0.087	10°
285.672.12M	1	-	300	72	30mm	COMBI3	ATB 15°	0.126	0.087	10°

***NOT ORANGE CHROME®**

■ *Until stock last*

● Ideal for **FESTOOL®** & others

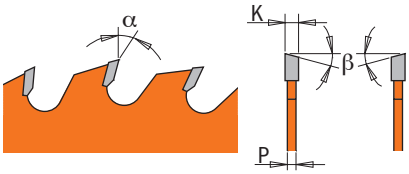
® Brand names mentioned in CMT products are the property of their respective owners (see page 376)

CMT ORANGE TOOLS®



205-292-294 ORANGE SHIELD® INDUSTRIAL

CARBIDE TIPPED



WOOD

CMT XTREME BALANCING®

MACHINES


CIRCULAR SAW


MITER SAW

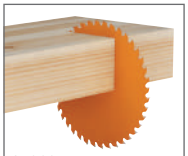

SLIDE MITER SAW


STATIONARY TABLE SAW


PORTABLE TABLE SAW

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


CROSS

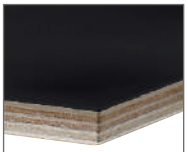
MATERIALS


HARDWOOD


SOFTWOOD


PLYWOOD


OSB


LAMINATE

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

205

CMT XTREME BALANCING® PERFORMANCE

ORDER NO.		D inches	D mm	T	B inches		β	K inches	P inches	α
205.060.10	1	10	254	60	5/8		ATB 20°	0.102	0.071	5°
205.072.12	1	12	305	72	1		ATB 15°	0.126	0.087	10°

292-294 FOR MACHINES WITH METRIC ARBOR

PERFORMANCE

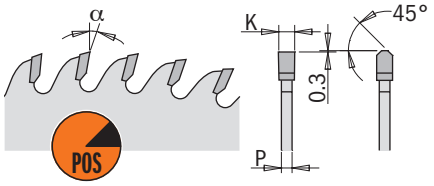
ORDER NO.		D inches	D mm	T	B mm	PIN HOLE	β	K inches	P inches	α
292.160.40H ●	10	-	160	40	20	2/6/32	ATB 15°	0.087	0.064	10°
292.165.40H ■	10	6-1/2	165	40	20	2/6/32	ATB 15°	0.087	0.064	10°
292.210.48M ●	10	8-1/4	210	48	30	2/7/42	ATB 15°	0.110	0.071	15°
294.060.11M ●	10	-	260	60	30	COMBI3	ATB 15°	0.098	0.071	-5°

● Ideal for FESTOOL® & others
■ Ideal for Track Saws

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281.6 ORANGE CHROME® INDUSTRIAL













WOOD

MACHINES

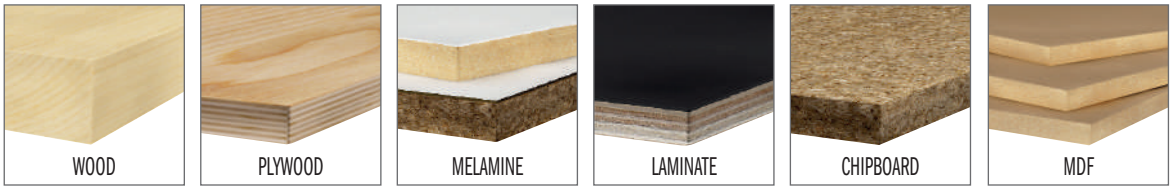


Blade diameter compatibility is contingent on machine type.

APPLICATIONS



MATERIALS



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

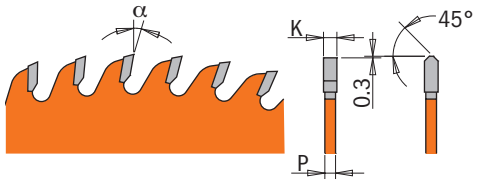
ORDER NO.		D inches	D mm	T	B inches	PIN HOLE	β	K inches	P inches	α
281.660.10	1	10	254	60	5/8	-	TCG	0.126	0.087	10°
FOR MACHINES WITH METRIC ARBOR										
281.760.48H ●	1	-	160	48	20mm	2/6/32	TCG	0.087	0.064	4°
281.672.12M	1	-	300	72	30mm	COMBI3	TCG	0.126	0.087	10°
281.684.14M	1	-	350	84	30mm	COMBI3	TCG	0.137	0.098	10°

● Ideal for **FESTOOL®** & others

® Brand names mentioned in CMT products are the property of their respective owners (see page 376)



221 ORANGE SHIELD® INDUSTRIAL



CMT XTREME BALANCING®

CARBIDE TIPPED

PERFORMANCE

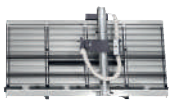
WOOD

MACHINES


MITER SAW

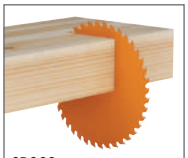

RADIAL ARM SAW


STATIONARY TABLE SAW


VERTICAL PANEL SAW

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


CROSS

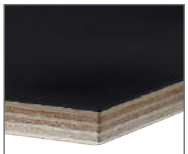
MATERIALS


HARDWOOD


SOFTWOOD


PLYWOOD


MELAMINE

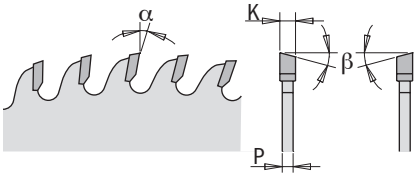

LAMINATE


CHIPBOARD

ORDER NO.		D inches	D mm	T	B inches		β	K inches	P inches	α
221.060.10	1	10	254	60	5/8		TCG	0.126	0.087	10°
221.072.12	1	12	305	72	1		TCG	0.126	0.087	10°



285.6 ORANGE CHROME®
INDUSTRIAL













WOOD

MACHINES


SLIDE MITER SAW


RADIAL ARM SAW

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


CROSS

MATERIALS


HARDWOOD


SOFTWOOD


PLYWOOD


MELAMINE


LAMINATE

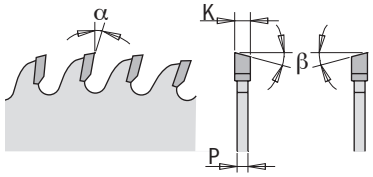

MOLDING

ORDER NO.		D inches	D mm	T	B inches		β	K inches	P inches	α
285.680.12	1	12	305	80	1		ATB 15°	0.094	0.071	5°

CMT ORANGE TOOLS®



285 ORANGE CHROME®
INDUSTRIAL



CARBIDE TIPPED

PERFORMANCE

WOOD







MACHINES


MITER SAW


STATIONARY TABLE SAW


PORTABLE TABLE SAW

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


CROSS

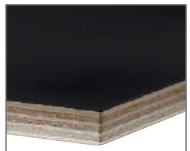
MATERIALS


WOOD


PLYWOOD


VENEERED PLYWOOD


MELAMINE


LAMINATE

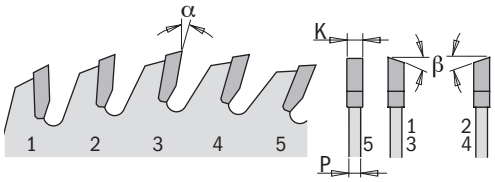

CHIPBOARD

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

ORDER NO.		D inches	D mm	T	B inches	PIN HOLE	β	K inches	P inches	α
285.680.10	1	10	254	80	5/8		ATB 20°	0.118	0.098	10°
285.696.12	1	12	305	96	1		ATB 20°	0.118	0.098	10°
FOR MACHINES WITH METRIC ARBOR										
285.696.12M	1	-	300	96	30mm	COMBI3	ATB 15°	0.126	0.087	5°
285.708.14M	1	-	350	108	30mm	COMBI3	ATB 15°	0.137	0.098	5°



274 ORANGE CHROME® INDUSTRIAL













WOOD

MACHINES



Blade diameter compatibility is contingent on machine type.

APPLICATIONS



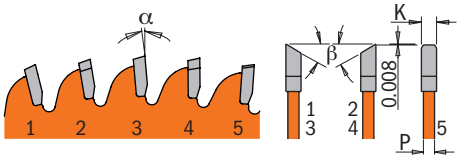
MATERIALS



ORDER NO.		D inches	D mm	T	B inches		β	K inches	P inches	α
274.691.12	1	12	305	90	5/8		4 ATB 20°+ 1 FLAT	0.118	0.098	-3°



219 ORANGE SHIELD®
INDUSTRIAL



CMT XTREME BALANCING®

CARBIDE TIPPED

PERFORMANCE

WOOD

MACHINES


MITER SAW


SLIDE MITER SAW

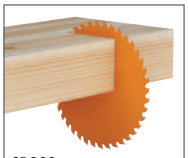

RADIAL ARM SAW


PORTABLE TABLE SAW


VERTICAL PANEL SAW

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


CROSS

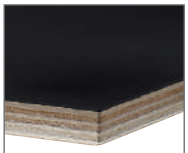
MATERIALS


HARDWOOD


SOFTWOOD


PLYWOOD

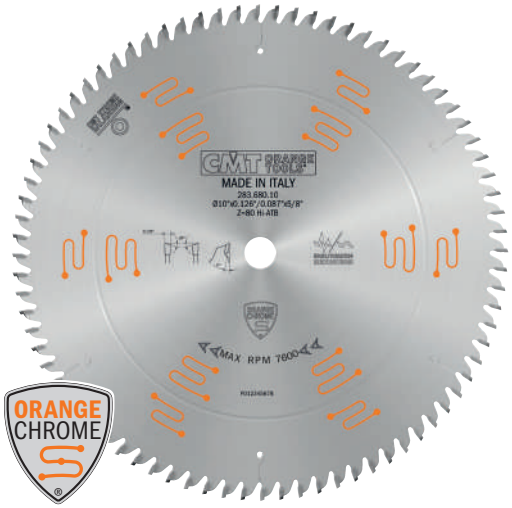

MELAMINE


LAMINATE

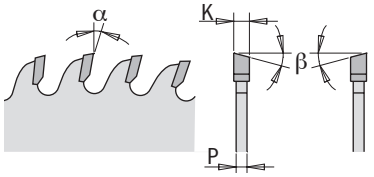

CHIPBOARD

ORDER NO.		D inches	D mm	T	B inches		β	K inches	P inches	α
219.060.08	1	8-1/2	216	60	5/8		4 Hi-ATB 30°+ 1 TCG	0.118	0.100	-5°
219.080.10	1	10	254	80	5/8		4 Hi-ATB 30°+ 1 TCG	0.122	0.100	-5°
219.090.12	1	12	305	90	1		4 Hi-ATB 30°+ 1 TCG	0.122	0.100	-5°

CMT ORANGE TOOLS®



283.6 ORANGE CHROME® INDUSTRIAL













WOOD

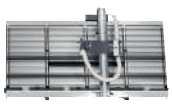
MACHINES


MITER SAW


SLIDE MITER SAW


STATIONARY TABLE SAW


PORTABLE TABLE SAW


VERTICAL PANEL SAW

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


CROSS

MATERIALS

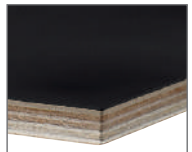

HARDWOOD


SOFTWOOD


PLYWOOD


VENEERED PLYWOOD


DOUBLE SIDED MELAMINE


DOUBLE SIDED LAMINATE

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

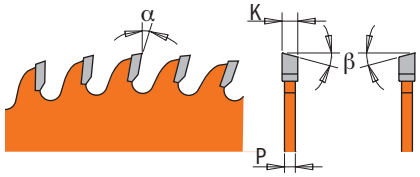
ORDER NO.		D inches	D mm	T	B inches	PIN HOLE	β	K inches	P inches	α
283.680.10	1	10	254	80	5/8	-	Hi-ATB 38°	0.126	0.087	2°
283.696.12	1	12	305	96	1	-	Hi-ATB 38°	0.126	0.087	2°
FOR MACHINES WITH METRIC ARBOR										
283.064.09M*	1	-	220	64	30mm	2/7/42	Hi-ATB 40°	0.126	0.087	-5°
283.680.10M	1	-	250	80	30mm	COMBI3	Hi-ATB 38°	0.126	0.087	-2°
283.696.12M	1	-	300	96	30mm	COMBI3	Hi-ATB 38°	0.126	0.087	2°
283.108.14M	1	-	350	108	30mm	COMBI3	Hi-ATB 38°	0.137	0.098	5°

*** NOT ORANGE CHROME®**



210-292-294 ORANGE SHIELD® INDUSTRIAL

CARBIDE TIPPED



WOOD

CMT XTREME BALANCING®

MACHINES

Blade diameter compatibility is contingent on machine type.


CIRCULAR SAW


MITER SAW

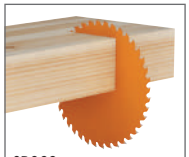

SLIDE MITER SAW


RADIAL ARM SAW


STATIONARY TABLE SAW


PORTABLE TABLE SAW

APPLICATIONS


CROSS

MATERIALS

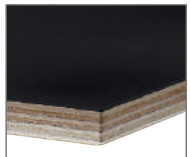
For specific details regarding suggested materials, please check blade label.


WOOD


PLYWOOD


OSB


VENEERED PLYWOOD


LAMINATE


CHIPBOARD

210

CMT XTREME BALANCING®

PERFORMANCE

ORDER NO.		D inches	D mm	T	B inches		β	K inches	P inches	α
210.060.08	1	8-8-1/4	203	60	5/8		Hi-ATB 38°	0.126	0.087	2°
210.080.10	1	10	254	80	5/8		Hi-ATB 38°	0.126	0.087	2°
210.096.12	1	12	305	96	1		Hi-ATB 38°	0.126	0.087	2°

292-294 FOR MACHINES WITH METRIC ARBOR

PERFORMANCE

ORDER NO.		D inches	D mm	T	B mm	PIN HOLE	β	K inches	P inches	α
292.160.56H ●	10	-	160	56	20	2/6/32	ATB 15°	0.087	0.064	15°
292.165.56H ■	10	6-1/2	165	56	20	2/6/32	ATB 15°	0.087	0.064	15°
292.210.64M ●	10	-	210	64	30	2/7/42	ATB 15°	0.110	0.071	15°
292.216.80M ●	10	-	216	80	30	2/7/42	ATB 15°	0.110	0.071	-5°
292.230.64M ●	10	-	230	64	30	2/7/42 + 2/6/10	ATB 15°	0.110	0.071	15°
294.080.11M ●	5	-	260	80	30	COMBI3	ATB 15°	0.098	0.071	-5°

● Ideal for FESTOOL® & others

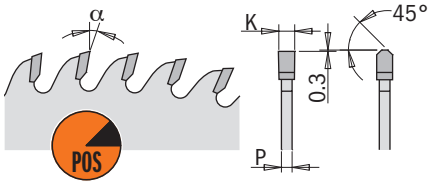
■ Ideal for Track Saws

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CMT ORANGE TOOLS®



281.6 ORANGE CHROME® INDUSTRIAL













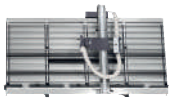
WOOD

MACHINES


MITER SAW


RADIAL ARM SAW


STATIONARY TABLE SAW


VERTICAL PANEL SAW

Blade diameter compatibility is contingent on machine type.

APPLICATIONS

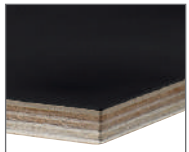

CROSS

MATERIALS


HARDWOOD


PLYWOOD


MELAMINE


LAMINATE

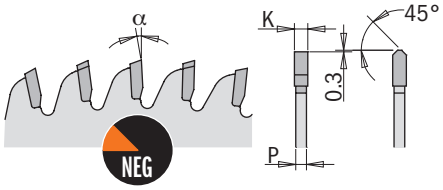

CHIPBOARD


MDF

ORDER NO.		D inches	D mm	T	B inches	PIN HOLE	β	K inches	P inches	α
281.680.10	1	10	254	80	5/8	-	TCG	0.126	0.087	5°
281.696.12	1	12	305	96	1	-	TCG	0.126	0.087	5°
FOR MACHINES WITH METRIC ARBOR										
281.680.10M	1	-	250	80	30mm	COMBI3	TCG	0.126	0.087	5°
281.696.12M	1	-	300	96	30mm	COMBI3	TCG	0.126	0.087	5°
281.708.14M	1	-	350	108	30mm	COMBI3	TCG	0.138	0.098	5°



281.6 ORANGE CHROME®
INDUSTRIAL













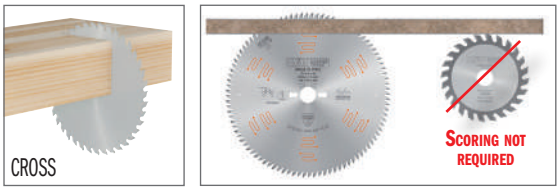
WOOD

MACHINES

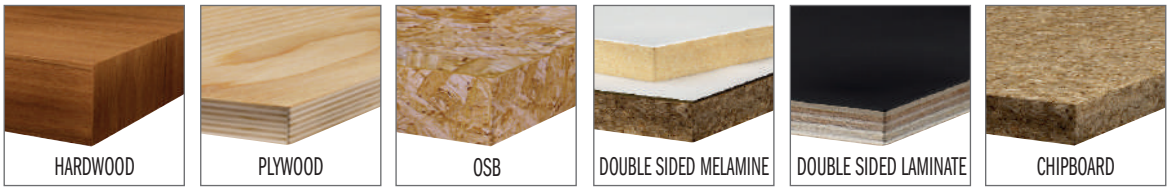


Blade diameter compatibility is contingent on machine type.

APPLICATIONS



MATERIALS

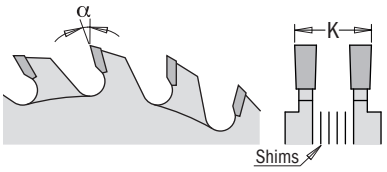


For specific details regarding suggested materials, please check blade label.

ORDER NO.		D inches	D mm	T	B inches	PIN HOLE	β	K inches	P inches	α
281.681.10	1	10	254	80	5/8	-	TCG	0.126	0.087	-3°
281.697.12	1	12	305	96	1	-	TCG	0.126	0.087	-3°
FOR MACHINES WITH METRIC ARBOR										
281.681.10M	1	-	250	80	30mm	COMBI3	TCG	0.126	0.087	-3°
281.697.12M	1	-	300	96	30mm	COMBI3	TCG	0.126	0.087	-3°



289 INDUSTRIAL



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

CARBIDE TIPPED

PERFORMANCE

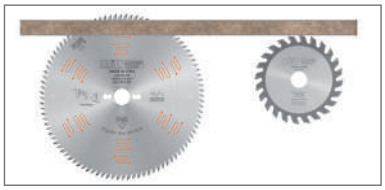
WOOD

MACHINES



SQUARING

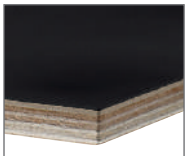
APPLICATIONS



MATERIALS



MELAMINE



LAMINATE

ORDER NO.		D mm	T	B mm	PIN HOLE	β	K mm	α	Spare parts PVC SHIMS
289.100.20H	1	100	10+10	20	2/3.1 - 3.8/42	FLAT	2.8-3.6	12°	299.000.02K
289.100.20K	1	100	10+10	22	2/3.1 - 3.8/42	FLAT	2.8-3.6	12°	299.000.02K
289.120.24H	1	120	12+12	20	2/3.1 - 3.8/42	FLAT	2.8-3.6	12°	299.000.02K
289.120.24K	1	120	12+12	22	2/3.1 - 3.8/42	FLAT	2.8-3.6	12°	299.000.02K

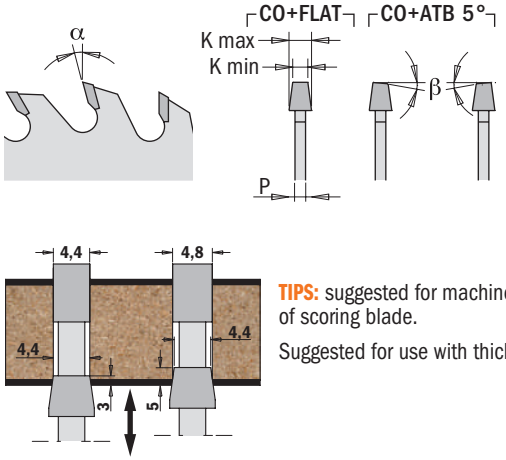


288 INDUSTRIAL

CARBIDE TIPPED

PERFORMANCE

WOOD

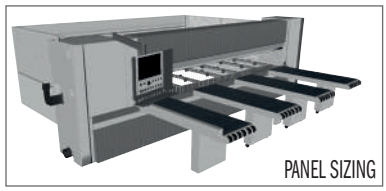


TIPS: suggested for machines with vertical regulation of scoring blade.

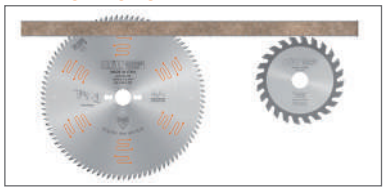
Suggested for use with thick kerf or panel sizing blade.

MACHINES


SQUARING

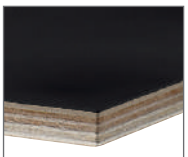

PANEL SIZING

APPLICATIONS



MATERIALS

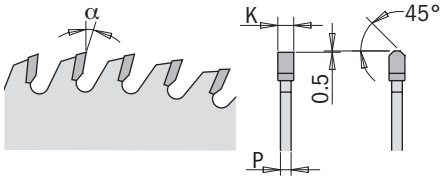

MELAMINE


LAMINATE

ORDER NO.		D mm	T	B mm	PIN HOLE	β	K mm	P mm	α
288.100.20H	1	100	20	20	-	CO + ATB 5°	3.1-4.0	2.5	5°
288.100.20K	1	100	20	22	-	CO + ATB 5°	3.1-4.0	2.5	5°
288.120.24H	1	120	24	20	-	CO + ATB 5°	3.1-4.0	2.5	5°
288.120.24K	1	120	24	22	-	CO + ATB 5°	3.1-4.0	2.5	5°
288.125.24H	1	125	24	20	-	CO + ATB 5°	3.1-4.0	2.5	5°
288.125.24K	1	125	24	22	-	CO + ATB 5°	3.1-4.0	2.5	5°
288.125.24Q	1	125	24	45	-	CO + FLAT	4.3-5.5	3.2	10°
288.150.36Q	1	150	36	45	3/11/70	CO + FLAT	4.3-5.5	3.2	10°
288.160.36Q	1	160	36	45	3/11/70	CO + FLAT	4.3-5.5	3.2	10°
288.160.36O	1	160	36	55	3/7/66	CO + FLAT	4.3-5.5	3.2	10°
288.180.36Q	1	180	36	45	-	CO + FLAT	4.7-6.0	3.5	10°
288.180.36Q2	1	180	36	45	-	CO + ATB 5°	4.3-5.5	3.2	8°
288.200.36H	1	200	36	20	-	CO + FLAT	4.4-5.3	3.2	10°
288.200.36Q	1	200	36	45	-	CO + FLAT	4.7-6.0	3.5	10°
288.200.36J	1	200	36	65	2/9/110	CO + FLAT	4.3-5.5	3.2	10°
288.215.42T	1	215	42	50	3/15/80	CO + FLAT	4.3-5.5	3.2	8°
288.300.48T	1	300	48	50	3/15/80	CO + FLAT	4.3-5.5	3.2	10°



281-282 INDUSTRIAL

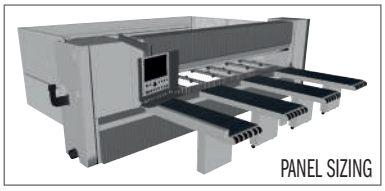


CARBIDE TIPPED

PERFORMANCE

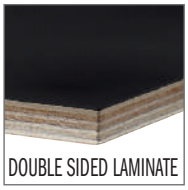
WOOD

MACHINES

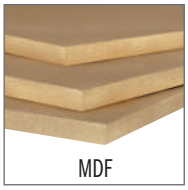


MATERIALS

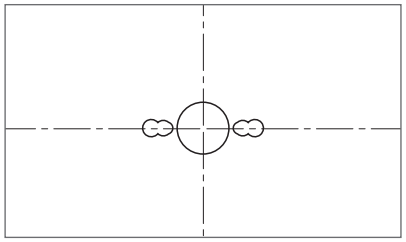




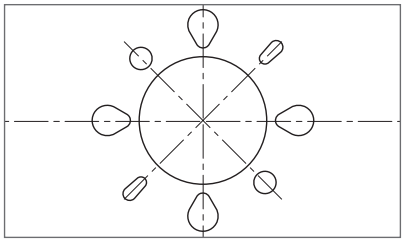




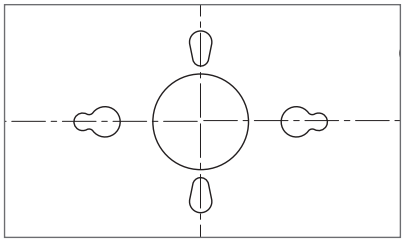
ORDER NO.		D mm	T	B mm	PIN HOLE	β	K mm	P mm	α
281.680.10M	1	250	80	30	COMBI3	TCG	3.2	2.2	5°
281.672.12M	1	300	72	30	COMBI3	TCG	3.2	2.2	10°
282.060.12M	1	300	60	30	COMBI3	TCG	4.4	3.2	16°
282.060.12W	1	300	80	30	COMBI5	TCG	4.4	3.2	16°
282.072.14X	1	350	72	75	4/15/105 + 3/7/100	TCG	4.4	3.2	16°
281.708.14M	1	350	108	30	COMBI3	TCG	3.5	2.5	5°
282.072.14J2	1	355	72	65	2/9/100 + 2/9/110	TCG	4.4	3.2	16°
282.072.14W2	1	355	72	80	4/9/100 + 2/9/110 + 2/14/110	TCG	4.4	3.2	10°
282.072.15U2	1	380	72	60	COMBI5	TCG	4.4	3.2	15°
282.072.15U	1	380	72	60	COMBI7	TCG	4.8	3.5	16°
282.072.16M	1	400	72	30	2/10/60	TCG	4.4	3.2	16°
282.072.16U	1	400	72	60	COMBI7	TCG	4.4	3.2	16°
282.072.16X	1	400	72	75	4/15/105	TCG	4.4	3.2	16°
282.072.16W	1	400	72	80	COMBI5	TCG	4.4	3.2	16°
282.072.17X	1	430	72	75	4/15/105	TCG	4.4	3.2	16°
282.072.17W2	1	430	72	80	COMBI5	TCG	4.4	3.2	16°
282.072.18U	1	450	72	60	COMBI7	TCG	4.8	3.5	16°
282.072.18W2	1	450	72	80	COMBI5	TCG	4.8	3.5	16°
282.072.20U	1	500	72	60	COMBI7	TCG	4.8	3.5	16°



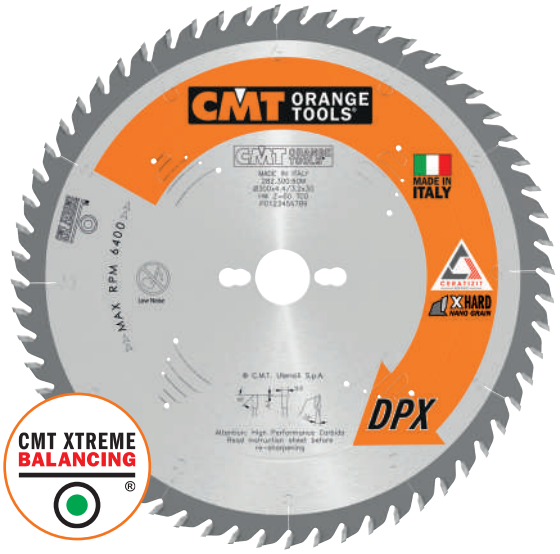
COMBI3 PIN HOLE:
2/7/42mm 2/9/46.4mm 2/10/60mm



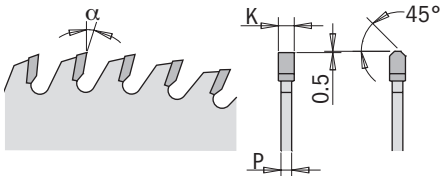
COMBI5 PIN HOLE:
2/7/110mm 2/14/110mm 4/19/120mm
2/8.4/130mm 4/9/100mm



COMBI7 PIN HOLE:
2/10/80mm 1/11/85mm 2/11/115mm
2/11/148mm 2/14/100mm 2/14/125mm



282 XTREME



HW

PERFORMANCE

WOOD

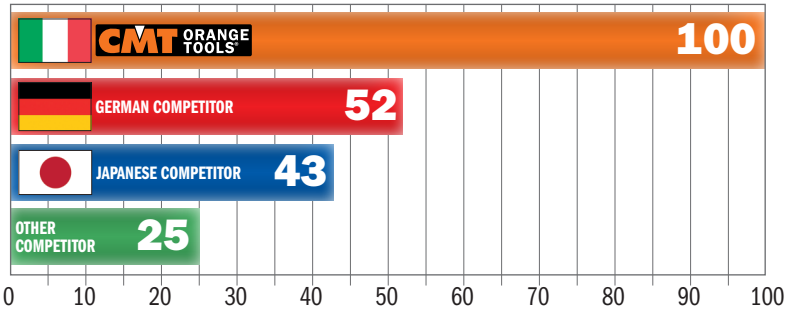
CERATIZIT GROUP

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.

% METERS CUT ON CHIPBOARD PANELS

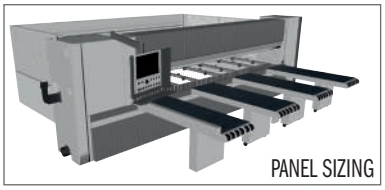


UP TO 4X THAN COMPETITORS

DPX

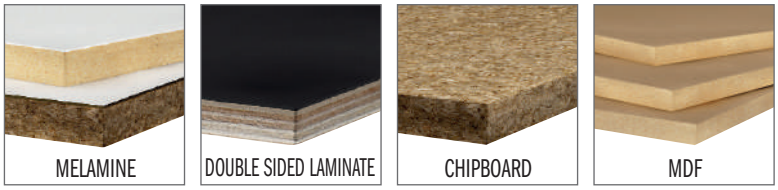
HOW TO RE-SHARPEN A CMT DPX BLADE

MACHINES



PANEL SIZING

MATERIALS

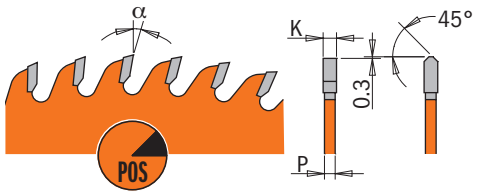


MELAMINE | DOUBLE SIDED LAMINATE | CHIPBOARD | MDF

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



284 ORANGE SHIELD® INDUSTRIAL



CMT XTREME BALANCING®

CARBIDE TIPPED

PERFORMANCE

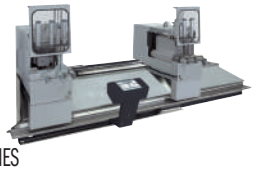
NON-FERROUS

MACHINES

*WITH MEC/MAN WORKPIECE CLAMPING


MITER SAW

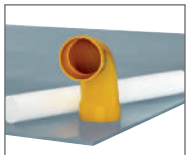

DOUBLE MITER SAWS


DOUBLE HEAD SAWING MACHINES

Blade diameter compatibility is contingent on machine type.

MATERIALS


ALUMINUM


PLASTICS


COPPER


BRASS

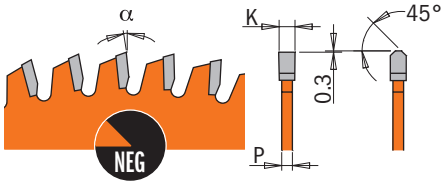
For specific details regarding suggested materials, please check blade label.

ORDER NO.		D inches	D mm	T	B inches		β	K inches	P inches	α
284.700.10	1	10	254	96	5/8		TCG	0.126	0.098	6°
284.720.12	1	12	305	108	1		TCG	0.126	0.098	6°



225-296-297 ORANGE SHIELD® INDUSTRIAL

CARBIDE TIPPED



NON-FERROUS

CMT XTREME BALANCING®

MACHINES


CIRCULAR SAW


MITER SAW


RADIAL ARM SAW


SLIDE MITER SAW

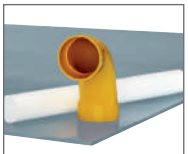

STATIONARY TABLE SAW

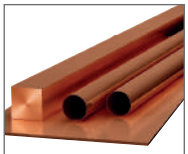

PORTABLE TABLE SAW

Blade diameter compatibility is contingent on machine type.

MATERIALS


ALUMINUM


PLASTICS


COPPER


BRASS


MELAMINE

225

CMT XTREME BALANCING®

★★★★★ PERFORMANCE

ORDER NO.		D inches	D mm	T	B inches		β	K inches	P inches	α
225.060.08	1	8-1/2	216	60	5/8		TCG	0.122	0.098	-7°
225.672.10	1	10	254	80	5/8		TCG	0.126	0.098	-6°
225.696.12	1	12	305	96	1		TCG	0.126	0.098	-6°
225.709.12	1	12	305	108	5/8		TCG	0.126	0.098	-6°
225.700.14* ■	1	14	355	100	1		TCG	0.126	0.098	-6°
225.720.14	1	14	355	120	1		TCG	0.142	0.118	-6°
225.700.16*	1	16	406	100	1		TCG	0.150	0.126	-6°
225.728.18* ■	1	18	457	128	1		TCG	0.150	0.126	-6°

296-297 FOR MACHINES WITH METRIC ARBOR

★★★★☆ PERFORMANCE

ORDER NO.		D inches	D mm	T	B mm	PIN HOLE	β	K inches	P inches	α
296.160.56H ●	10	-	160	56	20	2/6/32	TCG	0.087	0.064	-6°
296.165.56H ■	10	6-1/2	165	56	20	2/6/32	TCG	0.087	0.064	-6°
296.210.64M ●	10	8-1/4	210	64	30	2/7/42	TCG	0.110	0.087	-6°
297.080.11M* ●	5	-	260	80	30	COMBI3	TCG	0.126	0.098	-6°

● Ideal for FESTOOL® & others *NOT ORANGE SHIELD® ■ *Until stock last*

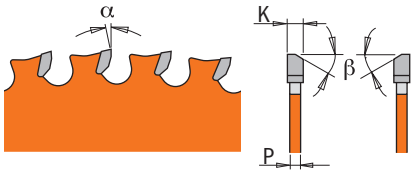
■ Ideal for Track Saws

® Brand names mentioned in CMT products are the property of their respective owners (see page 376)

CMT ORANGE TOOLS®



226 ORANGE SHIELD® INDUSTRIAL



CARBIDE TIPPED

PERFORMANCE

METAL & STEEL

MACHINES


CIRCULAR SAW


MITER & CHOP MITER SAW

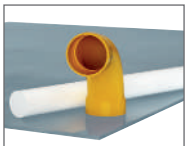
Blade diameter compatibility is contingent on machine type.

MATERIALS

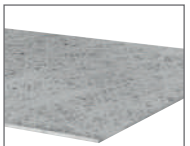

CHANNELS/STUDS/ANGLES


PLATES/SHEETS/FLAT BARS


EMT CONDUIT


PLASTICS


COPPER/BRASS

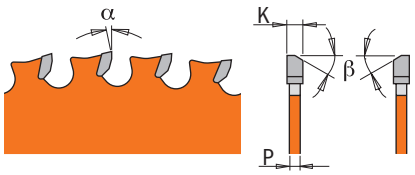

FIBERGLASS

ORDER NO.		D inches	T	B	PIN HOLE	β	K inches	P inches	α	MAX RPM
new 226.150.60H	10	5-7/8	60	20mm	-	FWF 8°	0.064	0.047	0°	6000
226.165.60H	10	6-1/2	60	20mm (+5/8”)	2/6/32	FWF 8°	0.064	0.047	0°	6000
new 226.069.07H	10	7	70	20mm	2/6/32	FWF 8°	0.071	0.055	0°	6000
new 226.070.07	5	7-1/4	70	5/8”	Knok Out < >	FWF 8°	0.071	0.055	0°	6000
226.060.10	5	10	60	1” (+5/8”)	-	FWF 8°	0.087	0.071	0°	3000
226.080.12	5	12	80	1”	-	FWF 8°	0.087	0.071	0°	2000
226.090.14	5	14	90	1”	-	FWF 8°	0.087	0.071	0°	2000

CMT ORANGE TOOLS®



226 ORANGE SHIELD® INDUSTRIAL



CARBIDE TIPPED

PERFORMANCE

METAL & STEEL

MACHINES


CIRCULAR SAW


MITER & CHOP MITER SAW

Blade diameter compatibility is contingent on machine type.

MATERIALS


CHANNELS/STUDS/ANGLES


PLATES/SHEETS/FLAT BARS


PIPES/TUBES


RODS


EMT CONDUIT

ORDER NO.		D	T	B	PIN HOLE	β	K inches	P inches	α	MAX RPM
226.030.05	10	5-3/8”	30	10mm	-	FWF 8°	0.059	0.047	0°	6000
226.030.05H	10	5-3/8”	30	20 (+10mm+1/2”)	-	FWF 8°	0.059	0.047	0°	6000
226.030.06H ●	10	160mm	30	20mm	2/6/32	FWF 8°	0.079	0.064	0°	6000
226.036.06 ■	10	6-1/2”	36	5/8”	-	FWF 8°	0.064	0.047	0°	6000
226.036.06H ■	10	165mm	36	20mm	2/6/32	FWF 8°	0.064	0.047	0°	6000
new 226.048.06	10	6-1/2”	48	5/8”	Knok Out < >	FWF 8°	0.064	0.047	0°	6000
new 226.047.07H	10	7”	48	20mm	2/6/32	FWF 8°	0.079	0.064	0°	6000
new 226.036.07	10	7-1/4”	36	5/8”	Knok Out < >	FWF 8°	0.079	0.064	0°	6000
226.048.07	10	7-1/4”	48	5/8”	-	FWF 8°	0.079	0.064	0°	6000
226.048.08	10	8-8-1/4”	48	5/8”	-	FWF 8°	0.087	0.071	0°	4500
226.048.08M ●	10	8-1/4”	48	30mm (+1”+5/8”)	2/7/42	FWF 8°	0.087	0.071	0°	4500
new 226.046.09	5	9”	46	1”	-	FWF 8°	0.079	0.064	0°	3500
226.048.10	5	10”	48	1” (+5/8”)	-	FWF 8°	0.087	0.071	0°	3000
226.060.12	5	12”	60	1”	-	FWF 8°	0.087	0.071	0°	2000
226.072.14	5	14”	72	1”	-	FWF 8°	0.087	0.071	0°	2000

● Ideal for FESTOOL® & others

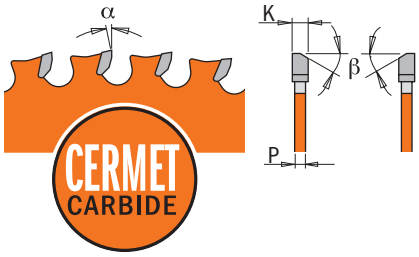
■ Ideal for Track Saws

® Brand names mentioned in CMT products are the property of their respective owners (see page 376)

CMT ORANGE TOOLS®



226 ORANGE SHIELD® INDUSTRIAL



CARBIDE TIPPED

PERFORMANCE

METAL & STEEL

MACHINES


CIRCULAR SAW


MITER & CHOP MITER 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.

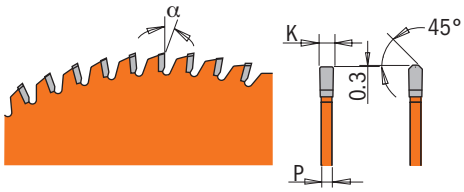
With higher degrees of hardness, performance is not guaranteed (e.g. 316)

ORDER NO.		D inches	D mm	T	B inches	β	K inches	P inches	α	MAX RPM
226.548.07	10	7-1/4	184	48	5/8	TCG	0.079	0.064	0°	6000
226.572.10	5	10	254	72	1 (+5/8)	FWF 10°	0.087	0.071	0°	3000
226.580.12	5	12	305	80	1	FWF 10°	0.087	0.071	0°	2000
226.590.14	5	14	355	90	1	FWF 10°	0.087	0.071	0°	2000

Heavy-Duty Solid Surface & Composite Decking - LONG LIFE



223 ORANGE SHIELD®
INDUSTRIAL



CMT XTREME BALANCING®

CARBIDE TIPPED

PERFORMANCE

MULTI-MATERIALS

MACHINES


CIRCULAR SAW


MITER SAW


STATIONARY TABLE SAW


SQUARING

Blade diameter compatibility is contingent on machine type.

MATERIALS


SOLID SURFACE


COMPOSITE DECKING


THICK PLASTICS

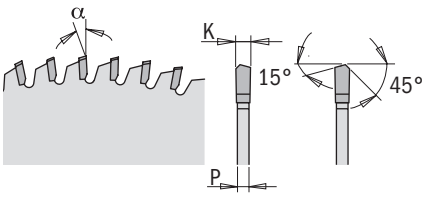
ORDER NO.		D inches	D mm	T	B inches	PIN HOLE	β	K inches	P inches	α
223.048.06H* ●	1	-	160	48	20mm	2/6/32	MTCG	0.087	0.064	0°
223.672.10	1	10	254	72	5/8	-	MTCG	0.126	0.098	0°
223.684.12	1	12	305	84	1	-	MTCG	0.126	0.098	0°

● Ideal for **FESTOOL®** & others
***ORANGE CHROME®**

® Brand names mentioned in CMT products are the property of their respective owners (see page 376)



222 INDUSTRIAL



CMT XTREME BALANCING®

CARBIDE TIPPED

PERFORMANCE

MULTI-MATERIALS

MACHINES

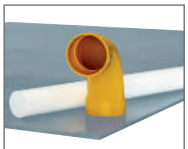

SLIDE MITER SAW

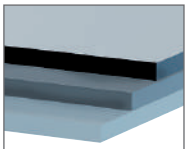

TABLE SAW


SQUARING

Blade diameter compatibility is contingent on machine type.

MATERIALS


THIN PLASTICS

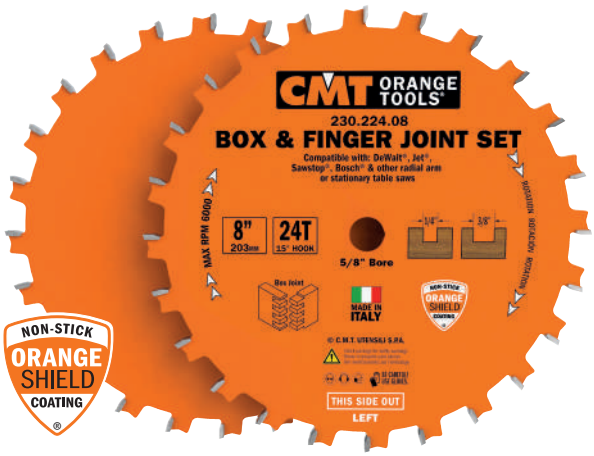

PLEXIGLASS®

ORDER NO.		D inches	D mm	T	B inches		β	K inches	P inches	α
222.080.10	1	10	254	80	5/8		MATB	0.110	0.087	-3°
222.096.12	1	12	305	96	1		MATB	0.110	0.087	-3°

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new

CMT ORANGE TOOLS®



230.224

CARBIDE TIPPED

PERFORMANCE

WOOD

Yet another practical solution for making box and finger joints easily and quickly. This set contains two identical blades featuring 24 teeth and 5/8" bore. This not only offers the distinctive advantage of producing 1/4" grooves with the use of one single blade but also extends the groove to 3/8" thickness by laying the two blades upon each other, with no setting and shims needed.

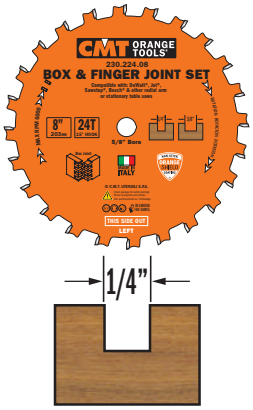
The set highlights:

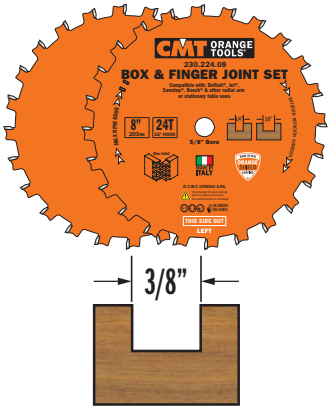
- Excellent and precise cuts on soft and hardwood for fine joinery
- Only one cutter, instead of two, is required for producing 1/4" thick grooves, no longer two
- 3 shims for adjustment after re-sharpening
- You will need to lay two cutters upon each other for making 3/8" grooves.

SET INCLUDES:

Left Outside Blade 8" (qty: 1)
Right Outside Blade 8" (qty: 1)
Shims 0.004" (qty: 3)
Shim 0.008" (qty: 2)

SPARE PART SET: 299.000.09

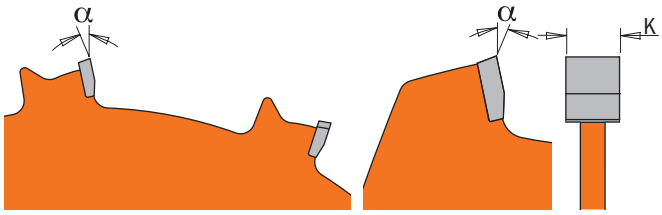


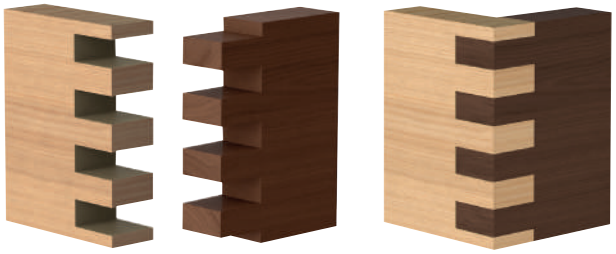


Sturdy reusable carrying case



U.S. Patent No. Des. D621155





ORDER NO.		D inches	D mm	T	B inches	SHIMS	β	K inches	P inches	α
230.224.08	3	8	203	24+24	5/8	2 x 0.004 + 1 x 0.012	FLAT	1/4" -> 3/8"	-	0°



230.012

CARBIDE TIPPED

PERFORMANCE

WOOD

CMT designed a new Dado Pro Set with the following features:
- Ideal for tongue & groove, shelving and rabbets in in solid wood, laminates & melamines, veneer plywood.
- ORANGE SHIELD COATING® protect from heat, gumming and corrosion.
- New Setting Points for chippers alignment.
- Includes shims and spacers set for micro-thinadjustability.
- Ideal for underpowered saws.

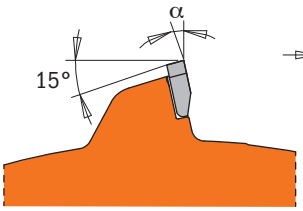


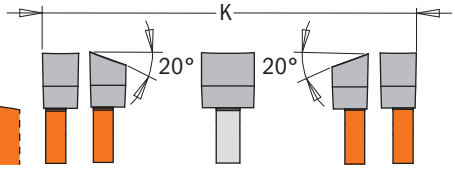
Read instructions sheet before use (you can also download it from our website).
Always use both outside blades. Never use the chippers by themselves, or with only one outside blade.
Securely fasten CMT Dado on machine using manufacturer's recommended dado arbor nut.

MACHINES


RADIAL ARM SAW


STATIONARY TABLE SAW





LEFT BLADE CHIPPERS RIGHT BLADE

Sturdy reusable carrying case



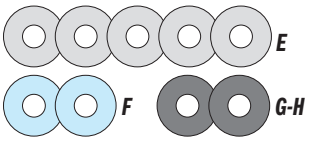
SET INCLUDES:



2 BLADES


3 CHIPPERS


3 SPACERS



8 SHIMS

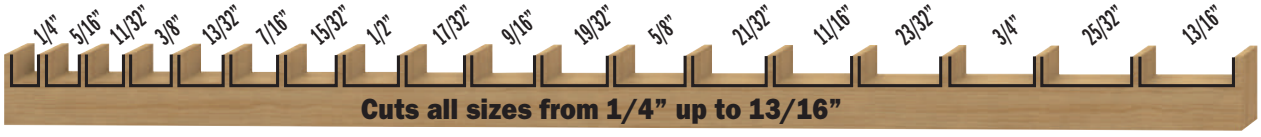






Nominal Widths	1/4"	5/16"	11/32"	3/8"	13/32"	7/16"	15/32"	1/2"	17/32"	9/16"	19/32"	5/8"	21/32"	11/16"	23/32"	3/4"	25/32"	13/16"
Left Blade	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Right Blade	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Chipper 1/8"	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	3	3	3
Spacer 1/16"	0	1	1	0	0	1	1	0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

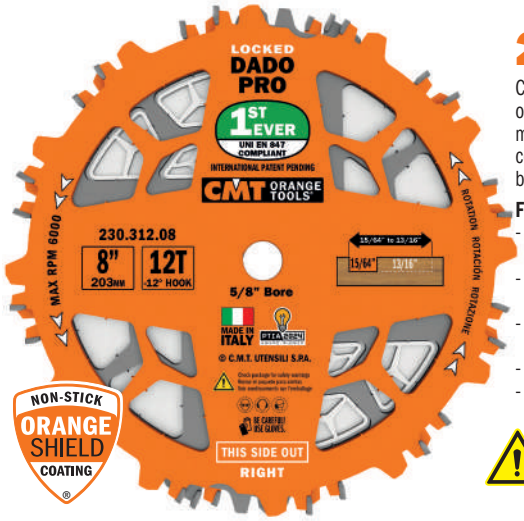

For flat bottom grooves & virtually splinter-free cuts



ORDER NO.		D inches	D mm	T	B inches	CHIPPERS	β	K inches	SPACER	α
230.012.08	3	8	203	12+12	5/8	3 x 1/8"	ATB 20° + FLAT	1/4 -> 13/16	3 x 1/16"	-12°

Spare parts: **299.000.09** Dado Pro Shim Set

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, laminatess & melamines, veneer plywood.
- 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.

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.

CARBIDE TIPPED

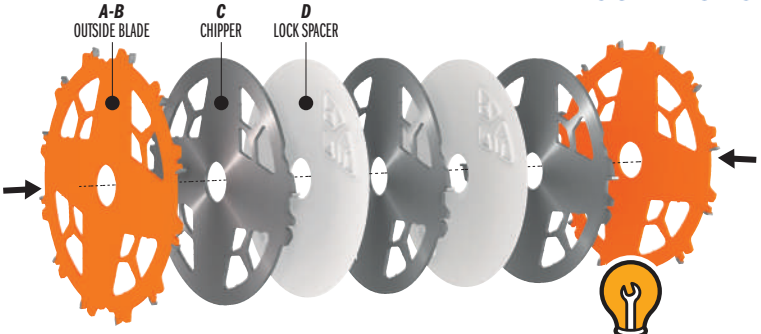
★★★★★ PERFORMANCE

WOOD

1ST EVER UNI EN 847 COMPLIANT

First ever DADO in compliance with EU REGULATIONS





MATERIALS


WOOD


LAMINATES & MELAMINES


VENEERED PLYWOODS

MACHINES


RADIAL ARM SAW

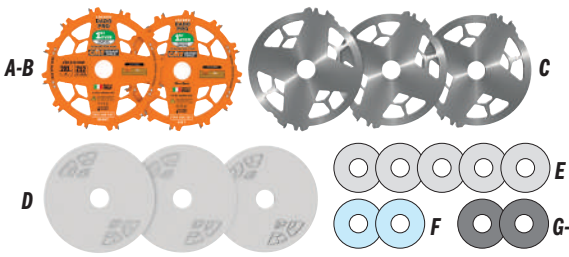

STATIONARY TABLE SAW

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





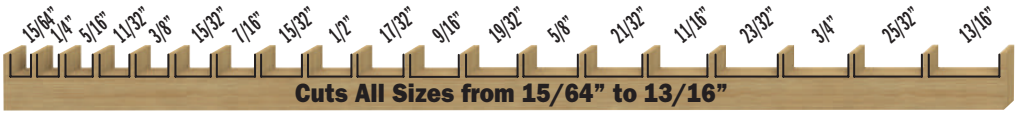
SET INCLUDES:

- ***A*** - Left Outside Blade 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)

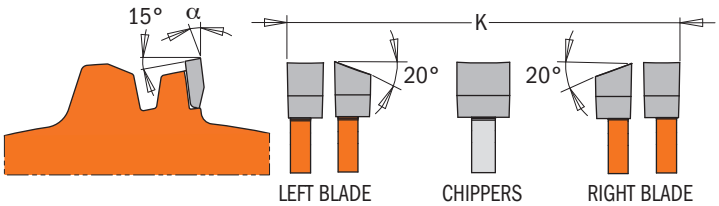
SPARE PART SET: 299.000.09

INSTRUCTIONS ON FRONT & BACK OF INSERT MUST BE USED TOGETHER

Download instructions sheets from our website



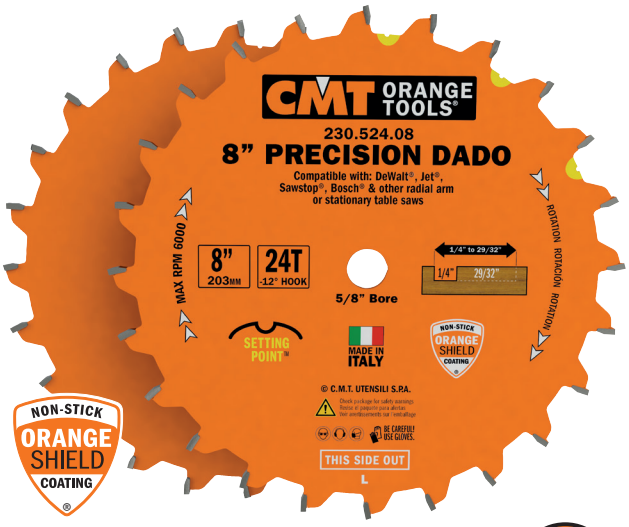
Nominal Widths	15/64"	1/4"	5/16"	11/32"	3/8"	13/32"	7/16"	15/32"	1/2"	17/32"	9/16"	19/32"	5/8"	21/32"	11/16"	23/32"	3/4"	25/32"	13/16"
Left Blade	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Right Blade	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chipper 1/8"	0	0	0	0	1	1	1	2	2	2	2	3	3	3	3	3	3	3	3
Lock Spacer 1/16"	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



ORDER NO.		D inches	D mm	T	B inches	CHIPPERS	β	K inches	SPACER	α
230.312.08	3	8	203	12+12	5/8	3 x 1/8"	ATB 20° + FLAT	15/64" -> 13/16"	3 x 1/16"	-12°

® Brand names mentioned in CMT products are the property of their respective owners (see page 376)

CMT ORANGE TOOLS®



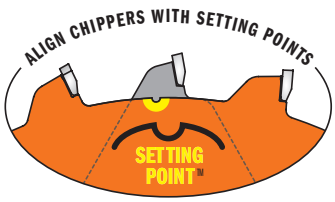
230.5

CARBIDE TIPPED

PERFORMANCE

WOOD

CMT designed a Precision Dado 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 (plastics & magnetic) and plastics "lock spacers" set for micro-thin adjustability.
- ORANGE SHIELD COATING® protect from heat, gumming and corrosion.



Read instructions sheet before use (you can also download it from our website).
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

ULTRA FINISH


WOOD


LAMINATES & MELAMINES


VENEERED PLYWOODS

MACHINES


RADIAL ARM SAW


STATIONARY TABLE SAW

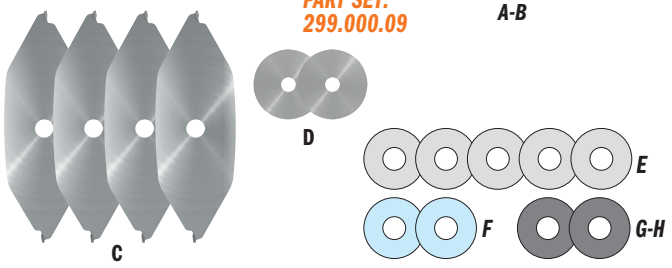
230.524.08 SET INCLUDES:

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



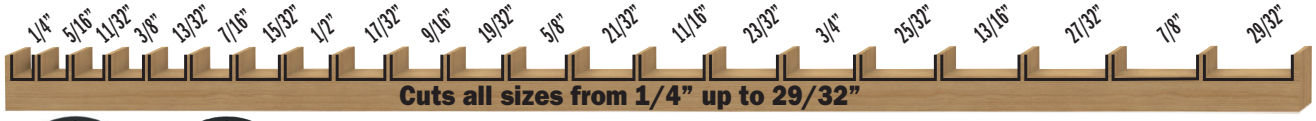
A-B





Download instructions sheets from our website

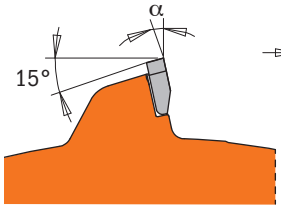
Nominal Widths	1/4"	5/16"	11/32"	3/8"	13/32"	7/16"	15/32"	1/2"	17/32"	9/16"	19/32"	5/8"	21/32"	11/16"	23/32"	3/4"	25/32"	13/16"	27/32"	7/8"	29/32"
Left Blade	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Right Blade	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chipper 1/8"	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4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

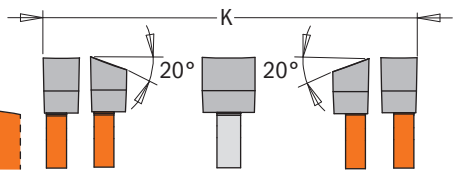



230.520.06

Sturdy reusable carrying case


230.524.08

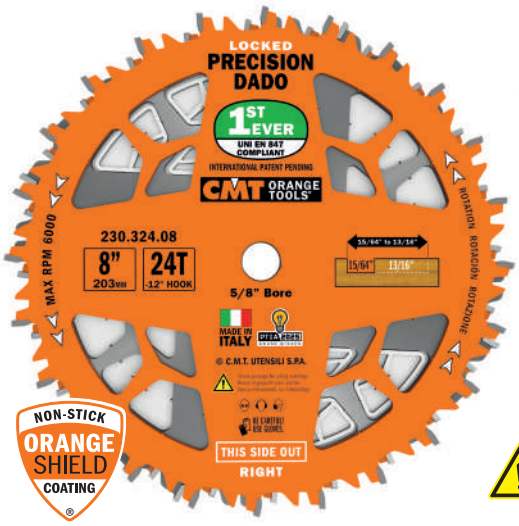




LEFT BLADE CHIPPERS RIGHT BLADE

ORDER NO.		D inches	D mm	T	B inches	CHIPPERS	β	K inches	SPACER	α
230.520.06	3	6	152	20+20	5/8	4 x 1/8"	ATB 20° + FLAT	1/4 -> 29/32	2 x 1/16"	-12°
230.524.08	3	8	203	24+24	5/8	4 x 1/8"	ATB 20° + FLAT	1/4 -> 29/32	2 x 1/16"	-12°

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.

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.

CARBIDE TIPPED

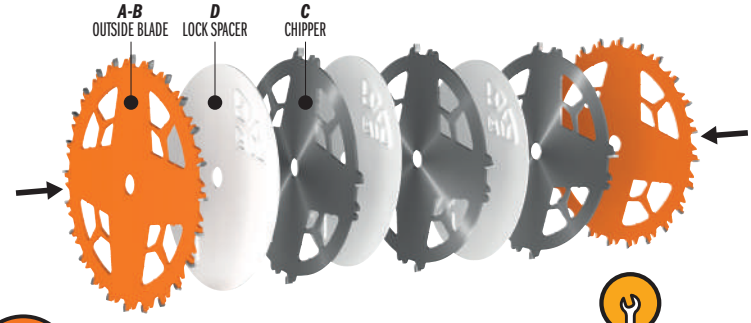
★★★★★ PERFORMANCE

WOOD

1ST EVER UNI EN 847 COMPLIANT

First ever DADO in compliance with EU REGULATIONS





MATERIALS


WOOD


LAMINATES & MELAMINES


VENEERED PLYWOODS

ULTRA FINISH

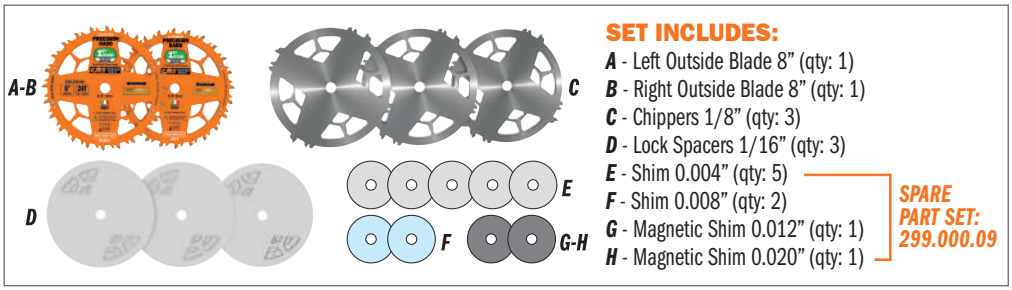
MACHINES


RADIAL ARM SAW


STATIONARY 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



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)

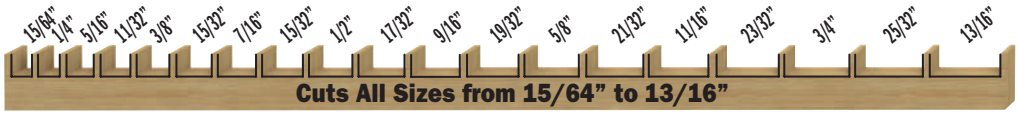
SPARE PART SET: 299.000.09

Sturdy reusable carrying case

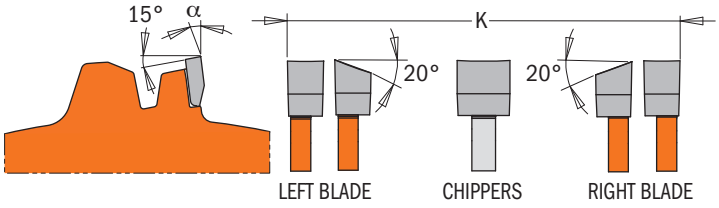


INSTRUCTIONS ON FRONT & BACK OF INSERT MUST BE USED TOGETHER

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	2	2	2	3	3	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



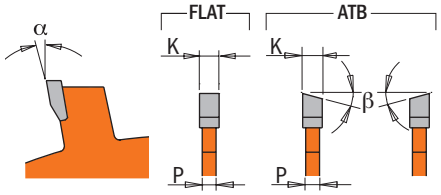
ORDER NO.		D inches	D mm	T	B inches	CHIPPERS	β	K inches	SPACER	α
230.324.08	3	8	203	24+24	5/8	3 x 1/8"	ATB 20° + FLAT	15/64" -> 13/16"	3 x 1/16"	-12°

® Brand names mentioned in CMT products are the property of their respective owners (see page 376)

Biscuit Joiner



240-241



CARBIDE TIPPED

PERFORMANCE

WOOD

MACHINES



BISCUIT JOINER

APPLICATIONS



BISCUIT JOINER

MATERIALS



WOOD

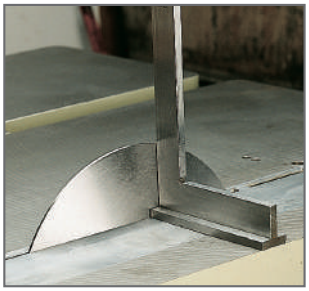


MDF

ORDER NO.		D inches	D mm	T	B mm	PIN HOLE	β	K inches	P inches	α
240.006.04	10	4	100	6	22	4/4.5 - 9.5/36	ATB 10°	0.156	0.118	18°
240.008.04	10	4	100	8	22	4/4.5 - 9.5/36	ATB 10°	0.156	0.118	15°
241.008.04 ●	10	4	100	8	22	-	FLAT	0.156	0.122-0.150	15°

● Ideal for VIRUTEX®

Calibration & Sanding Disks





299.11



If you're looking for fast and easy saw alignment and balancing, the cut calibration and sanding disk is for you. First, mount your calibration and sanding disk in your table saw and line it up with a square for accuracy. Then, remove the calibration and sanding disk and mount your saw blade for true precise cuts. You can also use the calibration and sanding disk as a sander by simply attaching self-stick sandpaper and installing the disk in your table saw.

ORDER NO.		D inches	B inches	P inches
299.111.00	10	8	5/8	0.110
299.112.00	10	10	5/8	0.110

Saw Blades Stabilizers



299.10



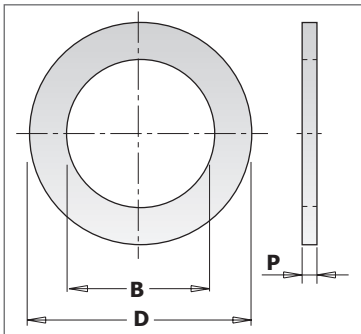
The CMT blade stabilizer virtually eliminates rim vibration to make cleaner, straighter cuts and extend the life of your CMT saw blade. It also helps lessen noise caused by vibration during cutting.

ORDER NO.		DESCRIPTION	D inches	B inches	P inches
299.101.00	5	Stabilizer (2 pcs.) for 8" blades	3	5/8	0.118
299.102.00	5	Stabilizer (2 pcs.) for 10" blades	5	5/8	0.118
299.103.00	5	Stabilizer (2 pcs.) for 12" blades	6	1	0.118

NOTE: for use on stationary saws only. Each order includes 2 stabilizers.

Reduction Rings for Saw Blades

299



D mm	B mm	P mm		ORDER NO.	D mm	B mm	P mm		ORDER NO.
15.88	10	1.2	10	299.218.00	25.4	22.2	1.4	10	299.239.00
15.88	12.7	1.2	10	299.217.00	25.4	22.2	2.3	10	299.219.00
20	15.88	1.2	10	299.245.00	30	15.88	1.4	10	299.211.00
20	15.88	1.4	10	299.243.00	30	25.4	1.6	10	299.405.00
22.2	15	1.4	10	299.237.00	30	25.4	2.0	10	299.212.00
22.2	20	1.4	10	299.238.00					
25.4	15.88	1.4	10	299.216.00					
25.4	19.05	1.4	10	299.213.00					
25.4	20	2.3	10	299.220.00					

® Brand names mentioned in CMT products are the property of their respective owners (see page 376)

XTREME

★★★★★

Construction Domination!!! Winner of the 2023, 2024 & 2025 Pro Tool Innovation Awards for Best 7-1/4" Saw Blades.
CMT's patented Low Mass Plate Design and Secured Tooth Geometry ensures that your blade provides the fastest cut, greatest resistance to nails, and longest life to provide the highest value experience. Zero Gravity and Demolition are the future presented now.

ORANGE SHIELD®NON-STICK PTFE COATING
- Protects against corrosion and rust.
- Reduces resin and residue build up.
- Reduces overheating and blade drag.
- Improves performance and cutting life

MADE IN ITALY

★★★★★ INDUSTRIAL CHROME®
★★★★★ INDUSTRIAL ORANGE SHIELD®
★★★★★ **XTREME** - ITK XTREME - ITK XPLUS
★★★★ ITK PLUS®
★★ CMT CONTRACTOR TOOLS®



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.

PREMIUM QUALITY STEEL

LASER-CUT PREMIUM-QUALITY STEEL PLATE BODY
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.

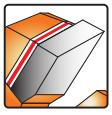
ZERO GRAVITY
XTREME FRAMING
CONSTRUCCIÓN-CARPINTERO/CHARPENTERIE
MAX RPM 8300
ROTATION ROTACIÓN ROTATION
ATB 5°
7¼" 184MM
24T
Do not Knock Out
Twist Out
NON-STICK ORANGE SHIELD COATING
MADE IN ITALY
PTIA 2024 AWARD WINNER
INT. DES. PAT. DM/235175
5/8" Bore
CMT ORANGE TOOLS®
250.324.07
BE CAREFUL! USE GLOVES.
Check package for safety warnings
Revise el paquete para alertas
Voir avertissements sur l'emballage

SINTERHIP HI-DENSITY INDUSTRIAL CHROME CARBIDE

INDUSTRIAL CHROME CARBIDE
Cutting teeth are made from a specially formulated chromium micrograin carbide which stays sharper longer by reducing cutting edge abrasion, improving cut quality and tool life.



PRECISION MIRROR FINISH SHARPENING
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.



INDUSTRIAL TRI-METAL BRAZING TECHNOLOGY EVEN ON PORTABLE BLADES
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.

ZERO GRAVITY
FRAMING - FINISH



EXCLUSIVE SECURED TOOTH GEOMETRY
- VERY EFFICIENT CHIP EVACUATION
- HANDLES THICKER MATERIALS WITH MINIMUM EFFORT
New gullet design is more efficient at clearing wood chips quickly. The saw blade becomes lighter to feed, is faster in the cut and handles thicker materials better.

BEST AT NAIL / EVER CUTTING
DEMOLITION



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.



250 XTREME FRAMING

ZERO GRAVITY

INNOVATIONS

INTERNATIONAL DESIGN PATENT DM/235175



EXCLUSIVE SECURED TOOTH GEOMETRY
- VERY EFFICIENT CHIP EVACUATION
- HANDLES THICKER MATERIALS
WITH MINIMUM EFFORT

New gullet design is more efficient at clearing wood chips quickly. The saw blade becomes lighter to feed, is faster in the cut and handles thicker materials better.



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.

CARBIDE TIPPED

★★★★★ PERFORMANCE

WOOD



EFFORTLESS CUTS ***DON'T LET YOUR BLADE BE A DRAG...***

MACHINES



OPTIMIZED FOR 7-1/4" CORDED OR CORDLESS

Blade diameter compatibility is contingent on machine type.



BULK PACK 10 PCS.

PTIA 2024 AWARD WINNER

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

MATERIALS



ORDER NO.	PACKAGING		D inches	D mm	T	B inches	β	K inches	P inches	α
250.324.06-X10	Bulk Pack 10 pcs.	50	6-1/2	165	24	5/8	ATB 5°	0.070	0.047	15°
250.324.07	Clamshell	3	7-1/4	184	24	5/8	ATB 5°	0.070	0.047	15°
250.324.07-X10	Bulk Pack 10 pcs.	50	7-1/4	184	24	5/8	ATB 5°	0.070	0.047	15°



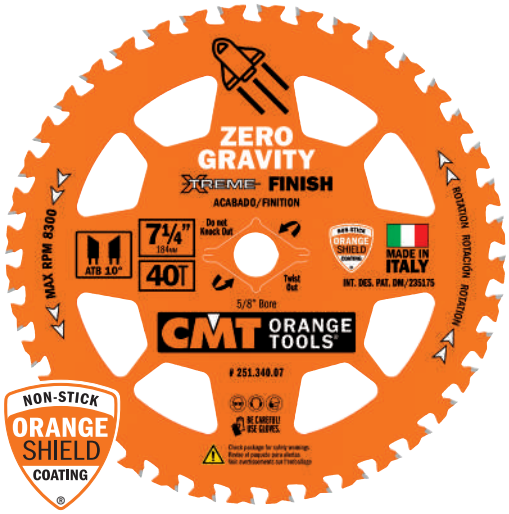
250 XTREME FRAMING WORMDRIVE

ZERO GRAVITY



250.324.07W-X10
BULK PACK 10 PCS.

ORDER NO.	PACKAGING		D inches	D mm	T	B inches	β	K inches	P inches	α
250.324.07W-X10	Bulk Pack 10 pcs.	50	7-1/4	184	24	5/8	ATB 5°	0.070	0.047	15°



EFFORTLESS CUTS — DON'T LET YOUR BLADE BE A DRAG...

251 XTREME FINISH

ZERO GRAVITY

CARBIDE TIPPED

★★★★★ PERFORMANCE

WOOD

INNOVATIONS

INTERNATIONAL DESIGN PATENT DM/235175



EXCLUSIVE SECURED TOOTH GEOMETRY
- VERY EFFICIENT CHIP EVACUATION
- HANDLES THICKER MATERIALS WITH MINIMUM EFFORT
New gullet design is more efficient at clearing wood chips quickly.
The saw blade becomes lighter to feed, is faster in the cut and handles thicker materials better.



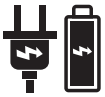
LOW MASS PLATE DESIGN
Patented design that reduces blade mass minimizes heat and substantially increases cutting efficiency with cordless and corded saws.
More cuts. Less battery.

MACHINES


MINI CORDLESS CIRC. SAW


CORDLESS CIRCULAR SAW


CIRCULAR SAW


OPTIMIZED FOR 7-1/4" CORDED OR CORDLESS

Blade diameter compatibility is contingent on machine type.

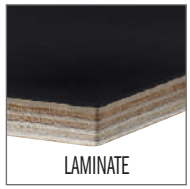
MATERIALS


WOOD


PLYWOOD


PRESSURE TREATED


OSB


LAMINATE


MELAMINE

	ORDER NO.	PACKAGING		D inches	D mm	T	B inches	β	K inches	P inches	α
new	251.324.04	Clamshell	3	4-1/2	115	24	3/8	ATB 8°	0.070	0.047	20°
	251.340.06-X10	Bulk Pack 10 pcs.	50	6-1/2	165	40	5/8 ◇	ATB 15°	0.070	0.047	10°
new	251.348.06H ■	Clamshell	1	6-1/2	165	48	20mm (+5/8)	ATB 10°	0.070	0.047	10°
	251.340.07	Clamshell	3	7-1/4	184	40	5/8 ◇	ATB 10°	0.070	0.047	15°
	251.340.07-X10	Bulk Pack 10 pcs.	50	7-1/4	184	40	5/8 ◇	ATB 10°	0.070	0.047	15°

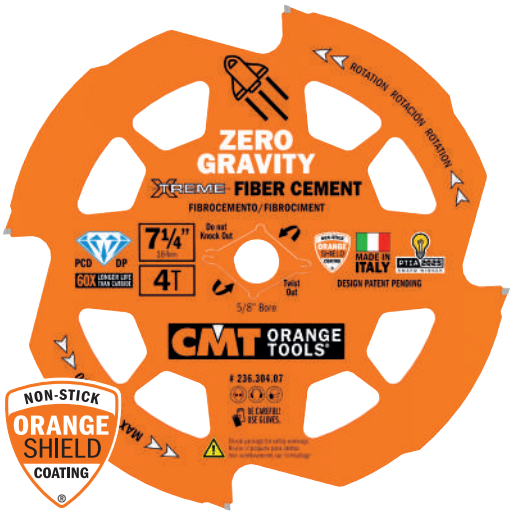
■ Ideal for Track Saws



BULK PACK 10 PCS.

new

CMT ORANGE TOOLS®



236 XTREME FIBER CEMENT

PCD DP

ZERO GRAVITY

PERFORMANCE

MULTI-MATERIALS

INNOVATIONS
DESIGN PATENT PENDING

PTIA 2025 AWARD WINNER

2025 PRO TOOL INNOVATION AWARDS
Circular Saw BLADE WINNER
"RECOGNITION FOR EXCELLENT VALUE, ADVANCED FEATURES AND INNOVATION"
www.protoolinnovationawards.com



BULK PACK 10 PCS.

MACHINES


CORDLESS CIRCULAR SAW


CIRCULAR SAW

OPTIMIZED FOR 7-1/4" CORDED OR CORDLESS

Blade diameter compatibility is contingent on machine type.

MATERIALS


FIBER CEMENT


DRYWALL

Ideal for:
SWISSPEARL®
FERMACELL®
IVARPLANK®
HARDIEPLANK®
HARDIEPANEL®
DUROCK®
CEMPLANK®
CERTAIN TEED®
NICHIHA®



EXCLUSIVE SECURED TOOTH GEOMETRY
- VERY EFFICIENT MATERIAL REMOVAL
- HANDLES THICKER MATERIALS WITH MINIMUM EFFORT
New gullet design is more efficient at clearing material quickly.
The saw blade becomes lighter to feed,
is faster in the cut and handles thicker materials better.



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.



POLYCRYSTALLINE DIAMOND
Polycrystalline diamond teeth, bonded to a carbide base, last up to 60 times longer than carbide alone. PCD/DP delivers the same cutting quality, but provides superior durability and extended tool life.

60X LONGER LIFE THAN CARBIDE



PRECISION SHARPENING WITH EROSION MACHINING
Each polycrystalline diamond tooth is precision ground using electrical discharge machinery (Erosion), providing extra-clean cutting performance and extended life.

ORDER NO.	PACKAGING		D inches	D mm	T	B inches	β	K inches	P inches	α
236.304.06	Clamshell	3	6-1/2	165	4	5/8	ATB 10°	0.075	0.047	10°
236.304.07	Clamshell	3	7-1/4	184	4	5/8	ATB 10°	0.075	0.047	10°
236.304.07-X10	Bulk Pack 10 pcs.	50	7-1/4	184	4	5/8	ATB 10°	0.075	0.047	10°



MACHINES


MITER SAW


RADIAL ARM


STATIONARY TABLE SAW

Blade diameter compatibility is contingent on machine type.

MATERIALS


FIBER CEMENT

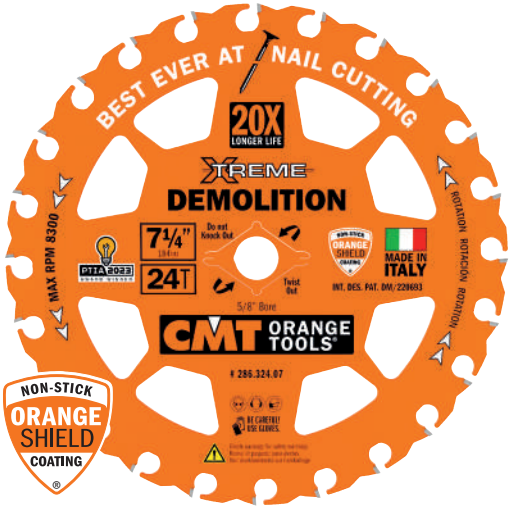

ETERNIT®

Ideal for:
SWISSPEARL®
FERMACELL®
IVARPLANK®
HARDIEPLANK®

ORDER NO.	PACKAGING		D inches	D mm	T	B inches	β	K inches	P inches	α
236.306.10	Clamshell	3	10	254	6	5/8	ATB 10°	0.087	0.064	10°
236.308.12	Clamshell	3	12	305	8	1	ATB 10°	0.087	0.064	10°

® Brand names mentioned in CMT products are the property of their respective owners (see page 376)

CMT ORANGE TOOLS®



286 XTREME DEMOLITION

CARBIDE TIPPED

INNOVATIONS

INTERNATIONAL DESIGN PATENT DM/220693

PERFORMANCE

WOOD & NAILS



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.

PTIA 2023
AWARD WINNER
2023 PRO TOOL INNOVATION AWARDS
Circular Saw BLADE WINNER
"RECOGNITION FOR EXCELLENT VALUE, ADVANCED FEATURES AND INNOVATION"
www.protoolinnovationawards.com

BEST EVER AT NAIL CUTTING

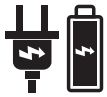


Watch the video on YouTube

MACHINES


CORDLESS CIRCULAR SAW


CIRCULAR SAW


OPTIMIZED FOR 7-1/4" CORDED OR CORDLESS

Blade diameter compatibility is contingent on machine type.

MATERIALS


DEMOLITION


WOOD/WOOD & NAILS


PRESSURE TREATED


OSB


LAMINATED BEAMS


PLYWOOD

ORDER NO.	PACKAGING		D inches	D mm	T	B inches	PIN HOLE	β	K inches	P inches	α
286.760.24H ●	Cardboard box	1	6-1/4	160	24	20mm	2/6/32	ATB 5°	0.090	0.047	5°
286.765.24H ■	Cardboard box	1	6-1/2	165	24	20mm	2/6/32	ATB 5°	0.090	0.047	5°
286.324.06-X10	Bulk Pack 10 pcs.	50	6-1/2	165	24	5/8	-	ATB 5°	0.090	0.047	5°
286.324.07	Clamshell	3	7-1/4	184	24	5/8	-	ATB 5°	0.090	0.047	5°
286.324.07-X10	Bulk Pack 10 pcs.	50	7-1/4	184	24	5/8	-	ATB 5°	0.090	0.047	5°

● Ideal for **FESTOOL®** & others
■ **Ideal for Track Saws**

286.324.06-X10
BULK PACK 10 PCS.



20X LONGER LIFE THAN COMPETITORS

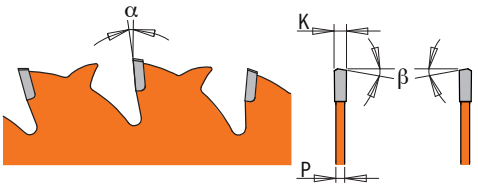


286.324.07-X10
BULK PACK 10 PCS.

® Brand names mentioned in CMT products are the property of their respective owners (see page 376)



257 XTREME



CARBIDE TIPPED

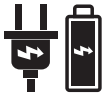
PERFORMANCE

WOOD & METAL

MACHINES


CORDLESS CIRCULAR SAW


CIRCULAR SAW


OPTIMIZED FOR 7-1/4" CORDED OR CORDLESS

Blade diameter compatibility is contingent on machine type.

MATERIALS


DEMOLITION


PRESSURE TREATED


OSB


CHANNELS/STUDS/ANGLES


RODS

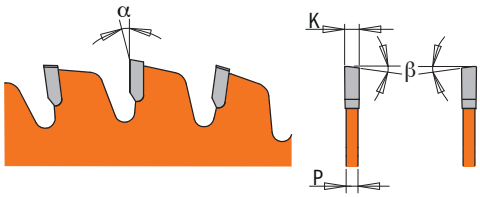

PIPES/TUBES

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

ORDER NO.	PACKAGING		D inches	D mm	T	B inches	β	K inches	P inches	α
257.036.07	Clamshell	3	7-1/4	184	36	5/8	MATB	0.067	0.047	5°



226 XTREME



CARBIDE TIPPED

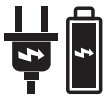
PERFORMANCE

METAL & STEEL

MACHINES


CORDLESS CIRCULAR SAW


CIRCULAR SAW


OPTIMIZED FOR 7-1/4" CORDED OR CORDLESS

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)

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

ORDER NO.	PACKAGING		D inches	D mm	T	B inches	β	K inches	P inches	α
226.348.07	Clamshell	3	7-1/4	184	48	5/8	FWF 8°	0.082	0.064	0°

ITK XTREME

CMT's Thin-Kerf is designed for the professional woodworker and construction carpenters demanding outstanding cut, minimal stock removal and the least possible stress to your saw! Additionally, our patented CMT XTreme Balancing® and Filled, Laser-Cut, Slots ensure maximum precision with every cut. Winner of the 2023 Pro Tool Innovation Award for Best Overall Table Saw Blade.

★★★★★ INDUSTRIAL CHROME®
★★★★★ INDUSTRIAL ORANGE SHIELD®
★★★★★ XTREME - **ITK XTREME** - ITK XPLUS
★★★★ ITK PLUS®
★★ CMT CONTRACTOR TOOLS®

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.
- Surface Hardness: 380-400 Vickers.

MADE IN ITALY

CMT XTREME BALANCING®

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.

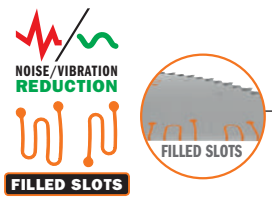
INT. PAT. PEND.

BODY FLATNESS

Blade body flatness obtained via special straightening processes that guarantee exceptional tolerances.

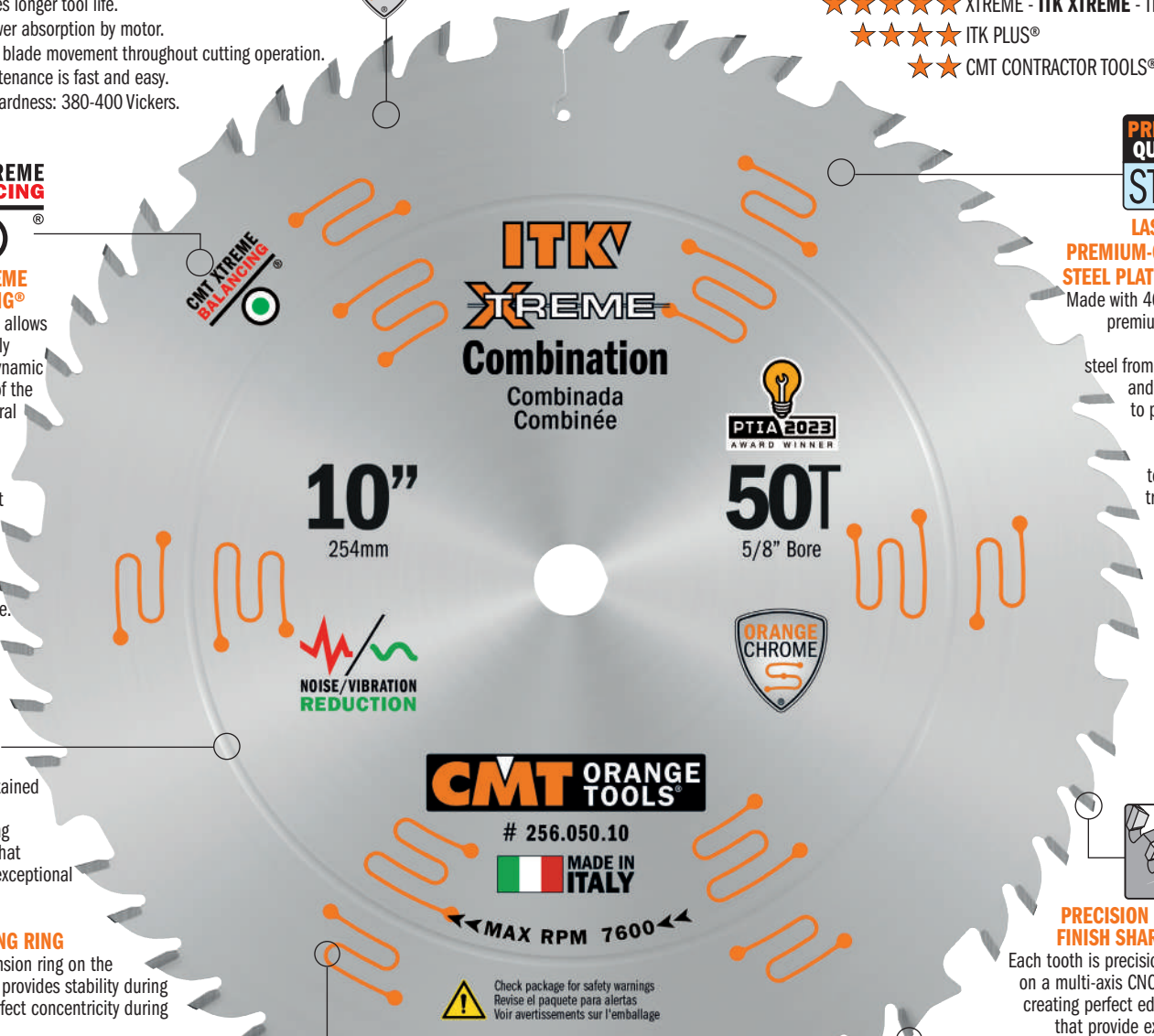
TENSIONING RING

A visible tension ring on the blade body provides stability during cut and perfect concentricity during rotation.



LASER-CUT SOUND DAMPENING SLOTS POLYMER-FILLED

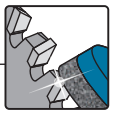
Slots filled with sound-dampening polymer reduce vibrations and noise by 25% compared to blades without it. This feature improves cut quality and extends blade life. In full compliance with National Noise Emission Standards and Regulations.



PREMIUM QUALITY STEEL

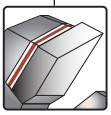
LASER-CUT PREMIUM-QUALITY STEEL PLATE BODY

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.



PRECISION MIRROR FINISH SHARPENING

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.



TRI-METAL BRAZING

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.

LASER-CUT HEAT EXPANSION SLOTS

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

SINTERHIP HI-DENSITY INDUSTRIAL CHROME CARBIDE

INDUSTRIAL CHROME CARBIDE

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.

THIN KERF

THIN-KERF DESIGN

Thin-kerf blades are ideal for cordless circular saws because they consume less power, extending battery life, and enable higher cutting speeds, improving efficiency.

ITK XPLUS

Industrial Thin-Kerf is the best fit for onsite contractors as well as woodworkers and DIY enthusiasts. This blade line delivers an outstanding cut, minimal stock removal and creates the least possible stress to your saw! The CMT Orange Shield® Coating is chemically engineered, and kiln-dried within our facility in Udine, Italy, to provide the highest level of performance and longevity for industry craftsman.

★★★★★ INDUSTRIAL CHROME®
★★★★★ INDUSTRIAL ORANGE SHIELD®
★★★★★ XTREME - ITK XTREME - **ITK XPLUS**
★★★★ ITK PLUS®
★★ CMT CONTRACTOR TOOLS®

ORANGE SHIELD® NON-STICK PTFE COATING

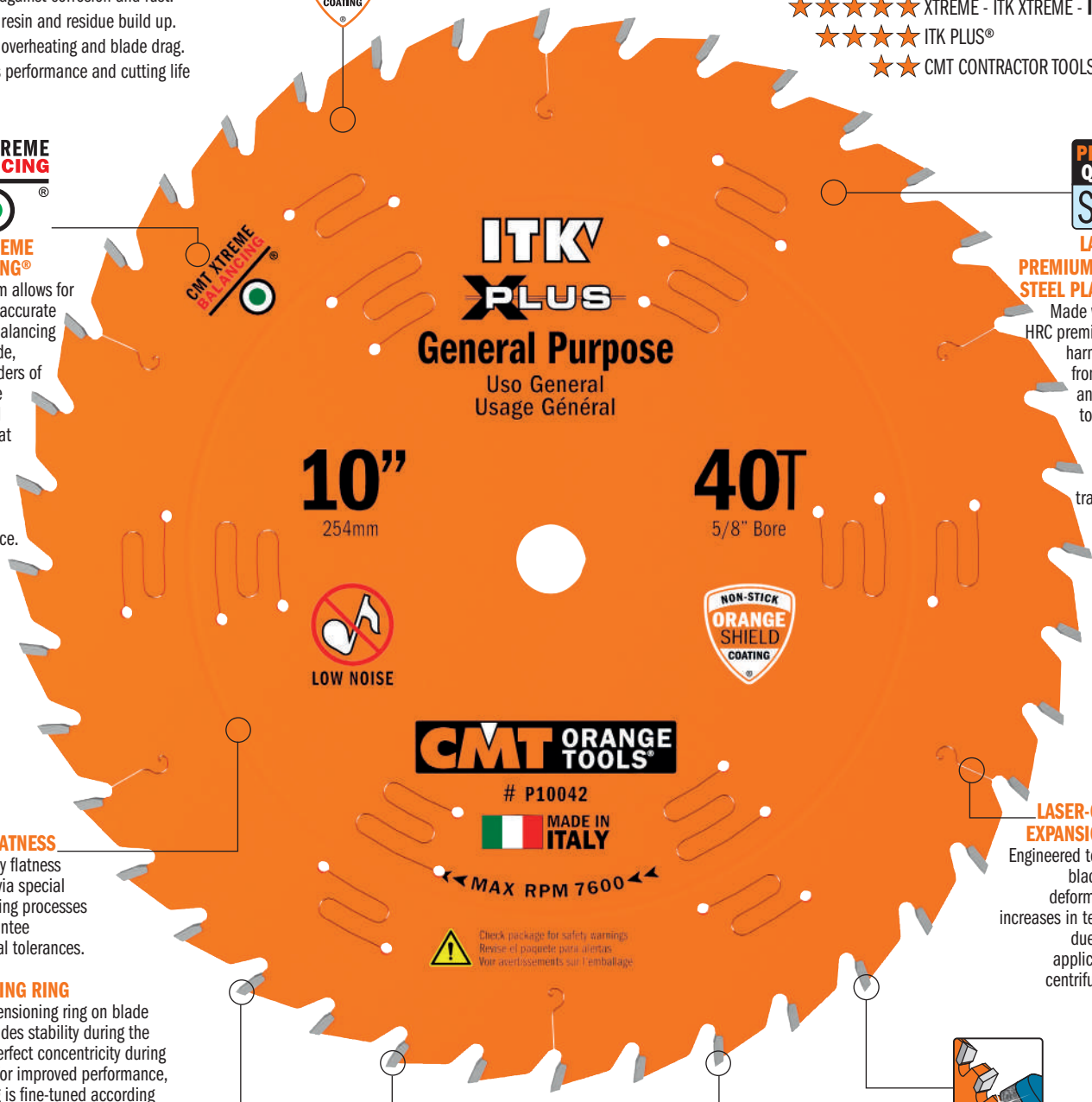
- Protects against corrosion and rust.
- Reduces resin and residue build up.
- Reduces overheating and blade drag.
- Improves performance and cutting life

MADE IN ITALY

CMT XTREME BALANCING®
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.
INT. PAT. PEND.

PREMIUM QUALITY STEEL

LASER-CUT PREMIUM-QUALITY STEEL PLATE BODY
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.

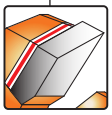


BODY FLATNESS
Blade body flatness obtained via special straightening processes that guarantee exceptional tolerances.

LASER-CUT HEAT EXPANSION SLOTS
Engineered to allow the blade to resist deformation from increases in temperature due to cutting applications and centrifugal forces.

TENSIONING RING
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.

PRECISION MIRROR FINISH SHARPENING
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.



TRI-METAL BRAZING
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.

SINTERHIP HI-DENSITY INDUSTRIAL CHROME CARBIDE

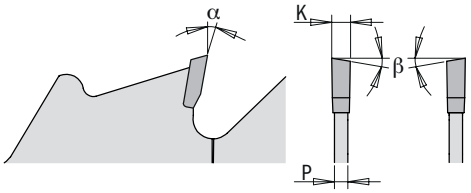
INDUSTRIAL CHROME CARBIDE
Cutting teeth are made from a specially formulated chromium micrograin carbide which stays sharper longer by reducing cutting edge abrasion, improving cut quality and tool life.

THIN KERF

THIN-KERF DESIGN
Thin-kerf blades are ideal for cordless circular saws because they consume less power, extending battery life, and enable higher cutting speeds, improving efficiency.



250 ITK XTREME













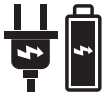
WOOD

MACHINES









OPTIMIZED FOR 8-1/4"
CORDED OR CORDLESS

Blade diameter compatibility is contingent on machine type.

APPLICATIONS



MATERIALS













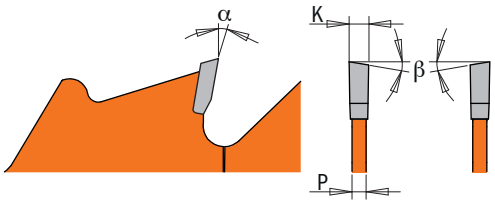
For specific details regarding suggested materials, please check blade label.

ORDER NO.	PACKAGING		D inches	D mm	T	B inches	β	K inches	P inches	α
250.024.08	Clamshell	3	8-8/1-4	210	24	5/8	ATB 15°	0.082	0.047	20°
250.024.10	Clamshell	3	10	254	24	5/8	ATB 10°	0.102	0.071	10°

CMT ORANGE TOOLS®



P ITK PLUS



CMT XTREME BALANCING®

CARBIDE TIPPED

PERFORMANCE

WOOD

MACHINES


CIRCULAR SAW


PORTABLE TABLE SAW


STATIONARY TABLE SAW

OPTIMIZED FOR 8-1/4" CORDED OR CORDLESS

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


RIPS

MATERIALS


HARDWOOD


SOFTWOOD


PLYWOOD


OSB


PRESSURE TREATED

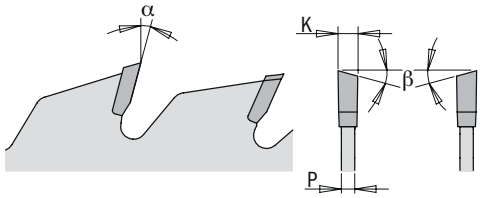

LAMINATED BEAMS

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

ORDER NO.	PACKAGING		D inches	D mm	T	B inches	β	K inches	P inches	α
P08024	Clamshell	3	8-8-1/4	210	24	5/8	ATB 15°	0.082	0.047	20°
P10024	Clamshell	3	10	254	24	5/8	ATB 10°	0.102	0.071	10°



251 ITK XTREME













WOOD

MACHINES


MITER SAW


SLIDE MITER SAW


STATIONARY TABLE SAW


PORTABLE TABLE SAW


OPTIMIZED FOR 8-1/4" & 12"
CORDED OR CORDLESS

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


RIPS


CROSS

MATERIALS


HARDWOOD


SOFTWOOD


PLYWOOD


OSB


PRESSURE TREATED


LAMINATED BEAMS

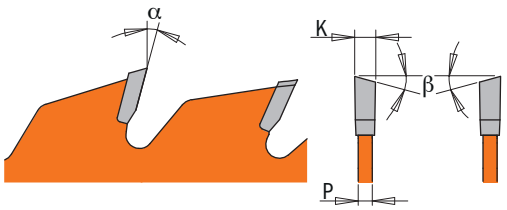
For specific details regarding suggested materials, please check blade label.

ORDER NO.	PACKAGING		D inches	D mm	T	B inches	β	K inches	P inches	α
251.042.10	Clamshell	3	10	254	40	5/8	ATB 15°	0.110	0.071	15°
251.045.12	Clamshell	3	12	305	48	1	ATB 15°	0.110	0.071	-10°

CMT ORANGE TOOLS®



P ITK PLUS



CARBIDE TIPPED

PERFORMANCE

WOOD

CMT XTREME BALANCING®

MACHINES


MITER SAW


SLIDE MITER SAW


STATIONARY TABLE SAW

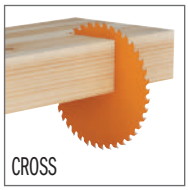

PORTABLE TABLE SAW


OPTIMIZED FOR 8-1/4" & 12" CORDED OR CORDLESS

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


RIPS


CROSS

MATERIALS


HARDWOOD


SOFTWOOD


PLYWOOD


OSB


PRESSURE TREATED


LAMINATED BEAMS

ORDER NO.	PACKAGING		D inches	D mm	T	B inches	β	K inches	P inches	α
P10042	Clamshell	3	10	254	40	5/8 ◇	ATB 15°	0.110	0.071	15°
P12042	Clamshell	3	12	305	48	1	ATB 15°	0.110	0.071	-10°

MACHINES


10-1/4" WORMDRIVE & BEAM SAW

APPLICATIONS


RIPS


CROSS

MATERIALS


BIG 4"x4"

ORDER NO.	PACKAGING		D inches	D mm	T	B inches	β	K inches	P inches	α
new **P10042W** ●	Clamshell	3	10-1/4	260	32	5/8 ◇	ATB 10°	0.102	0.071	10°

● Ideal for **BIG FOOT®**

CMT ORANGE TOOLS®



256 ITK XTREME

CARBIDE TIPPED

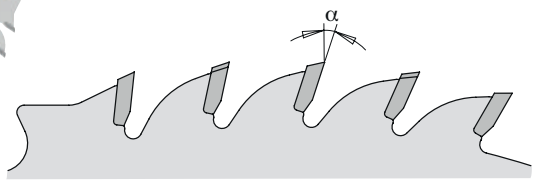
PERFORMANCE

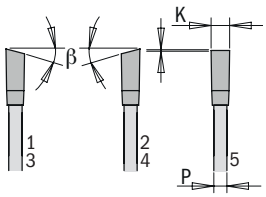
WOOD











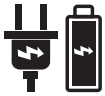
MACHINES


MITER SAW


SLIDE MITER SAW


STATIONARY TABLE SAW


PORTABLE TABLE SAW


OPTIMIZED FOR 10" & 12"
CORDED OR CORDLESS

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


RIPS


CROSS

PTIA 2023
AWARD WINNER

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

MATERIALS


HARDWOOD


SOFTWOOD


PLYWOOD


MELAMINE

ORDER NO.	PACKAGING		D inches	D mm	T	B inches	β	K inches	P inches	α
256.050.10	Clamshell	3	10	254	50	5/8	4 ATB 15°+ 1 FLAT	0.102	0.071	15°
256.060.12	Clamshell	3	12	305	60	1	4 ATB 15°+ 1 FLAT	0.102	0.071	15°

CMT ORANGE TOOLS®



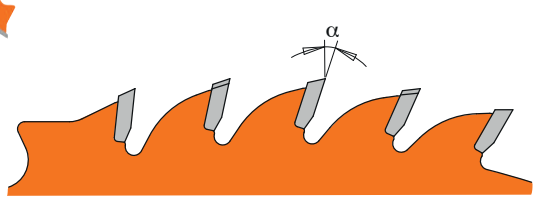
P ITK PLUS

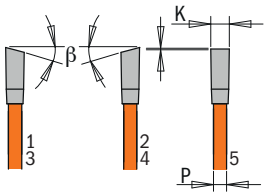
CMT XTREME BALANCING®

CARBIDE TIPPED

PERFORMANCE

WOOD





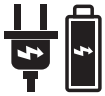
MACHINES


MITER SAW


SLIDE MITER SAW


STATIONARY TABLE SAW


PORTABLE TABLE SAW


OPTIMIZED FOR 10" & 12"
CORDED OR CORDLESS

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


RIPS


CROSS

MATERIALS


HARDWOOD


SOFTWOOD


PLYWOOD

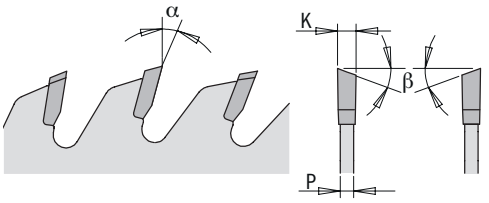

MELAMINE

ORDER NO.	PACKAGING		D inches	D mm	T	B inches	β	K inches	P inches	α
P10050	Clamshell	3	10	254	50	5/8	4 ATB 15°+ 1 FLAT	0.102	0.071	15°
new **P12060**	Clamshell	3	12	305	60	1	4 ATB 15°+ 1 FLAT	0.102	0.071	15°

CMT ORANGE TOOLS®



251 - 252 ITK XTREME



CARBIDE TIPPED

PERFORMANCE

WOOD







MACHINES

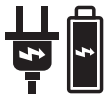

CIRCULAR SAW


PORTABLE TABLE SAW


MITER SAW


SLIDE MITER SAW


STATIONARY TABLE SAW


OPTIMIZED FOR 8-1/4" CORDED OR CORDLESS

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


RIPS


CROSS

MATERIALS


HARDWOOD/ SOFTWOOD


PLYWOOD


VENERED PLYWOOD


OSB


MELAMINE


MDF


MOLDING


PRESSURE TREATED

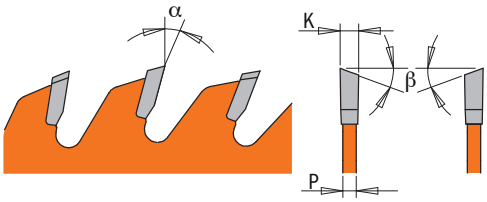
For specific details regarding suggested materials, please check blade label.

ORDER NO.	PACKAGING		D inches	D mm	T	B inches	β	K inches	P inches	α
251.040.08	Clamshell	3	8-8/1-4	210	40	5/8	ATB 15°	0.094	0.064	10°
252.060.10	Clamshell	3	10	254	60	5/8	ATB 20°	0.102	0.071	15°
252.072.12	Clamshell	3	12	305	80	1	ATB 20°	0.118	0.087	15°

CMT ORANGE TOOLS®



P ITK PLUS



CMT XTREME BALANCING®

CARBIDE TIPPED

PERFORMANCE

WOOD

MACHINES

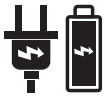

CIRCULAR SAW


PORTABLE TABLE SAW


MITER SAW


SLIDE MITER SAW


STATIONARY TABLE SAW


OPTIMIZED FOR 8-1/4" CORDED OR CORDLESS

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


RIPS


CROSS

MATERIALS


HARDWOOD/ SOFTWOOD


PLYWOOD


VENERED PLYWOOD


OSB


MELAMINE


MDF

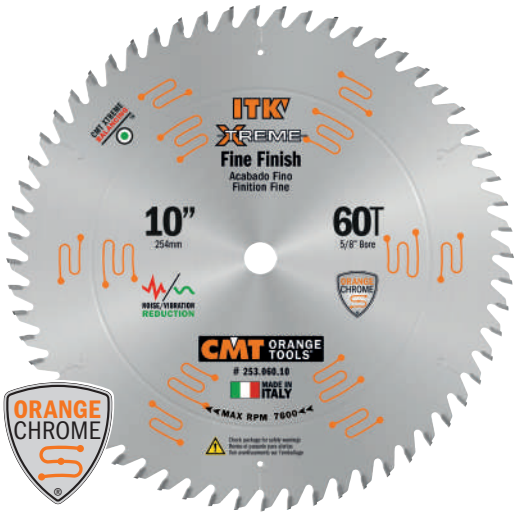

MOLDING


PRESSURE TREATED

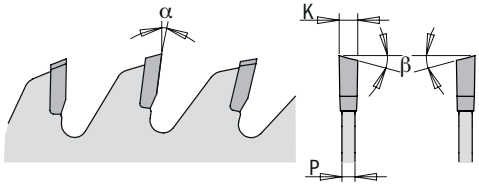
For specific details regarding suggested materials, please check blade label.

ORDER NO.	PACKAGING		D inches	D mm	T	B inches	β	K inches	P inches	α
P08040	Clamshell	3	8-8-1/4	210	40	5/8	ATB 15°	0.094	0.064	10°
P10060	Clamshell	3	10	254	60	5/8	ATB 20°	0.102	0.071	15°
P12072	Clamshell	3	12	305	80	1	ATB 20°	0.118	0.087	15°

CMT ORANGE TOOLS®



253 ITK XTREME













WOOD

MACHINES

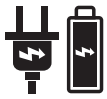












OPTIMIZED FOR 10" & 12"
CORDED OR CORDLESS

Blade diameter compatibility is contingent on machine type.

APPLICATIONS



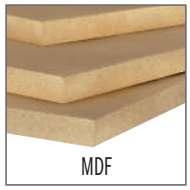
MATERIALS













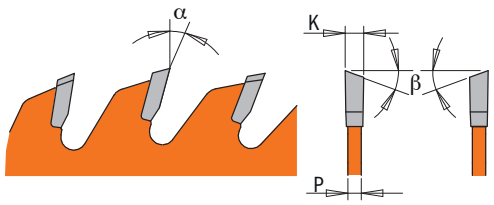
For specific details regarding suggested materials, please check blade label.

ORDER NO.	PACKAGING		D inches	D mm	T	B inches	β	K inches	P inches	α
253.060.08	Clamshell	3	8/1-2	216	60	5/8	ATB 15°	0.094	0.055	7°
253.060.10	Clamshell	3	10	254	60	5/8	ATB 15°	0.102	0.071	7°
253.072.12	Clamshell	3	12	305	72	1	ATB 15°	0.102	0.071	7°
253.096.14	Clamshell	3	14	355	96	1	ATB 15°	0.110	0.071	7°

CMT ORANGE TOOLS®



P ITK PLUS



CMT XTREME BALANCING®

CARBIDE TIPPED

PERFORMANCE

WOOD

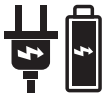
MACHINES


MITER SAW


SLIDE MITER SAW

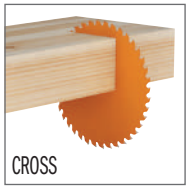

RADIAL ARM SAW


PORTABLE TABLE SAW


OPTIMIZED FOR 10" & 12"
CORDED OR CORDLESS

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


CROSS

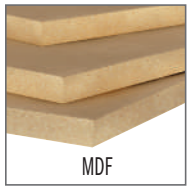
MATERIALS


HARDWOOD


SOFTWOOD


PLYWOOD


MELAMINE


MDF

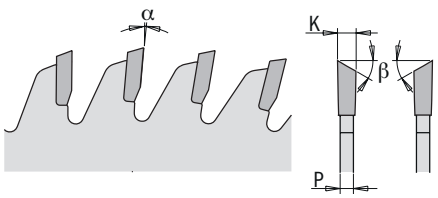

MOLDING

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

ORDER NO.	PACKAGING		D inches	D mm	T	B inches	β	K inches	P inches	α
P08060S	Clamshell	3	8-1/2	216	60	5/8	ATB 15°	0.094	0.055	7°
P10060S	Clamshell	3	10	254	60	5/8	ATB 15°	0.102	0.071	7°
P12072S	Clamshell	3	12	305	72	1	ATB 15°	0.102	0.071	7°



255 ITK XTREME













WOOD

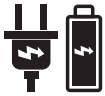
MACHINES


MITER SAW


SLIDE MITER SAW


STATIONARY TABLE SAW


PORTABLE TABLE SAW


OPTIMIZED FOR 10" & 12"
CORDED OR CORDLESS

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


CROSS

MATERIALS


HARDWOOD


SOFTWOOD


VENERED PLYWOOD


MELAMINE


MDF

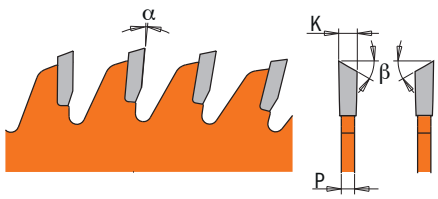

PANELING

ORDER NO.	PACKAGING		D inches	D mm	T	B inches	β	K inches	P inches	α
255.080.10	Clamshell	3	10	254	80	5/8	Hi-ATB 30°	0.110	0.071	5°
255.096.12	Clamshell	3	12	305	96	1	Hi-ATB 30°	0.102	0.071	-5°

CMT ORANGE TOOLS®



P ITK PLUS



CMT XTREME BALANCING®

CARBIDE TIPPED

PERFORMANCE

WOOD

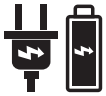
MACHINES


MITER SAW


SLIDE MITER SAW


STATIONARY TABLE SAW


PORTABLE TABLE SAW


OPTIMIZED FOR 10" & 12"
CORDED OR CORDLESS

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


CROSS

MATERIALS


HARDWOOD


SOFTWOOD


VENERED PLYWOOD


MELAMINE


MDF

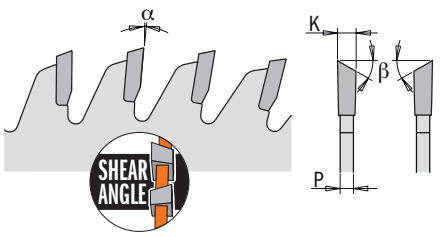

PANELING

ORDER NO.	PACKAGING		D inches	D mm	T	B inches	β	K inches	P inches	α
P10080	Clamshell	3	10	254	80	5/8	Hi-ATB 30°	0.110	0.071	5°
P12096	Clamshell	3	12	305	96	1	Hi-ATB 30°	0.102	0.071	-5°

CMT ORANGE TOOLS®



255 ITK XTREME













WOOD

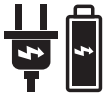
MACHINES











OPTIMIZED FOR 10" & 12"
CORDED OR CORDLESS

Blade diameter compatibility is contingent on machine type.

APPLICATIONS



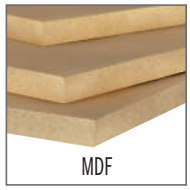
MATERIALS









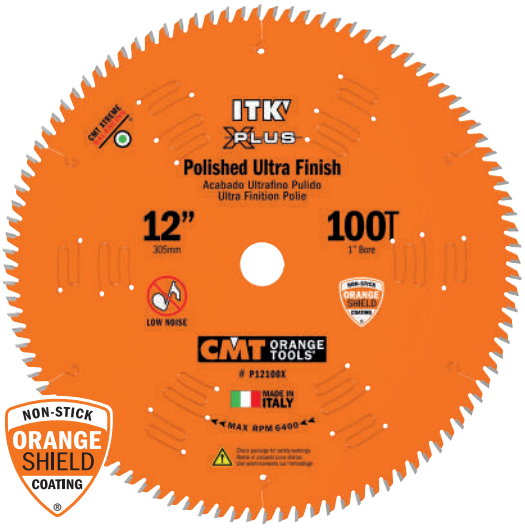




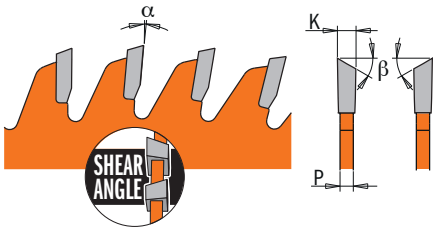
ORDER NO.	PACKAGING		D inches	D mm	T	B inches	β	K inches	P inches	α
255.090.10X	Clamshell	3	10	254	90	5/8	Hi-ATB 30° + Shear	0.087	0.064	10°
255.100.12X	Clamshell	3	12	305	100	1	Hi-ATB 30° + Shear	0.098	0.071	7°

new

CMT ORANGE TOOLS®



P ITK PLUS



CMT XTREME BALANCING®

CARBIDE TIPPED

PERFORMANCE

WOOD

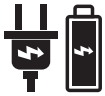
MACHINES


MITER SAW


SLIDE MITER SAW

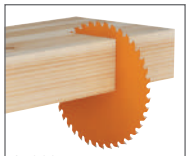

STATIONARY TABLE SAW


PORTABLE TABLE SAW


OPTIMIZED FOR 10" & 12"
CORDED OR CORDLESS

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


CROSS

MATERIALS


HARDWOOD


SOFTWOOD

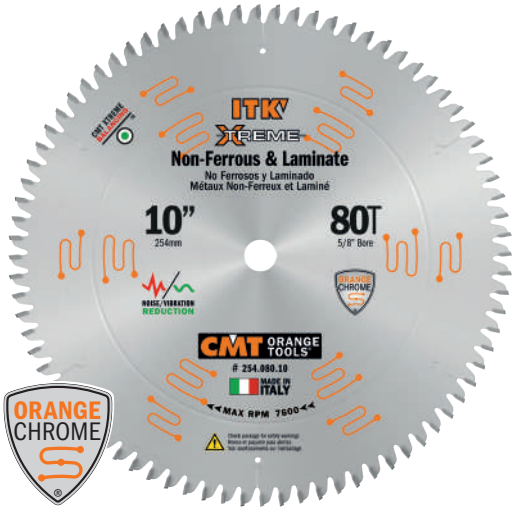

VENERED PLYWOOD


MELAMINE

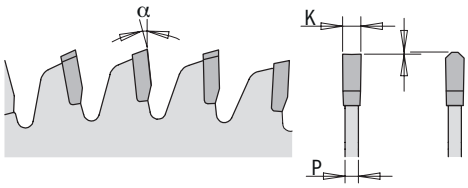

MDF


PANELING

ORDER NO.	PACKAGING		D inches	D mm	T	B inches	β	K inches	P inches	α
P12100X	Clamshell	3	12	305	100	1	Hi-ATB 30° + Shear	0.098	0.071	7°



254 ITK XTREME





NOISE/VIBRATION REDUCTION

CMT XTREME BALANCING®

CARBIDE TIPPED

PERFORMANCE

NON-FERROUS

MACHINES


CIRCULAR SAW


MITER SAW


SLIDE MITER SAW


STATIONARY TABLE SAW

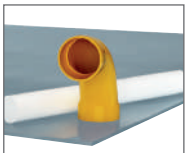

PORTABLE TABLE SAW

OPTIMIZED FOR 10" & 12" CORDED OR CORDLESS

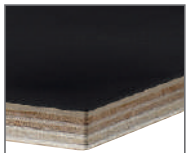
Blade diameter compatibility is contingent on machine type.

MATERIALS


ALUMINUM


PLASTIC/ FIBERGLASS


COPPER/BRASS


LAMINATE


MELAMINE


LAMINATE FLOORING

Ideal for:
TREX®
TIMBERTECH®
AZEK®
VERANDA®
CHOICEDECK®

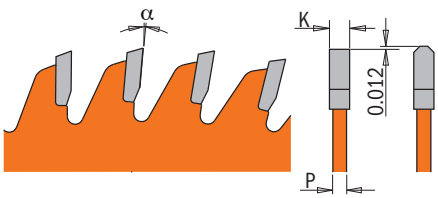
For specific details regarding suggested materials, please check blade label.

ORDER NO.	PACKAGING		D inches	D mm	T	B inches	β	K inches	P inches	α
254.056.07	Clamshell	3	7-1/4	184	60	5/8	TCG	0.098	0.064	-6°
254.080.10	Clamshell	3	10	254	80	5/8	TCG	0.102	0.071	-6°
254.096.12	Clamshell	3	12	305	96	1	TCG	0.102	0.071	-6°

CMT ORANGE TOOLS®



PITK PLUS



CMT XTREME BALANCING®

CARBIDE TIPPED

PERFORMANCE

NON-FERROUS

MACHINES


CIRCULAR SAW


MITER SAW


SLIDE MITER SAW


STATIONARY TABLE SAW


PORTABLE TABLE SAW

OPTIMIZED FOR 10" & 12" CORDED OR CORDLESS

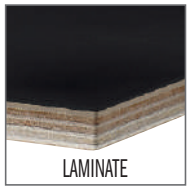
Blade diameter compatibility is contingent on machine type.

MATERIALS


ALUMINUM


PLASTIC/ FIBERGLASS


COPPER/BRASS


LAMINATE


MELAMINE


LAMINATE FLOORING

Ideal for:
TREX®
TIMBERTECH®
AZEK®
VERANDA®
CHOICEDECK®

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

ORDER NO.	PACKAGING		D inches	D mm	T	B inches	PIN HOLE	β	K inches	P inches	α
P07056N	Clamshell	3	7-1/4	184	60	5/8 ◇	-	TCG	0.098	0.064	-6°
P10080N	Clamshell	3	10	254	80	5/8	-	TCG	0.102	0.071	-6°
P12096N	Clamshell	3	12	305	96	1	-	TCG	0.102	0.071	-6°

276

PERFORMANCE

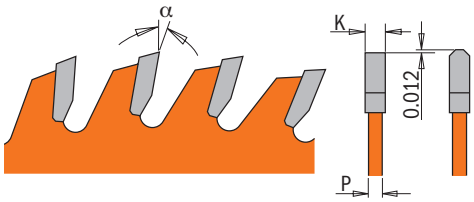
ORDER NO.	PACKAGING		D inches	D mm	T	B inches	PIN HOLE	β	K inches	P inches	α
276.160.48H ●	Cardboard box	10	-	160	48	20mm (+16)	2/6/32	TCG	0.071	0.047	-6°
276.165.56H ■	Cardboard box	10	6-1/2	165	56	20mm (+5/8)	2/6/32	TCG	0.071	0.047	-6°

● Ideal for **FESTOOL®** & others

■ **Ideal for Track Saws**



P ITKV PLUS



CMT XTREME BALANCING®

CARBIDE TIPPED

PERFORMANCE

WOOD

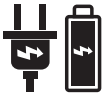
MACHINES


MITER SAW


SLIDE MITER SAW


STATIONARY TABLE SAW


PORTABLE TABLE SAW


OPTIMIZED FOR 10" & 12"
CORDED OR CORDLESS

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


CROSS

MATERIALS


HARDWOOD


SOFTWOOD


PLYWOOD


MELAMINE


LAMINATE


CHIPBOARD

ORDER NO.	PACKAGING		D inches	D mm	T	B inches	β	K inches	P inches	α
P10060L	Clamshell	3	10	254	60	5/8	TCG	0.110	0.071	10°
P12072L	Clamshell	3	12	305	72	1	TCG	0.118	0.087	10°

ITK PLUS®

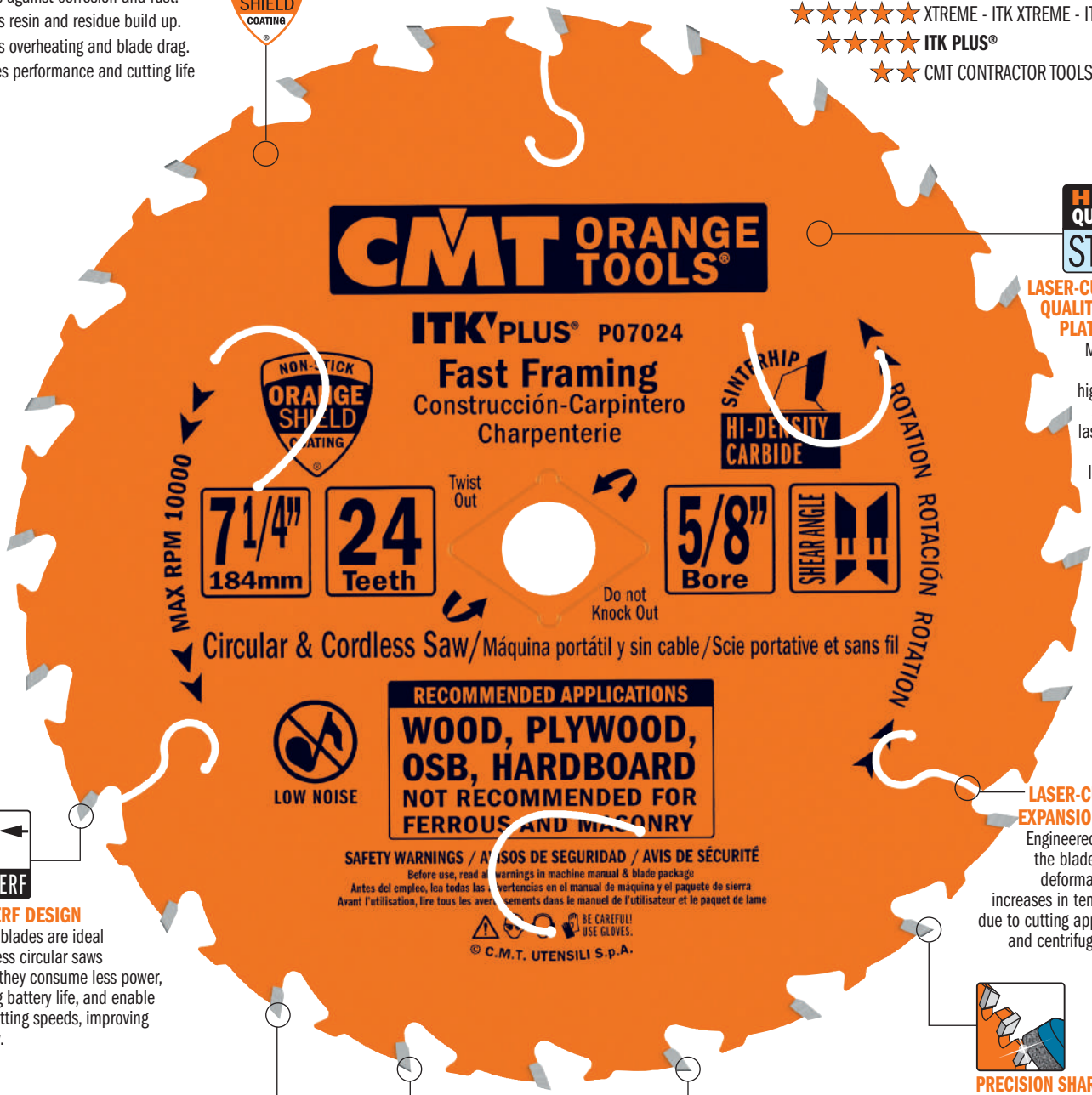
★★★★

Designed for the professional contractor and remodeler, the thin-kerf coated blade line delivers a clean, fast and effortless cut through wood and wood composite, it provides an exceptional balance of features maximizing value.

★★★★★ INDUSTRIAL CHROME®
★★★★★ INDUSTRIAL ORANGE SHIELD®
★★★★★ XTREME - ITK XTREME - ITK XPLUS
★★★★ **ITK PLUS®**
★★ CMT CONTRACTOR TOOLS®

ORANGE SHIELD® NON-STICK PTFE COATING

- Protects against corrosion and rust.
- Reduces resin and residue build up.
- Reduces overheating and blade drag.
- Improves performance and cutting life



HIGH QUALITY STEEL

LASER-CUT HIGH QUALITY STEEL PLATE BODY

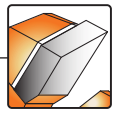
Made with 44 HRC high quality steel and laser-cut to ensure longer life and precision cutting.

LASER-CUT HEAT EXPANSION SLOTS

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

PRECISION SHARPENING

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.



SILVER BRAZING

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.

INDUSTRIAL SINTERHIP HI-DENSITY CARBIDE

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.

SHEAR ANGLE SHARPENING

The shear angle grinding, on the front face of the teeth, reduces the required cutting force thereby allowing for smoother cutting.

THIN-KERF DESIGN

Thin-kerf blades are ideal for cordless circular saws because they consume less power, extending battery life, and enable higher cutting speeds, improving efficiency.

CMT ORANGE TOOLS®

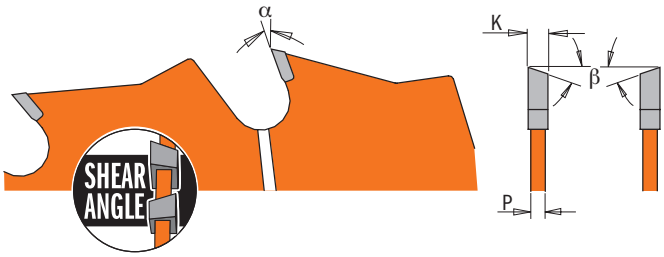


P - 271 ITK PLUS®

CARBIDE TIPPED

PERFORMANCE

WOOD



MACHINES

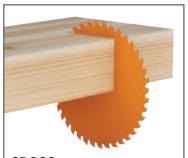

CORDLESS CIRCULAR SAW


PORTABLE TABLE SAW

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


RIPS


CROSS

MATERIALS


WOOD


PLYWOOD


OSB



BULK PACK 10 PCS.

ORDER NO.	PACKAGING		D inches	D mm	T	B inches	β	K inches	P inches	α
P06018	Clamshell	10	6-1/2	165	18	5/8	ATB 10° + Shear	0.067	0.039	20°
P06018-X10	Bulk Pack 10 pcs.	30	6-1/2	165	18	5/8	ATB 10° + Shear	0.067	0.039	20°
P07018-X10	Bulk Pack 10 pcs.	30	7-1/4	184	18	5/8	ATB 10° + Shear	0.067	0.039	20°
P07024	Clamshell	10	7-1/4	184	24	5/8	ATB 10° + Shear	0.067	0.039	20°
P07024-X10	Bulk Pack 10 pcs.	30	7-1/4	184	24	5/8	ATB 10° + Shear	0.067	0.039	20°
P08024 ●	Clamshell	10	8-8-1/4	210	24	5/8	ATB 15°	0.082	0.047	20°
271.160.24H ●	Clamshell	10	-	160	24	20mm (+16)	ATB 10° + 8° Shear	0.071	0.047	18°
271.165.24H ■	Clamshell	10	6-1/2	165	24	20mm (+5/8)	ATB 10° + 8° Shear	0.067	0.043	18°

● **ITK XPLUS**
● Ideal for **FESTOOL®** & others
■ **Ideal for Track Saws**

® Brand names mentioned in CMT products are the property of their respective owners (see page 376)

CMT ORANGE TOOLS®

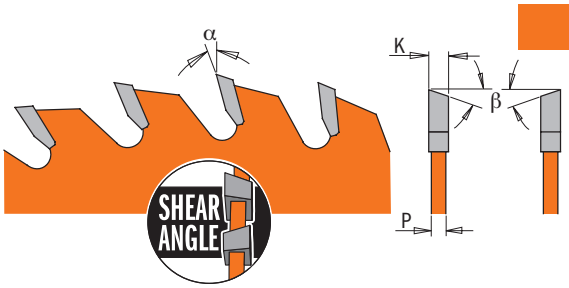


P - 272 ITK PLUS®

CARBIDE TIPPED

PERFORMANCE

WOOD



MACHINES

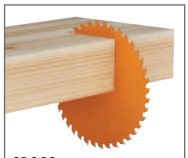

CORDLESS CIRCULAR SAW


PORTABLE TABLE SAW

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


RIPS


CROSS

MATERIALS


HARDWOOD


SOFTWOOD


PLYWOOD



BULK PACK 10 PCS.

ORDER NO.	PACKAGING		D inches	D mm	T	B inches	β	K inches	P inches	α
272.115.24	Clamshell	10	4-1/2	115	24	3/8	ATB 10° + 8° Shear	0.059	0.039	20°
P06036	Clamshell	10	6-1/2	165	36	5/8	ATB 10° + Shear	0.067	0.039	20°
P07040	Clamshell	10	7-1/4	184	40	5/8	ATB 10° + Shear	0.067	0.039	18°
P07040-X10	Bulk Pack 10 pcs.	30	7-1/4	184	40	5/8	ATB 10° + Shear	0.067	0.039	18°
P08040 ●	Clamshell	10	8-8-1/4	210	40	5/8	ATB 15°	0.094	0.064	10°
272.160.40H ■	Clamshell	10	-	160	40	20mm (+16)	ATB 10° + 8° Shear	0.071	0.047	16°
272.165.36H ■	Clamshell	10	6-1/2	165	36	20mm (+5/8)	ATB 10° + 8° Shear	0.067	0.043	20°

● **ITK XPLUS**

■ **Ideal for Track Saws**

CMT ORANGE TOOLS®

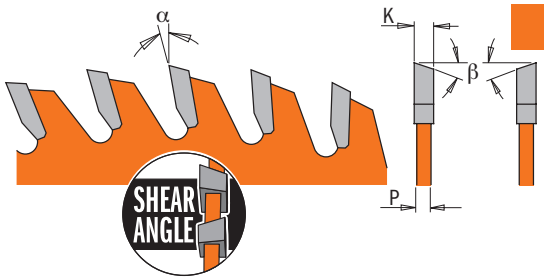
P - 273 ITK PLUS®

CARBIDE TIPPED

PERFORMANCE

WOOD





MACHINES


CORDLESS CIRCULAR SAW


PORTABLE TABLE SAW

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


CROSS

MATERIALS


HARDWOOD


SOFTWOOD


PLYWOOD


OSB


MELAMINE



BULK PACK 10 PCS.

ORDER NO.	PACKAGING		D inches	D mm	T	B inches	PIN HOLE	β	K inches	P inches	α
P06060	Clamshell	10	6-1/2	165	60	5/8	-	ATB 10° + Shear	0.067	0.039	5°
P07060	Clamshell	10	7-1/4	184	60	5/8	-	ATB 10° + Shear	0.067	0.039	5°
273.050.20D ○	Clamshell	10	-	50	20	10mm	-	ATB 10°	0.043	0.031	15°
273.080.36D ○	Clamshell	10	-	80	36	10mm	-	ATB 10°	0.064	0.039	15°
273.160.56H ●	Clamshell	10	-	160	56	20mm (+16)	2/6/32	ATB 10° + 8° Shear	0.071	0.047	12°
273.165.56H ■	Clamshell	10	6-1/2	165	56	20mm (+5/8)	2/6/32	ATB 15° + 8° Shear	0.064	0.039	12°

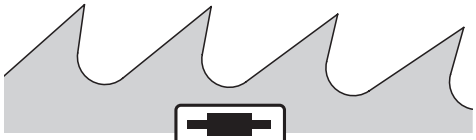
○ **Ideal for PROXXON®** (**Materials:** Wood, Plastic, Non-ferrous)
● Ideal for **FESTOOL®** & others
■ **Ideal for Track Saws**

ORDER NO.	PACKAGING		D inches	D mm	T	B inches	β	K inches	P inches	α
P07060-X10	Bulk Pack 10 pcs.	30	7-1/4	184	60	5/8	ATB 10° + Shear	0.067	0.039	5°

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P07140-X10 ITK PLUS®



HOLLOW GROUND

HQ STEEL

★★★★☆ PERFORMANCE

WOOD

HEAVY DUTY

MACHINES



CIRCULAR SAW



CORDLESS CIRCULAR SAW

Blade diameter compatibility is contingent on machine type.

APPLICATIONS

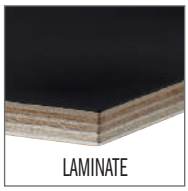


CROSS

MATERIALS



PLYWOOD



LAMINATE



VENEERED PLYWOOD



PLASTIC

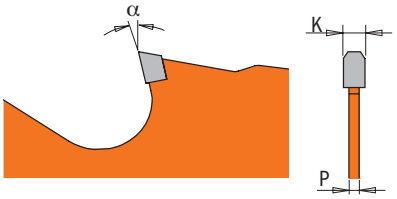


BULK PACK 10 PCS.

ORDER NO.	PACKAGING		D inches	D mm	T	B inches		K inches	P inches	α
P07140-X10	Bulk Pack 10 pcs.	30	7-1/4	184	140	5/8		0.071	0.064	5°



P07010 ITK PLUS®



CARBIDE TIPPED

PERFORMANCE

MULTI-MATERIALS

MACHINES


CORDLESS CIRCULAR SAW


CIRCULAR SAW

Blade diameter compatibility is contingent on machine type.

MATERIALS


FIBER CEMENT

Ideal for:
HARDIEPLANK®
HARDIEPANEL®
DUROCK®
CEMPLANK®
CERTAIN TEED®
NICHIHA®

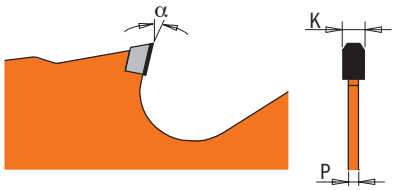
ORDER NO.	PACKAGING		D inches	D mm	T	B inches	β	K inches	P inches	α
P07010	Clamshell	10	7-1/4	184	10	5/8	TCG	0.071	0.055	12°

® Brand names mentioned in CMT products are the property of their respective owners (see page 376)

CMT ORANGE TOOLS®



236 ITK PLUS®



60X LONGER LIFE THAN CARBIDE

PCD DP

PERFORMANCE

MULTI-MATERIALS

MACHINES


CORDLESS CIRCULAR SAW


CIRCULAR SAW


MITER SAW


RADIAL ARM


STATIONARY TABLE SAW

Blade diameter compatibility is contingent on machine type.

MATERIALS


FIBER CEMENT


ETERNIT®

Ideal for:
SWISSPEARL®
FERMACELL®
IVARPLANK®
HARDIEPLANK®



BULK PACK 10 PCS.

ORDER NO.	PACKAGING		D inches	D mm	T	B inches	PIN HOLE	β	K inches	P inches	α
236.085.06G	Clamshell	10	3-3/8	85	6	15mm	-	TCG	0.071	0.055	12°
236.004.06	Clamshell	10	6-1/2	165	4	5/8	-	TCG	0.071	0.055	12°
236.165.04H ■	Clamshell	10	6-1/2	165	4	20mm (+5/8)	2/6/32	TCG	0.071	0.055	12°
236.004.07	Clamshell	10	7-1/4	184	4	5/8	-	TCG	0.071	0.055	12°
236.004.07-X10 ■	Bulk Pack 10 pcs.	30	7-1/4	184	4	5/8		TCG	0.071	0.055	12°
236.006.10	Clamshell	10	10	254	6	5/8	-	TCG	0.087	0.064	12°
236.008.12 ●	Clamshell	5	12	305	8	1	-	TCG	0.087	0.064	12°
236.160.04H ●	Clamshell	10	-	160	4	20mm	2/6/32	TCG	0.095	0.071	12°
236.190.04M ●	Clamshell	10	-	190	4	30mm	2/7/42	TCG	0.095	0.071	12°
236.210.12M	Clamshell	10	-	210	12	30mm	2/7/42	TCG	0.095	0.071	12°

■ **Ideal for Track Saws**

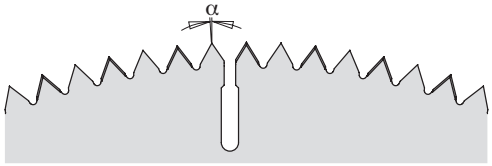
● Ideal for **FESTOOL®** & others

■ *Until stock last*

® Brand names mentioned in CMT products are the property of their respective owners (see page 376)



P07120-X10 ITK PLUS®



HQ STEEL

PERFORMANCE

MULTI-MATERIALS



MACHINES



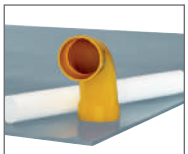
CIRCULAR SAW



CORDLESS CIRCULAR SAW

Blade diameter compatibility is contingent on machine type.

MATERIALS



PLASTIC



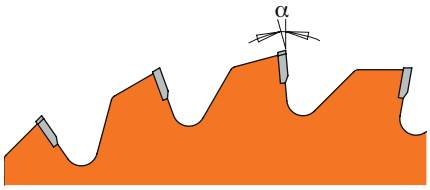
BULK PACK 10 PCS.

ORDER NO.	PACKAGING		D inches	D mm	T	B inches		K inches	P inches	α
P07120-X10	Bulk Pack 10 pcs.	30	7-1/4	184	120	5/8		0.071	0.047	5°

CMT ORANGE TOOLS®



286 ITK PLUS®



CARBIDE TIPPED

PERFORMANCE

MULTI-MATERIALS

MACHINES



POWER CUTTER

MATERIALS



WOOD/WOOD & NAILS



NON-FERROUS



THIN SHEET METAL

ORDER NO.	PACKAGING		D inches	D mm	T	B inches	β	K inches	P inches	α
286.024.12	Clamshell	5	12	305	24	1 (+20mm+7/8)	TCG	0.126	0.098	-5°
286.024.14	Clamshell	5	14	355	24	1 (+20mm+7/8)	TCG	0.137	0.110	-5°

Multi-Materials CARBIDE Wheel



ALWAYS
• USE BOTH HANDS • USE WHEEL GUARD • CLAMP WORKPIECE

286 FOR ANGLE GRINDER

CARBIDE GRIT

MULTI-MATERIALS

ORDER NO.		D inches	B inches
286.115.01	10	4-1/2	7/8 (+3/8+5/8)
286.125.01	10	5	7/8 (+20mm+5/8)
286.230.01	5	9	7/8

APPLICATIONS: examples of cutting on wood, wood & nails and plastics.







MACHINES



ANGLE GRINDER



MINI CORDLESS CIRCULAR SAW

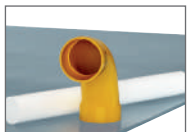
MATERIALS



WOOD



WOOD/WOOD & NAILS



PLASTICS

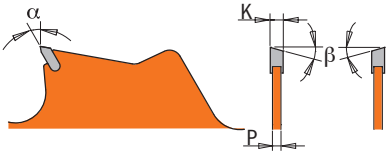


PLASTERBOARD

Blade diameter compatibility is contingent on machine type.



298



CARBIDE TIPPED

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 2 inches 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 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.

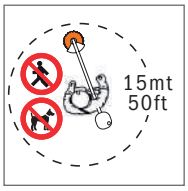
MACHINES

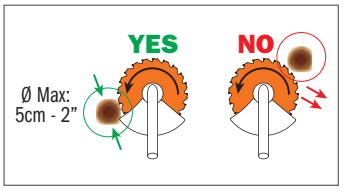

BRUSH CUTTER

MATERIALS


BUSHES & SMALL TREES
(up to a diameter of Ø5 cm)


GRASS





ORDER NO.	PACKAGING		D inches	T	B	RPM max	β	K inches	P inches	α
298.250.20	Clamshell	10	10	20	1" (+20mm)	12.000	ATB 8°	0.079	0.055	2°
298.250.40	Clamshell	10	10	40	1" (+20mm)	12.000	ATB 8°	0.079	0.055	2°

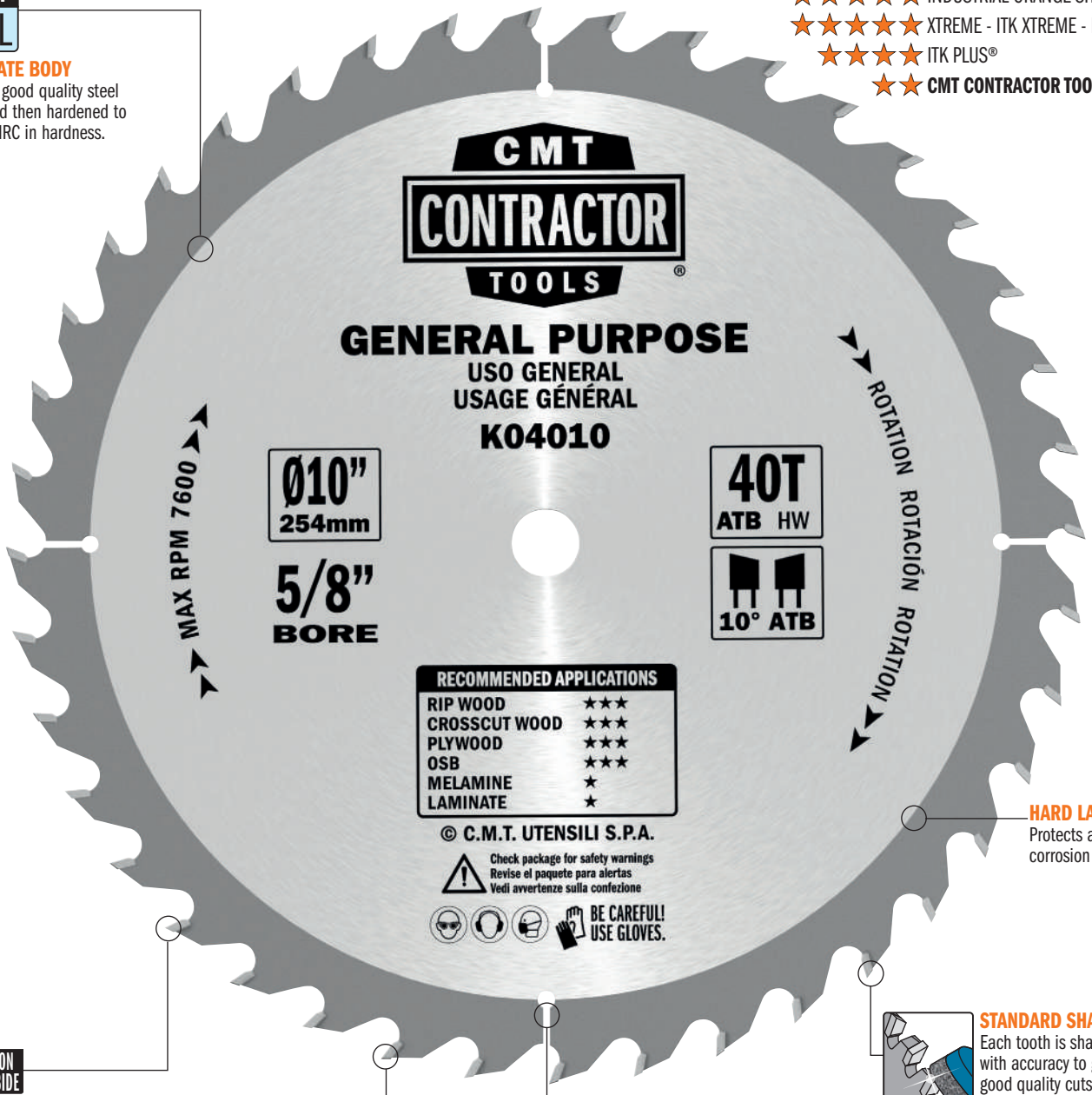
CMT CONTRACTOR TOOLS®

Designed for the professional contractor and remodeler, thin-kerf blade line guarantees great performance at a very appealing price.
Ideal for any construction project involving wood or wood composite.

★★★★★ INDUSTRIAL CHROME®
★★★★★ INDUSTRIAL ORANGE SHIELD®
★★★★★ XTREME - ITK XTREME - ITK XPLUS
★★★★ ITK PLUS®
★★ **CMT CONTRACTOR TOOLS®**

GOOD QUALITY STEEL

STEEL PLATE BODY
Made with good quality steel molded and then hardened to reach 44 HRC in hardness.

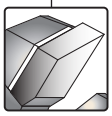


HARD LAQUERING
Protects against corrosion and rust.

STANDARD SHARPENING
Each tooth is sharpened with accuracy to guarantee good quality cuts and longer lifetime.

CONSTRUCTION GRADE CARBIDE

CONSTRUCTION GRADE CARBIDE
The cutting teeth are made with specially formulated Construction-Grade Carbide extending cutting life and good performance.

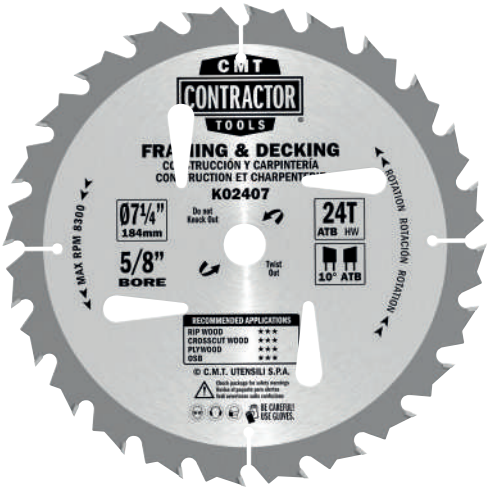


SILVER BRAZING
Silver Alloy Brazing prevents carbide from breaking during the cooling process and allows teeth to withstand high stress and impact especially when cutting harder woods and composite materials.

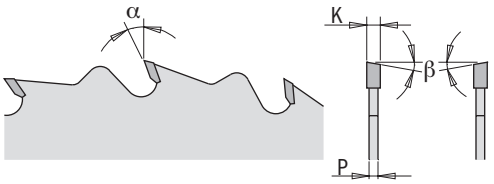
HEAT EXPANSION SLOTS
Engineered to allow the blade to resist deformation from increases in temperature due to cutting applications and centrifugal forces.

GREAT VALUE

CMT ORANGE TOOLS®



K CMT CONTRACTOR TOOLS



CARBIDE TIPPED

PERFORMANCE

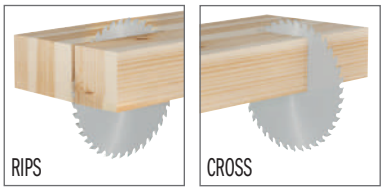
WOOD

MACHINES



Blade diameter compatibility is contingent on machine type.

APPLICATIONS



MATERIALS





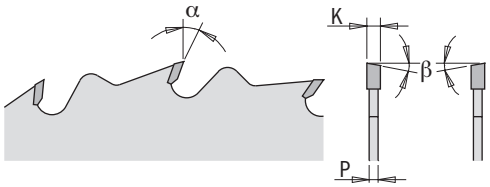
BULK PACK 10 PCS.

ORDER NO.	PACKAGING		D inches	D mm	T	B inches	β	K inches	P inches	α
K02406	Clamshell	10	6-1/2	165	24	5/8	ATB 12°	0.071	0.049	18°
K02406-X10	Bulk Pack 10 pcs.	30	6-1/2	165	24	5/8	ATB 12°	0.071	0.049	18°
K02407	Clamshell	10	7-1/4	184	24	5/8	ATB 10°	0.071	0.047	20°
K02407-X10	Bulk Pack 10 pcs.	30	7-1/4	184	24	5/8	ATB 10°	0.071	0.047	20°
K02408	Clamshell	10	8 - 8-1/4	210	24	5/8	ATB 10°	0.071	0.047	20°

CMT ORANGE TOOLS®



K CMT CONTRACTOR TOOLS



CARBIDE TIPPED

PERFORMANCE

WOOD

MACHINES


MITER SAW


PORTABLE TABLE SAW


STATIONARY TABLE SAW

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


RIPS

MATERIALS


HARDWOOD


SOFTWOOD

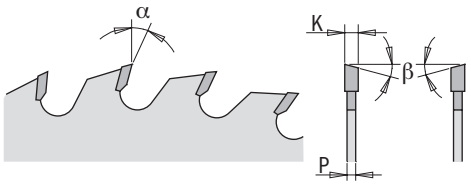

OSB

ORDER NO.	PACKAGING		D inches	D mm	T	B inches	β	K inches	P inches	α
K02410	Clamshell	10	10	254	24	5/8	ATB 10°	0.094	0.064	22°
K02412	Clamshell	5	12	305	24	1	ATB 10°	0.102	0.071	22°

CMT ORANGE TOOLS®



K CMT CONTRACTOR TOOLS



CARBIDE TIPPED

PERFORMANCE

WOOD

MACHINES


MITER SAW


PORTABLE TABLE SAW


STATIONARY TABLE SAW

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


RIPS


CROSS

MATERIALS

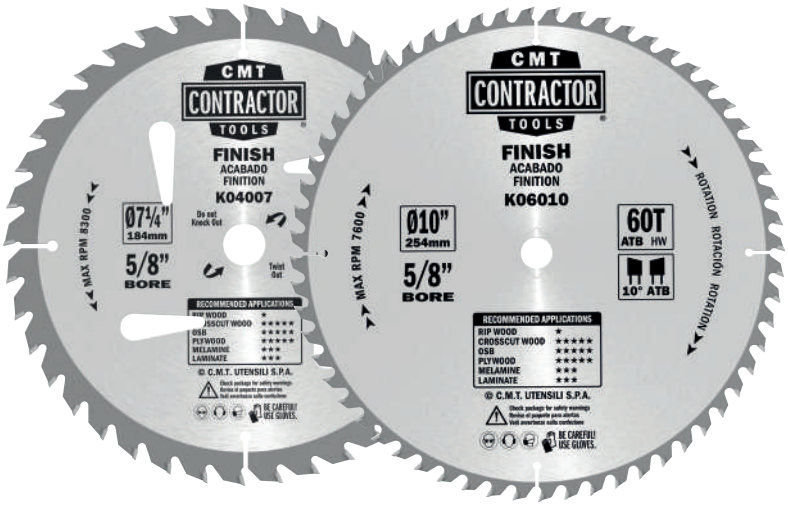

WOOD


PLYWOOD


OSB

ORDER NO.	PACKAGING		D inches	D mm	T	B inches	β	K inches	P inches	α
K04010	Clamshell	10	10	254	40	5/8	ATB 10°	0.094	0.064	20°
K04012	Clamshell	5	12	305	40	1	ATB 10°	0.102	0.071	20°
K06014	Clamshell	5	14	355	60	1	ATB 10°	0.118	0.087	15°

CMT ORANGE TOOLS®

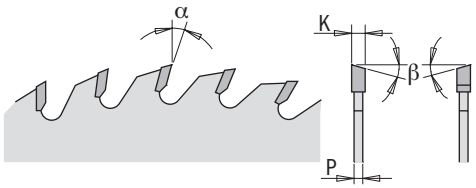


K CMT CONTRACTOR TOOLS

CARBIDE TIPPED

PERFORMANCE

WOOD



MACHINES


CORDLESS CIRCULAR SAW


CIRCULAR SAW


MITER SAW


PORTABLE TABLE SAW


STATIONARY TABLE SAW

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


CROSS

MATERIALS


WOOD


PLYWOOD


OSB



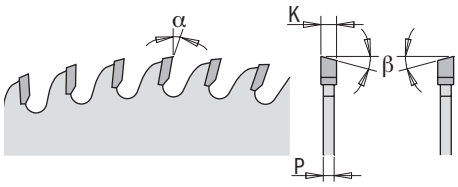
BULK PACK 10 PCS.

ORDER NO.	PACKAGING		D inches	D mm	T	B inches	β	K inches	P inches	α
K03606	Clamshell	10	6-1/2	165	36	5/8 ◇	ATB 10°	0.071	0.047	18°
K04007	Clamshell	10	7-1/4	184	40	5/8 ◇	ATB 10°	0.071	0.047	12°
K04007-X10	Bulk Pack 10 pcs.	30	7-1/4	184	40	5/8 ◇	ATB 10°	0.071	0.047	12°
K04008	Clamshell	10	8 - 8-1/4	210	40	5/8 ◇	ATB 10°	0.071	0.047	20°
K06010	Clamshell	10	10	254	60	5/8	ATB 10°	0.094	0.064	15°
K06012	Clamshell	5	12	305	60	1	ATB 10°	0.102	0.071	18°

CMT ORANGE TOOLS®



K CMT CONTRACTOR TOOLS



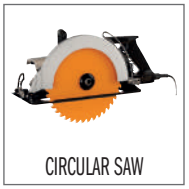
CARBIDE TIPPED

PERFORMANCE

WOOD

MACHINES


CORDLESS CIRCULAR SAW


CIRCULAR SAW


MITER SAW


PORTABLE TABLE SAW


STATIONARY TABLE SAW

Blade diameter compatibility is contingent on machine type.

APPLICATIONS


CROSS

MATERIALS


WOOD


PLYWOOD


MELAMINE

ORDER NO.	PACKAGING		D inches	D mm	T	B inches	β	K inches	P inches	α
K06007	Clamshell	10	7-1/4	184	60	5/8 ◇	ATB 10°	0.071	0.047	15°
K08010	Clamshell	10	10	254	80	5/8	ATB 10°	0.094	0.064	15°
K08012	Clamshell	5	12	305	80	1	ATB 10°	0.102	0.071	15°

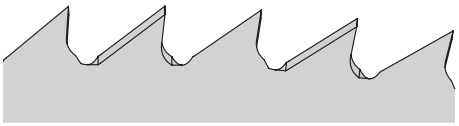


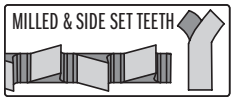
K CMT CONTRACTOR TOOLS

HQ STEEL

PERFORMANCE

WOOD





MACHINES


CORDLESS CIRCULAR SAW


CIRCULAR SAW

Blade diameter compatibility is contingent on machine type.

MATERIALS


PLYWOOD


OSB



BULK PACK 10 PCS.

ORDER NO.	PACKAGING		D inches	D mm	T	B inches		K inches	P inches	α
K14007-X10	Bulk Pack 10 pcs.	30	7-1/4	184	140	5/8		0.079	0.047	5°
K20010	Clamshell	10	10	254	200	5/8		0.094	0.071	5°



Saw Blade Index

CMT ORANGE TOOLS®

ORDER NO.	D inches	D mm	T	B inches	β	K inches	P inches	α	MATERIALS APPLICATION	PERFORMANCE	PAGE
273.050.20D		50	20	10mm	ATB 10°	0.043	0.031	15°	WOOD	★★★★	78
273.080.36D		80	36	10mm	ATB 10°	0.064	0.039	15°	WOOD	★★★★	78
236.085.06G	3-3/8	85	6	15mm	TCG	0.071	0.055	12°	MULTI-MATERIALS	★★★★	81
289.100.20H		100	10+10	20mm	FLAT	2.8-3.6mm		12°	WOOD	★★★★★	32
289.100.20K		100	10+10	22mm	FLAT	2.8-3.6mm		12°	WOOD	★★★★★	32
288.100.20H		100	20	22mm	CO + ATB 5°	3.1-4.0mm	2.5mm	5°	WOOD	★★★★★	33
288.100.20K		100	20	22mm	CO + ATB 5°	3.1-4.0mm	2.5mm	5°	WOOD	★★★★★	33
240.006.04	4	100	6	22mm	ATB 10°	0.156	0.118	18°	WOOD	★★★★	48
240.008.04	4	100	8	22mm	ATB 10°	0.156	0.118	15°	WOOD	★★★★	48
241.008.04	4	100	8	22mm	FLAT	0.156	0.122-0.150	15°	WOOD	★★★★	48
286.115.01	4-1/2			7/8 (+3/8+5/8)					MULTI-MATERIALS		83
272.115.24	4-1/2	115	24	3/8	ATB 10° + 8° Shear	0.059	0.039	20°	WOOD	★★★★	77
251.324.04	4-1/2	115	24	3/8	ATB 8°	0.070	0.047	20°	WOOD	★★★★★	51
289.120.24H		120	12+12	20mm	FLAT	2.8-3.6mm		12°	WOOD	★★★★★	32
289.120.24K		120	12+12	22mm	FLAT	2.8-3.6mm		12°	WOOD	★★★★★	32
288.120.24H		120	24	20mm	CO + ATB 5°	3.1-4.0mm	2.5mm	5°	WOOD	★★★★★	33
288.120.24K		120	24	22mm	CO + ATB 5°	3.1-4.0mm	2.5mm	5°	WOOD	★★★★★	33
288.125.24H		125	24	20mm	CO + ATB 5°	3.1-4.0mm	2.5mm	5°	WOOD	★★★★★	33
288.125.24K		125	24	22mm	CO + ATB 5°	3.1-4.0mm	2.5mm	5°	WOOD	★★★★★	33
288.125.24Q		125	24	45mm	CO + FLAT	4.3-5.5mm	3.2mm	10°	WOOD	★★★★★	33
286.125.01	5			7/8 (+20mm+5/8)					MULTI-MATERIALS		83
226.030.05	5-3/8		30	10mm	FWF 8°	0.059	0.047	0°	METAL & STEEL	★★★★	39
226.030.05H	5-3/8		30	20 (+10mm+1/2")	FWF 8°	0.059	0.047	0°	METAL & STEEL	★★★★	39
226.150.60H	5-7/8		60	20mm	FWF 8°	0.064	0.047	0°	METAL & STEEL	★★★★	38
288.150.36Q		150	36	45mm	CO + FLAT	4.3-5.5mm	3.2mm	10°	WOOD	★★★★★	33
230.520.06	6	152	20+20	5/8	ATB 20° + FLAT	1/4 -> 29/32		-12°	WOOD	★★★★★	46
236.160.04H		160	4	20mm	TCG	0.095	0.071	12°	MULTI-MATERIALS	★★★★	81
291.160.24H		160	24	20mm	ATB 15°	0.087	0.064	15°	WOOD	★★★★	17
292.160.40H		160	40	20mm	ATB 15°	0.087	0.064	10°	WOOD	★★★★	21
285.760.48H		160	48	20mm	ATB 12°	0.087	0.064	5°	WOOD	★★★★★	20
281.760.48H		160	48	20mm	TCG	0.087	0.064	4°	WOOD	★★★★★	22
292.160.56H		160	56	20mm	ATB 15°	0.087	0.064	15°	WOOD	★★★★	29
288.160.36Q		160	36	45mm	CO + FLAT	4.3-5.5mm	3.2mm	10°	WOOD	★★★★★	33
288.160.36O		160	36	55mm	CO + FLAT	4.3-5.5mm	3.2mm	10°	WOOD	★★★★★	33
286.760.24H	6-1/4	160	24	20mm	ATB 5°	0.090	0.047	5°	WOOD & NAILS	★★★★★	53
226.030.06H		160	30	20mm	FWF 8°	0.079	0.064	0°	METAL & STEEL	★★★★	39
223.048.06H		160	48	20mm	MTCG	0.087	0.064	0°	WOOD	★★★★★	41
296.160.56H		160	56	20mm	TCG	0.087	0.064	-6°	WOOD	★★★★	37
271.160.24H		160	24	20mm (+16)	ATB 10° + 8° Shear	0.071	0.047	18°	WOOD	★★★★	76
272.160.40H		160	40	20mm (+16)	ATB 10° + 8° Shear	0.071	0.047	16°	WOOD	★★★★	77
276.160.48H		160	48	20mm (+16)	TCG	0.071	0.047	-6°	NON-FERROUS	★★★★	73
273.160.56H		160	56	20mm (+16)	ATB 10° + 8° Shear	0.071	0.047	12°	WOOD	★★★★	78
236.304.06	6-1/2	165	4	5/8	ATB 10°	0.075	0.047	10°	MULTI-MATERIALS	★★★★★	52
236.004.06	6-1/2	165	4	5/8	TCG	0.071	0.055	12°	MULTI-MATERIALS	★★★★	81
236.165.04H	6-1/2	165	4	20mm (+5/8)	TCG	0.071	0.055	12°	MULTI-MATERIALS	★★★★	81
P06018	6-1/2	165	18	5/8	ATB 10° + Shear	0.067	0.039	20°	WOOD	★★★★	76
286.324.06-X10	6-1/2	165	24	5/8	ATB 5°	0.090	0.047	5°	WOOD & NAILS	★★★★★	53
K02406	6-1/2	165	24	5/8	ATB 12°	0.071	0.049	18°	WOOD	★★	86
291.165.24H	6-1/2	165	24	20mm	ATB 15°	0.087	0.064	15°	WOOD	★★★★	17
286.765.24H	6-1/2	165	24	20mm	ATB 5°	0.090	0.047	5°	WOOD & NAILS	★★★★★	53
271.165.24H	6-1/2	165	24	20mm (+5/8)	ATB 10° + 8° Shear	0.067	0.043	18°	WOOD	★★★★	76

Saw Blade Index

ORDER NO.	D inches	D mm	T	B inches	β	K inches	P inches	α	MATERIALS APPLICATION	PERFORMANCE	PAGE
P06036	6-1/2	165	36	5/8	ATB 10° + Shear	0.067	0.039	20°	WOOD	★★★★	77
K03606	6-1/2	165	36	5/8	ATB 10°	0.071	0.047	18°	WOOD	★★	89
272.165.36H	6-1/2	165	36	20mm (+5/8)	ATB 10° + 8° Shear	0.067	0.043	20°	WOOD	★★★★	77
251.340.06-X10	6-1/2	165	40	5/8	ATB 15°	0.070	0.047	10°	WOOD	★★★★★	51
292.165.40H	6-1/2	165	40	20mm	ATB 15°	0.087	0.064	10°	WOOD	★★★★	21
251.348.06H	6-1/2	165	48	20mm (+5/8)	ATB 10°	0.070	0.047	10°	WOOD	★★★★★	51
292.165.56H	6-1/2	165	56	20mm	ATB 15°	0.087	0.064	15°	WOOD	★★★★	29
296.165.56H	6-1/2	165	56	20mm	TCG	0.087	0.064	-6°	WOOD	★★★★	37
273.165.56H	6-1/2	165	56	20mm (+5/8)	ATB 15° + 8° Shear	0.064	0.039	12°	WOOD	★★★★	78
276.165.56H	6-1/2	165	56	20mm (+5/8)	TCG	0.071	0.047	-6°	NON-FERROUS	★★★★	73
P06060	6-1/2	165	60	5/8	ATB 10° + Shear	0.067	0.039	5°	WOOD	★★★★	78
226.036.06	6-1/2		36	5/8	FWF 8°	0.064	0.047	0°	METAL & STEEL	★★★★	39
226.048.06	6-1/2		48	5/8	FWF 8°	0.064	0.047	0°	METAL & STEEL	★★★★	39
226.165.60H	6-1/2		60	20mm (+5/8)	FWF 8°	0.064	0.047	0°	METAL & STEEL	★★★★	38
226.036.06H		165	36	20mm	FWF 8°	0.064	0.047	0°	METAL & STEEL	★★★★	39
288.180.36Q		180	36	45mm	CO + FLAT	4.7-6.0mm	3.5mm	10°	WOOD	★★★★★	33
288.180.36Q2		180	36	45mm	CO + ATB 5°	4.3-5.5mm	3.2mm	8°	WOOD	★★★★★	33
226.047.07H	7		48	20mm	FWF 8°	0.079	0.064	0°	METAL & STEEL	★★★★	39
226.069.07H	7		70	20mm	FWF 8°	0.071	0.055	0°	METAL & STEEL	★★★★	38
236.004.07	7-1/4	184	4	5/8	TCG	0.071	0.055	12°	MULTI-MATERIALS	★★★★	81
236.304.07	7-1/4	184	4	5/8	ATB 10°	0.075	0.047	10°	MULTI-MATERIALS	★★★★★	52
P07010	7-1/4	184	10	5/8	TCG	0.071	0.055	12°	MULTI-MATERIALS	★★★★	80
250.324.07	7-1/4	184	24	5/8	ATB 5°	0.070	0.047	15°	WOOD	★★★★★	50
250.324.07W-X10	7-1/4	184	24	5/8	ATB 5°	0.070	0.047	15°	WOOD	★★★★★	50
286.324.07	7-1/4	184	24	5/8	ATB 5°	0.090	0.047	5°	WOOD & NAILS	★★★★★	53
P07024	7-1/4	184	24	5/8	ATB 10° + Shear	0.067	0.039	20°	WOOD	★★★★	76
K02407	7-1/4	184	24	5/8	ATB 10°	0.071	0.047	20°	WOOD	★★	86
257.036.07	7-1/4	184	36	5/8	MATB	0.067	0.047	5°	WOOD & METAL	★★★★★	54
251.340.07	7-1/4	184	40	5/8	ATB 10°	0.070	0.047	15°	WOOD	★★★★★	51
P07040	7-1/4	184	40	5/8	ATB 10° + Shear	0.067	0.039	18°	WOOD	★★★★	77
K04007	7-1/4	184	40	5/8	ATB 10°	0.071	0.047	12°	WOOD	★★	89
226.348.07	7-1/4	184	48	5/8	FWF 8°	0.082	0.064	0°	METAL & STEEL	★★★★★	55
226.548.07	7-1/4	184	48	5/8	TCG	0.079	0.064	0°	METAL & STEEL	★★★★	40
254.056.07	7-1/4	184	60	5/8	TCG	0.098	0.064	-6°	NON-FERROUS	★★★★★	72
P07056N	7-1/4	184	60	5/8	TCG	0.098	0.064	-6°	NON-FERROUS	★★★★★	73
P07060	7-1/4	184	60	5/8	ATB 10° + Shear	0.067	0.039	5°	WOOD	★★★★	78
K06007	7-1/4	184	60	5/8	ATB 10°	0.071	0.047	15°	WOOD	★★	90
P07120-X10	7-1/4	184	120	5/8		0.071	0.047	5°	MULTI-MATERIALS	★★★★	82
P07140-X10	7-1/4	184	140	5/8		0.071	0.064	5°	WOOD	★★★★	79
K14007-X10	7-1/4	184	140	5/8		0.079	0.047	5°	WOOD	★★	91
226.036.07	7-1/4		36	5/8	FWF 8°	0.079	0.064	0°	METAL & STEEL	★★★★	39
226.048.07	7-1/4		48	5/8	FWF 8°	0.079	0.064	0°	METAL & STEEL	★★★★	39
226.070.07	7-1/4		70	5/8	FWF 8°	0.071	0.055	0°	METAL & STEEL	★★★★	38
236.190.04M		190	4	30mm	TCG	0.095	0.071	12°	MULTI-MATERIALS	★★★★	81
285.790.48FF		190	48	20mm (FESTOOL® FF)	ATB 15°	0.095	0.071	8°	WOOD	★★★★★	20
288.200.36H		200	36	20mm	CO + FLAT	4.4-5.3mm	3.2mm	10°	WOOD	★★★★★	33
288.200.36Q		200	36	45mm	CO + FLAT	4.7-6.0mm	3.5mm	10°	WOOD	★★★★★	33
288.200.36J		200	36	65mm	CO + FLAT	4.3-5.5mm	3.2mm	10°	WOOD	★★★★★	33
210.060.08	8 - 8-1/4	203	60	5/8	Hi-ATB 38°	0.126	0.087	2°	WOOD	★★★★★	29
230.012.08	8	203	12+12	5/8	ATB 20° + FLAT	1/4 -> 13/16		-12°	WOOD	★★★★★	44
230.312.08	8	203	12+12	5/8	ATB 20° + FLAT	15/64" -> 13/16"		-12°	WOOD	★★★★★	45

® Brand names mentioned in CMT products are the property of their respective owners (see page 376)

Saw Blade Index

ORDER NO.	D inches	D mm	T	B inches	β	K inches	P inches	α	MATERIALS APPLICATION	PERFORMANCE	PAGE
230.224.08	8	203	24+24	5/8	FLAT	1/4" -> 3/8"		0°	WOOD	★★★★★	43
230.324.08	8	203	24+24	5/8	ATB 20° + FLAT	15/64" -> 13/16"		-12°	WOOD	★★★★★	47
230.524.08	8	203	24+24	5/8	ATB 20° + FLAT	1/4 -> 29/32		-12°	WOOD	★★★★★	46
290.210.24M	8-1/4	210	24	30mm	ATB 10°	0.110	0.071	20°	WOOD	★★★★	17
291.210.36M	8-1/4	210	36	30mm	ATB 15°	0.110	0.071	15°	WOOD	★★★★	17
292.210.48M	8-1/4	210	48	30mm	ATB 15°	0.110	0.071	15°	WOOD	★★★★	21
226.048.08M	8-1/4		48	30mm (+1+5/8)	FWF 8°	0.087	0.071	0°	METAL & STEEL	★★★★	39
292.210.64M		210	64	30mm	ATB 15°	0.110	0.071	15°	WOOD	★★★★	29
296.210.64M	8-1/4	210	64	30mm	TCG	0.110	0.087	-6°	WOOD	★★★★	37
250.024.08	8 - 8-1/4	210	24	5/8	ATB 15°	0.082	0.047	20°	WOOD	★★★★★	58
P08024	8 - 8-1/4	210	24	5/8	ATB 15°	0.082	0.047	20°	WOOD	★★★★★	59
P08024	8 - 8-1/4	210	24	5/8	ATB 15° + Shear	0.067	0.039	20°	WOOD	★★★★	76
K02408	8 - 8-1/4	210	24	5/8	ATB 10°	0.071	0.047	20°	WOOD	★★	86
251.040.08	8 - 8-1/4	210	40	5/8	ATB 15°	0.094	0.064	10°	WOOD	★★★★★	64
P08040	8 - 8-1/4	210	40	5/8	ATB 15°	0.094	0.064	10°	WOOD	★★★★★	65
P08040	8 - 8-1/4	210	40	5/8	ATB 15°	0.094	0.064	10°	WOOD	★★★★	77
K04008	8 - 8-1/4	210	40	5/8	ATB 10°	0.071	0.047	20°	WOOD	★★	89
226.048.08	8 - 8-1/4		48	5/8	FWF 8°	0.087	0.071	0°	METAL & STEEL	★★★★	39
236.210.12M		210	12	30mm	TCG	0.095	0.071	12°	MULTI-MATERIALS	★★★★	81
288.215.42T		215	42	50mm	CO + FLAT	4.3-5.5mm	3.2mm	8°	WOOD	★★★★★	33
285.816.60M		216	60	30mm	ATB 15°	0.090	0.064	-5°	WOOD	★★★★★	20
219.060.08	8-1/2	216	60	5/8	4 Hi-ATB 30°+ 1 TCG	0.118	0.100	-5°	WOOD	★★★★★	27
225.060.08	8-1/2	216	60	5/8	TCG	0.122	0.098	-7°	WOOD	★★★★★	37
253.060.08	8-1/2	216	60	5/8	ATB 15°	0.094	0.055	7°	WOOD	★★★★★	66
P08060S	8-1/2	216	60	5/8	ATB 15°	0.094	0.055	7°	WOOD	★★★★★	67
292.216.80M		216	80	30mm	ATB 15°	0.110	0.071	-5°	WOOD	★★★★	29
283.064.09M		220	64	30mm	Hi-ATB 40°	0.126	0.087	-5°	WOOD	★★★★★	28
292.230.64M		230	64	30mm	ATB 15°	0.110	0.071	15°	WOOD	★★★★	29
226.046.09	9		46	1	FWF 8°	0.079	0.064	0°	METAL & STEEL	★★★★	39
286.230.01	9			7/8					MULTI-MATERIALS		83
285.624.10M		250	24	30mm	FLAT	0.126	0.087	10°	WOOD	★★★★★	12
285.640.10M		250	40	30mm	ATB 10°	0.126	0.087	15°	WOOD	★★★★★	16
285.660.10M		250	60	30mm	ATB 15°	0.126	0.087	10°	WOOD	★★★★★	20
283.680.10M		250	80	30mm	Hi-ATB 38°	0.126	0.087	-2°	WOOD	★★★★★	28
281.680.10M		250	80	30mm	TCG	0.126	0.087	5°	WOOD	★★★★★	30, 34
281.681.10M		250	80	30mm	TCG	0.126	0.087	-3°	WOOD	★★★★★	31
236.006.10	10	254	6	5/8	TCG	0.087	0.064	12°	MULTI-MATERIALS	★★★★	81
236.306.10	10	254	6	5/8	ATB 10°	0.087	0.064	10°	MULTI-MATERIALS	★★★★★	52
279.010.10	10	254	10+4	2-3/8	FLAT	0.157	0.098	25°	WOOD	★★★★★	15
201.024.10	10	254	24	5/8	MFLAT	0.126	0.087	20°	WOOD	★★★★★	13
250.024.10	10	254	24	5/8	ATB 10°	0.102	0.071	10°	WOOD	★★★★★	58
285.624.10	10	254	24	5/8	FLAT	0.126	0.087	15°	WOOD	★★★★★	12
P10024	10	254	24	5/8	ATB 10°	0.102	0.071	10°	WOOD	★★★★★	59
K02410	10	254	24	5/8	ATB 10°	0.094	0.064	22°	WOOD	★★	87
203.630.10	10	254	30	5/8	TCG	0.126	0.087	12°	WOOD	★★★★★	14
213.040.10	10	254	40	5/8	ATB 20°	0.126	0.100	18°	WOOD	★★★★★	17
251.042.10	10	254	40	5/8	ATB 15°	0.110	0.071	15°	WOOD	★★★★★	60
285.640.10	10	254	40	5/8	Hi-ATB 30°	0.126	0.087	12°	WOOD	★★★★★	16
P10042	10	254	40	5/8	ATB 15°	0.110	0.071	15°	WOOD	★★★★★	61
K04010	10	254	40	5/8	ATB 10°	0.094	0.064	20°	WOOD	★★	88
215.050.10	10	254	50	5/8	4 ATB 20°+1 TCG	0.126	0.087	12°	WOOD	★★★★★	19

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ORDER NO.	D inches	D mm	T	B inches	β	K inches	P inches	α	MATERIALS APPLICATION	PERFORMANCE	PAGE
285.650.10	10	254	50	5/8	4 ATB 20°+1 TCG	0.126	0.087	12°	WOOD	★★★★★	18
256.050.10	10	254	50	5/8	4 ATB 15°+ 1 FLAT	0.102	0.071	15°	WOOD	★★★★★	62
P10050	10	254	50	5/8	4 ATB 15°+ 1 FLAT	0.102	0.071	15°	WOOD	★★★★★	63
205.060.10	10	254	60	5/8	ATB 20°	0.102	0.071	5°	WOOD	★★★★★	21
221.060.10	10	254	60	5/8	TCG	0.126	0.087	10°	WOOD	★★★★★	23
252.060.10	10	254	60	5/8	ATB 20°	0.102	0.071	15°	WOOD	★★★★★	64
253.060.10	10	254	60	5/8	ATB 15°	0.102	0.071	7°	WOOD	★★★★★	66
281.660.10	10	254	60	5/8	TCG	0.126	0.087	10°	WOOD	★★★★★	22
285.660.10	10	254	60	5/8	ATB 20°	0.126	0.087	10°	WOOD	★★★★★	20
P10060	10	254	60	5/8	ATB 20°	0.102	0.071	15°	WOOD	★★★★★	65
P10060L	10	254	60	5/8	TCG	0.110	0.071	10°	WOOD	★★★★★	71
P10060S	10	254	60	5/8	ATB 15°	0.102	0.071	7°	WOOD	★★★★★	67
K06010	10	254	60	5/8	ATB 10°	0.094	0.064	15°	WOOD	★★	89
223.672.10	10	254	72	5/8	MTCG	0.126	0.098	0°	WOOD	★★★★★	41
226.572.10	10	254	72	1 (+5/8)	FWF 10°	0.087	0.071	0°	METAL & STEEL	★★★★	40
210.080.10	10	254	80	5/8	Hi-ATB 38°	0.126	0.087	2°	WOOD	★★★★★	29
219.080.10	10	254	80	5/8	4 Hi-ATB 30°+ 1 TCG	0.122	0.100	-5°	WOOD	★★★★★	27
222.080.10	10	254	80	5/8	MATB	0.110	0.087	-3°	MULTI-MATERIALS	★★★★	42
225.672.10	10	254	80	5/8	TCG	0.126	0.098	-6°	WOOD	★★★★★	37
254.080.10	10	254	80	5/8	TCG	0.102	0.071	-6°	NON-FERROUS	★★★★★	72
255.080.10	10	254	80	5/8	Hi-ATB 30°	0.110	0.071	5°	WOOD	★★★★★	68
281.680.10	10	254	80	5/8	TCG	0.126	0.087	5°	WOOD	★★★★★	30
281.681.10	10	254	80	5/8	TCG	0.126	0.087	-3°	WOOD	★★★★★	31
283.680.10	10	254	80	5/8	Hi-ATB 38°	0.126	0.087	2°	WOOD	★★★★★	28
285.680.10	10	254	80	5/8	ATB 20°	0.118	0.098	10°	WOOD	★★★★★	25
P10080	10	254	80	5/8	Hi-ATB 30°	0.110	0.071	5°	WOOD	★★★★★	69
P10080N	10	254	80	5/8	TCG	0.102	0.071	-6°	NON-FERROUS	★★★★★	73
K08010	10	254	80	5/8	ATB 10°	0.094	0.064	15°	WOOD	★★	90
255.090.10X	10	254	90	5/8	Hi-ATB 30° + Shear	0.087	0.064	10°	WOOD	★★★★★	70
284.700.10	10	254	96	5/8	TCG	0.126	0.098	6°	NON-FERROUS	★★★★★	36
K20010	10	254	200	5/8		0.094	0.071	5°	WOOD	★★	91
298.250.20	10		20	1 (+20mm)	ATB 8°	0.079	0.055	2°	MULTI-MATERIALS	★★★★	84
298.250.40	10		40	1 (+20mm)	ATB 8°	0.079	0.055	2°	MULTI-MATERIALS	★★★★	84
226.048.10	10		48	1 (+5/8)	FWF 8°	0.087	0.071	0°	METAL & STEEL	★★★★	39
226.060.10	10		60	1 (+5/8)	FWF 8°	0.087	0.071	0°	METAL & STEEL	★★★★	38
294.060.11M		260	60	30mm	ATB 15°	0.098	0.071	-5°	WOOD	★★★★	21
294.080.11M		260	80	30mm	ATB 15°	0.098	0.071	-5°	WOOD	★★★★	29
297.080.11M		260	80	30mm	TCG	0.126	0.098	-6°	WOOD	★★★★	37
P10042W	10-1/4	260	32	5/8	ATB 10°	0.102	0.071	10°	WOOD	★★★★★	61
293.024.12M		300	24	30mm	ATB 10°	0.126	0.087	20°	WOOD	★★★★★	12
285.648.12M		300	48	30mm	ATB 10°	0.126	0.087	5°	WOOD	★★★★★	16
288.300.48T		300	48	50mm	CO + FLAT	4.3-5.5mm	3.2mm	10°	WOOD	★★★★★	33
282.060.12M		300	60	30mm	TCG	4.4mm	3.2mm	16°	WOOD	★★★★★	34
282.300.60M		300	60	30mm	TCG	4.4mm	3.2mm	15°	WOOD	★★★★★	35
282.300.60W		300	60	80mm	TCG	4.4mm	3.2mm	15°	WOOD	★★★★★	35
281.672.12M		300	72	30mm	TCG	0.126	0.087	10°	WOOD	★★★★★	22, 34
285.672.12M		300	72	30mm	ATB 15°	0.126	0.087	10°	WOOD	★★★★★	20
282.060.12W		300	80	30mm	TCG	4.4mm	3.2mm	16°	WOOD	★★★★★	34
281.696.12M		300	96	30mm	TCG	0.126	0.087	5°	WOOD	★★★★★	30
281.697.12M		300	96	30mm	TCG	0.126	0.087	-3°	WOOD	★★★★★	31
283.696.12M		300	96	30mm	Hi-ATB 38°	0.126	0.087	2°	WOOD	★★★★★	28

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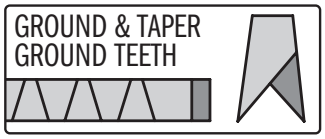
ORDER NO.	D inches	D mm	T	B inches	β	K inches	P inches	α	MATERIALS APPLICATION	PERFORMANCE	PAGE
285.696.12M		300	96	30mm	ATB 15°	0.126	0.087	5°	WOOD	★★★★★	25
236.008.12	12	305	8	1	TCG	0.087	0.064	12°	MULTI-MATERIALS	★★★★	81
236.308.12	12	305	8	1	ATB 10°	0.087	0.064	10°	MULTI-MATERIALS	★★★★★	52
279.012.12	12	305	12+4	2-3/8	FLAT	0.157	0.098	25°	WOOD	★★★★★	15
286.024.12	12	305	24	1	TCG	0.126	0.098	-5°	WOOD	★★★★	83
K02412	12	305	24	1	ATB 10°	0.102	0.071	22°	WOOD	★★	87
201.030.12	12	305	30	1	MFLAT	0.126	0.087	20°	WOOD	★★★★★	13
203.636.12	12	305	36	1	TCG	0.126	0.087	12°	WOOD	★★★★★	14
203.036.12W2	12	305	36	3-1/8	TCG	0.160	0.110	20°	WOOD	★★★★★	14
K04012	12	305	40	1	ATB 10°	0.102	0.071	20°	WOOD	★★	88
213.048.12	12	305	48	1	ATB 20°	0.126	0.100	10°	WOOD	★★★★★	17
251.045.12	12	305	48	1	ATB 15°	0.110	0.071	-10°	WOOD	★★★★★	60
P12042	12	305	48	1	ATB 15°	0.110	0.071	-10°	WOOD	★★★★★	61
215.060.12	12	305	60	1	4 ATB 20°+1 TCG	0.126	0.087	12°	WOOD	★★★★★	19
256.060.12	12	305	60	1	4 ATB 15°+ 1 FLAT	0.102	0.071	15°	WOOD	★★★★★	62
P12060	12	305	60	1	4 ATB 15°+ 1 FLAT	0.102	0.071	15°	WOOD	★★★★★	63
K06012	12	305	60	1	ATB 10°	0.102	0.071	18°	WOOD	★★	89
205.072.12	12	305	72	1	ATB 15°	0.126	0.087	10°	WOOD	★★★★★	21
221.072.12	12	305	72	1	TCG	0.126	0.087	10°	WOOD	★★★★★	23
253.072.12	12	305	72	1	ATB 15°	0.102	0.071	7°	WOOD	★★★★★	66
285.672.12	12	305	72	1	ATB 20°	0.126	0.087	10°	WOOD	★★★★★	20
P12072L	12	305	72	1	TCG	0.118	0.087	10°	WOOD	★★★★★	71
P12072S	12	305	72	1	ATB 15°	0.102	0.071	7°	WOOD	★★★★★	67
226.580.12	12	305	80	1	FWF 10°	0.087	0.071	0°	METAL & STEEL	★★★★	40
252.072.12	12	305	80	1	ATB 20°	0.118	0.087	15°	WOOD	★★★★★	64
285.680.12	12	305	80	1	ATB 15°	0.094	0.071	5°	WOOD	★★★★★	24
P12072	12	305	80	1	ATB 20°	0.118	0.087	15°	WOOD	★★★★★	65
K08012	12	305	80	1	ATB 10°	0.102	0.071	15°	WOOD	★★	90
223.684.12	12	305	84	1	MTCG	0.126	0.098	0°	WOOD	★★★★★	41
274.691.12	12	305	90	5/8	4 ATB 20°+ 1 FLAT	0.118	0.098	-3°	WOOD	★★★★★	26
219.090.12	12	305	90	1	4 Hi-ATB 30°+ 1 TCG	0.122	0.100	-5°	WOOD	★★★★★	27
210.096.12	12	305	96	1	Hi-ATB 38°	0.126	0.087	2°	WOOD	★★★★★	29
222.096.12	12	305	96	1	MATB	0.110	0.087	-3°	MULTI-MATERIALS	★★★★	42
225.696.12	12	305	96	1	TCG	0.126	0.098	-6°	WOOD	★★★★★	37
254.096.12	12	305	96	1	TCG	0.102	0.071	-6°	NON-FERROUS	★★★★★	72
255.096.12	12	305	96	1	Hi-ATB 30°	0.102	0.071	-5°	WOOD	★★★★★	68
281.696.12	12	305	96	1	TCG	0.126	0.087	5°	WOOD	★★★★★	30
281.697.12	12	305	96	1	TCG	0.126	0.087	-3°	WOOD	★★★★★	31
283.696.12	12	305	96	1	Hi-ATB 38°	0.126	0.087	2°	WOOD	★★★★★	28
285.696.12	12	305	96	1	ATB 20°	0.118	0.098	10°	WOOD	★★★★★	25
P12096	12	305	96	1	Hi-ATB 30°	0.102	0.071	-5°	WOOD	★★★★★	69
P12096N	12	305	96	1	TCG	0.102	0.071	-6°	NON-FERROUS	★★★★★	73
P12100X	12	305	100	1	Hi-ATB 30° + Shear	0.098	0.071	7°	WOOD	★★★★★	71
225.709.12	12	305	108	5/8	TCG	0.126	0.098	-6°	WOOD	★★★★★	37
284.720.12	12	305	108	1	TCG	0.126	0.098	6°	NON-FERROUS	★★★★★	36
255.100.12X	12	305	100	1	Hi-ATB 30° + Shear	0.098	0.071	7°	WOOD	★★★★★	70
226.060.12	12		60	1	FWF 8°	0.087	0.071	0°	METAL & STEEL	★★★★	39
226.080.12	12		80	1	FWF 8°	0.087	0.071	0°	METAL & STEEL	★★★★	38
282.320.60J		320	60	65mm	TCG	4.4mm	3.2mm	15°	WOOD	★★★★★	35
282.320.72J		320	72	65mm	TCG	4.4mm	3.2mm	15°	WOOD	★★★★★	35
293.028.14M		350	28	30mm	ATB 10°	0.137	0.098	20°	WOOD	★★★★★	12

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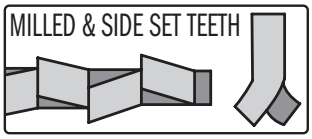
ORDER NO.	D inches	D mm	T	B inches	β	K inches	P inches	α	MATERIALS APPLICATION	PERFORMANCE	PAGE
285.654.14M		350	54	30mm	ATB 10°	0.137	0.098	5°	WOOD	★★★★★	16
282.350.72M		350	72	30mm	TCG	4.4mm	3.2mm	15°	WOOD	★★★★★	35
282.350.72U		350	72	60mm	TCG	4.4mm	3.2mm	15°	WOOD	★★★★★	35
282.072.14X		350	72	75mm	TCG	4.4mm	3.2mm	16°	WOOD	★★★★★	34
282.350.72X		350	72	75mm	TCG	4.4mm	3.2mm	15°	WOOD	★★★★★	35
282.350.72W		350	72	80mm	TCG	4.4mm	3.2mm	15°	WOOD	★★★★★	35
281.684.14M		350	84	30mm	TCG	0.137	0.098	10°	WOOD	★★★★★	22
281.708.14M		350	108	30mm	TCG	0.138	0.098	5°	WOOD	★★★★★	30, 34
283.108.14M		350	108	30mm	Hi-ATB 38°	0.137	0.098	5°	WOOD	★★★★★	28
285.708.14M		350	108	30mm	ATB 15°	0.137	0.098	5°	WOOD	★★★★★	25
286.024.14	14	355	24	1	TCG	0.137	0.110	-5°	WOOD	★★★★	83
K06014	14	355	60	1	ATB 10°	0.118	0.087	15°	WOOD	★★	88
282.072.14J2		355	72	65mm	TCG	4.4mm	3.2mm	16°	WOOD	★★★★★	34
282.355.72J		355	72	65mm	TCG	4.4mm	3.2mm	15°	WOOD	★★★★★	35
282.072.14W2		355	72	80mm	TCG	4.4mm	3.2mm	10°	WOOD	★★★★★	34
226.072.14	14		72	1	FWF 8°	0.087	0.071	0°	METAL & STEEL	★★★★	39
285.684.14	14	355	84	1	ATB 15°	0.137	0.098	10°	WOOD	★★★★★	20
226.090.14	14		90	1	FWF 8°	0.087	0.071	0°	METAL & STEEL	★★★★	38
226.590.14	14	355	90	1	FWF 10°	0.087	0.071	0°	METAL & STEEL	★★★★	40
253.096.14	14	355	96	1	ATB 15°	0.110	0.071	7°	WOOD	★★★★★	66
225.700.14	14	355	100	1	TCG	0.126	0.098	-6°	WOOD	★★★★★	37
225.720.14	14	355	120	1	TCG	0.142	0.118	-6°	WOOD	★★★★★	37
282.072.15U		380	72	60mm	TCG	4.8mm	3.5mm	16°	WOOD	★★★★	34
282.072.15U2		380	72	60mm	TCG	4.4mm	3.2mm	15°	WOOD	★★★★	34
282.380.72U		380	72	60mm	TCG	4.8mm	3.5mm	15°	WOOD	★★★★★	35
282.380.72U2		380	72	60mm	TCG	4.4mm	3.2mm	15°	WOOD	★★★★★	35
282.380.72W		380	72	80mm	TCG	4.4mm	3.2mm	15°	WOOD	★★★★★	35
285.660.16M		400	60	30mm	ATB 15°	0.137	0.098	10°	WOOD	★★★★★	16
282.072.16M		400	72	30mm	TCG	4.4mm	3.2mm	16°	WOOD	★★★★★	34
282.400.72M		400	72	30mm	TCG	4.4mm	3.2mm	15°	WOOD	★★★★★	35
282.072.16U		400	72	60mm	TCG	4.4mm	3.2mm	16°	WOOD	★★★★★	34
282.072.16X		400	72	75mm	TCG	4.4mm	3.2mm	16°	WOOD	★★★★	34
282.400.72X		400	72	75mm	TCG	4.4mm	3.2mm	15°	WOOD	★★★★★	35
282.072.16W		400	72	80mm	TCG	4.4mm	3.2mm	16°	WOOD	★★★★	34
282.400.72W		400	72	80mm	TCG	4.4mm	3.2mm	15°	WOOD	★★★★★	35
285.696.16	16	406	96	1	ATB 15°	0.137	0.098	10°	WOOD	★★★★★	20
225.700.16	16	406	100	1	TCG	0.150	0.126	-6°	WOOD	★★★★★	37
282.430.72J		430	72	65mm	TCG	4.4mm	3.2mm	15°	WOOD	★★★★★	35
282.072.17X		430	72	75mm	TCG	4.4mm	3.2mm	16°	WOOD	★★★★	34
282.072.17W2		430	72	80mm	TCG	4.4mm	3.2mm	16°	WOOD	★★★★	34
282.450.72M		450	72	30mm	TCG	4.4mm	3.2mm	15°	WOOD	★★★★★	35
282.072.18U		450	72	60mm	TCG	4.8mm	3.5mm	16°	WOOD	★★★★	34
282.450.72U		450	72	60mm	TCG	4.8mm	3.5mm	15°	WOOD	★★★★★	35
282.072.18W2		450	72	80mm	TCG	4.8mm	3.5mm	16°	WOOD	★★★★	34
285.708.18	18	457	108	1	ATB 15°	0.150	0.110	10°	WOOD	★★★★★	20
225.728.18	18	457	128	1	TCG	0.150	0.126	-6°	WOOD	★★★★★	37
282.072.20U		500	72	60mm	TCG	4.8mm	3.5mm	16°	WOOD	★★★★	34
282.520.60V		520	60	70mm	TCG	4.8mm	3.5mm	15°	WOOD	★★★★★	35



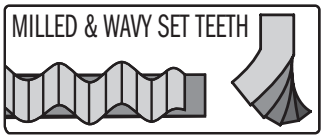
WHY TOOTH GEOMETRY IS IMPORTANT!



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



For quick cutting on hard/softwood, aluminum, 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.

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



QUALITY MATERIALS FOR MAXIMUM PRODUCTIVITY

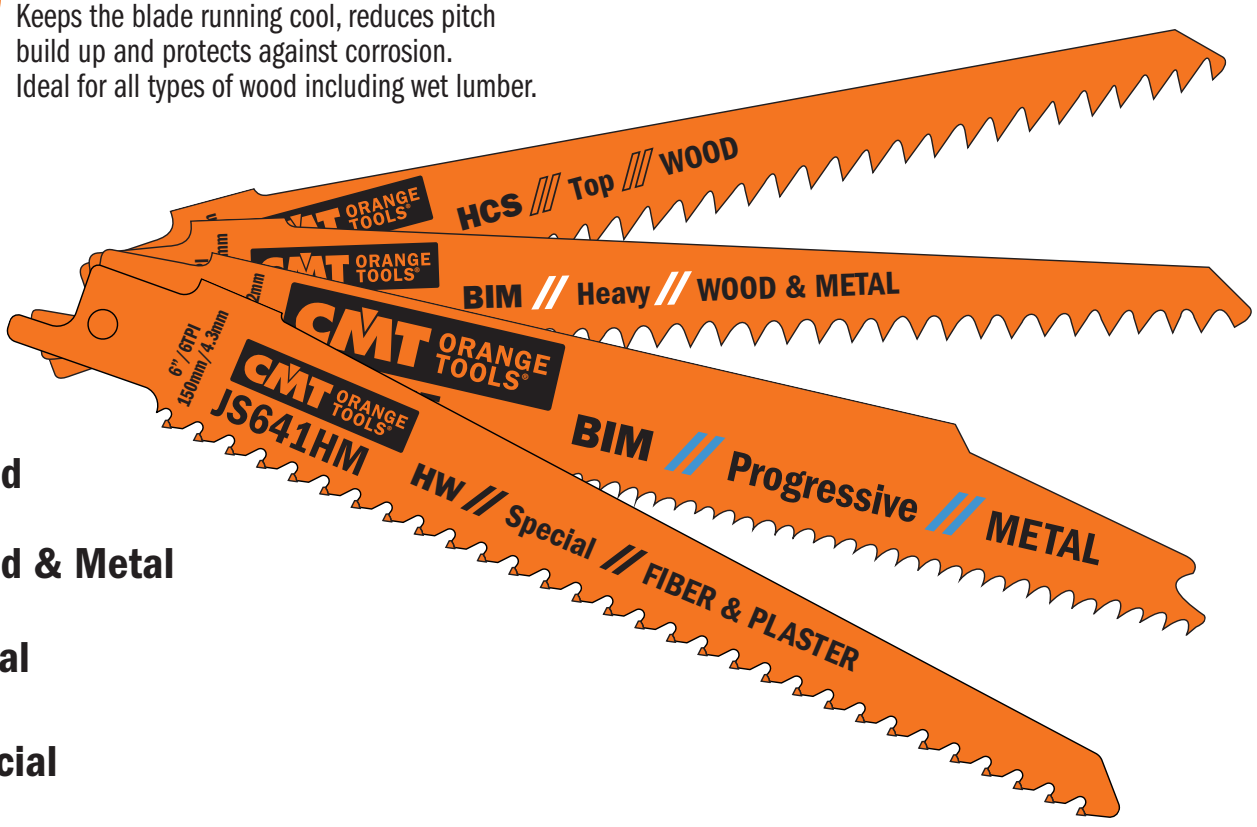
Produced by following state-of-the-art processes, using high-tech machines and premium quality raw materials, these sabre saw blades have been specifically designed to ensure maximum lifetime and performance in all materials.

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

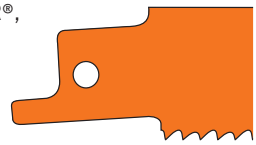
BLADE LINE DESCRIPTIONS

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

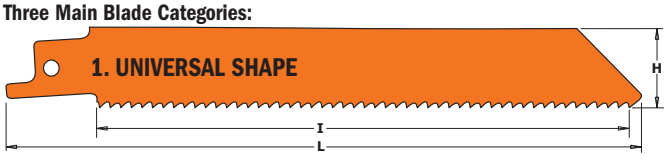
Fits: AEG®, BLACK & DECKER®, BOSCH®, DEWALT®, FEIN®, FLEX®, HILTI®, MAKITA®, METABO®, MILWAUKEE®, PORTER CABLE®, RIDGID®, ROTHENBERGER®, RYOBI®, SKIL®.



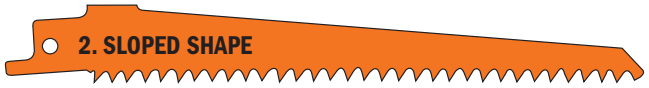
BLADE SHAPE & THICKNESS

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.

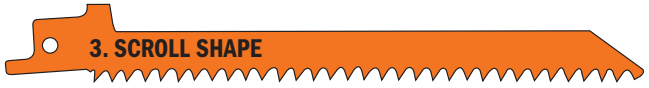
Three Main Blade Categories:



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 page 376)

Reciprocating Saw Blades Application Chart

CMT ORANGE TOOLS®

SERIES	MATERIAL	MATERIAL THICKNESS inches	LINE	L INCHES	FINE STRAIGHT	COARSE STRAIGHT	FINE CURVE	FINE ANGLE CUT	FLUSH CUT	THIN & THICK	DEMOLITION	TPI	PAGE
WOOD	**Coarse wood (free of nails)**	<4	Basic	6		JS617K	JS617K					3	102
	Pruning green wood	<7	Basic	9		JS1111K						3	102
	Coolant: dry	<7-1/2	Top	9-1/2		JS1531L						5	102
	MAX RPM 2500	<10	Basic	12		JS1617K						3	102
	Construction wood	<4	Top	6	JS644D		JS644D					6	102
	Coolant: dry	<6	Progressive	8	JS2345X					JS2345X		6~10	102
	MAX RPM 2500	<6	Pallet	8	JS725VFR			JS725VFR		JS725VFR	JS725VFR	8~12	104
	Boards	<2-3/8	Top	6	JS644D		JS644D					6	102
	Coolant: dry	<2-3/8	Progressive	8	JS2345X					JS2345X		6~10	102
	MAX RPM 2500	<2-3/8	Pallet	8	JS725VFR			JS725VFR		JS725VFR		8~12	104
	Wooden wall cutout	<4	Top	6	JS644D		JS644D					6	102
	Coolant: dry	<6	Progressive	8	JS2345X					JS2345X		6~10	102
	MAX RPM 2500	<6	Pallet	8	JS725VFR			JS725VFR		JS725VFR	JS725VFR	8~12	104
		<7-1/2	Top	9-1/2		JS1531L						5	102
	Plastic	<4	Top	6	JS644D		JS644D					6	102
	Coolant: water MAX RPM 500	<6	Progressive	8	JS2345X					JS2345X		6~10	102
WOOD & METAL	**Wood with nails/metal**	<4	Flexible	6	JS922HF							10	105
	Coolant: dry	<4	Flexible	6	JS922VF							10~14	105
	MAX RPM 2500	<4	Heavy	6	JS641HM	JS611DF	JS711DF					6	103,109
		<4	Heavy	6		JS610VF		JS610VF			JS610VF	5~8	103
		<4	Heavy	6		JS956XHM		JS956XHM			JS956XHM	5~8	106
		<6	Progressive	8		JS3456XF				JS3456XF		6~12	104
		<6	Pallet	8	JS725VFR			JS725VFR		JS725VFR	JS725VFR	8~12	104
		<7	Flexible	9	JS1122HF				JS1122HF			10	105
		<7	Flexible	9	JS1122VF				JS1122HF			10~14	105
		<7	Heavy	9		JS1111DF						6	103
		<7	Heavy	9		JS1110VF		JS1110VF			JS1110VF	5~8	104
		<7	Heavy	9		JS1156XHM		JS1156XHM			JS1156XHM	5~8	106
		<7	Progressive	9		JS5678XF				JS5678XF		6~12	104
		<10	Flexible	12	JS1222VF				JS1222VF			10~14	105
		<10	Heavy	12		JS1210VF		JS1210VF			JS1210VF	5~8	104
		<10	Heavy	12		JS1411DF						6	103
	Pallet	<4	Flexible	6	JS922HF	JS641HM						10	105,109
	Coolant: dry	<6	Pallet	8	JS725VFR			JS725VFR		JS725VFR	JS725VFR	8~12	104
	MAX RPM 2500	<7	Flexible	9	JS1122HF				JS1122HF			10	105
	Wood, chipboard	<4	Heavy	6		JS611DF	JS711DF					6	103
	Coolant: dry	<4	Heavy	6		JS610VF		JS610VF			JS610VF	5~8	103
	MAX RPM 2500	<4	Heavy	6		JS956XHM		JS956XHM			JS956XHM	5~8	106
		<6	Progressive	8		JS3456XF				JS3456XF		6~12	104
		<6	Pallet	8	JS725VFR			JS725VFR		JS725VFR	JS725VFR	8~12	104
		<7	Heavy	9		JS1111DF						6	103
		<7	Heavy	9		JS1110VF		JS1110VF			JS1110VF	5~8	105
		<7	Heavy	9		JS1156XHM		JS1156XHM			JS1156XHM	5~8	106
		<7	Progressive	9		JS5678XF				JS5678XF		6~12	104
		<10	Heavy	12		JS1210VF		JS1210VF			JS1210VF	5~8	104
		<10	Heavy	12		JS1411DF						6	103
	Sheet metals	1/8~3/8	Flexible	6	JS922VF							10~14	105
	Coolant: cutting oil	1/8~3/8	Flexible	9	JS1122VF				JS1122HF			10~14	105
	MAX RPM 500~2000	1/8~3/8	Flexible	12	JS1222VF				JS1222VF			10~14	105
		1/8~23/32	Progressive	8		JS3456XF				JS3456XF		6~12	104
		<7	Progressive	9		JS5678XF				JS5678XF		6~12	104
	Pipes, profiles	<4	Flexible	6	JS922VF							10~14	105
	Coolant: cutting oil	<6	Progressive	8		JS3456XF				JS3456XF		6~12	104
	MAX RPM 1500	<7	Flexible	9	JS1122VF				JS1122HF			10~14	105
		<7	Progressive	9		JS5678XF				JS5678XF		6~12	104
		<10	Flexible	12	JS1222VF				JS1222VF			10~14	105
	Plastic, pipes, profiles	<4	Heavy	6		JS611DF	JS711DF					6	103
	Coolant: water	<6	Progressive	8		JS3456XF				JS3456XF		6~12	104
	MAX RPM 500	<7	Heavy	9		JS1111DF						6	103
		<7	Progressive	9		JS5678XF				JS5678XF		6~12	104
		<10	Heavy	12		JS1411DF						6	103
	Glass fiber-reinforced	<2	Heavy	6		JS611DF	JS711DF					6	103
	plastic/epoxy	<2-3/8	Heavy	12		JS1411DF						6	103
	Coolant: water	<2-3/8	Heavy	6		JS610VF		JS610VF			JS610VF	5~8	103
	MAX RPM 500	<4	Heavy	6		JS956XHM		JS956XHM			JS956XHM	5~8	106

Reciprocating Saw Blades Application Chart

CMT ORANGE TOOLS®

SERIES	MATERIAL	MATERIAL THICKNESS (inches)	LINE	L INCHES	FINE STRAIGHT	COARSE STRAIGHT	FINE CURVE	FINE ANGLE CUT	FLUSH CUT	THIN & THICK	DEMOLITION	TPI	PAGE
WOOD & METAL	Glass fiber-reinforced plastic/epoxy Coolant: water MAX RPM 500	<2-3/8	Heavy	9		JS1111DF						6	103
		<2-3/8	Heavy	9		JS1110VF		JS1110VF			JS1110VF	5~8	104
		<7	Heavy	9		JS1156XHM		JS1156XHM			JS1156XHM	5~8	106
		<4	Flexible	6	JS922VF	JS641HM						10~14	105,109
		<6	Progressive	8		JS3456XF				JS3456XF		6~12	104
		<7	Flexible	9	JS1122VF				JS1122HF			10~14	105
		<7	Progressive	9		JS5678XF				JS5678XF		6~12	104
		<10	Flexible	12	JS1222VF				JS1222VF			10~14	105
		<10	Heavy	12		JS1210VF		JS1210VF			JS1210VF	5~8	104
METAL	Sheet, perforated metals, (thin & thick) Coolant: dry MAX RPM 500~2000	1/32~1/8	Flexible	6	JS922AF							24	109
		1/32~1/8	Flexible	9	JS1122AF				JS1122AF			24	109
		3/64~5/16	Progressive	6	JS123XF					JS123XF		8~14	107
		1/16~5/32	Flexible	6	JS922EF							18	108
		1/16~5/32	Flexible	9	JS1122EF				JS1122EF			18	108
		5/64~3/8	Heavy	6	JS925VF						JS925VF	10~14	107
		5/64~3/8	Heavy	8	JS1025VF						JS1025VF	10~14	107
		5/64~3/8	Heavy	9	JS1125VF						JS1125VF	10~14	107
		5/64~3/8	Heavy	12	JS1125VF						JS1225VF	10~14	107,108
		1/8~5/16	Flexible	6	JS922BF							14	108
		1/8~5/16	Flexible	9	JS1122BF				JS1122BF			14	108
		5/32~1/2	Heavy	6		JS920CF		JS920CF			JS920CF	9	106
		5/32~1/2	Heavy	6		JS955CHM		JS955CHM			JS955CHM	9	106
		5/32~1/2	Heavy	9		JS1120CF		JS1120CF			JS1120CF	9	107
		5/32~1/2	Heavy	9		JS1155CHM		JS1155CHM			JS1155CHM	9	106
	Pipes, profiles, thin-walled (open & closed) Coolant: dry MAX RPM 500~2000	<4	Flexible	6	JS922AF							24	109
		<4	Flexible	6	JS922EF							18	108
		<4	Progressive	6	JS123XF					JS123XF		8~14	107
		<4	Heavy	6	JS925VF						JS925VF	10~14	107
		<6	Heavy	8	JS1025VF						JS1025VF	10~14	107
		<7	Flexible	9	JS1122AF				JS1122AF			24	109
		<7	Flexible	9	JS1122EF				JS1122EF			18	108
		<7	Heavy	9	JS1125VF						JS1125VF	10~14	107
		<10	Heavy	12	JS1225VF						JS1225VF	10~14	108
	Pipes, profiles, thick-walled (open & closed) Coolant: dry MAX RPM 500~2000	<4	Flexible	6	JS922BF							14	108
		<4	Progressive	6	JS123XF					JS123XF		8~14	107
		<4	Heavy	6	JS925VF						JS925VF	10~14	107
		<4	Heavy	6		JS920CF		JS920CF			JS920CF	9	106
		5/32~1/2	Heavy	6		JS955CHM						9	106
		<6	Heavy	8	JS1025VF						JS1025VF	10~14	107
		<7	Flexible	9	JS1122BF				JS1122BF			14	108
		<7	Heavy	9	JS1125VF						JS1125VF	10~14	107
		<7	Heavy	9		JS1120CF		JS1120CF			JS1120CF	9	107
		5/32~1/2	Heavy	9		JS1155CHM						9	106
		<10	Heavy	12	JS1225VF						JS1225VF	10~14	108
		5/32~1/2	Heavy	12		JS1255CHM						9	106
	Pipes, profiles (solid) Coolant: cutting oil MAX RPM 500~2000	<4	Progressive	6	JS123XF					JS123XF		8~14	107
		<4	Flexible	6	JS922BF							14	108
		<4	Heavy	6		JS920CF		JS920CF			JS920CF	9	106
		5/32~1/2	Heavy	6		JS955CHM		JS955CHM			JS955CHM	9	106
		<7	Flexible	9	JS1122BF					JS1122BF		14	108
		<7	Heavy	9		JS1120CF		JS1120CF			JS1120CF	9	107
		5/32~1/2	Heavy	9		JS1155CHM		JS1155CHM			JS1155CHM	9	106
SPECIAL	Plasterboard	<4	Special	6	JS641HM	JS611DF	JS711DF					6	103, 109
	Fiber cement panels	<7	Special	9		JS1141HM		JS1141HM				3	109
		<8-1/2	Special	12		JS1243HM		JS1243HM				2	110
		<10	Special	12		JS1241HM		JS1241HM				3	109
		<14	Special	18		JS2243HM		JS2243HM				2	110
	Fiber insulation	<7	Special	9	JS1113AWP-2								110
		<10	Special	12	JS1213AWP								110
		<12	Special	15-3/4	JS2013AWP								110
	Porous concrete, red brick	<7	Special	9		JS1141HM		JS1141HM				3	109
		<8-1/2	Special	12		JS1243HM		JS1243HM				2	110
		<10	Special	12		JS1241HM		JS1241HM				3	109
		<14	Special	18		JS2243HM		JS2243HM				2	110
	Ice, frozen, meat, bone	<10	Special	12		JS1211K						3	111

JS617K



ORDER NO. Universal shank	Skin Pack Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS617K-5	5	6	5	3/4	0.049	3	10



Cuts coarse wood, free of nails (<4"), pruning green wood (diameter <4"), excellent for curved and plunge cutting.

JS1111K



ORDER NO. Universal shank	Skin Pack Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS1111K-5	5	9	8	3/4	0.049	3	10



Coarse wood, free of nails (<6-7/8"), firewood (diameter <6-7/8").

JS1617K



ORDER NO. Universal shank	Skin Pack Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS1617K-5	5	12	11	3/4	0.049	3	10



Coarse wood, free of nails (<10"), pruning green wood (diameter <10").

JS644D

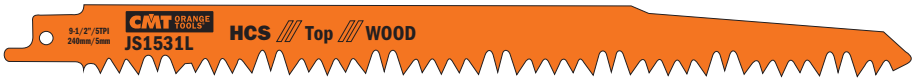


ORDER NO. Universal shank	Skin Pack Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS644D-5	5	6	5	3/4	0.049	6	10



Cuts construction wood (<4"), wooden wall panels (<4"), chipboard, MDF (1/4"~2-3/8"), plywood, plastic (<4"). Special for plunge cutting.

JS1531L



ORDER NO. Universal shank	Skin Pack Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS1531L-5	5	9-1/2	8-5/8	3/4	0.059	5	10
new JS1531L-20	20	9-1/2	8-5/8	3/4	0.059	5	5



Coarse wood, free of nails (<7-1/2"), pruning green wood (diameter <7-1/2"), firewood (diameter <7-1/2").

JS2345X



ORDER NO. Universal shank	Skin Pack Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS2345X-5	5	8	7-1/8	3/4	0.049	6-10	10



Cuts construction wood (<5-7/8"), chipboard, MDF (1/4"~2-3/8"), plywood, plastic (<6"), wooden wall (<5-7/8"). Effortless fine cutting.

JS611DF



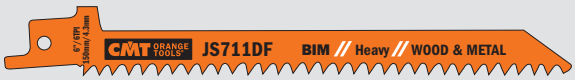
WOOD&METAL | MILLED & SIDE SET TEETH | EASY CUT | LONG LIFE | BIM 8% Co

ORDER NO. Universal shank	SKIN PACK Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS611DF-5	5	6	5-1/8	3/4	0.049	6	10

Coarse Straight | Wood with Nails | Boards | Plasterboard | Epoxy | Plunge Cut | <4”

Cuts wood with nails/embedded metal (<4”), plastic profiles (<4”), fiberglass and epoxy (<2”), wood and metal window frames.
Special for plunge cutting.

JS711DF



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

ORDER NO. Universal shank	SKIN PACK Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS711DF-5	5	6	5-1/8	1/2	0.049	6	10

Fine Curve | Wood with Nails | Boards | Plasterboard | Epoxy | <4”

Cuts wood with nails/embedded metal (<4”), fiberglass and epoxy (<2”). Excellent for curved cuts.

JS1111DF



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

ORDER NO. Universal shank	SKIN PACK Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS1111DF-5	5	9	8	3/4	0.049	6	10
JS1111DF-20	20	9	8	3/4	0.049	6	5

Coarse Straight | Wood with Nails | Boards | Plastics | Epoxy | <6-7/8”

For cutting wood with nails/embedded metal, chipboard (<6-7/8”), plastic profiles (<6-7/8”), fiberglass and epoxy (<2”).

JS1411DF



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

ORDER NO. Universal shank	SKIN PACK Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS1411DF-5	5	12	11	3/4	0.049	6	10

Coarse Straight | Wood with Nails | Boards | Plastics | Epoxy | <10”

Cuts wood with nails/embedded metal, chipboard (<10”), fiberglass and epoxy (<2-3/8”).

JS610VF



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

ORDER NO. Universal shank	SKIN PACK Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS610VF-5	5	6	5-1/8	7/8	0.063	5-8	10

Coarse Straight | Accurate Angle Cut | Wood with Nails | Boards | Wooden Wall Cutout | Epoxy | <4”

Cuts wood with nails/metal, wood, chipboard (<4”), fiberglass and epoxy (<4”), wood and metal wall cut-outs, (<4”).
Excellent for rescue/demolition work.

JS1110VF



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

ORDER NO. Universal shank	Skin Pack Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS1110VF-5	5	9	8	7/8	0.063	5-8	10
JS1110VF-20	20	9	8	7/8	0.063	5-8	5



For cutting wood with nails/embedded metal, chipboard (<6-7/8”), fiberglass and epoxy, wood and metal wall cut-outs (<6-7/8”).
For rescue and demolition work.

JS1210VF



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

ORDER NO. Universal shank	Skin Pack Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS1210VF-5	5	12	11	7/8	0.063	5-8	10



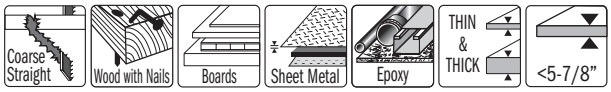
Cuts wood with nails/embedded metal, wood, chipboard (<10”), fiberglass and epoxy (<10”), wood and metal wall cut-outs (<10”).

JS3456XF



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

ORDER NO. Universal shank	Skin Pack Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS3456XF-5	5	8	7-1/8	3/4	0.049	6-12	10
JS3456XF-20	20	8	7-1/8	3/4	0.049	6-12	5



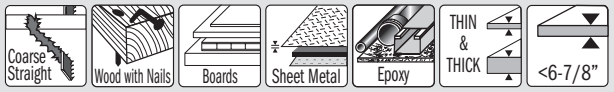
For cutting wood with nails/embedded metal (<5-7/8”), sheet metal, pipe and aluminum profiles from (1/8”~23/32”) in thickness, fiberglass and epoxy (<5-7/8”).

JS5678XF



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

ORDER NO. Universal shank	Skin Pack Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS5678XF-5	5	9	8	1	0.049	6-12	10
JS5678XF-20	20	9	8	1	0.049	6-12	5



For cutting wood with nails or metal, chipboard (<6-7/8”), sheet metal, aluminum profiles (1/8”~23/32”), glass fiber-reinforced plastic/epoxy (<6-7/8”).

JS725VFR



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

ORDER NO. Universal shank	Skin Pack Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS725VFR-5	5	8	7-1/8	3/4	0.050	8-12	10
JS725VFR-20	20	8	7-1/8	3/4	0.050	8-12	5



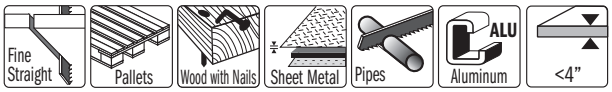
Special saw blade for pallet repair. Cutting depth <5-7/8”. Optimized for reduced vibration.

JS922HF



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

ORDER NO. Universal shank	Skin Pack Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS922HF-5	5	6	5-1/8	3/4	0.035	10	10



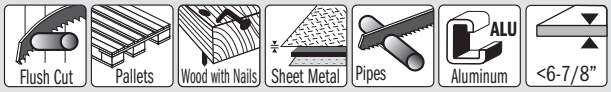
For pallet repair, wood with nails/embedded metal (<4”), sheet metal, pipe, aluminum profiles (1/8”~1/2”).

JS1122HF



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

ORDER NO. Universal shank	Skin Pack Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS1122HF-5	5	9	8	3/4	0.035	10	10
JS1122HF-20	20	9	8	3/4	0.035	10	5



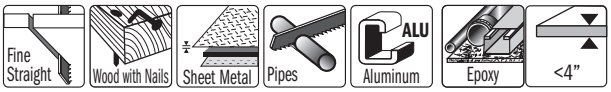
For pallet repair, wood with nails/embedded metal (<6-7/8”), sheet metal, pipe, aluminum profiles (1/8”~1/2”). Flexible flush cutting.

JS922VF



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

ORDER NO. Universal shank	Skin Pack Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS922VF-5	5	6	5-1/8	3/4	0.035	10-14	10



Cuts wood with nails/embedded metal (<4”), sheet metal, pipe and aluminum profiles (1/8”~3/8”), fiberglass and epoxy (<4”).

JS1122VF



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

ORDER NO. Universal shank	Skin Pack Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS1122VF-5	5	9	8	3/4	0.035	10-14	10



Cuts wood with nails/embedded metal (<6-7/8”), sheet metal, aluminum profiles (1/8 ~3/8”), fiberglass and epoxy (<6-7/8”). Flexible flush cutting.

JS1222VF



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

ORDER NO. Universal shank	Skin Pack Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS1222VF-5	5	12	11	3/4	0.035	10-14	10



Cuts wood with nails/embedded metal (<10”), sheet metal, aluminum profiles (1/8”~3/8”), fiberglass and epoxy (<10”). Flexible flush cutting.

CMT ORANGE TOOLS®

JS956XHM CARBIDE TOOTH

WOOD&METAL EXTRA LONG LIFE DEMOLITION CARBIDE TIPPED



ORDER NO. Universal shank	Skin Pack Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS956XHM-3	3	6	5-1/8	15/16	0.047	6-8	10



For cutting wood with nails or metal (nails/metal hardness up to 40 HRC), repairing pallets, plasterboard, plastics, glass fiber-reinforced plastic/epoxy, fiber cement (<4"). For rescue and demolition work.

JS1156XHM CARBIDE TOOTH

WOOD&METAL EXTRA LONG LIFE DEMOLITION CARBIDE TIPPED



ORDER NO. Universal shank	Skin Pack Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS1156XHM-3	3	9	8	15/16	0.047	6-8	10



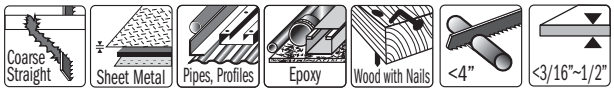
For cutting wood with nails or metal (nails/metal hardness up to 40 HRC), repairing pallets, plasterboard, plastics, glass fiber-reinforced plastic/epoxy, fiber cement (<6-7/8"). For rescue and demolition work.

JS955CHM CARBIDE TOOTH

METAL EXTRA LONG LIFE CARBIDE TIPPED



ORDER NO. Universal shank	Skin Pack Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS955CHM-3	3	6	5-1/8	15/16	0.047	8	10



For cutting thick sheet metal (3/16"~1/2"), pipes & profiles (<4"), plastics, glass fiber-reinforced plastic/epoxy, fiber cement (<4"), wood with nails or metal.

JS1155CHM CARBIDE TOOTH

METAL EXTRA LONG LIFE FAST CUT CARBIDE TIPPED



ORDER NO. Universal shank	Skin Pack Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS1155CHM-3	3	9	8	15/16	0.047	8	10

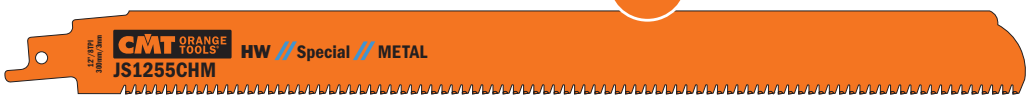


For cutting thick sheet metal (3/16"~1/2"), pipes & profiles (<6-7/8"), plastics, glass fiber-reinforced plastic/epoxy, fiber cement (<6-7/8"), wood with nails or metal.

JS1255CHM CARBIDE TOOTH

new

METAL EXTRA LONG LIFE CARBIDE TIPPED



ORDER NO. Universal shank	Skin Pack Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS1255CHM	1	12	10-1/2	15/16	0.047	8	10



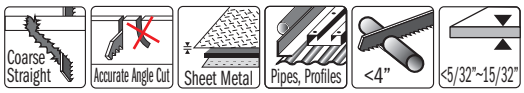
For cutting thick sheet metal (3/16"~1/2"), pipes & profiles (<10"), plastics, glass fiber-reinforced plastic/epoxy, fiber cement (<10"), wood with nails or metal.

JS920CF





ORDER NO. Universal shank	Skin Pack Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS920CF-5	5	6	5-1/8	7/8	0.063	9	10



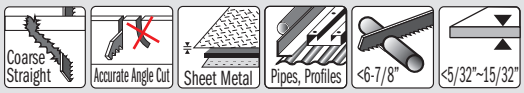
Cuts thick sheet metal (5/32"~15/32"), thick-walled pipe and profiles (<4"). Ideal for pipe cutting, for rescue/demolition work. Powerful coarse cutting.

JS1120CF





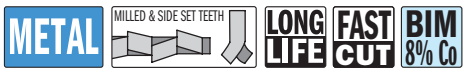
ORDER NO. Universal shank	Skin Pack Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS1120CF-5	5	9	8	7/8	0.063	9	10
JS1120CF-20	20	9	8	7/8	0.063	9	5



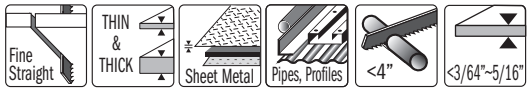
For cutting thick sheet metal (5/32"~15/32"), thick-walled pipe and profiles (<6-7/8"). Ideal for pipe cutters, for rescue/demolition work. Powerful coarse cutting.

JS123XF





ORDER NO. Universal shank	Skin Pack Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS123XF-5	5	6	5-1/8	3/4	0.035	8-14	10



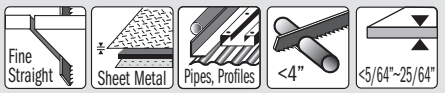
Cuts thin sheet metal (3/64"~5/16") pipes and profiles (diameter <4").

JS925VF





ORDER NO. Universal shank	Skin Pack Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS925VF-5	5	6	5	3/4	0.049	10-14	10



Cuts medium-thick to thick sheet metal (5/64"~25/64"), thin and thick-walled pipe and profiles (<4"). Ideal for demolition work in metal. Fine effortless cutting.

JS1025VF





ORDER NO. Universal shank	Skin Pack Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS1025VF-5	5	8	7-1/8	3/4	0.049	10-14	10



Cuts medium-thick to thick sheet metal (5/64"~25/64"), thin and thick-walled pipe and profiles (<5-7/8"). Ideal for demolition work on metal. Fine effortless cutting.

CMT ORANGE TOOLS®

JS1125VF

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



ORDER NO. Universal shank	Skin Pack Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS1125VF-5	5	9	8	3/4	0.049	10-14	10



Cuts medium-thick to thick sheet metal (5/64"~25/64"), thin and thick-walled pipe and profiles (<6-7/8"). Ideal for demolition work on metal. Fine effortless cutting.

JS1225VF

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



ORDER NO. Universal shank	Skin Pack Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS1225VF-5	5	12	11	3/4	0.049	10-14	10



Cuts medium-thick to thick sheet metal (5/64"~25/64"), thin and thick-walled pipe and profiles (<10"). Ideal for demolition work in metal. Fine effortless cutting.

JS922BF

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



ORDER NO. Universal shank	Skin Pack Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS922BF-5	5	6	5-1/8	3/4	0.035	14	10
JS922BF-20	20	6	5-1/8	3/4	0.035	14	5



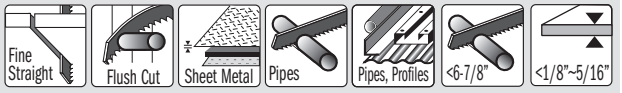
Cuts thin sheet metal (1/8"~5/16"), thin pipe and profiles (diameter <4"). Fine effortless cutting.

JS1122BF

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



ORDER NO. Universal shank	Skin Pack Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS1122BF-5	5	9	8	3/4	0.035	14	10
JS1122BF-20	20	9	8	3/4	0.035	14	5



Cuts thin sheet metal (1/8"~5/16"), thin pipe and profiles (diameter <6-7/8"). Fine effortless cutting. Flexible flush cuts.

JS922EF

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



ORDER NO. Universal shank	Skin Pack Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS922EF-5	5	6	5-1/8	3/4	0.035	18	10
JS922EF-20	20	6	5-1/8	3/4	0.035	18	5



Cuts thin sheet metal (1/16"~5/32"), pipe and profiles (diameter <4").

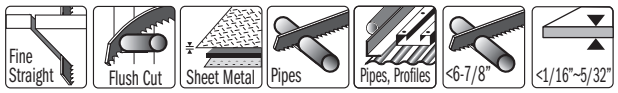
CMT ORANGE TOOLS®

JS1122EF

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



ORDER NO. Universal shank	SKIN PACK Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS1122EF-5	5	9	8	3/4	0.035	18	10
JS1122EF-20	20	9	8	3/4	0.035	18	5



Cuts thin sheet metal (1/16"~5/32"), pipe and profiles (diameter <6-7/8"). Flexible flush cuts.

JS922AF

METAL | MILLED & WAVY SET TEETH | EASY CUT | FINE CUT | LONG LIFE | BIM 8% Co



ORDER NO. Universal shank	SKIN PACK Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS922AF-5	5	6	5-1/8	3/4	0.035	24	10



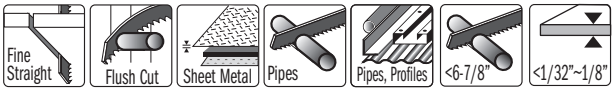
Cuts thin sheet metal (1/32"~1/8"), fine pipe and profiles (diameter <4"). Effortless fine cuts.

JS1122AF

METAL | MILLED & WAVY SET TEETH | EASY CUT | FINE CUT | LONG LIFE | BIM 8% Co



ORDER NO. Universal shank	SKIN PACK Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS1122AF-5	5	9	8	3/4	0.035	24	10



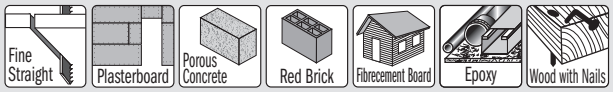
Cuts thin sheet metal (1/32"~1/8"), fine pipe and profiles (diameter <6-7/8"). Effortless fine cuts.

JS641HM CARBIDE TOOTH

SPECIAL | EXTRA LONG LIFE | EASY CUT | FINE CUT | CARBIDE TIPPED



ORDER NO. Universal shank	SKIN PACK Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS641HM-2	2	6	5-1/8	3/4	0.047	6	25



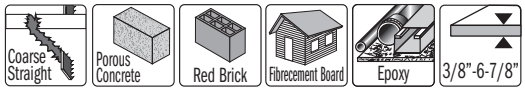
Cuts porous concrete, red brick, fiber cement, plasterboard, fiber-reinforced plastic and epoxy (<4"), wood & nails, ETERNIT®, MDF.

JS1141HM CARBIDE TOOTH

SPECIAL | EXTRA LONG LIFE | FAST CUT | CARBIDE TIPPED



ORDER NO. Universal shank	SKIN PACK Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS1141HM-2	2	9	8	7/8	0.047	3	25



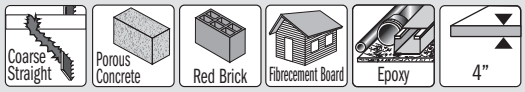
For cutting porous concrete, red brick, fiber cement (3/8"-6-7/8"), glass fiber-reinforced plastic/epoxy (<4"). Fast Cut.

JS1241HM CARBIDE TOOTH

SPECIAL | EXTRA LONG LIFE | FAST CUT | CARBIDE TIPPED



ORDER NO. Universal shank	SKIN PACK Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS1241HM-2	2	12	11	7/8	0.059	3	25



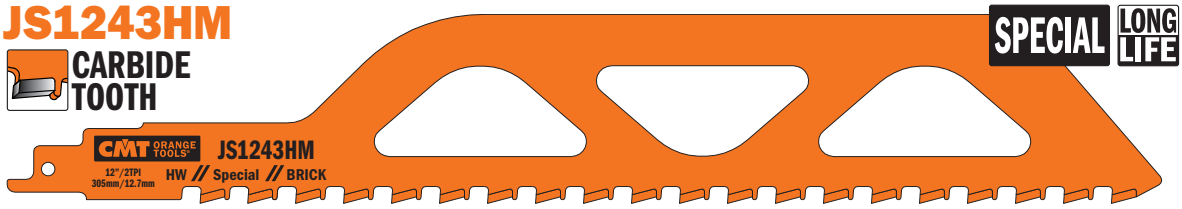
For cutting porous concrete, red brick, fiber cement (3/8"-10"), glass fiber-reinforced plastic/epoxy (<4"). Fast Cut.

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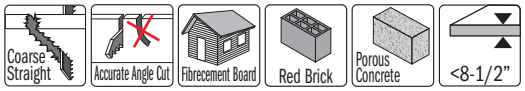
JS1243HM

CARBIDE TOOTH

SPECIAL LONG LIFE FAST CUT CARBIDE TIPPED



ORDER NO. Universal shank	Skin Pack Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS1243HM	1	12	10	2	0.059	2	25

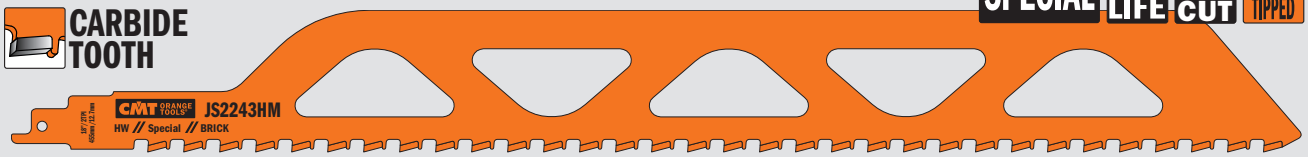


Cuts medium-sized brick up to 8-1/2" in thickness.

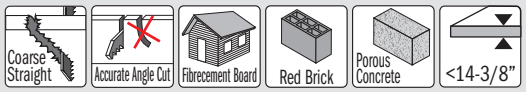
JS2243HM

CARBIDE TOOTH

SPECIAL LONG LIFE FAST CUT CARBIDE TIPPED



ORDER NO. Universal shank	Skin Pack Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS2243HM	1	18	16	2	0.049	2	25



Cuts large brick up to 14-3/8" in thickness.

JS1113AWP-2

new

SPECIAL GROUND & KNIFE-EDGE CLEAN CUT PRECISION CUT HCS



ORDER NO. Universal shank	Skin Pack Quantity	L inches	I inches	H inches	K inches	TS Tooth Spacing Inch	
JS1113AWP-2	2	9	8-1/4	7/8	0.059	13/64	25



For cutting polystyrene and fiber insulation (<7"). Clean and precision cut.

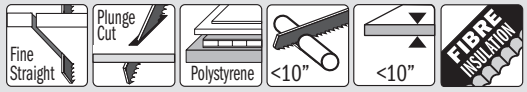
JS1213AWP

new

SPECIAL GROUND & KNIFE-EDGE CLEAN CUT PRECISION CUT HCS



ORDER NO. Universal shank	Skin Pack Quantity	L inches	I inches	H inches	K inches	TS Tooth Spacing Inch	
JS1213AWP	1	12	11	7/8	0.059	13/64	25

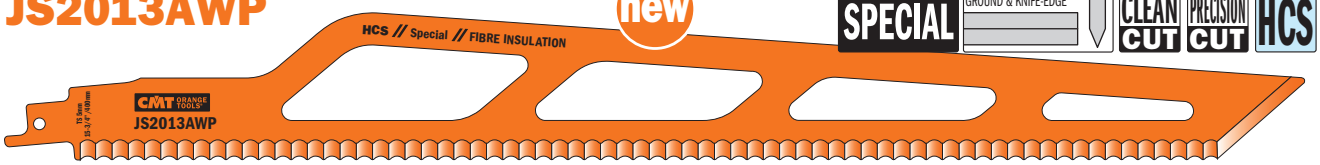


For cutting polystyrene and fiber insulation (<10"). Clean and precision cut.

JS2013AWP

new

SPECIAL GROUND & KNIFE-EDGE CLEAN CUT PRECISION CUT HCS



ORDER NO. Universal shank	Skin Pack Quantity	L inches	I inches	H inches	K inches	TS Tooth Spacing Inch	
JS2013AWP	1	15-3/4	15	1-3/4	0.059	13/64	25



For cutting polystyrene and fiber insulation (<12"). Clean and precision cut.

JS1211K



SPECIAL FAST CUT INOX

ORDER NO. Universal shank	SKIN PACK Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS1211K-5	5	12	10-7/8	3/4	0.047	3	10

Frozen | Ice | Meat | Bone | <10"

✓Compliant with: CD-P-MCA.

Ideal for sectioning and cutting meat, bone, frozen products and ice up to 10" in thickness.

25-piece Reciprocating Saw Blade Set



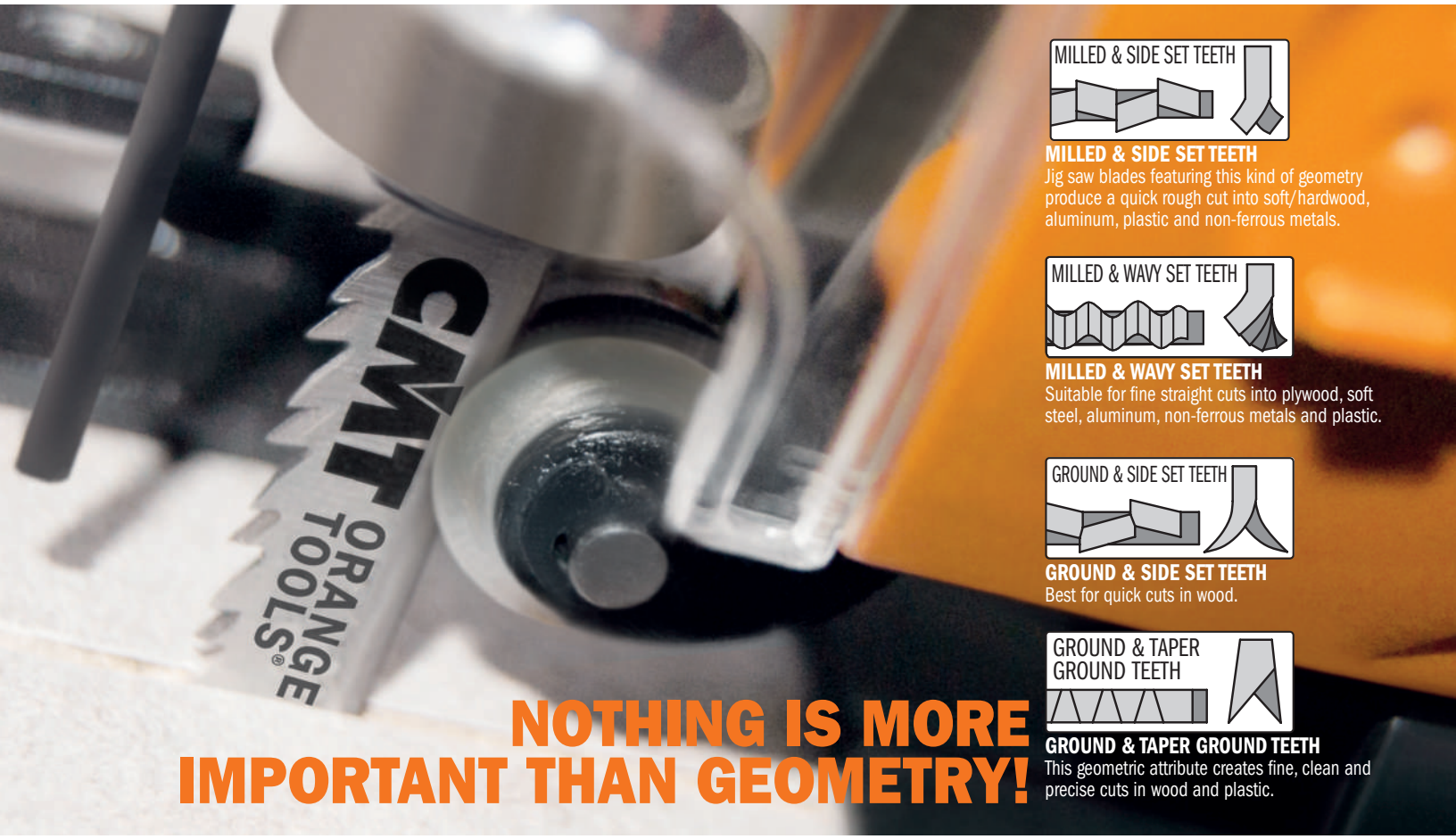
JS025

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 <7-1/8"	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 <7-1/8"	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 <7-1/8"	LONG LIFE	

Minimum 10 pieces or multiple

QUALITY MATERIALS FOR OUTSTANDING PERFORMANCE

State-of-the-art processes and high-tech machinery are behind all of our jig saw blades. Composed of three different materials, they're specifically designed to make precise cuts on soft & hardwood, plywood, OSB, laminates, plastics, HPL, multiplex panels, metals, ferrous and non-ferrous materials, aluminum, fiberglass and stainless steel. And the best part, they're built to last!



NOTHING IS MORE IMPORTANT THAN GEOMETRY!

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

MILLED & WAVY SET TEETH
Suitable for fine straight cuts into plywood, soft steel, aluminum, 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.

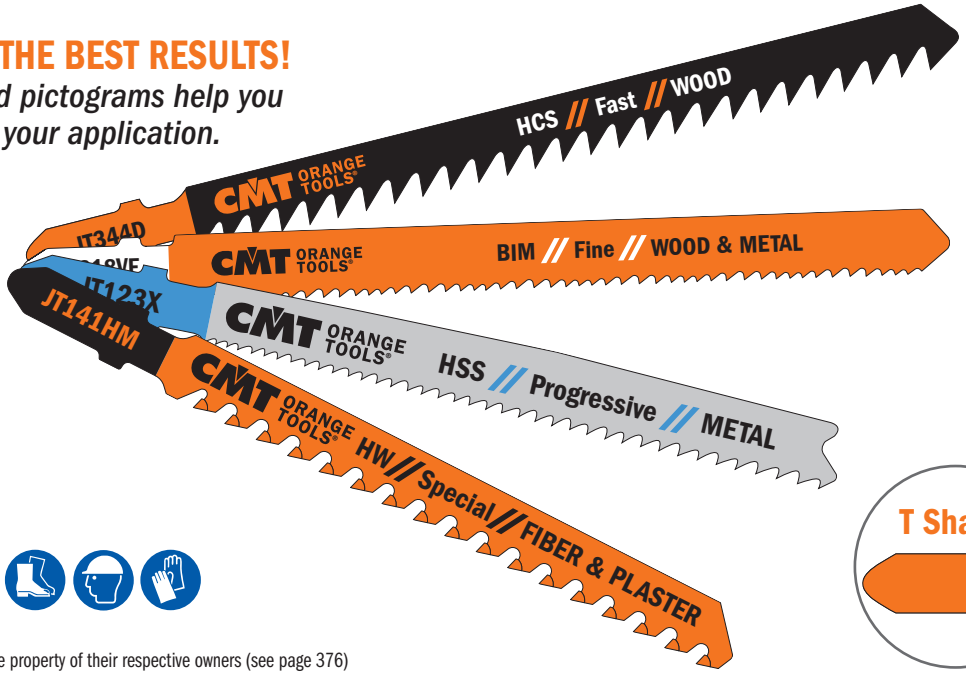
HSS **HIGH SPEED STEEL**
For cutting harder materials, such as metals, aluminum and non-ferrous metals.

CARBIDE TIPPED **TUNGSTEN CARBIDE TIPPED**
For cutting fiber cement board, brick, porous concrete, plasterboard, MDF, fiberglass and ETERNIT®.

THE RIGHT BLADE FOR THE BEST RESULTS!

Quick reference charts and pictograms help you choose 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 page 376)

Guide to choosing the most suitable jig saw blade

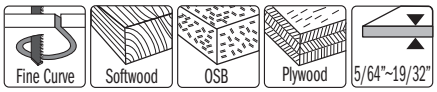
SERIES	MATERIAL	THICKNESS	LINE	FINE STRAIGHT	COARSE STRAIGHT	FINE CURVE	COARSE CURVE	PAGE
WOOD	Softwood	1/16 - 3/4	Fine			JT101AO		116
		5/64 - 19/32	Basic			JT119BO		115
		1/8 - 2-9/16	Fine, Splinter-Free	JT234X				117
		1/8 - 1-1/4	Fine	JT101B				117
		1/8 - 1-1/4	Fine, Splinter-Free	JT101BR				116
		5/32 - 2-3/8	Basic		JT111C			115
		7/32 - 2-3/8	Fast	JT144DHM	JT144D		JT244D - JT244DDC	115
		13/64 - 4	Fast		JT344D			116
		1/4 - 2-3/8	Fine	JT101D				117
		3/16 - 2-9/16	Fine	JT301CD - JT318VF				117
	Hardwood	1/16 - 3/4	Fine			JT101AO		116
		1/8 - 1-1/4	Fine	JT101B				116
		1/8 - 1-1/4	Fine, Splinter-Free	JT101BR				116
		1/8 - 2-9/16	Fine, Splinter-Free	JT234X				117
		7/32 - 2-3/8	Fast	JT144DHM	JT144D		JT244D - JT244DDC	115
		13/64 - 4	Fast		JT344D			116
		1/4 - 2-3/8	Fine	JT101D				117
		3/16 - 2-9/16	Fine	JT301CD - JT318VF				117
	OSB	5/64 - 19/32	Basic			JT119BO		115
		1/8 - 1-1/4	Fine	JT101B				117
		5/32 - 2-3/8	Basic		JT111C			115
		7/32 - 2-3/8	Fast	JT144DHM	JT144D		JT244D - JT244DDC	115
		1/4 - 2-3/8	Fine	JT101D - JT318VF				117
	Plywood	1/16 - 3/4	Fine			JT101AO		116
		5/64 - 19/32	Basic			JT119BO		115
		1/8 - 1-1/4	Fine	JT101B				116
		1/8 - 1-1/4	Fine, Splinter-Free	JT101BR				116
		1/8 - 2-9/16	Fine, Splinter-Free	JT234X - JT318VF				117
		5/32 - 2-3/8	Basic		JT111C			115
		7/32 - 2-3/8	Fast	JT144DHM	JT144D		JT244D - JT244DDC	115
		13/64 - 4	Fast		JT344D			116
		1/4 - 2-3/8	Fine	JT101D - JT318VF				117
	Construction Wood	<1-1/4	Fine	JT101B				116
		1/8 - 2-9/16	Fine, Splinter-Free	JT234X				117
		<4	Fast		JT344D			116
		<5-3/8	Fast	JT144DHM	JT144D			115
	Chipboard	5/64 - 19/32	Basic			JT119BO		115
		1/8 - 1-1/4	Fine	JT101B		JT101AO		116
		1/8 - 2-9/16	Fine, Splinter-Free	JT234X - JT318VF				117
		5/32 - 2-3/8	Basic		JT111C			115
		7/32 - 2-3/8	Fast	JT144DHM	JT144D		JT244D - JT244DDC	115
	Laminated panels	1/16 - 3/4	Fine			JT101AO		116
	Kitchen Tops	1/16 - 3/4	Fine, Long Life	JT101BIF				117
	Worktops	1/8 - 1-1/4	Fine	JT101B				116
		1/8 - 1-1/4	Fine, Splinter-Free	JT101BR				116
		1/8 - 2-9/16	Fine, Splinter-Free	JT234X				117
		3/16 - 2	Fine, Splinter-Free	JT308BFP				117
		3/16 - 2	Fine, Long Life	JT128BHM				117
METAL	Sheet metals	3/64 - 1/8	Basic	JT118A		JT218A		118
		1/16 - 3/8	Fast, Long Life	JT123X - JT318VF				117, 118
		3/64 - 1/8	Basic	JT118B				118
	Aluminum, non-ferrous	<1-1/4	Fast	JT127D				118
		1/16 - 3/8	Fast	JT123X - JT318VF				117, 118
	Pipes	<1-1/4	Fast	JT123X - JT318VF				117, 118
	Inox Sheets	1/16 - 3/8	Fast	JT123X - JT318VF				117, 118
	Sandwich Material	<4-3/4	Fast, Flexible	JT718BF				118
SPECIAL	GRP (Fiberglass)	<1-1/4	Fast	JT127D				118
	Plastic (PP, PE, PVC, PA, PS)	<1-1/4	Fine	JT101D				117
		<1-1/4	Fast	JT123X				118
		3/16 - 2-9/16	Fine	JT301CD - JT318VF				117
	Plasterboard	3/16 ~ 2	Special		JT141HM			119
		3/16 ~ 3	Special		JT341HM			119
	GRP (Fiberglass)	<80	Special		JT341HM			119
	Fiber cement boards	3/16 ~ 2	Special		JT141HM			119
		3/16 ~ 3	Special		JT341HM			119
		3/16 ~ 3	Special	JT367XHM				119
	Carton, Leather, Rubber	<4	Special	JT313AW				119
	Soft Tile, Cast Iron	3/16 ~ 3/8	Special	JT150RF				119

JT119BO





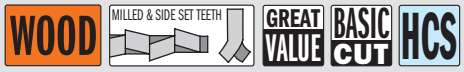
ORDER NO. T-Shank	Skin Pack Quantity	I inches	L inches	TPI Teeth Per Inch	
JT119BO-5	5	2	3	12	100



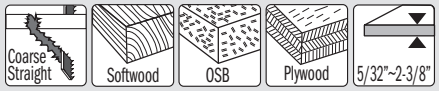
Curve cuts on softwood (5/64"~19/32"), plywood, OSB.

JT111C





ORDER NO. T-Shank	Skin Pack Quantity	I inches	L inches	TPI Teeth Per Inch	
JT111C-5	5	3	4	8	100



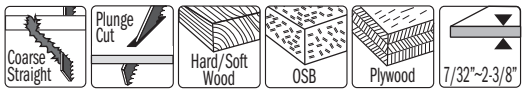
Fast coarse cuts on softwood (5/32"~2-3/8"), plywood, OSB.

JT144D





ORDER NO. T-Shank	Skin Pack Quantity	I inches	L inches	TPI Teeth Per Inch	
JT144D-5	5	3	4	6	100
JT144D-25	25	3	4	6	10
JT144D-100	100	3	4	6	4



Very fast cuts, straight and coarse, on hard/softwood (7/32"~2-3/8"), plywood, OSB. Plunge cutting.

JT144DHM





ORDER NO. T-Shank	Skin Pack Quantity	I inches	L inches	TPI Teeth Per Inch	
JT144DHM	1	3	4	5-7	10



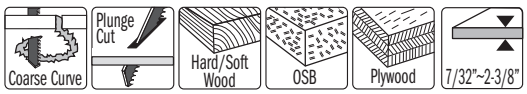
Superior cuts and XTREME durability in composite decking materials and hard woods (7/32"~2-3/8"). Plunge cutting.

JT244D





ORDER NO. T-Shank	Skin Pack Quantity	I inches	L inches	TPI Teeth Per Inch	
JT244D-5	5	3	4	6	100



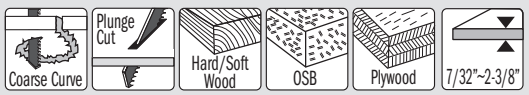
Fast, curve, coarse cut on soft and hardwood (7/32"~2-3/8"), plywood, OSB. Plunge cutting

JT244DDC





ORDER NO. T-Shank	Skin Pack Quantity	I inches	L inches	TPI Teeth Per Inch	
JT244DDC-5	5	3	4	6	100



Fast, curve, coarse cut on soft and hardwood (7/32"~ 2-3/8"), plywood, OSB. Plunge cutting. Special "DUO" (double) cuts for fast curve cutting.

CMT ORANGE TOOLS®

JT344D





ORDER NO. T-Shank	Skin Pack Quantity	I inches	L inches	TPI Teeth Per Inch	
JT344D-5	5	4-1/8	5-1/4	6	100



Very fast cuts, straight and coarse on thick construction timber, hard/softwood (13/64"~4"), plywood, OSB.

JT744D





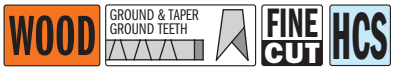
ORDER NO. T-Shank	Skin Pack Quantity	I inches	L inches	TPI Teeth Per Inch	
JT744D-3	3	6-7/64	7-3/32	6	20



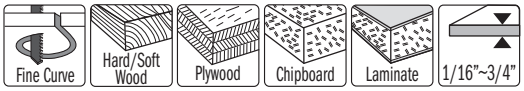
Very fast cuts, straight and coarse on thick construction timber, hard/softwood (13/64"~5-5/16") and sandwich material.

JT101AO





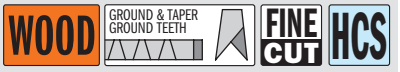
ORDER NO. T-Shank	Skin Pack Quantity	I inches	L inches	TPI Teeth Per Inch	
JT101AO-5	5	2	3	20	100



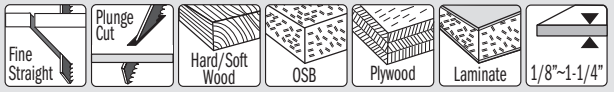
Curved cuts, fine finishing on both sides of surface on hard/softwood, plywood, chipboard, MDF, double sided laminates (1/16"~3/4").

JT101B





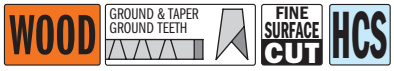
ORDER NO. T-Shank	Skin Pack Quantity	I inches	L inches	TPI Teeth Per Inch	
JT101B-5	5	3	4	10	100
JT101B-25	25	3	4	10	10



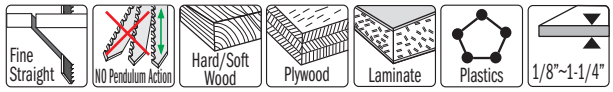
Fine straight cuts with fine finishing on hard/softwood, plywood, OSB and plastics (1/8"~1-1/4"). Plunge cutting.

JT101BR





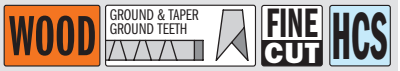
ORDER NO. T-Shank	Skin Pack Quantity	I inches	L inches	TPI Teeth Per Inch	
JT101BR-5	5	3	4	10	100
JT101BR-25	25	3	4	10	10



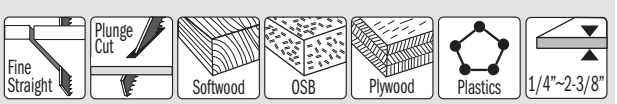
Straight cuts, fine finishing on upper side, hard/softwood, plywood, OSB, laminated panels, plastics (1/8"~1-1/4"). Reverse tooth.

JT101D





ORDER NO. T-Shank	Skin Pack Quantity	I inches	L inches	TPI Teeth Per Inch	
JT101D-5	5	3	4	6	100



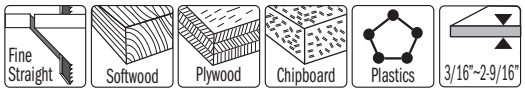
Straight cuts, fine finishing on upper side, on hard/softwood, plywood, OSB, laminates and plastics (1/4"~2-3/8"). Plunge cutting.

JT301CD

JT301CD — CMT ORANGE TOOLS — HCS // Fine // WOOD

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

ORDER NO. T-Shank	Skin Pack Quantity	I inches	L inches	TPI Teeth Per Inch	
JT301CD-5	5	3-1/2	4-1/2	8	100



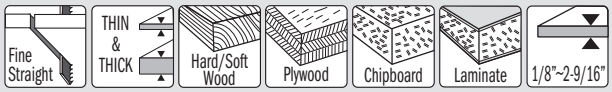
Straight cuts, good finishing, on hard/softwood, plywood, laminates and plastics (3/16"~2-9/16").

JT234X

JT234X — CMT ORANGE TOOLS — HCS // Progressive // WOOD

WOOD | GROUND & TAPER GROUND TEETH | SPLINTER FREE CUT | HCS

ORDER NO. T-Shank	Skin Pack Quantity	I inches	L inches	TPI Teeth Per Inch	
JT234X-5	5	3-1/2	4-1/2	8-12	100



Extra-clean straight cuts, splinter-free finish, on hard/softwood, plywood, OSB, laminates (1/8"~2-9/16").

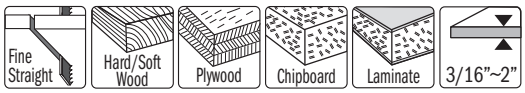
JT308BFP

new

JT308BFP — CMT ORANGE TOOLS — BIM // Top & Bottom Fine Finish // WOOD

WOOD | BI-DIRECTIONAL TOOTH — DESIGN FOR ULTRA-FINE TOP & BOTTOM FINISHES | PRECISION CUT | BIM 8% Co

ORDER NO. T-Shank	Skin Pack Quantity	I inches	L inches	TPI Teeth Per Inch	
JT308BFP-5	5	3-1/2	4-1/2	13	100



Straight and curved cuts, fine finishing on top and bottom, surface, on hard/softwood, plywood, chipboard, laminate (3/16"~2"). Reverse tooth. Bidirectional tooth.

JT128BHM

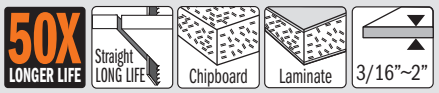
new

CARBIDE TOOTH

JT128BHM — CMT ORANGE TOOLS — CARBIDE // XTreme // LAMINATED

WOOD | BI-DIRECTIONAL TOOTH — DESIGN FOR ULTRA-FINE TOP & BOTTOM FINISHES | LONG LIFE | CARBIDE TIPPED

ORDER NO. T-Shank	Skin Pack Quantity	I inches	L inches	TPI Teeth Per Inch	
JT128BHM	5	2-11/16	3-5/8	14	10



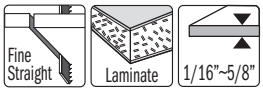
Superior cuts and XTREME durability in highly abrasive material such laminate and laminate flooring and TRESPA®, (3/16"~2").

JT101BIF

JT101BIF — CMT ORANGE TOOLS — BIM // LAMINATE

WOOD | GROUND & TAPER GROUND TEETH | LONG LIFE | SPLINTER FREE CUT | FINE CUT | BIM 8% Co

ORDER NO. T-Shank	Skin Pack Quantity	I inches	L inches	TPI Teeth Per Inch	
JT101BIF-5	5	2-5/16	3-1/4	15	100



Splinter-free cuts. Special for all laminates, HPL and multiplex panels (1/16"~5/8").

JT318VF

JT318VF — CMT ORANGE TOOLS — BIM // Fine // WOOD & METAL

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

ORDER NO. T-Shank	Skin Pack Quantity	I inches	L inches	TPI Teeth Per Inch	
JT318VF-5	5	4-3/8	5-1/4	10-15	100



Straight cuts on wood with nails/metal, chipboard and laminate (<2-3/8"), sheet metal, aluminum profiles (1/8"-23/32"), glass fiber reinforced plastic/epoxy (<2-3/8").

JT118A

JT118A — CMT ORANGE TOOLS — HSS // METAL

ORDER NO. T-Shank	Skin Pack Quantity	l inches	L inches	TPI Teeth Per Inch	
JT118A-5	5	2	3	21	100

Straight cuts on thin sheet metals, ferrous and non-ferrous (3/64”~1/8”).



JT218A

JT218A — CMT ORANGE TOOLS — HSS // METAL

ORDER NO. T-Shank	Skin Pack Quantity	l inches	L inches	TPI Teeth Per Inch	
JT218A-5	5	2	3	21	100

Curve cuts on thin sheet metals, ferrous and non-ferrous (3/64”~1/8”).



JT118B

JT118B — CMT ORANGE TOOLS — HSS // METAL

ORDER NO. T-Shank	Skin Pack Quantity	l inches	L inches	TPI Teeth Per Inch	
JT118B-5	5	2	3	12	100

Straight cuts on medium-thick metals, ferrous and non-ferrous (1/8”~1/4”).



JT123X

JT123X — CMT ORANGE TOOLS — HSS // Progressive // METAL

ORDER NO. T-Shank	Skin Pack Quantity	l inches	L inches	TPI Teeth Per Inch	
JT123X-5	5	3	4	10-21	100

Straight cuts on thin to thick sheet metals (1/16”~3/8”), pipes, profiles in plastic and aluminum (<1-1/4”), stainless steel (1/16”~1/8”).

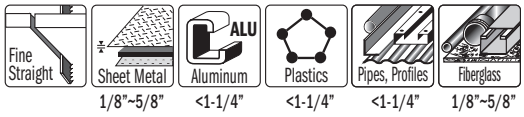


JT127D

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

ORDER NO. T-Shank	Skin Pack Quantity	l inches	L inches	TPI Teeth Per Inch	
JT127D-5	5	3	4	8	100

Special for aluminum, thin to thick (1/8”~5/8”), pipes and profiles, (<1-1/4”) including plastic, fiberglass and epoxy.

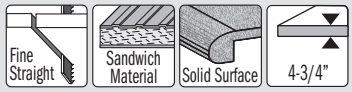


JT718BF

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

ORDER NO. T-Shank	Skin Pack Quantity	l inches	L inches	TPI Teeth Per Inch	
JT718BF-3	3	6-3/8	7-1/4	14	20

Special for sandwich materials & solid surfaces (<4-3/4”).



JT141HM

SPECIAL LONG LIFE CARBIDE TIPPED

CARBIDE TOOTH



ORDER NO. T-Shank	Skin Pack Quantity	I inches	L inches	TPI Teeth Per Inch	
JT141HM-3	3	3	4	6	50



Plasterboard, fiber cement boards (<2"). Fiberglass/Epoxy (3/16"~3/4"), ETERNIT®, MDF, HDF.

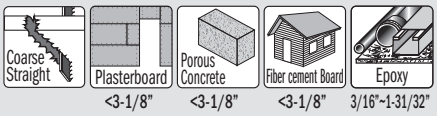
JT341HM

SPECIAL LONG LIFE CARBIDE TIPPED

CARBIDE TOOTH



ORDER NO. T-Shank	Skin Pack Quantity	I inches	L inches	TPI Teeth Per Inch	
JT341HM-3	3	4-3/8	5-1/4	6	50



Plasterboard, fiber cement boards (<3"). Glass fiber reinforced plastic/epoxy (3/16"~1-31/32"), fiber cement, MDF, HDF.

JT367XHM new

SPECIAL LONG LIFE CARBIDE TIPPED

CARBIDE TOOTH



ORDER NO. T-Shank	Skin Pack Quantity	I inches	L inches	TPI Teeth Per Inch	
JT367XHM	1	4-1/8	5-1/4	5-7	10



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

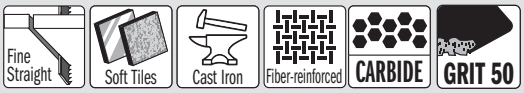
JT150RF

SPECIAL LONG LIFE CARBIDE GRIT

CARBIDE GRIT



ORDER NO. T-Shank	Skin Pack Quantity	I inches	L inches		
JT150RF-3	3	3	3-1/4		50



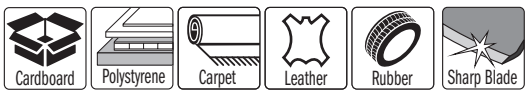
Soft ceramic tiles, cast iron (13/64"-3/8"), rienforced fiberglass.

JT313AW

SPECIAL HCS



ORDER NO. T-Shank	Skin Pack Quantity	I inches	L inches		
JT313AW-3	3	4	6		100



Cardboard, polystyrene, carpet, leather, rubber, fiberglass thermal insolation panels (<4").

® Brand names mentioned in CMT products are the property of their respective owners (see page 376)

JT016

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



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

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, fiber cement, fiberglass, epoxy resins, and panels such as ETERNIT®;
- metal and sheet metal both thick and thin;
- stainless steel;
- aluminum and plastics.

® Brand names mentioned in CMT products are the property of their respective owners (see page 376)







ACCESSORIES FOR MULTI-CUTTERS

STARLOCK®/STARLOCKPLUS®/STARLOCKMAX® Arbors

PRODUCTS	PAGE
Segment Blade for Wood	124
Plunge Cut for Wood	124~126
Segment Blade for Wood & Metal	126
Asymetric Blade for Wood & Metal	127
Plunge Cut for Wood & Metal	127-128
Plunge Cut for Metal	129
Carbide Tipped Plunge Cut for Multi-Materials	129
Blade & Rasp for Masonry	130-131
Scraper for Multi-Materials	132
Special Multi-Cutters & Set	133
Sanding Plate & Sandpaper for Wood	134
Polishing Fleece	134

UNIVERSAL/SUPERCUT ARBORS

PRODUCTS	PAGE
Plunge & Flush-Cut for Wood	136-137
Segment Blade for Wood	138
Plunge & Flush-Cut for Wood & Metal	138~140
Segment Blade for Wood & Metal	140
Scraper for Multi-Materials	141
Segment Blade for Masonry	141-142
Rasp for Masonry	142-143
Grout & Mortar Remover for Masonry	143
Sanding Plate & Sandpaper for Wood	143
Polishing Fleece	143
Multipurpose Sets for Multi-Cutters	144

CUTTING - SCRAPING - RASPING - SEPARATING - SANDING



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.

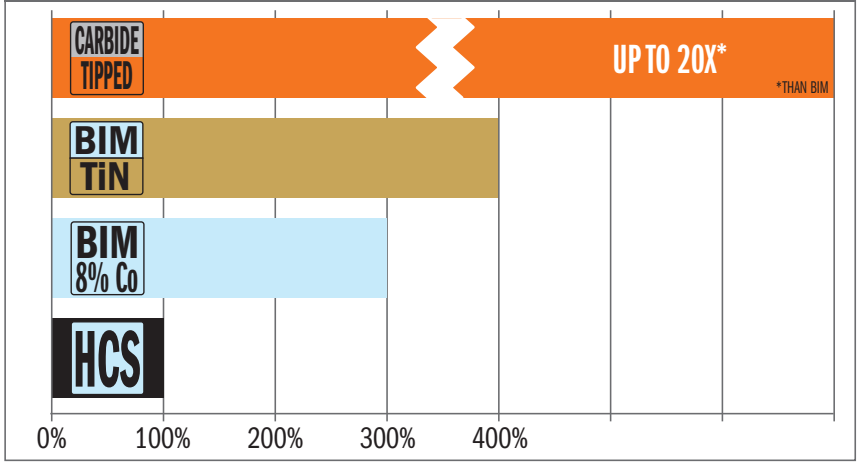
BIM TiN — **BI-METAL WITH 8% COBALT WITH TITANIUM COATING**
for cutting metal, nail embedded wood and plastic, providing extreme performance and longer lifetime.

CARBIDE TIPPED — **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 NEW SYSTEM FOR MULTI-CUTTER POWER 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®**.

POWERTOOL COMPATIBILITY CHART FOR CMT MULTI-CUTTER ACCESSORIES

Some brands may require an adaptor







	SL	SLP	SLM
AEG®	●		
BOSCH®	●	●	●
CMT®	●		
CRAFTSMAN®	●	●	
DEWALT® - DREMEL® - EINHELL®	●		
FEIN® MULTITALENT®/MULTIMASTER®	●	●	
FEIN® SUPERCUT AUTOMOTIVE/CONSTRUCTION	●	●	●
FESTOOL® VECTURO®	●	●	●
HITACHI®	●		
MAKITA®	●	●	
METABO®	●		
MILWAUKEE®	●	●	
RIDGID®	●		
ROCKWELL® - RYOBI® - SKIL®	●	●	
WORX®	●		

THE RIGHT BLADE FOR THE BEST RESULTS!

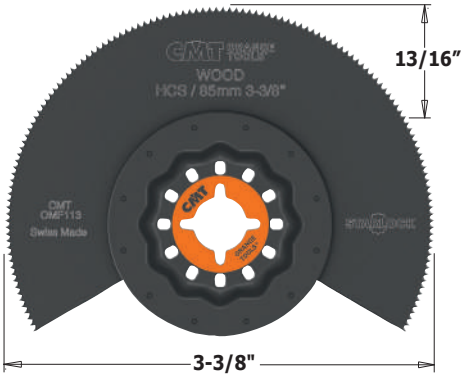
Quick reference charts and pictograms help you choose the right blade for your application.

new ECO PACK

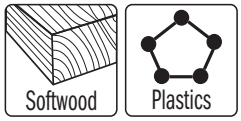
WOOD | **WOOD&METAL** | **METAL** | **MULTI-MATERIALS** | **MASONRY**



OMF113 STARLOCK



SEGMENT BLADE
3-3/8" - HCS - WOOD

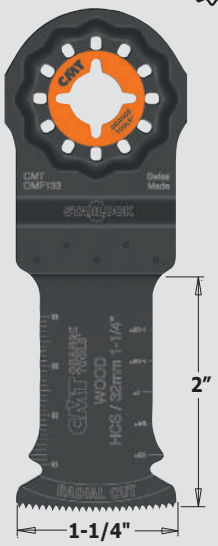


WOOD

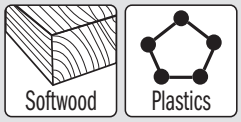
HCS

ORDER NO. STARLOCK®	PACK Quantity	W inches	I inches	TS mm	TPI Teeth Per Inch	
OMF113-X1	1 in clamshell	3-3/8	13/16	1.4	18	20

OMF133 STARLOCK



RADIAL BLADE
1-1/4" - HCS - WOOD



WOOD

HCS | Accurate

RADIAL SHAPE FOR ACCURATE CUTS

ORDER NO. STARLOCK®	PACK Quantity	W inches	I inches	TS mm	TPI Teeth Per Inch	
OMF133-X5	5 in clamshell	1-1/4	2	1.4	18	15
OMF133-X50	50 bulk masterpack	1-1/4	2	1.4	18	6

® Brand names mentioned in CMT products are the property of their respective owners (see page 376)

OMF126 STARLOCK



RADIAL BLADE - CLEAN CUT
1-1/4" - HCS - WOOD



WOOD

HCS

JAPAN TOOTHING

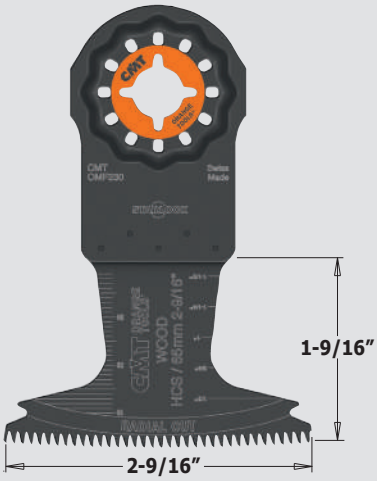
CLEAN CUT

Accurate

RADIAL SHAPE FOR ACCURATE CUTS

ORDER NO. STARLOCK®	PACK Quantity	W inches	I inches	TS mm	TPI Teeth Per Inch	
OMF126-X1	1 in clamshell	1-1/4	2	1.4	18	20
OMF126-X5	5 in clamshell	1-1/4	2	1.4	18	15
OMF126-X50	50 bulk masterpack	1-1/4	2	1.4	18	6

OMF230 STARLOCK



RADIAL BLADE - CLEAN CUT
2-9/16" - HCS - WOOD



WOOD

HCS

JAPAN TOOTHING

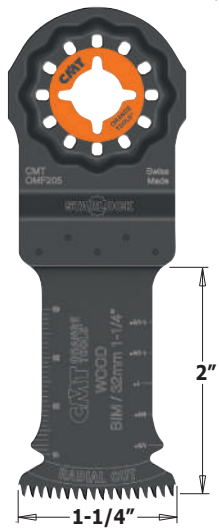
CLEAN CUT

Accurate

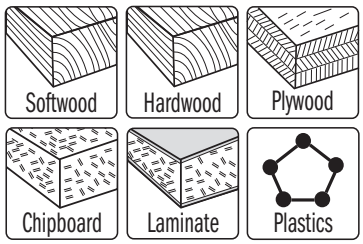
RADIAL SHAPE FOR ACCURATE CUTS

ORDER NO. STARLOCK®	PACK Quantity	W inches	I inches	TS mm	TPI Teeth Per Inch	
OMF230-X1	1 in clamshell	2-9/16	1-9/16	1.8	14	20
OMF230-X5	5 in clamshell	2-9/16	1-9/16	1.8	14	15
OMF230-X50	50 bulk masterpack	2-9/16	1-9/16	1.8	14	6

OMF205 STARLOCK



RADIAL BLADE - CLEAN CUT
1-1/4" - BIM - WOOD



WOOD

BIM 8% Co

LONG LIFE

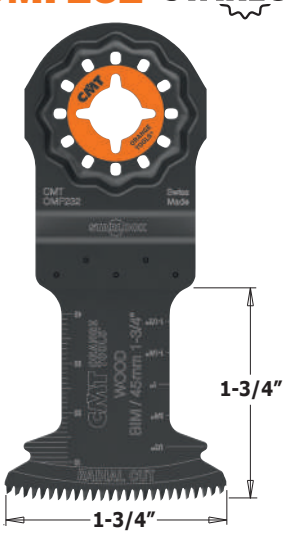
Accurate

RADIAL SHAPE FOR ACCURATE CUTS

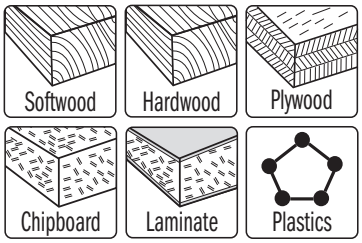
ORDER NO. STARLOCK®	PACK Quantity	W inches	I inches	TS mm	TPI Teeth Per Inch	
OMF205-X1	1 in clamshell	1-1/4	2	1.8	14	20
OMF205-X5	5 in clamshell	1-1/4	2	1.8	14	15
OMF205-X50	50 bulk masterpack	1-1/4	2	1.8	14	6

® Brand names mentioned in CMT products are the property of their respective owners (see page 376)

OMF232 STARLOCK



RADIAL BLADE - CLEAN CUT
1-3/4" - BIM - WOOD



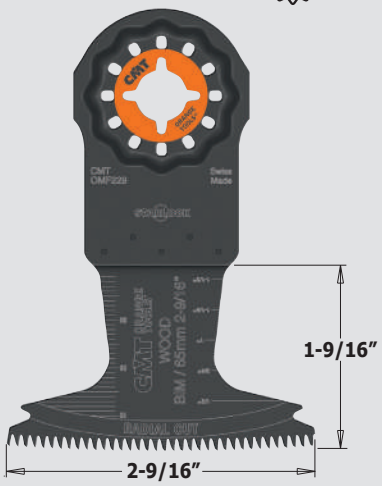
WOOD

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

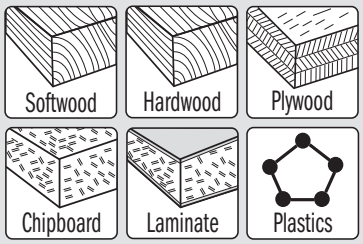
RADIAL SHAPE FOR ACCURATE CUTS

ORDER NO. STARLOCK®	Pack Quantity	W inches	I inches	TS mm	TPI Teeth Per Inch	
OMF232-X1	1 in clamshell	1-3/4	1-3/4	1.8	14	20
OMF232-X5	5 in clamshell	1-3/4	1-3/4	1.8	14	15

OMF229 STARLOCK



RADIAL BLADE - CLEAN CUT
2-9/16" - BIM - WOOD



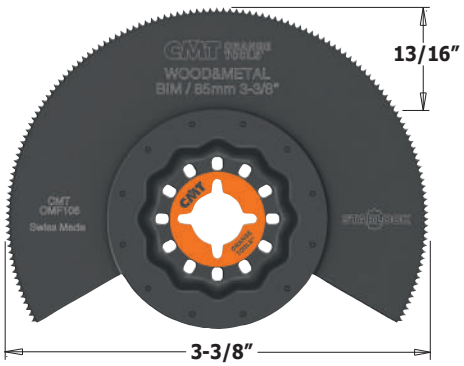
WOOD

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

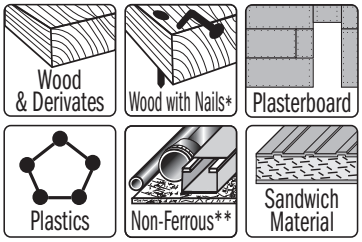
RADIAL SHAPE FOR ACCURATE CUTS

ORDER NO. STARLOCK®	Pack Quantity	W inches	I inches	TS mm	TPI Teeth Per Inch	
OMF229-X1	1 in clamshell	2-9/16	1-9/16	1.8	14	20
OMF229-X5	5 in clamshell	2-9/16	1-9/16	1.8	14	15
OMF229-X50	50 bulk masterpack	2-9/16	1-9/16	1.8	14	6

OMF106 STARLOCK



SEGMENT BLADE
3-3/8" - BIM - WOOD&METAL



*Not Tempered / **Thickness ≤1/32"

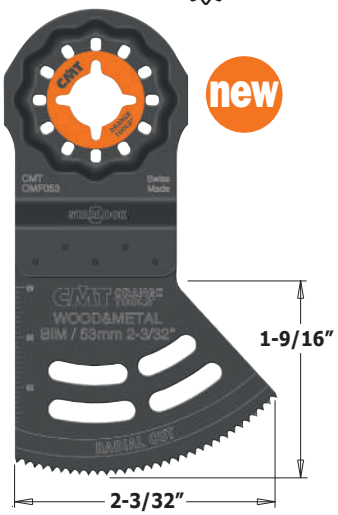
WOOD&METAL

BIM 8% Co | LONG LIFE

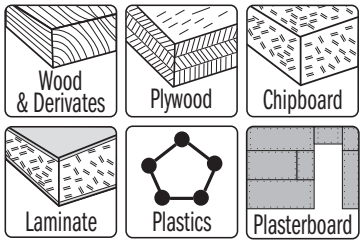
ORDER NO. STARLOCK®	Pack Quantity	W inches	I inches	TS mm	TPI Teeth Per Inch	
OMF106-X1	1 in clamshell	3-3/8	13/16	1.4	18	20

® Brand names mentioned in CMT products are the property of their respective owners (see page 376)

OMF053 STARLOCK



ASYMETRIC RADIAL BLADE
2-3/32 - BIM - WOOD&METAL



WOOD&METAL

BIM 8% Co

LONG LIFE

Accurate

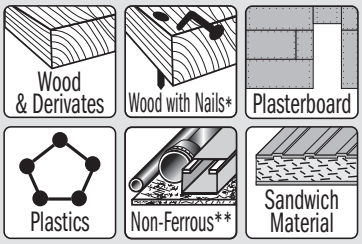
RADIAL SHAPE FOR ACCURATE CUTS

ORDER NO. STARLOCK®	PACK Quantity	W inches	I inches	TS mm	TPI Teeth Per Inch	
OMF053-X1	1 in clamshell	2-3/32	1-9/16	1.8	14	20

OMF184 STARLOCK



STRAIGHT BLADE
3/8" - BIM - WOOD&METAL



*Not Tempered / **Thickness ≤1/32"

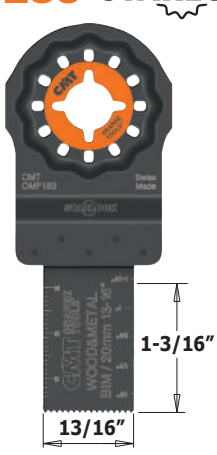
WOOD&METAL

BIM 8% Co

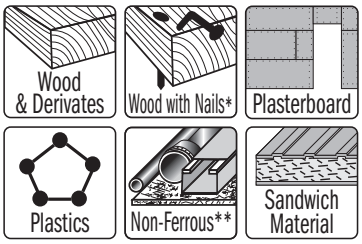
LONG LIFE

ORDER NO. STARLOCK®	PACK Quantity	W inches	I inches	TS mm	TPI Teeth Per Inch	
OMF184-X5	5 in clamshell	3/8	1	1.3	20	15

OMF183 STARLOCK



STRAIGHT BLADE
13/16" - BIM - WOOD&METAL



*Not Tempered / **Thickness ≤1/32"

WOOD&METAL

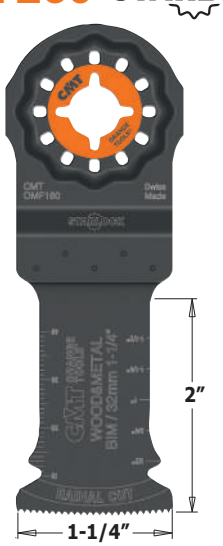
BIM 8% Co

LONG LIFE

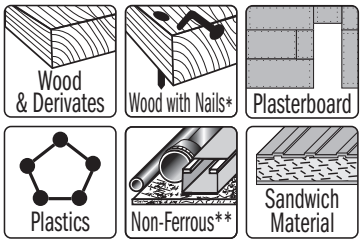
ORDER NO. STARLOCK®	PACK Quantity	W inches	I inches	TS mm	TPI Teeth Per Inch	
OMF183-X1	1 in clamshell	13/16	1-3/16	1.3	20	20
OMF183-X5	5 in clamshell	13/16	1-3/16	1.3	20	15

® Brand names mentioned in CMT products are the property of their respective owners (see page 376)

OMF160 STARLOCK



RADIAL BLADE
1-1/4" - BIM - WOOD&METAL



*Not Tempered / **Thickness ≤1/32"

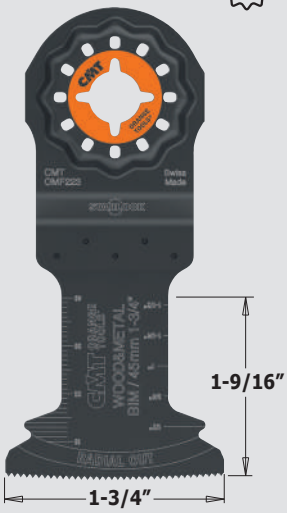
WOOD&METAL

BIM 8% Co LONG LIFE

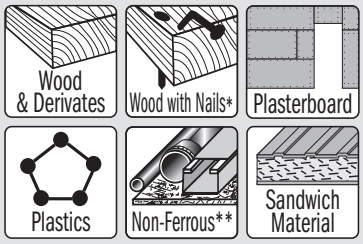
Accurate
RADIAL SHAPE FOR ACCURATE CUTS

ORDER NO. STARLOCK®	Pack Quantity	W inches	I inches	TS mm	TPI Teeth Per Inch	
OMF160-X1	1 in clamshell	1-1/4	2	1.3	20	20
OMF160-X5	5 in clamshell	1-1/4	2	1.3	20	15
OMF160-X50	50 bulk masterpack	1-1/4	2	1.3	20	6

OMF223 STARLOCK



RADIAL BLADE
1-3/4" - BIM - WOOD&METAL



*Not Tempered / **Thickness ≤1/32"

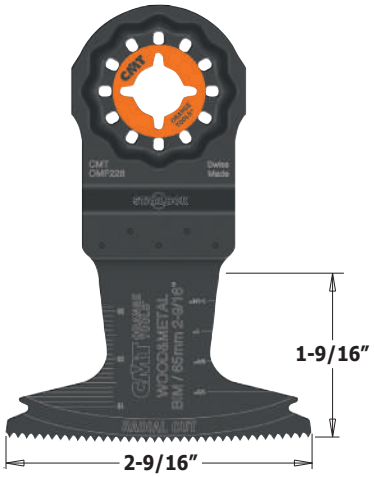
WOOD&METAL

BIM 8% Co LONG LIFE

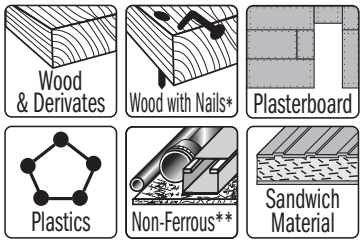
Accurate
RADIAL SHAPE FOR ACCURATE CUTS

ORDER NO. STARLOCK®	Pack Quantity	W inches	I inches	TS mm	TPI Teeth Per Inch	
OMF223-X1	1 in clamshell	1-3/4	1-9/16	1.3	20	20
OMF223-X5	5 in clamshell	1-3/4	1-9/16	1.3	20	15
OMF223-X50	50 bulk masterpack	1-3/4	1-9/16	1.3	20	6

OMF228 STARLOCK



RADIAL BLADE
2-9/16" - BIM - WOOD&METAL



*Not Tempered / **Thickness ≤1/32"

WOOD&METAL

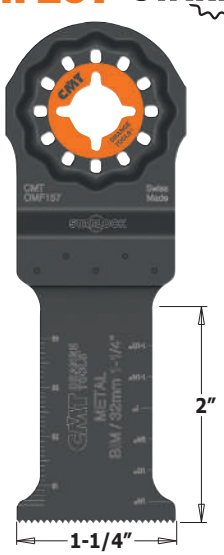
BIM 8% Co LONG LIFE

Accurate
RADIAL SHAPE FOR ACCURATE CUTS

ORDER NO. STARLOCK®	Pack Quantity	W inches	I inches	TS mm	TPI Teeth Per Inch	
OMF228-X5	5 in clamshell	2-9/16	1-9/16	1.3	20	15
OMF228-X50	50 bulk masterpack	2-9/16	1-9/16	1.3	20	6

® Brand names mentioned in CMT products are the property of their respective owners (see page 376)

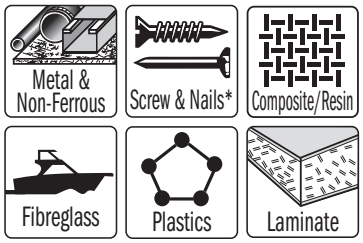
OMF157 STARLOCK



STRAIGHT BLADE
1-1/4" - BIM - METAL

METAL

BIM 8% Co LONG LIFE



*Not Tempered / **Thickness ≤1/32"

ORDER NO. STARLOCK®	Pack Quantity	W inches	I inches	TS mm	TPI Teeth Per Inch	
OMF157-X1	1 in clamshell	1-1/4	2	1.3	20	20
OMF157-X5	5 in clamshell	1-1/4	2	1.3	20	15
OMF157-X50	50 bulk masterpack	1-1/4	2	1.3	20	6

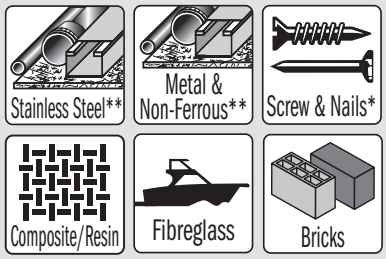
OMF236 STARLOCK



STRAIGHT BLADE
1-1/4" - CARBIDE TIPPED - MULTI-MATERIALS

MULTI-MATERIALS

CARBIDE TIPPED EXTRA LONG LIFE UP TO 20X



*Not Tempered / **Thickness ≤1/32"

ORDER NO. STARLOCK®	Pack Quantity	W inches	I inches	TS mm	TPI Teeth Per Inch	
OMF236-X1	1 in clamshell	1-1/4	1-9/16	1.1	20	20

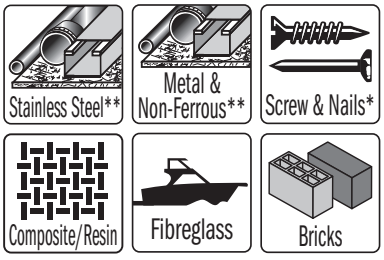
OMF238 STARLOCK



STRAIGHT BLADE
1-3/4" - CARBIDE TIPPED - MULTI-MATERIALS

MULTI-MATERIALS

CARBIDE TIPPED EXTRA LONG LIFE UP TO 20X

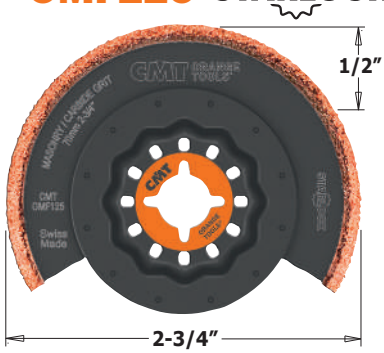


*Not Tempered / **Thickness ≤1/32"

ORDER NO. STARLOCKPLUS®	Pack Quantity	W inches	I inches	TS mm	TPI Teeth Per Inch	
OMF238-X1	1 in clamshell	1-3/4	1-9/16	1.1	20	20

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OMF125 STARLOCK



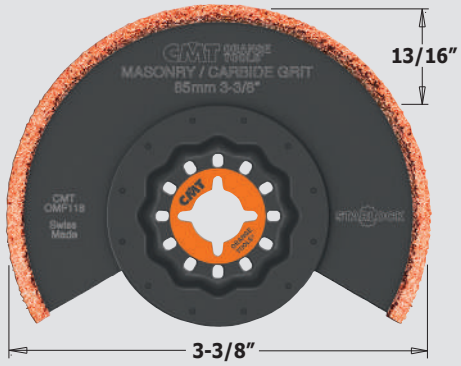
SEGMENT BLADE
2-3/4" - CARBIDE GRIT - MASONRY

Grout/Mortar | Tiles Adhesive | Composite/Resin | Fibrecement | Aerated Concrete | Bricks

MASONRY
CARBIDE GRIT | EXTRA LONG LIFE
≤1.7MM ≤1/16" | GRIT 50

ORDER NO. STARLOCK®	PACK Quantity	W inches	I inches	TS mm	TPI Teeth Per Inch	
OMF125-X1	1 in clamshell	2-3/4	1/2	-	-	20

OMF118 STARLOCK



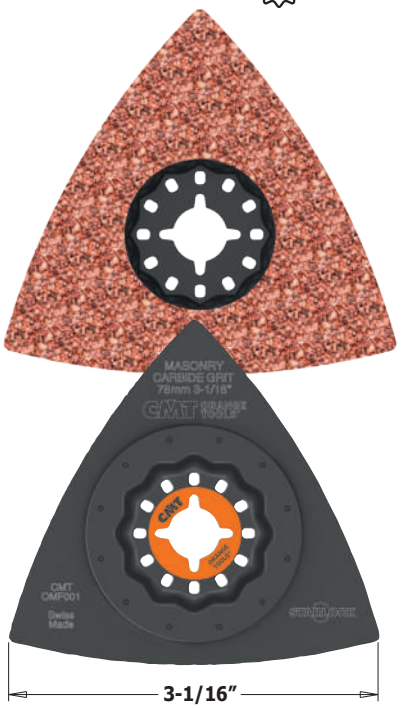
SEGMENT BLADE
3-3/8" - CARBIDE GRIT - MASONRY

Grout/Mortar | Tiles Adhesive | Composite/Resin | Fibrecement | Aerated Concrete | Bricks

MASONRY
CARBIDE GRIT | EXTRA LONG LIFE
≤2.5MM ≤3/32" | GRIT 30

ORDER NO. STARLOCK®	PACK Quantity	W inches	I inches	TS mm	TPI Teeth Per Inch	
OMF118-X1	1 in clamshell	3-3/8	13/16	-	-	20

OMF001 STARLOCK



RASP
3-1/16" - CARBIDE GRIT - MASONRY

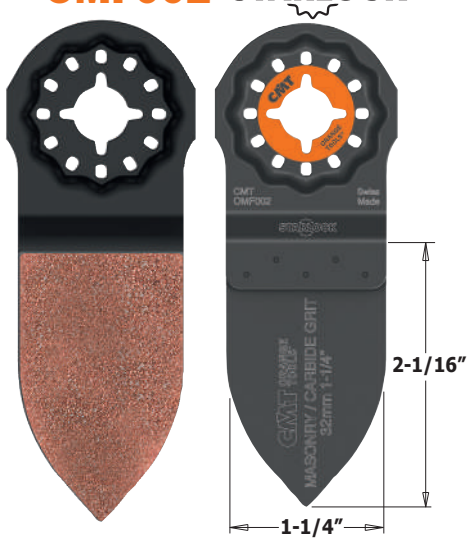
Grout/Mortar | Tiles Adhesive | Composite/Resin | Fibrecement | Aerated Concrete | Bricks

MASONRY
CARBIDE GRIT | EXTRA LONG LIFE
GRIT 20

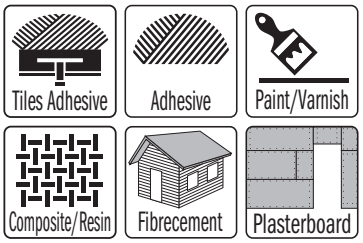
ORDER NO. STARLOCK®	PACK Quantity	W inches	I inches	TS mm	TPI Teeth Per Inch	
OMF001-X1	1 in clamshell	3-1/16	-	-	-	20

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OMF002 STARLOCK



RASP
1-1/4" - CARBIDE GRIT - MASONRY

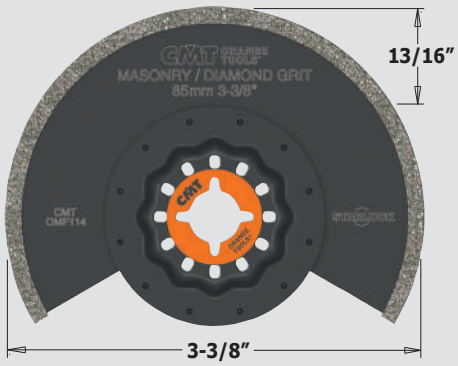


MASONRY

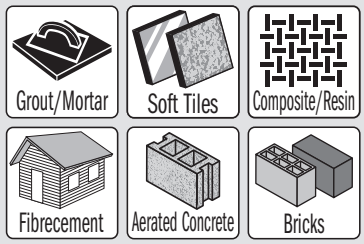


ORDER NO. STARLOCK®	PACK Quantity	W inches	I inches	TS mm	TPI Teeth Per Inch	
OMF002-X1	1 in clamshell	1-1/4	2-1/16	-	-	20

OMF114 STARLOCK



SEGMENT BLADE
3-3/8" - DIAMOND GRIT - MASONRY

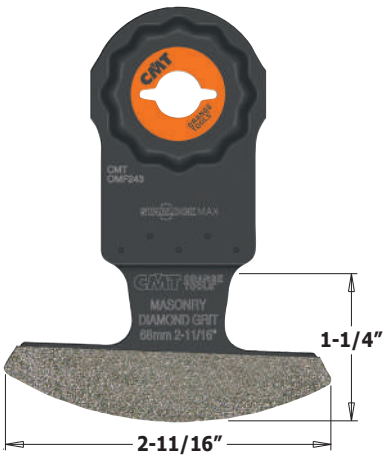


MASONRY

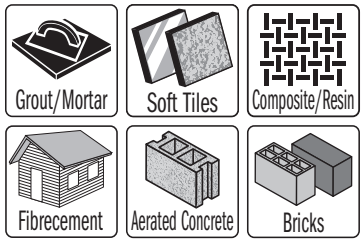


ORDER NO. STARLOCK®	PACK Quantity	W inches	I inches	TS mm	TPI Teeth Per Inch	
OMF114-X1	1 in clamshell	3-3/8	13/16	-	-	20

OMF243 STARLOCK MAX



CORNER SEGMENT BLADE
2-11/16" - DIAMOND GRIT - MASONRY



MASONRY



ORDER NO. STARLOCKMAX®	PACK Quantity	W MSinches	I inches	TS mm	TPI Teeth Per Inch	
OMF243-X1	1 in clamshell	2-11/16	1-1/4	-	-	20

® Brand names mentioned in CMT products are the property of their respective owners (see page 376)

OMF239 STARLOCK



SCRAPER BLADE
1-1/8" - HCS - MULTI-MATERIALS

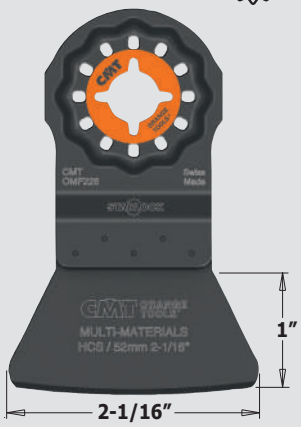
MULTI-MATERIALS





ORDER NO. STARLOCK®	PACK Quantity	W inches	I inches	TS mm	TPI Teeth Per Inch	
OMF239-X1	1 in clamshell	1-1/8	1-9/16	-	-	20

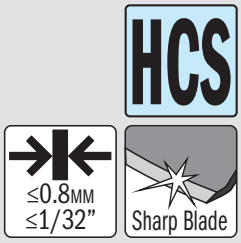
OMF226 STARLOCK



SCRAPER BLADE FOR HARD RESIDUES
2-1/16" - HCS - MULTI-MATERIALS

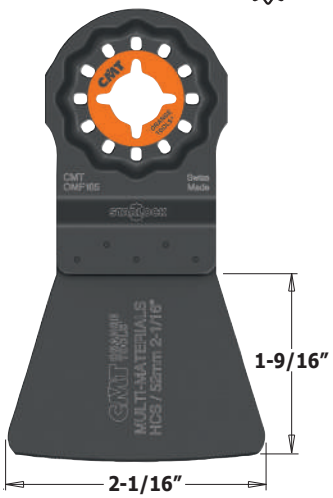
MULTI-MATERIALS





ORDER NO. STARLOCK®	PACK Quantity	W inches	I inches	TS mm	TPI Teeth Per Inch	
OMF226-X1	1 in clamshell	2-1/16	1	-	-	20

OMF165 STARLOCK



SCRAPER BLADE FOR SOFT RESIDUES
2-1/16" - HCS - MULTI-MATERIALS

MULTI-MATERIALS





ORDER NO. STARLOCK®	PACK Quantity	W inches	I inches	TS mm	TPI Teeth Per Inch	
OMF165-X1	1 in clamshell	2-1/16	1-9/16	-	-	20

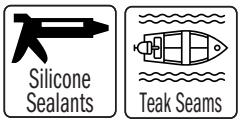
® Brand names mentioned in CMT products are the property of their respective owners (see page 376)

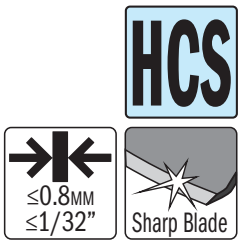
OMF201 STARLOCK



SEALANTS/TEAK SEAMS KNIFE
HCS - MULTI-MATERIALS

MULTI-MATERIALS





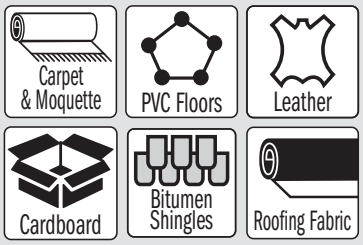
ORDER NO. STARLOCK®	PACK Quantity	W inches	I inches	TS mm	TPI Teeth Per Inch	
OMF201-X1	1 in clamshell	15/64	1-1/8	-	-	20

OMF251 STARLOCK



MULTI-KNIFE FOR SOFT MATERIALS
HCS - MULTI-MATERIALS

MULTI-MATERIALS





ORDER NO. STARLOCK®	PACK Quantity	W inches	TS mm	TPI Teeth Per Inch	
OMF251-X1	1 in clamshell	15/16 & 7/16	-	-	20

OMF-X4 STARLOCK

WOOD | WOOD&METAL



4 PCS. GENERAL PURPOSE SET FOR OSCILLANTING MULTI-TOOLS

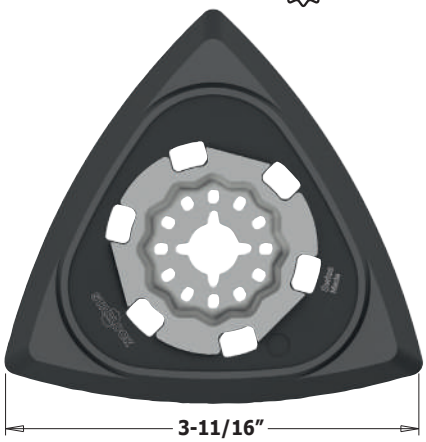
ORDER NO.	PACK Quantity	MATERIAL	W inches	I inches	TS mm	TPI
OMF126-X1	1	HCS	1-1/4	2	1.8	18
OMF160-X1	1	BIM	1-1/4	2	1.4	20
OMF221-X1	1	BIM	2	2	1.4	18
OMF230-X1	1	HCS	2-9/16	1-9/16	1.8	14



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 page 376)

OMF136 STARLOCK



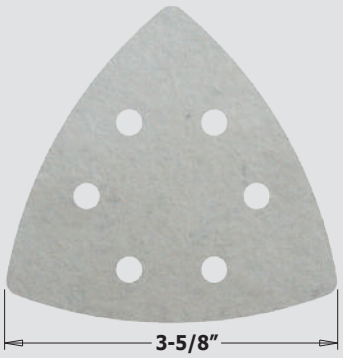
DELTA SANDING PLATE
3-11/16" - VELCRO® - MULTI-MATERIALS

MULTI-MATERIALS

VELCRO®

ORDER NO. STARLOCK®	PACK Quantity	W inches	I inches	TS inches	TPI Teeth Per Inch	
OMF136-X1	1 in clamshell	3-11/16	-	-	-	20

OMA30000



DELTA FLEECE
3-5/8" - VELCRO® - MULTI-MATERIALS

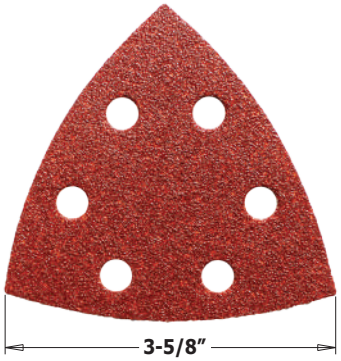
MULTI-MATERIALS

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

VELCRO®

ORDER NO.	PACK Quantity	W inches	
OMA30000-X4	4 in clamshell	3-5/8	10

OMA30



DELTA SANDING SHEETS
3-5/8" - VELCRO® - WOOD

WOOD

Wood & Derivates | Paint/Varnish

VELCRO®

ORDER NO.	PACK Quantity	W inches	GRIT	
OMA30040-X10	10 in clamshell	3-5/8	40	10
OMA30060-X10	10 in clamshell	3-5/8	60	10
OMA30080-X10	10 in clamshell	3-5/8	80	10
OMA30100-X10	10 in clamshell	3-5/8	100	10
OMA30120-X10	10 in clamshell	3-5/8	120	10
OMA30180-X10	10 in clamshell	3-5/8	180	10
OMA30240-X10	10 in clamshell	3-5/8	240	10

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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

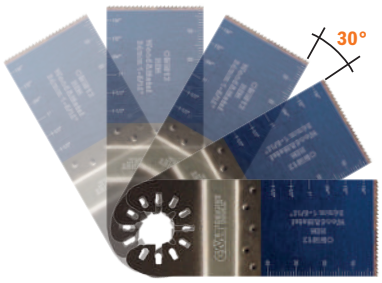
Milwaukee · BLACK&DECKER · SKIL BOSCH (OIS System) · CRAFTSMAN





DREMEL

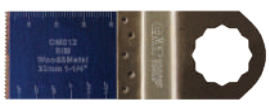
Rockwell WORX · RIDGID · Multi Master (Before 03/2016) · Einhell Mastercraft



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

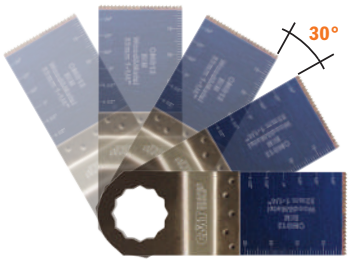
ARBOR FOR FEIN® SUPERCUT AND FESTOOL® VECTURO®





FESTOOL VECTURO

SuperCut (Before 03/2016)



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®.

ORDER NO.	PACK Quantity	
OMA31-X2	2 in clamshell	10

® Brand names mentioned in CMT products are the property of their respective owners (see page 376)

OMM01 OMS01

Universal Arbor

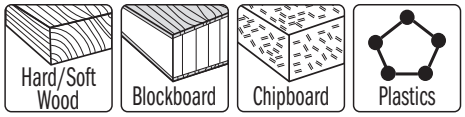


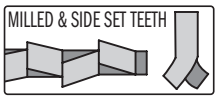
Arbor for FEIN® SuperCut FESTOOL® VECTURO®



PLUNGE & FLUSH-CUT BLADE
3/8" - HCS - WOOD

WOOD





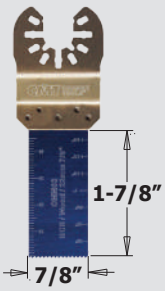
HCS



ORDER NO. Universal Arbor	ORDER NO. Arbor for FEIN® Supercut	Pack Quantity	W inches	I inches	TPI	
OMM01-X1	OMS01-X1	1 in clamshell	3/8	1-1/8	18	10

OMM02 OMS02

Universal Arbor

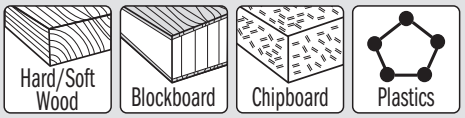


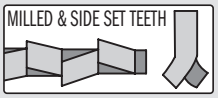
Arbor for FEIN® SuperCut FESTOOL® VECTURO®



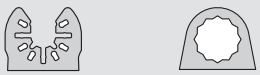
PLUNGE & FLUSH-CUT BLADE
7/8" - HCS - WOOD

WOOD





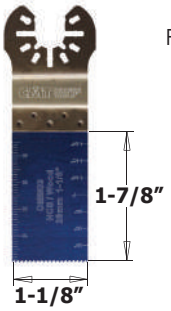
HCS



ORDER NO. Universal Arbor	ORDER NO. Arbor for FEIN® Supercut	Pack Quantity	W inches	I inches	TPI	
OMM02-X1	OMS02-X1	1 in clamshell	7/8	1-7/8	18	10
OMM02-X5	OMS02-X5	5 in clamshell	7/8	1-7/8	18	5

OMM03 OMS03

Universal Arbor

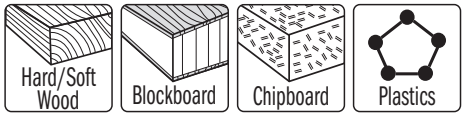


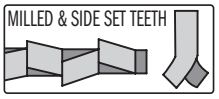
Arbor for FEIN® SuperCut FESTOOL® VECTURO®



PLUNGE & FLUSH-CUT BLADE
1-1/8" - HCS - WOOD

WOOD





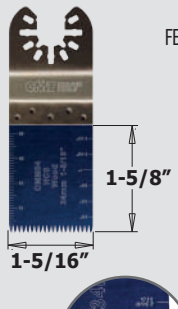
HCS



ORDER NO. Universal Arbor	ORDER NO. Arbor for FEIN® Supercut	Pack Quantity	W inches	I inches	TPI	
OMM03-X1	OMS03-X1	1 in clamshell	1-1/8	1-7/8	18	10
OMM03-X50		50 bulk masterpack	1-1/8	1-7/8	18	2

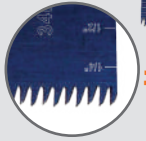
OMM04 OMS04

Universal Arbor



Arbor for FEIN® SuperCut FESTOOL® VECTURO®

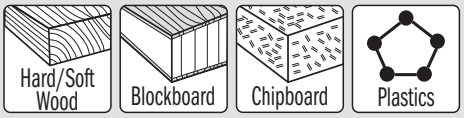




JAPANESE TOOTHING

PRECISION CUT BLADE - JAPANESE TOOTHING
1-5/16" - HCS - WOOD

WOOD





HCS FAST CUT



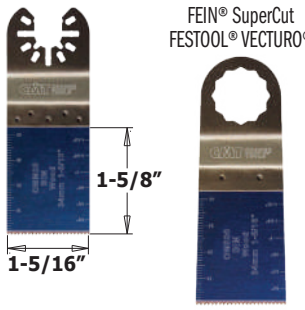
ORDER NO. Universal Arbor	ORDER NO. Arbor for FEIN® Supercut	Pack Quantity	W inches	I inches	TPI	
OMM04-X1	OMS04-X1	1 in clamshell	1-5/16	1-5/8	14	10
OMM04-X5		5 in clamshell	1-5/16	1-5/8	14	5
OMM04-X50		50 bulk masterpack	1-5/16	1-5/8	14	2

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OMM05 OMS05

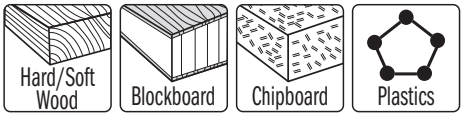
Universal Arbor

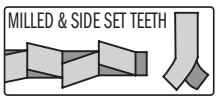
Arbor for FEIN® SuperCut FESTOOL® VECTURO®



PLUNGE & FLUSH-CUT BLADE
1-5/16" - BIM8%Co - WOOD

WOOD



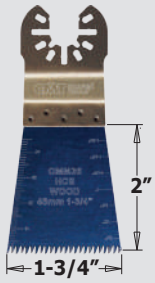


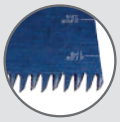
BIM 8% Co · EXTRA LONG LIFE

ORDER NO. Universal Arbor	ORDER NO. Arbor for FEIN® Supercut	Pack Quantity	W inches	I inches	TPI	
OMM05-X1	OMS05-X1	1 in clamshell	1-5/16	1-5/8	18	10
OMM05-X5	OMS05-X5	5 in clamshell	1-5/16	1-5/8	18	5
OMM05-X50		50 bulk masterpack	1-5/16	1-5/8	18	2

OMM36

Universal Arbor

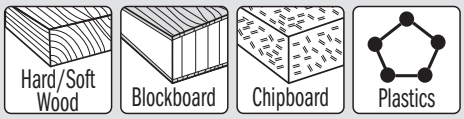


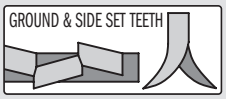


JAPANESE TOOTHING

PRECISION CUT BLADE - JAPANESE TOOTHING
1-3/4" - HCS - WOOD

WOOD





HCS · FAST CUT

ORDER NO. Universal Arbor	Pack Quantity	W inches	I inches	TPI	
OMM36-X5	5 in clamshell	1-3/4	2	14	5
OMM36-X50	50 bulk masterpack	1-3/4	2	14	2

OMM06 OMS06

Universal Arbor

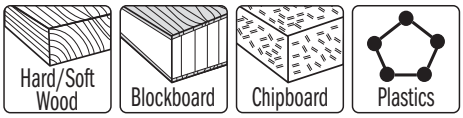
Arbor for FEIN® SuperCut FESTOOL® VECTURO®

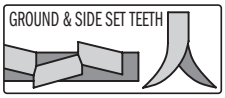


JAPANESE TOOTHING

PRECISION CUT BLADE - JAPANESE TOOTHING
2-11/16" - HCS - WOOD

WOOD





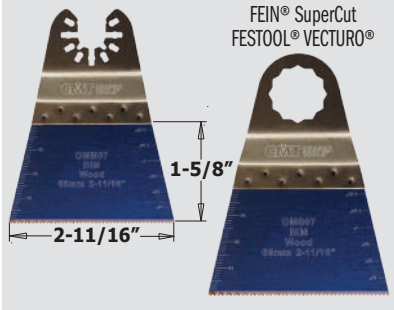
HCS · FAST CUT

ORDER NO. Universal Arbor	ORDER NO. Arbor for FEIN® Supercut	Pack Quantity	W inches	I inches	TPI	
OMM06-X1	OMS06-X1	1 in clamshell	2-11/16	1-5/8	14	10
OMM06-X5		5 in clamshell	2-11/16	1-5/8	14	5
OMM06-X50		50 bulk masterpack	2-11/16	1-5/8	14	2

OMM07 OMS07

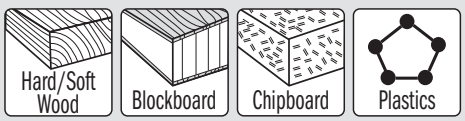
Universal Arbor

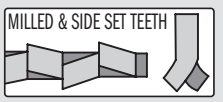
Arbor for FEIN® SuperCut FESTOOL® VECTURO®



PRECISION CUT BLADE - JAPANESE TOOTHING
2-11/16" - BIM8%Co - WOOD

WOOD





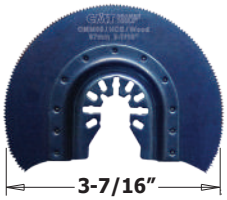
BIM 8% Co · LONG LIFE

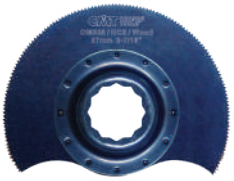
ORDER NO. Universal Arbor	ORDER NO. Arbor for FEIN® Supercut	Pack Quantity	W inches	I inches	TPI	
OMM07-X1	OMS07-X1	1 in clamshell	2-11/16	1-5/8	18	10
OMM07-X5		5 in clamshell	2-11/16	1-5/8	18	5
OMM07-X50		50 bulk masterpack	2-11/16	1-5/8	18	2

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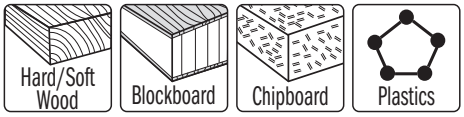
OMM08 / OMS08

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





RADIAL BLADE - SEGMENTED
3-7/16" - HCS - WOOD



WOOD

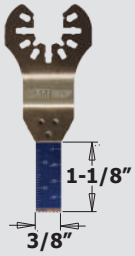


HCS

ORDER NO. Universal Arbor	ORDER NO. Arbor for FEIN® Supercut	Pack Quantity	W inches	TPI	
OMM08-X1	OMS08-X1	1 in clamshell	3-7/16	18	10

OMM09 / OMS09

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

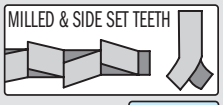




PLUNGE & FLUSH-CUT BLADE
3/8" - BIM8%Co - WOOD&METAL



WOOD&METAL

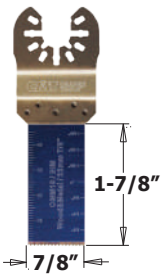


BIM 8% Co

ORDER NO. Universal Arbor	ORDER NO. Arbor for FEIN® Supercut	Pack Quantity	W inches	I inches	TPI	
OMM09-X1	OMS09-X1	1 in clamshell	3/8	1-1/8	18	10
OMM09-X5	OMS09-X5	5 in clamshell	3/8	1-1/8	18	5
OMM09-X50		50 bulk masterpack	3/8	1-1/8	18	2

OMM10 / OMS10

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

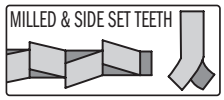




PLUNGE & FLUSH-CUT BLADE
7/8" - BIM8%Co - WOOD&METAL



WOOD&METAL

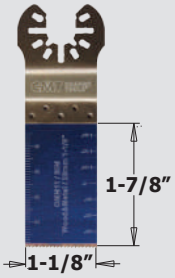


BIM 8% Co

ORDER NO. Universal Arbor	ORDER NO. Arbor for FEIN® Supercut	Pack Quantity	W inches	I inches	TPI	
OMM10-X1		1 in clamshell	7/8	1-7/8	18	10
OMM10-X5	OMS10-X5	5 in clamshell	7/8	1-7/8	18	5

OMM11 / OMS11

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

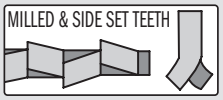




PLUNGE & FLUSH-CUT BLADE
1-1/8" - BIM8%Co - WOOD&METAL



WOOD&METAL



BIM 8% Co

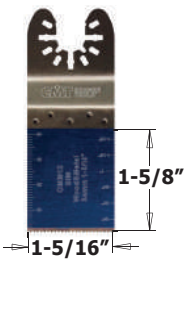
ORDER NO. Universal Arbor	ORDER NO. Arbor for FEIN® Supercut	Pack Quantity	W inches	I inches	TPI	
OMM11-X1	OMS11-X1	1 in clamshell	1-1/8	1-7/8	18	10
OMM11-X5	OMS11-X5	5 in clamshell	1-1/8	1-7/8	18	5
OMM11-X50		50 bulk masterpack	1-1/8	1-7/8	18	2

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OMM12 OMS12

Universal Arbor

Arbor for FEIN® SuperCut FESTOOL® VECTURO®

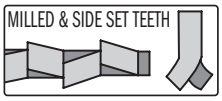


PLUNGE & FLUSH-CUT BLADE

1-5/16" - BIM8%Co - WOOD&METAL



WOOD&METAL



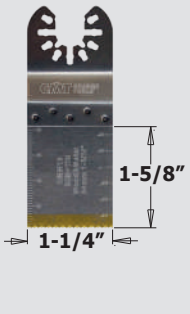
BIM 8% Co

ORDER NO. Universal Arbor	ORDER NO. Arbor for FEIN® Supercut	Pack Quantity	W inches	I inches	TPI	
OMM12-X1	OMS12-X1	1 in clamshell	1-5/16	1-5/8	18	10
OMM12-X5	OMS12-X5	5 in clamshell	1-5/16	1-5/8	18	5
OMM12-X50		50 bulk masterpack	1-5/16	1-5/8	18	2

OMM13 OMS13

Universal Arbor

Arbor for FEIN® SuperCut FESTOOL® VECTURO®

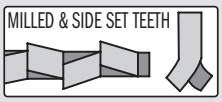


PLUNGE & FLUSH-CUT BLADE

1-5/16" - BIMTiN - WOOD&METAL



WOOD&METAL



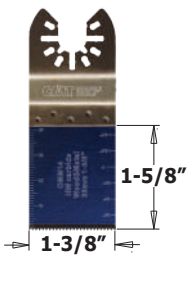
BIM TiN EXTRA LONG LIFE 130% LONGER LIFE

ORDER NO. Universal Arbor	ORDER NO. Arbor for FEIN® Supercut	Pack Quantity	W inches	I inches	TPI	
OMM13-X1	OMS13-X1	1 in clamshell	1-5/16	1-5/8	18	10
OMM13-X5		5 in clamshell	1-5/16	1-5/8	18	5
OMM13-X50		50 bulk masterpack	1-5/16	1-5/8	18	2

OMM14 OMS14

Universal Arbor

Arbor for FEIN® SuperCut FESTOOL® VECTURO®



PLUNGE & FLUSH-CUT BLADE

1-3/8" - CARBIDE TIPPED - WOOD&METAL



WOOD&METAL

CARBIDE TIPPED EXTRA LONG LIFE 2X LONGER LIFE

ORDER NO. Universal Arbor	ORDER NO. Arbor for FEIN® Supercut	Pack Quantity	W inches	I inches	TPI	
OMM14-X1	OMS14-X1	1 in clamshell	1-3/8	1-5/8	20	10

OMM35 OMS35

Universal Arbor

Arbor for FEIN® SuperCut FESTOOL® VECTURO®

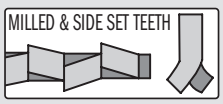


PLUNGE & FLUSH-CUT BLADE

1-5/8" - BIM8%Co - WOOD&METAL



WOOD&METAL



BIM 8% Co

ORDER NO. Universal Arbor	ORDER NO. Arbor for FEIN® Supercut	Pack Quantity	W inches	I inches	TPI	
OMM35-X5	OMS35-X5	5 in clamshell	1-5/8	2-11/16	18	5
OMM35-X50		50 bulk masterpack	1-5/8	2-11/16	18	2

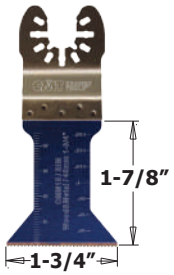
® Brand names mentioned in CMT products are the property of their respective owners (see page 376)

OMM15 OMS15

PLUNGE & FLUSH-CUT BLADE
1-3/4" - BIM8%Co - WOOD&METAL

WOOD&METAL

Universal Arbor



Arbor for FEIN® SuperCut FESTOOL® VECTURO®



Hard/Soft Wood · Plastics · ALU Aluminium · Sheet Metal · Non-Ferrous Metals

MILLED & SIDE SET TEETH

BIM 8% Co

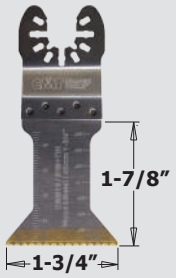
ORDER NO. Universal Arbor	ORDER NO. Arbor for FEIN® Supercut	Pack Quantity	W inches	I inches	TPI	
OMM15-X1	OMS15-X1	1 in clamshell	1-3/4	1-7/8	18	10
OMM15-X5		5 in clamshell	1-3/4	1-7/8	18	5
OMM15-X50		50 bulk masterpack	1-3/4	1-7/8	18	2

OMM16 OMS16

PLUNGE & FLUSH-CUT BLADE
1-3/4" - BIMTiN - WOOD&METAL

WOOD&METAL

Universal Arbor



Arbor for FEIN® SuperCut FESTOOL® VECTURO®



Hard/Soft Wood · Plastics · ALU Aluminium · Sheet Metal · Non-Ferrous Metals

MILLED & SIDE SET TEETH

BIM TiN · EXTRA LONG LIFE · 130% LONGER LIFE

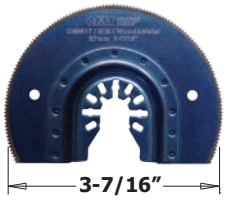
ORDER NO. Universal Arbor	ORDER NO. Arbor for FEIN® Supercut	Pack Quantity	W inches	I inches	TPI	
OMM16-X1	OMS16-X1	1 in clamshell	1-3/4	1-7/8	18	10
OMM16-X5		5 in clamshell	1-3/4	1-7/8	18	5
OMM16-X50		50 bulk masterpack	1-3/4	1-7/8	18	2

OMM17 OMS17

RADIAL BLADE - SEGMENTED
3-7/16" - BIM8%Co - WOOD&METAL

WOOD&METAL

Universal Arbor



Arbor for FEIN® SuperCut FESTOOL® VECTURO®



Hard/Soft Wood · Plastics · ALU Aluminium · Sheet Metal · Non-Ferrous Metals

BIM 8% Co · LONG LIFE

ORDER NO. Universal Arbor	ORDER NO. Arbor for FEIN® Supercut	Pack Quantity	W inches	TPI	
OMM17-X1	OMS17-X1	1 in clamshell	3-7/16	20	10

OMM18 OMS18

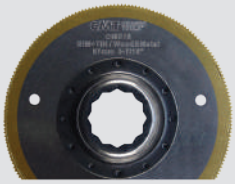
RADIAL BLADE - SEGMENTED
3-7/16" - BIMTiN - WOOD&METAL

WOOD&METAL

Universal Arbor



Arbor for FEIN® SuperCut FESTOOL® VECTURO®



Hard/Soft Wood · Plastics · ALU Aluminium · Sheet Metal · Cu Zn Non-Ferrous Metals

BIM TiN · EXTRA LONG LIFE · 130% LONGER LIFE

ORDER NO. Universal Arbor	ORDER NO. Arbor for FEIN® Supercut	Pack Quantity	W inches	TPI	
OMM18-X1	OMS18-X1	1 in clamshell	3-7/16	20	10

® Brand names mentioned in CMT products are the property of their respective owners (see page 376)

OMM19 OMS19

Universal Arbor

Arbor for FEIN® SuperCut FESTOOL® VECTURO®

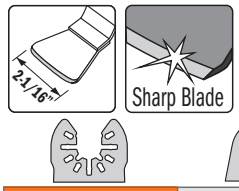


RIGID SCRAPER BLADE

2-1/16" - HCS - MULTI-MATERIALS

MULTI-MATERIALS

HCS

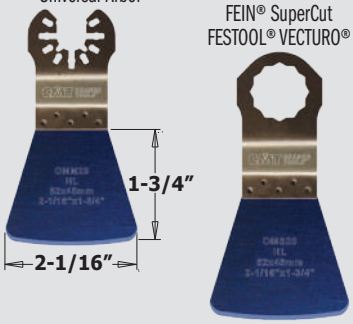


ORDER NO. Universal Arbor	ORDER NO. Arbor for FEIN® Supercut	Pack Quantity	W inches	I inches	
OMM19-X1	OMS19-X1	1 in clamshell	2-1/16	1	10
OMM19-X5	OMS19-X5	5 in clamshell	2-1/16	1	5

OMM20 OMS20

Universal Arbor

Arbor for FEIN® SuperCut FESTOOL® VECTURO®

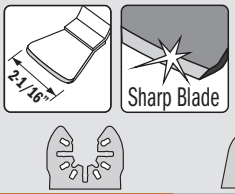


FLEXIBLE SCRAPER

2-1/16" - HCS - MULTI-MATERIALS

MULTI-MATERIALS

HCS

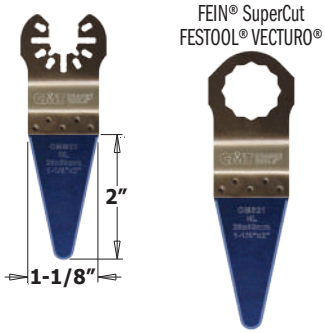


ORDER NO. Universal Arbor	ORDER NO. Arbor for FEIN® Supercut	Pack Quantity	W inches	I inches	
OMM20-X1	OMS20-X1	1 in clamshell	2-1/16	1-3/4	10
OMM20-X5	OMS20-X5	5 in clamshell	2-1/16	1-3/4	5

OMM21 OMS21

Universal Arbor

Arbor for FEIN® SuperCut FESTOOL® VECTURO®

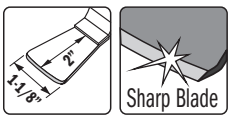


SHARP CORNER SCRAPER

1-1/8" - HCS - MULTI-MATERIALS

MULTI-MATERIALS

HCS



ORDER NO. Universal Arbor	ORDER NO. Arbor for FEIN® Supercut	Pack Quantity	W inches	I inches	
OMM21-X1	OMS21-X1	1 in clamshell	1-1/8	2	10
OMM21-X5	OMS21-X5	5 in clamshell	1-1/8	2	5
OMM21-X50		50 bulk masterpack	1-1/8	2	2

OMM22 OMS22

Universal Arbor

Arbor for FEIN® SuperCut FESTOOL® VECTURO®

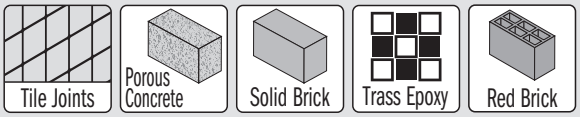


RADIAL BLADE - SEGMENTED

3-7/16" - CARBIDE GRIT - MASONRY

MASONRY

CARBIDE GRIT



ORDER NO. Universal Arbor	ORDER NO. Arbor for FEIN® Supercut	Pack Quantity	W inches	K inches	
OMM22-X1	OMS22-X1	1 in clamshell	3-7/16	5/64	10

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OMM23 / OMS23

OMM23 Universal Arbor



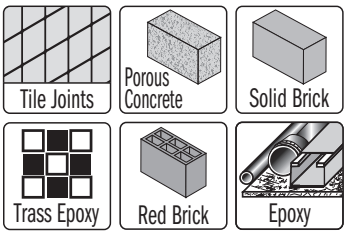
OMS23 Arbor for FEIN® SuperCut FESTOOL® VECTURO®



RADIAL BLADE - SEGMENTED
3-7/16" - DIAMOND GRIT - MASONRY

MASONRY

GRIT EXTRA LONG LIFE





ORDER NO. Universal Arbor	ORDER NO. Arbor for FEIN® Supercut	Pack Quantity	W inches	K inches	
OMM23-X1	OMS23-X1	1 in clamshell	3-7/16	1/16	10
	OMS23-X25	25 in masterpack	3-7/16	1/16	2

OMM24 / OMS24

OMM24 Universal Arbor



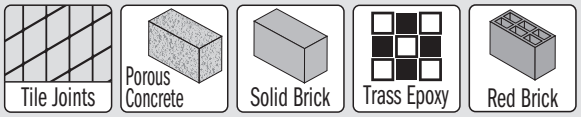
OMS24 Arbor for FEIN® SuperCut FESTOOL® VECTURO®



RADIAL BLADE - SEGMENTED
2-9/16" - CARBIDE GRIT - MASONRY

MASONRY

CARBIDE GRIT





ORDER NO. Universal Arbor	ORDER NO. Arbor for FEIN® Supercut	Pack Quantity	W inches	K inches	
OMM24-X1	OMS24-X1	1 in clamshell	2-9/16	1/16	10

OMM27 / OMS27

OMM27 Universal Arbor



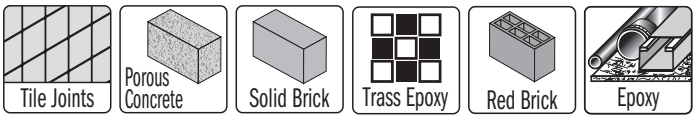
OMS27 Arbor for FEIN® SuperCut FESTOOL® VECTURO®



RADIAL BLADE - SEGMENTED
2-9/16" - DIAMOND GRIT - MASONRY

MASONRY

GRIT EXTRA LONG LIFE

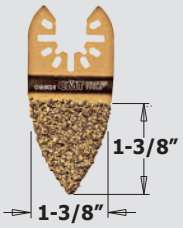




ORDER NO. Universal Arbor	ORDER NO. Arbor for FEIN® Supercut	Pack Quantity	W inches	K inches	
OMM27-X1	OMS27-X1	1 in clamshell	2-9/16	5/64	10

OMM26

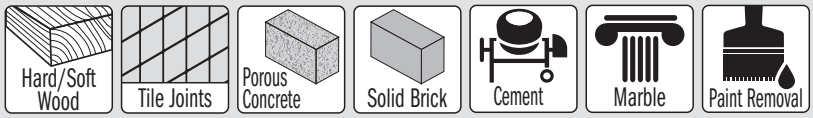
OMM26 Universal Arbor



FINGERTIP RASP - DOUBLE-SIDED
1-3/8" - CARBIDE GRIT - MASONRY

MASONRY

CARBIDE GRIT





ORDER NO. Universal Arbor	Pack Quantity	W inches	I inches	
OMM26-X1	1 in clamshell	1-3/8	1-3/8	10

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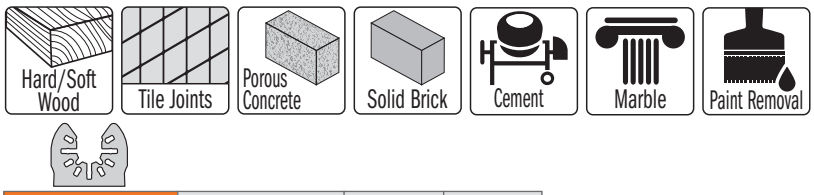
OMM25
Universal Arbor



DELTA RASP
3-1/8" - CARBIDE GRIT - MASONRY

MASONRY

CARBIDE GRIT



ORDER NO. Universal Arbor	PACK Quantity	W inches	
OMM25-X1	1 in clamshell	3-1/8	10

OMM28
Universal Arbor

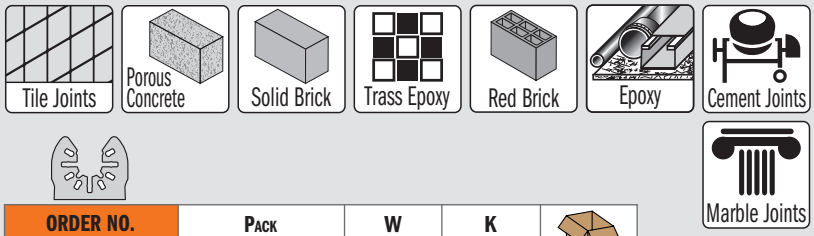


SEGMENT
2-1/4" - DIAMOND GRIT - MASONRY

MASONRY

GRIT

EXTRA LONG LIFE



ORDER NO. Universal Arbor	PACK Quantity	W inches	K inches	
OMM28-X1	1 in clamshell	2-1/4	5/64	10
OMM28-X25	25 in masterpack	2-1/4	5/64	4

OMM29
Universal Arbor



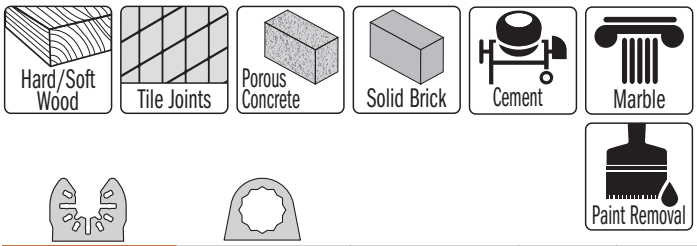
OMS29
Arbor for FEIN® SuperCut FESTOOL® VECTURO®



GROUT AND MORTAR REMOVER
2-9/16" - CARBIDE GRIT - MASONRY

MASONRY

CARBIDE GRIT



ORDER NO. Universal Arbor	ORDER NO. Arbor for FEIN® Supercut	PACK Quantity	W inches	
OMM29-X1	OMS29-X1	1 in clamshell	2-9/16	10

OMM30
Universal Arbor



DELTA SANDING PLATE - PERFORATED
3-5/8" - MULTI-MATERIALS

MULTI-MATERIALS

VELCRO®



ORDER NO. Universal Arbor	PACK Quantity	W inches	
OMM30-X1	1 in clamshell	3-5/8	10

SEE PAGE 134

DELTA POLISHING FLEECE PERFORATED
3-5/8"



OMA30000



OMA30

ALUMINIUM-OXIDE DELTA SANDPAPER - PERFORATED
3-5/8" - WOOD

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WOOD

WOOD&NAILS

OMM-X4





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

OMM-X16





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

OMM-X4		OMM-X16						
ORDER NO. UNIVERSAL ARBOR	PACK Quantity	ORDER NO. UNIVERSAL ARBOR	PACK Quantity	MATERIAL	W inches	I inches	TPI	
OMM04-X1	1	OMM04-X1	4	HCS	1-3/8	1-5/8	14	2 blades with Japanese Toothing for cutting wood, chipboard, plasterboard and plastics.
OMM06-X1	1	OMM06-X1	4	HCS	2-11/16	1-5/8	14	
OMM12-X1	1	OMM12-X1	4	BIM	1-1/4	1-5/8	18	2 blades in BIM for cutting wood products, chipboard, plasterboard, fiberglass, epoxy resins, soft plastics, sheet metal, aluminum pipes and profiles. Cuts through embedded nails in wood up to 5mm in diameter as well as porous concrete.
OMM15-X1	1	OMM15-X1	4	BIM	1-3/4	1-7/8	18	

OMM-X33



- 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).

ORDER NO. UNIVERSAL ARBOR	PACK Quantity	W inches	I inches	TPI	GRIT
OMM12-X1	1	1-1/4	1-5/8	18	
OMM20-X1	1	2-1/16	1-3/4		
OMM30-X1	1	3-5/8			
OMA30060-X10	10	3-5/8			60
OMA30100-X10	10	3-5/8			100
OMA30180-X10	10	3-5/8			180

6 Sets Masterpack

WHAT'S THE SECRET TO FLAWLESS EDGE PROFILES WITH NO REWORK?

WOOD® Magazine Best Overall 1994 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.

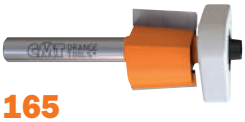
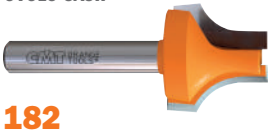
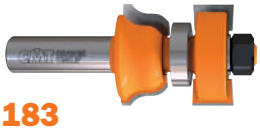
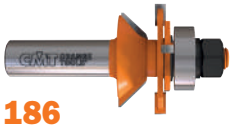
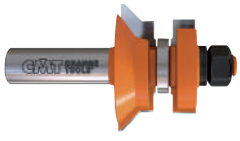
Deluxe packaging

CMT XTREME BALANCING®

HIGH QUALITY STEEL

SUPERIOR HIGH-STRENGTH STEEL
We use high-quality, solid bar stock sourced from Switzerland, which provides exceptional resistance to fatigue and abrasion.

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UP & DOWN CUT SPIRAL  151	T2 UPCUT SPIRAL  152	T2 DOWNCUT SPIRAL  152	SPIRAL/STRAIGHT SETS  153
STRAIGHT  154-155	MORTISING & PLANER  156-157	PATTERN  158	PATTERN WITH INSERT KNIVES  159
WEATHERSEAL  160	SOLID CARBIDE COMBINATION TRIMMER  160	COMBINATION TRIMMER  161	COMBINATION TRIMMER WITH BEARING  162
DP - FLUSH TRIM  162	FLUSH TRIM  163-164	SPIRAL FLUSH TRIM  165	FLUSH TRIM FOR LAMINATE  165
FLUSH TRIM WITH INSERT KNIVES  166	PATTERN/FLUSH TRIM WITH INSERT KNIVES  167	PATTERN/FLUSH TRIM  167	PANEL PILOT  168
RABBETING  169~171	RABBETING WITH INSERT KNIVES  169, 171	KEYHOLE  172	T-SLOT  172
SCREW SLOT  173	FLOORING  173	SLOT CUTTERS & SETS  174~176	FINGER JOINT  177
FLUTE & BEAD SET  178	LOCK MITER  179	GLUE JOINT  180	DRAWER LOCK  181
OVOLO SASH  182	WINDOW SASH  183		DOVETAIL  184-185
V-TONGUE & GROOVE   186		EDGE BANDING  186	
60° LETTERING 187	BOWL & TRAY 187	V-GROOVING & LASER POINT 188-189	V-GROOVING WITH INSERT KNIVES 190
CHAMFER WITH INSERT KNIVES 190	CHAMFER 191	ROUND NOSE 192	BALL END & BALL NOSE SPIRAL BIT 193

COVE
194

CAVETTO EDGE MOULD/OVOLO
195

ROUNDOVER & BEADING
196-197

ROUNDOVER WITH INSERT KNIVES
198

CLASSICAL & DECORATIVE BEAD
198-199

OGEE & PROFILES
200~202

ADJUSTABLE ROUNDOVER/BEVEL
203

WAINSCOT/PANELING
204

BEAD & BULL NOSE
205

CORNER BEADING
205

EDGE-FLUTING
206

MOULDING SYSTEM
206

MOULDING & MULTIPROFILE
207~209

FINGER PULL DOOR LIP
208, 210

TABLE EDGE & HAND RAIL
211

VERTICAL RAISED PANEL
211

RAIL & STILE SET
212~214

RAISED PANEL
215-216

STILE & PANEL
217

STRIPLOX® CUTTER
218

SOLID SURFACE - COUNTER-TOP TRIM
218

SOLID SURFACE - DECORATIVE
219

SOLID SURFACE - ROUNDOVER
219-220

SOLID SURFACE - BEVEL & SLOT
221-222

SOLID SURFACE - CUT & PLUG REPAIR SET
223

SOLID SURFACE - NO-DRIP
223

SOLID SURFACE - WAVY JOINT
223

SOLID SURFACE - DRAINBOARD & INLAY
224

SOLID SURFACE - SINK & TRIM
225

ROUTER BIT SETS
226~246

MORTISING & STRAIGHT
248

PATTERN
248

FLUSH TRIM & LAMINATE
249

PANEL PILOT
249

RABBETING
250

KEYHOLE
250

DOVETAIL
250

CHAMFER
251

V-GROOVE
251

ROUND NOSE
251

COVE & FILLET
252

ROUNDOVER & BEADING
252

BULL NOSE & CONVEX EDGE
253

OVOLO & CORNER BEAD
253-254

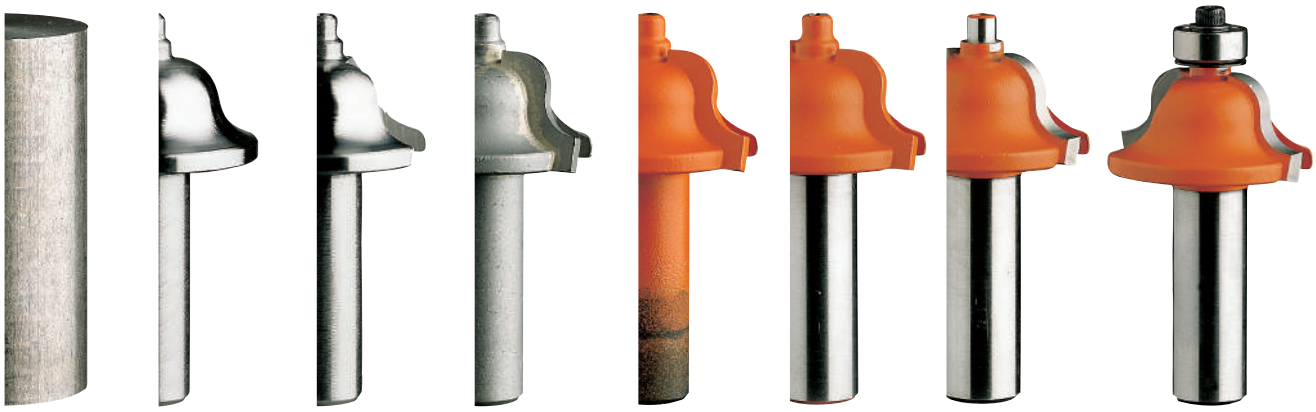
OGEE
254~256

ROUTER BIT SETS
257

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BUILDING THE WORLD'S FINEST CUTTING TOOLS

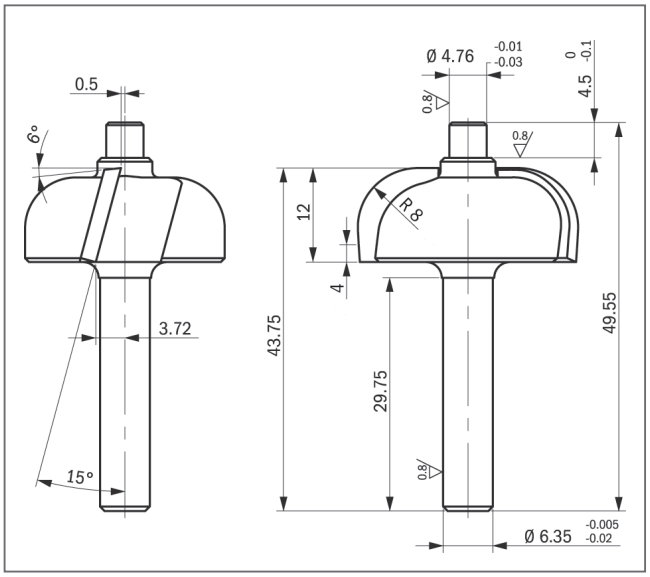
We built our foundations and reputation for high quality tools on the craftsman-like manufacturing of boring bits and router bits. Times have changed and current technology has completely altered the industry. As a result, our facilities have been newly renovated and our equipment today represents the 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.

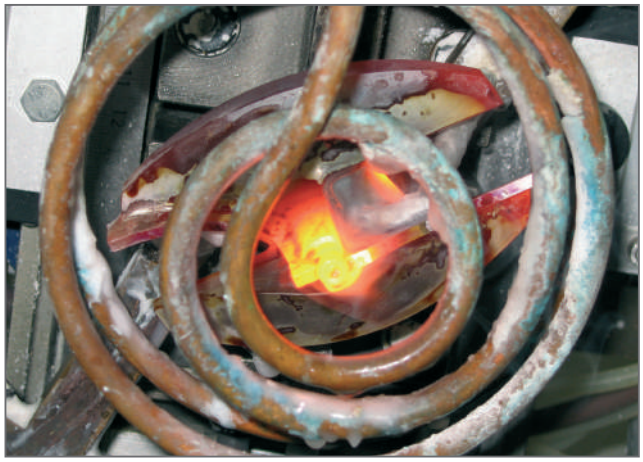


Heat Forged Steel Bodies for Large Diameter Bits. No router bits are exactly the same, sometimes not even in the way they are made. Certain bits require a few more steps than others, like heat forging the steel of larger diameter bits before turning it down into precise bit bodies. This extra step produces 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.

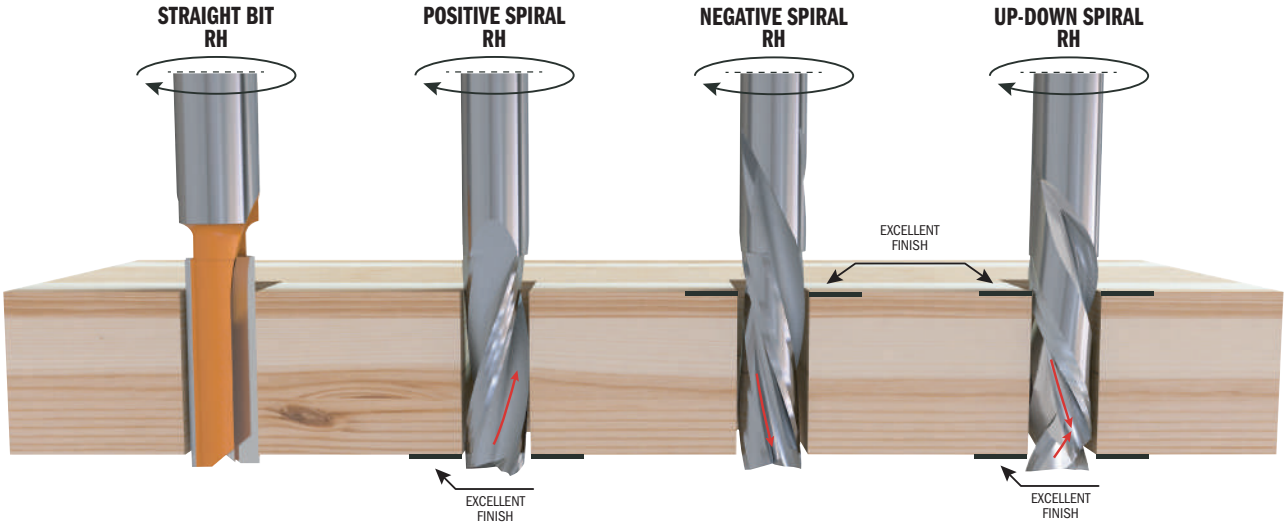
QUALITY CONTROL

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.

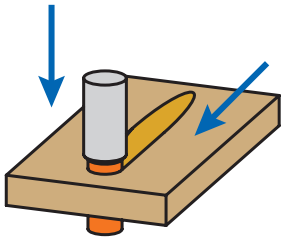


CMT's fully automatic measuring system.

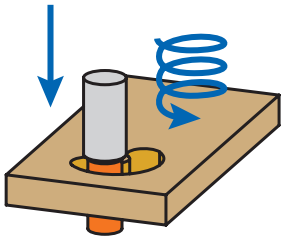
CUTTING EDGE TYPE



RECOMMENDED PLUNGING METHOD

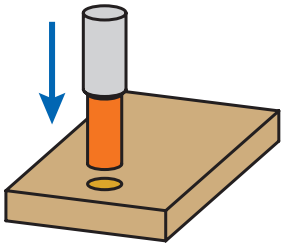


RAMP PLUNGING



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
Poor finishing	• Cutting depth • Vibrations	• Rotation speed • Dust extraction • Number of cutting edges • Clamping cutter/chuck
Cutting edge wear	• Rotation speed • Vibrations	• Feed speed
Cutting edge burns	• Rotation speed • Number of cutting-edges	• Feed speed
Cutting edge debris	• Cutting depth	• Rotation speed • Feed speed • Dust extraction
Vibrations	• Rotation speed • Cutting depth	• Machine stability • Workpiece stability
Cutter breakage	• Feed speed • Cutting depth • Vibrations	• Shank diameter • Collet clamping • Change tool material (solid carbide or DENSIMET®)

DECREASE

® Brand names mentioned in CMT products are the property of their respective owners (see page 376)

DLCS Chrome Coating Solid Carbide Upcut & Downcut Spiral Bits



XTREME PERFORMANCE

EXTRA HARD DLCS CHROME COATING

3X LONGER LIFE THAN UNCOATED

LONG LIFE

190.41 COMPRESSION UPCUT & DOWNCUT 2+2-EDGE

SOLID CARBIDE T2+2 RH UP DOWN

ORDER NO. Right-hand rotation		D inches	D mm	I inches	I_1 Pos. inches	L inches	S inches
190.504.41	10	3/8	9.52	1-1/8	9/32	3	3/8
190.505.41	10	1/2	12.7	1	15/32	3	1/2
190.506.41	10	1/2	12.7	1-1/8	15/32	3	1/2
190.507.41	10	1/2	12.7	1-3/8	15/32	3-1/2	1/2
190.508.41	10	1/2	12.7	1-5/8	15/32	4	1/2

190.41 COMPRESSION UPCUT & DOWNCUT 3+3-EDGE

SOLID CARBIDE T3+3 RH UP DOWN

ORDER NO. Right-hand rotation		D inches	D mm	I inches	I_1 Pos. inches	L inches	S inches
190.813.41	10	3/8	9.52	1	13/64	3	3/8
190.815.41	10	1/2	12.7	1-1/8	1/4	3	1/2

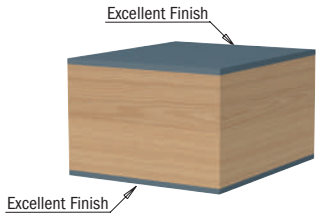
190.41 MORTISE COMPRESSION UPCUT & DOWNCUT 2+2-EDGE

SOLID CARBIDE T2+2 RH UP DOWN

ORDER NO. Right-hand rotation		D inches	D mm	I inches	I_1 Pos. inches	L inches	S inches
190.513.41	10	3/8	9.52	7/8	3/16	3	3/8
190.515.41	10	1/2	12.7	7/8	13/64	3	1/2
190.517.41	10	1/2	12.7	1-3/8	13/64	3-1/2	1/2

Solid Carbide Upcut & Downcut Spiral Bits





190 COMPRESSION UPCUT & DOWNCUT 2+2-EDGE

SOLID CARBIDE T2+2 RH UP DOWN

ORDER NO. Right-hand rotation		D inches	D mm	I inches	I_1 Pos. inches	L inches	S inches
190.008.11	10	1/4	6.35	7/8	9/32	2-1/2	1/4
190.504.11	10	3/8	9.52	1-1/8	9/32	3	3/8
190.505.11	10	1/2	12.7	1	15/32	3	1/2
190.506.11	10	1/2	12.7	1-1/8	15/32	3	1/2
190.507.11	10	1/2	12.7	1-3/8	15/32	3-1/2	1/2
190.508.11	10	1/2	12.7	1-5/8	15/32	4	1/2

190 COMPRESSION UPCUT & DOWNCUT 3+3-EDGE

SOLID CARBIDE T3+3 RH UP DOWN

ORDER NO. Right-hand rotation		D inches	D mm	I inches	I_1 Pos. inches	L inches	S inches
190.813.11	10	3/8	9.52	1	13/64	3	3/8
190.815.11	10	1/2	12.7	1-1/8	1/4	3	1/2

190 MORTISE COMPRESSION UPCUT & DOWNCUT 2+2-EDGE

SOLID CARBIDE T2+2 RH UP DOWN

ORDER NO. Right-hand rotation		D inches	D mm	I inches	I_1 Pos. inches	L inches	S inches
190.513.11	10	3/8	9.52	7/8	3/16	3	3/8
190.515.11	10	1/2	12.7	7/8	13/64	3	1/2
190.517.11	10	1/2	12.7	1-3/8	13/64	3-1/2	1/2

TECHNICAL DETAILS:
- Premium quality super-micrograin carbide
- 2+2 spiral cutting edges [T2+2].
- 3+3 spiral cutting edges [T3+3].
- Provides excellent finish on both top and bottom sides of the workpiece.

APPLICATION:
for an excellent edge finish on the top and bottom sides of laminates and double sided melamine. Can also be used with hardwoods and other wood and plastic composites. For fast feed rates on CNC routers, machining centers and point to point machines for ripping, panel sizing, template routing and other routing applications.

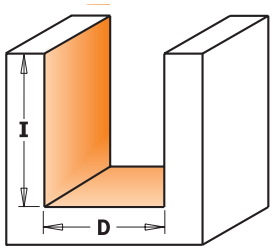
Solid Carbide Upcut 2-Edge Spiral Bits

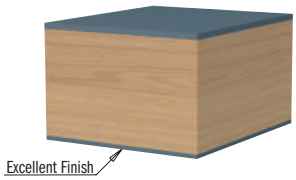


191

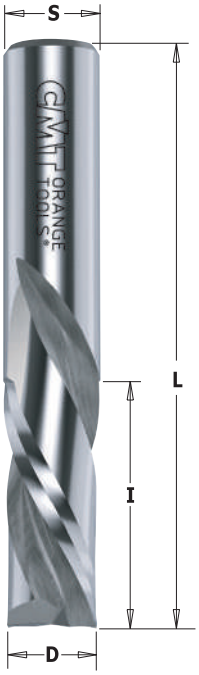
SOLID CARBIDE | T2 | RH | UP

ORDER NO. Right-hand rotation		D inches	D mm	I inches	L inches	S inches
191.001.11	10	1/8	3.18	1/2	2	1/4
191.003.11	10	5/32	3.97	1/2	2	1/4
191.005.11	10	3/16	4.76	3/4	2	1/4
191.007.11	10	1/4	6.35	3/4	2	1/4
191.008.11	10	1/4	6.35	1	2-1/2	1/4
191.501.11	10	5/16	7.94	1	3	1/2
191.503.11	10	3/8	9.52	1-1/4	3-1/4	1/2
191.505.11	10	1/2	12.7	1-1/4	3	1/2
191.506.11	10	1/2	12.7	1-1/2	3-1/2	1/2
191.507.11	10	1/2	12.7	2	4	1/2





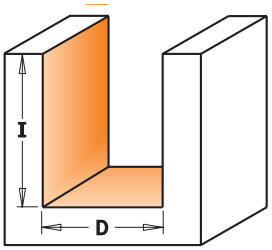
Solid Carbide Downcut 2-Edge Spiral Bits

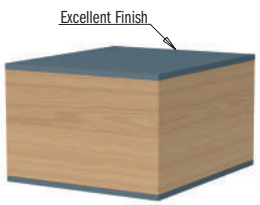


192

SOLID CARBIDE | T2 | RH | DOWN

ORDER NO. Right-hand rotation		D inches	D mm	I inches	L inches	S inches
192.001.11	10	1/8	3.18	1/2	2	1/4
192.003.11	10	5/32	3.97	1/2	2	1/4
192.005.11	10	3/16	4.76	3/4	2	1/4
192.007.11	10	1/4	6.35	3/4	2	1/4
192.008.11	10	1/4	6.35	1	2-1/2	1/4
192.501.11	10	5/16	7.94	1	3	1/2
192.503.11	10	3/8	9.52	1-1/4	3-1/4	1/2
192.505.11	10	1/2	12.7	1-1/4	3	1/2
192.506.11	10	1/2	12.7	1-1/2	3-1/2	1/2
192.507.11	10	1/2	12.7	2	4	1/2
10 PCS. IN MASTERPACK						
192.008.11-X10		1/4	6.35	1	2-1/2	1/4
192.501.11-X10		5/16	7.94	1	3	1/2
192.505.11-X10		1/2	12.7	1-1/4	3	1/2







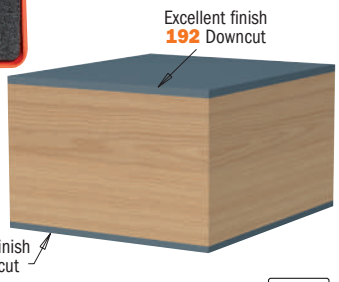
X10 (10 PCS. IN MASTERPACK)

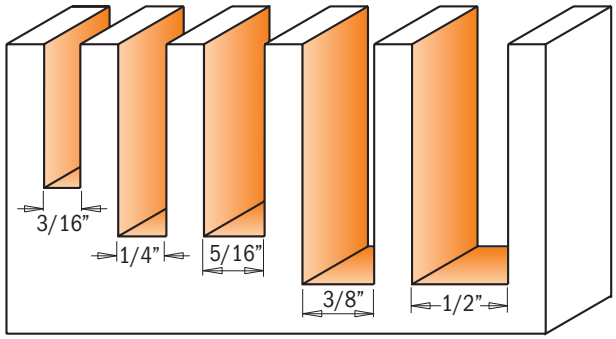
5-piece Solid Carbide Spiral Bit Sets



Our most popular solid carbide Spiral Bits at your fingertips in a safe, economical package! Choose upcut or downcut sets, each including 3/16", 1/4", 5/16", 3/8" and 1/2" diameters. Ideal for use on all soft/hard woods, plywood, laminates, MDF and plastic materials, with a CNC or handheld router. Remember: **upcut** bits provide fast chip ejection and deliver the finest finish on the lower surface of the workpiece. **Downcut** bits are the best choice where an ultra-smooth finish on the upper surface is the highest priority.

SOLID CARBIDE | T2 | RH





Drawing is 1:1 scale

191.000.02 UPCUT 2-EDGE SPIRAL BITS

UP

ORDER NO. S=Ø1/4" shank	ORDER NO. S=Ø1/2" shank	D inches	D mm	I inches	L inches	S inches
191.005.11		3/16	4.76	3/4	2	1/4
191.008.11		1/4	6.35	1	2-1/2	1/4
	191.501.11	5/16	7.94	1	3	1/2
	191.503.11	3/8	9.52	1-1/4	3	1/2
	191.505.11	1/2	12.7	1-1/4	3	1/2

192.000.02 DOWNCUT 2-EDGE SPIRAL BITS

DOWN

ORDER NO. S=Ø1/4" shank	ORDER NO. S=Ø1/2" shank	D inches	D mm	I inches	L inches	S inches
192.005.11		3/16	4.76	3/4	2	1/4
192.008.11		1/4	6.35	1	2-1/2	1/4
	192.501.11	5/16	7.94	1	3	1/2
	192.503.11	3/8	9.52	1-1/4	3	1/2
	192.505.11	1/2	12.7	1-1/4	3	1/2

3-piece Plywood Groove Sets



SOLID CARBIDE | CARBIDE TIPPED | T2 | RH

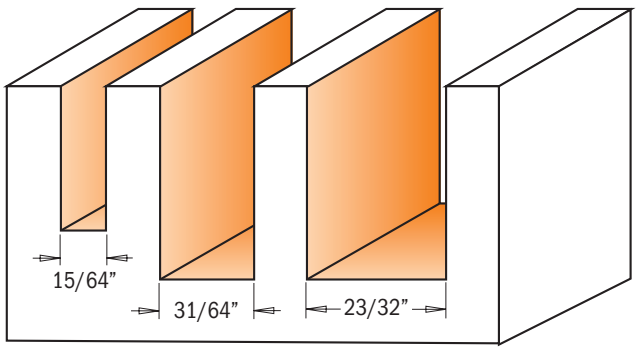
These groove bits are specifically designed to rout grooves and dadoes for joints in plywood. This means they match the true thickness of the material, producing tight, accurate joints. Use our 23/32" bit for 3/4" plywood, 31/64" bit for 1/2" plywood and our 15/64" bit for 1/4" plywood. No gaps.
No sloppy joints. No worries! These money-saving 3-bit sets are available with 1/2" or 1/4" shanks.

EXAMPLE SHOWN IN 1/2" THICK PLYWOOD

This joint is made with the CMT 31/64" straight bit in 1/2" plywood. Notice the precise fit - no gaps.



This joint is made with a regular 1/2" straight bit in 1/2" plywood. Notice the extra space and ill fitting joint.



Drawing is 1:1 scale

811.001.11 1/4" Shank

SET CONTAINS	ORDER NO. S=Ø1/4" shank	D inches	D mm	I inches
Straight bit	• 811.060.11	15/64	6	5/8
Straight bit	811.123.11	31/64	12.3	1
Straight bit	811.182.11	23/32	18.2	1

811.501.11 1/2" Shank

SET CONTAINS	ORDER NO. S=Ø1/2" shank	D inches	D mm	I inches
Straight bit	• 811.560.11	15/64	6	3/4
Straight bit	811.623.11	31/64	12.3	1
Straight bit	811.682.11	23/32	18.2	1

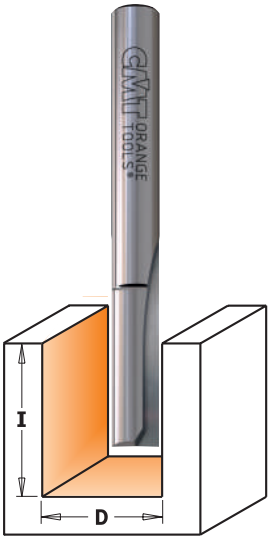
• Solid Carbide

CMT ORANGE TOOLS®

SOLID CARBIDE | CARBIDE TIPPED | T1 | T2 | RH

811



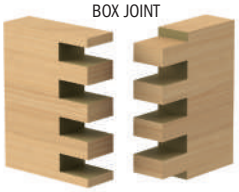


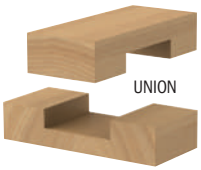
Drawing is 1:1 scale

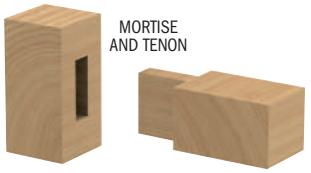
ORDER NO. S=Ø1/4" shank	ORDER NO. S=Ø1/2" shank		D inches	D mm	I inches	L inches	APPLICATION
• 811.020.11*		10		2	5/32	1-3/4	
• 811.030.11		10		3	5/16	1-3/4	
• 811.032.11		10	1/8	3.2	3/8	1-3/4	
• 811.040.11		10	5/32	4	3/8	1-3/4	*Bit for biscuits*
• 811.047.11		10	3/16	4.75	1/2	2	
• 811.050.11		10		5	15/32	2	
• 811.060.11		10	15/64	6	5/8	2	*Ply-Groove Bit*
	• 811.560.11	10	15/64	6	3/4	2-1/2	*Ply-Groove Bit*
• 811.064.11		10	1/4	6.35	3/4	2	
• 811.065.11		10	1/4	6.35	3/4	2-1/4	*For Incra Jig*
	• 811.564.11	10	1/4	6.35	3/4	2-1/2	*For Incra Jig*
• 811.070.11		10		7	23/32	1-7/8	
• 811.080.11		10	5/16	7.94	3/4	2	
• 811.081.11		10	5/16	7.94	1	2-3/4	*For Leigh Jig*
	• 811.581.11	10	5/16	7.94	1	2-3/4	*For Incra Jig*
811.095.11		10	3/8	9.52	3/4	2	
811.096.11		10	3/8	9.52	1	2-1/2	*For Incra Jig*
	811.595.11	10	3/8	9.52	1	2-5/8	*For Incra Jig*
811.100.11		10		10	3/4	1-7/8	
	811.600.11	10		10	1	2-1/2	
811.120.11		10		12	3/4	2	
	811.620.11	10		12	1	2-1/2	
811.123.11		10	31/64	12.3	1	2-1/4	*Ply-Groove Bit*
	811.623.11	10	31/64	12.3	1	2-1/2	*Ply-Groove Bit*
811.127.11		10	1/2	12.7	3/4	2-1/4	
	811.627.11	10	1/2	12.7	1	2-5/8	
	811.628.11	10	1/2	12.7	1-1/4	3	*For Leigh Jig*
811.140.11		10		14	3/4	2	
811.142.11		10	9/16	14.2	9/16	2-1/4	
811.150.11		10		15	3/4	2-1/4	
811.158.11		10	5/8	15.87	3/4	2-5/8	
	811.660.11	10	5/8	15.87	1	2-1/2	
811.160.11		10		16	3/4	2-1/4	
	811.661.11	10		16	1	2-1/2	
811.180.11		10		18	3/4	2	
811.182.11		10	23/32	18.2	1	2-1/4	*Ply-Groove Bit*
	811.682.11	10	23/32	18.2	1	2-1/2	*Ply-Groove Bit*
811.191.11		10	3/4	19.05	3/4	2-1/4	
	811.690.11	10	3/4	19.05	1	2-1/2	
	811.700.11	10	25/32	19.85	1	2-5/16	
811.200.11		10		20	3/4	2	
811.220.11		10		22	3/4	2-1/4	
811.254.11		10	1	25.4	3/4	2	
	811.754.11	10	1	25.4	1-1/4	3	
	811.785.11	10	1-1/8	28.57	1-1/4	3	

• Solid Carbide
***T1**





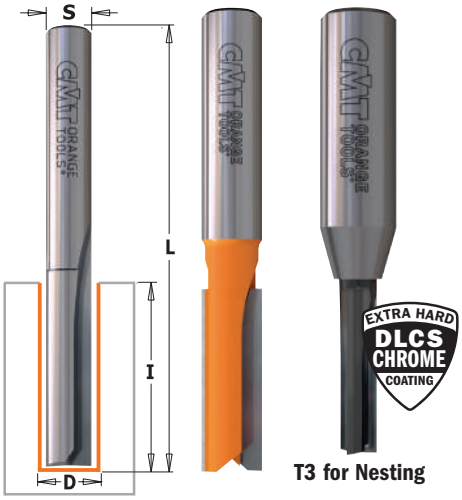












T3 for Nesting

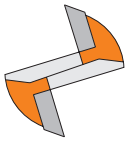
812

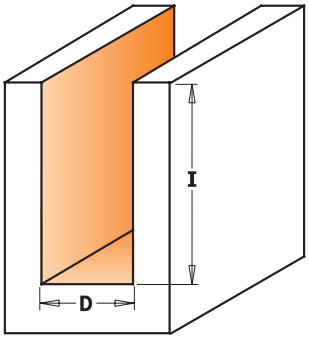
SOLID CARBIDE | CARBIDE TIPPED | T2 | T3 | RH

CMT's Straight Bits offer an array of features that define our top-quality tools: razor-sharp edges, special high-strength steel and the finest micrograin carbide. Built to withstand even the heaviest working conditions, CMT bits will continue to provide smooth, precise cuts everytime. Count on exceptional chip ejection for cleaner, more constant cutting. These bits feature our trademark orange P.T.F.E. Industrial Coating to guard against resin, pitch and other residue build-up. A variety of Straight Bits to choose from guarantees production at an industrial scale on a variety of materials like plywood, composites and natural woods.

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





Drawing is 1:1 scale

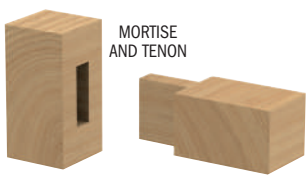
ORDER NO. S=Ø1/4" shank	ORDER NO. S=Ø1/2" shank		D inches	D mm	I inches	L inches	APPLICATION
• 812.032.11		10	1/8	3.2	1/2	2	
• 812.060.11		10	15/64	6	1	2-3/8	
• 812.064.11		10	1/4	6.35	1	2-3/8	
• 812.080.11		10	5/16	7.94	1-1/4	2-3/8	
812.095.11		10	3/8	9.52	1-1/4	2-1/2	
	812.595.11	10	3/8	9.52	1-1/4	2-7/8	
812.100.11		10		10	1-1/4	2-3/8	
	812.600.11	10		10	1-1/4	2-3/4	
	812.611.11	10	7/16	11.1	1-1/4	3-1/4	*For Leigh Jig*
812.120.11		10		12	1-1/4	2-3/8	
	812.620.11	10		12	1-1/4	2-3/4	
	812.621.11	10		12	1-1/2	3-3/4	
812.127.11		10	1/2	12.7	1-1/4	2-3/4	
	812.627.11	10	1/2	12.7	1-1/2	3-3/4	
	812.628.11	10	1/2	12.7	2	4-1/4	
	812.629.11	10	1/2	12.7	2-1/2	4-3/8	
812.140.11		10		14	1-1/4	2-3/8	
812.150.11		10		15	1-1/4	2-5/8	
812.158.11		10	5/8	15.87	1-1/4	2-3/4	
812.160.11		10		16	1-1/4	2-5/8	
	812.660.11	10		16	1-1/4	2-3/4	
	812.690.11	10	3/4	19.05	1-1/2	3-1/4	
	812.691.11	10	3/4	19.05	2	3-5/8	
10 PCS. IN MASTERPACK							
811.096.11-X10			3/8	9.52	1	2-1/2	
812.064.11-X10			1/4	6.35	1	2-3/8	
	812.627.11-X10		1/2	12.7	1-1/2	3-3/4	
	812.628.11-X10		1/2	12.7	2	4-1/4	
FOR INDUSTRIAL NESTING APPLICATION [T3] - DLCS CHROME LONG-LIFE COATING							
	• 812.564.11	10	1/4	6.35	1	2-7/8	*For Nesting*
	• 812.581.11	10	5/16	7.94	1-1/8	3	*For Nesting*



X10
(10 PCS. IN MASTERPACK)

T3 **812.564.11**
812.581.11

• **Solid Carbide**



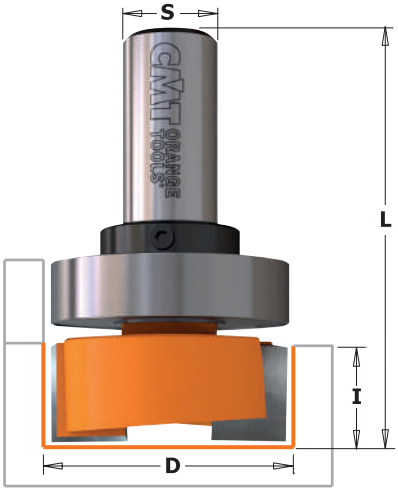








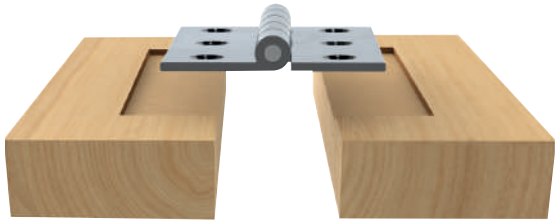




801B

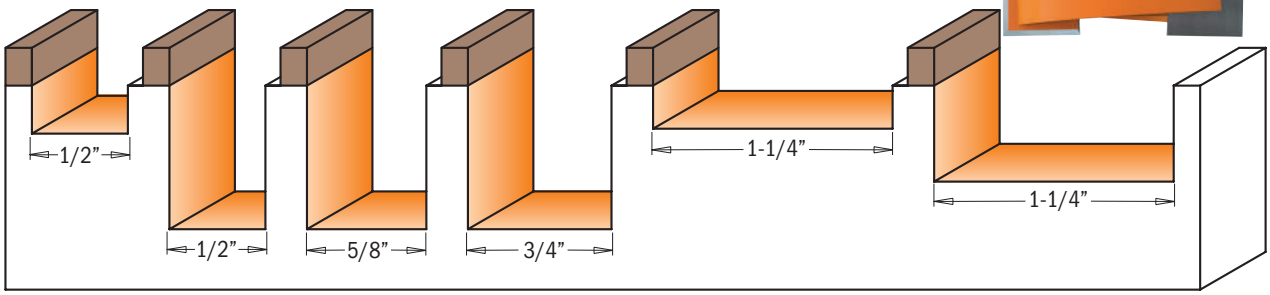
CARBIDE TIPPED | T2 | RH

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.





Drawing is 1:1 scale

ORDER NO. S=Ø1/4" shank	ORDER NO. S=Ø1/2" shank		D inches	D mm	I inches	L inches
801.128.11		10	1/2	12.7	1/4	1-5/8
801.127.11		10	1/2	12.7	3/4	2-1/8
	801.627.11	10	1/2	12.7	3/4	2-3/8
801.158.11		10	5/8	15.87	3/4	2-1/4
801.190.11		10	3/4	19.05	3/4	2-1/8
	801.690.11	10	3/4	19.05	3/4	2-1/4
	801.818.11	10	1-1/4	31.7	7/32	2-31/64
801.317.11		10	1-1/4	31.7	1/2	1-57/64
	801.817.11	10	1-1/4	31.7	1/2	2-1/8
WITH TOP BEARING						
801.128.11B*		10	1/2	12.7	1/4	1-5/8
801.127.11B		10	1/2	12.7	3/4	2-1/8
801.158.11B		10	5/8	15.87	3/4	2-1/4
801.190.11B		10	3/4	19.05	3/4	2-1/8
	801.818.11B	10	1-1/4	31.7	7/32	2-31/64
	801.817.11B	10	1-1/4	31.7	1/2	2-1/8

Spare parts

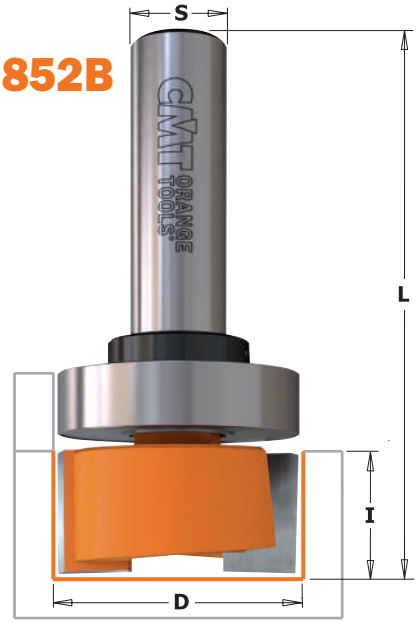
791.010.00	541.001.00	991.056.00
791.010.00	541.001.00	991.056.00
791.009.00	541.001.00	991.056.00
791.004.00	541.001.00	991.056.00
791.015.00	541.002.00	991.056.00
791.015.00	541.002.00	991.056.00

*Bit designed for Dado clean-out. For use on flooring medallions.

CMT ORANGE TOOLS®

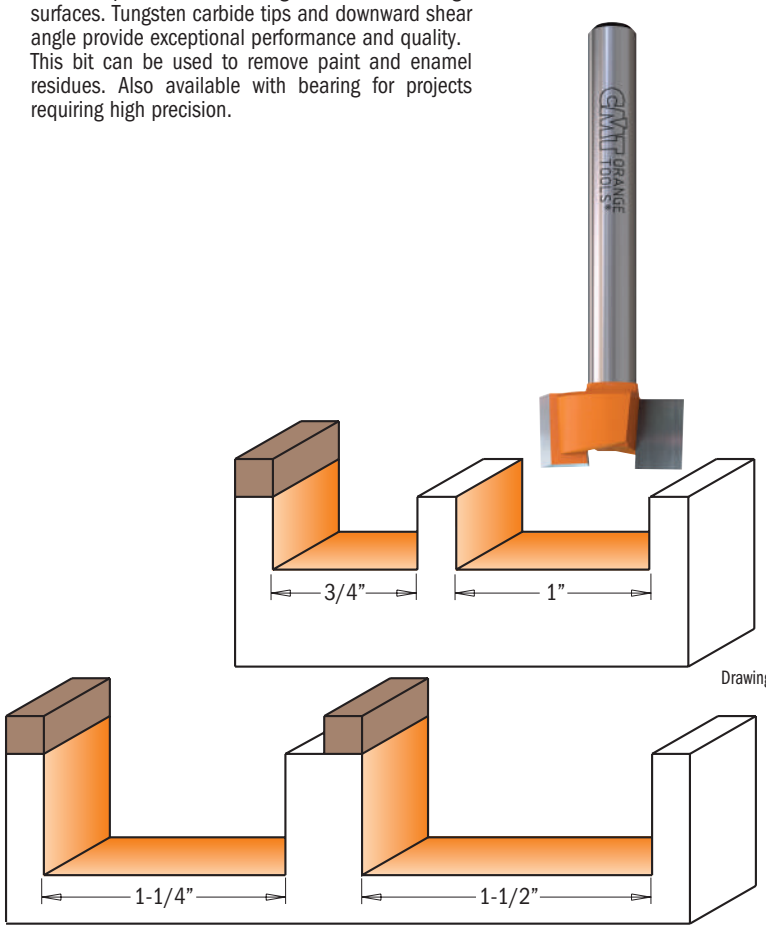
CARBIDE TIPPED | T2 | RH

852B



852

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.

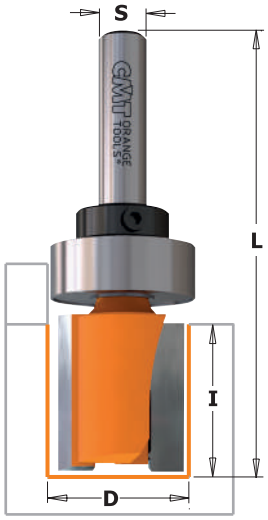


Drawing is 1:1 scale

ORDER NO. S=Ø1/4" shank	ORDER NO. S=Ø1/2" shank		D inches	D mm	I inches	L inches
852.001.11		10	3/4	19.05	3/8	2-1/4
	852.501.11	10	3/4	19.05	3/8	2-1/2
	852.502.11	10	1	25.4	3/8	2-1/4
	852.503.11	10	1-1/4	31.7	5/8	2-3/4
	852.504.11	10	1-1/2	38.1	5/8	2-3/4
WITH TOP BEARING						
852.001.11B		10	3/4	19.05	3/8	2-1/4
	852.501.11B	10	3/4	19.05	3/8	2-1/2
	852.503.11B	10	1-1/4	31.7	5/8	2-3/4
	852.504.11B	10	1-1/2	38.1	5/8	2-3/4

Spare parts

791.004.00	541.001.00	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



811B

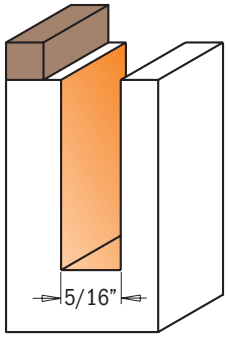
These double-fluted bits paired with the template of your choice will produce distinctive cabinets, furniture pieces, signs, toys and personalize a variety of creative projects.

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.

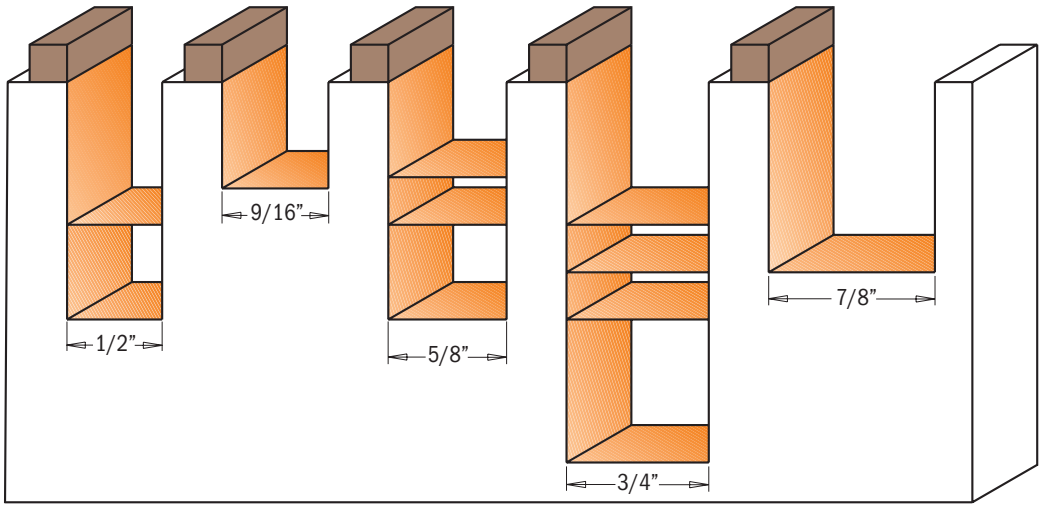
CARBIDE TIPPED T2 RH

812B





811.081.11B



Drawing is 1:1 scale

ORDER NO. S=Ø1/4” shank	ORDER NO. S=Ø1/2” shank		D inches	D mm	I inches	L inches
811.081.11B ■		10	5/16	7.94	1	2-3/4
811.127.11B		10	1/2	12.7	3/4	2-1/4
811.142.11B ■		10	9/16	14.2	9/16	2-1/4
811.159.11B		10	5/8	15.87	1/2	2-9/32
811.158.11B		10	5/8	15.87	3/4	2-5/8
811.191.11B		10	3/4	19	3/4	2-1/4
	811.690.11B	10	3/4	19	1	2-1/2
	811.222.11B*	10	7/8	22.2	1	2-5/8
812.127.11B		10	1/2	12.7	1-1/4	2-3/4
812.158.11B		10	5/8	15.87	1-1/4	2-3/4
	812.690.11B	10	3/4	19.05	1-1/2	3-1/4
	812.691.11B	10	3/4	19.05	2	3-5/8

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
791.009.00	541.001.00	991.056.00
791.009.00	541.001.00	991.056.00
791.004.00	541.001.00	991.056.00
791.011.00	541.002.00	991.056.00
791.021.00	541.006.00	991.056.00
791.010.00	541.001.00	991.056.00
791.009.00	541.001.00	991.056.00
791.011.00	541.002.00	991.056.00
791.011.00	541.002.00	991.056.00

■ **Item with larger diameter bearing**

***Ø3/8” shanks with Ø3/8”-1/2” bushings (799.001.00)**

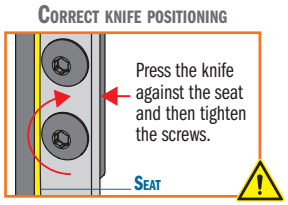


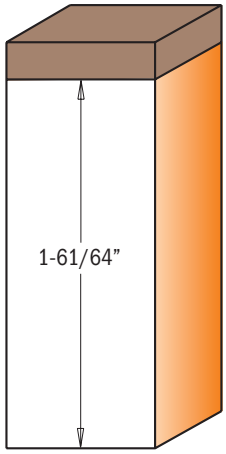
652.691.11B [T1]
652.787.11B [T2]

652B

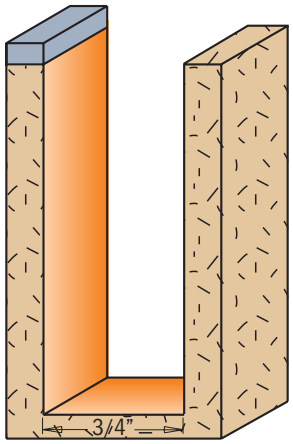
INSERT CARBIDE | T1 | T2 | RH | 2X CUTTING

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



SAFETY TIPS:



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 323).

ORDER NO. S=Ø1/2” shank		D inches	D mm	I inches	L inches
652.691.11B	10	3/4	19.05	1-61/64	3-61/64
652.787.11B	10	1-1/8	28.6	1-61/64	3-61/64

Spare parts: **541.002.00** Ø1/2” stop collar
991.056.00 1.5mm hex key

Spare parts

790.495.09	990.072.00	991.061.00	791.011.00
790.503.00*	990.076.00	991.061.00	791.027.00

* 3 bore

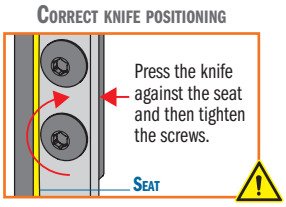
Pattern Router Bits with Insert Knives for Laminates

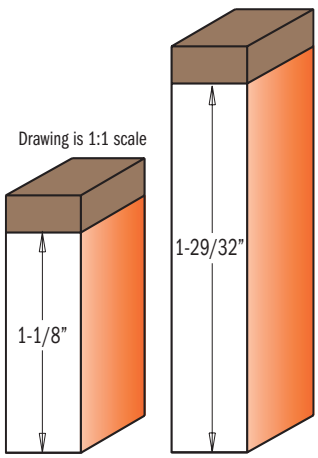


656

INSERT CARBIDE | T2 | 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

SAFETY TIPS:



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 323).

ORDER NO. S=Ø1/2” shank		D inches	D mm	I inches	L inches
656.691.11	10	3/4	19.05	1-1/8	3-1/8
656.693.11	10	3/4	19.05	1-29/32	3-15/16

Spare parts: **541.002.00** Ø1/2” stop collar
991.056.00 1.5mm hex key

Spare parts

790.283.12	990.075.00	991.061.00	791.011.00
790.483.12	990.075.00	991.061.00	791.011.00

® Brand names mentioned in CMT products are the property of their respective owners (see page 376)

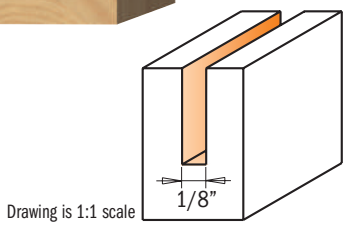
Weatherseal Bits

812.032

SOLID CARBIDE | T2 | RH



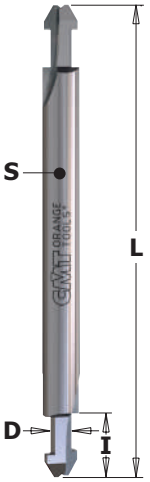




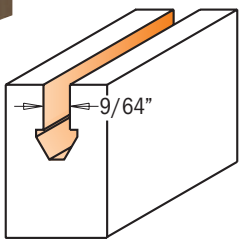
Drawing is 1:1 scale

813.001

SOLID CARBIDE | T2 | RH







Drawing is 1:1 scale

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.

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 1/8” cutting diameter.

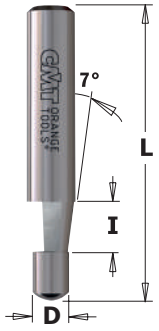
ORDER NO. S=Ø1/4” shank		D inches	D mm	I inches	L inches
812.032.11	10	1/8	3.2	1/2	2

ORDER NO. S=Ø1/4” shank		D inches	D mm	I inches	L inches
813.001.11	10	9/64	3.5	5/16	3

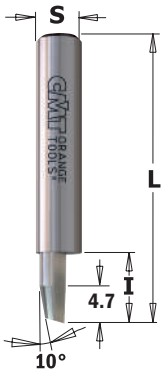
Solid Carbide Combination Trimmer Bits



842.095.11



843.063.11



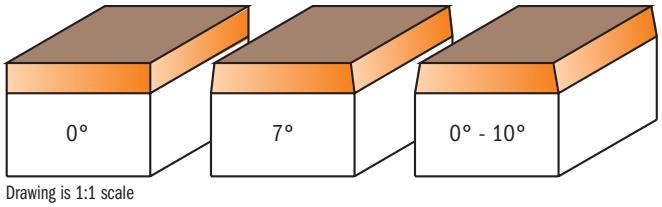
843.064.11

842 - 843

SOLID CARBIDE | T1 | 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.

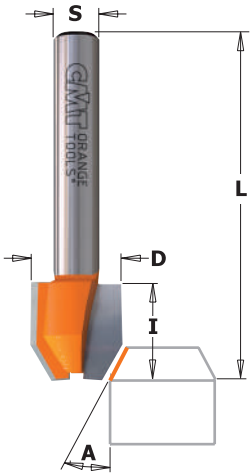


Drawing is 1:1 scale

ORDER NO. S=Ø1/4” shank		A	D inches	D mm	I inches	L inches
842.095.11	10	0°	1/4	6.35	3/8	1-1/2
843.063.11	10	7°	1/4	6.35	1/4	1-1/2
843.064.11	10	0° - 10°	1/4	6.35	3/8	1-1/2
50 PCS. IN MASTERPACK						
842.095.11-X50		0°	1/4	6.35	3/8	1-1/2
843.063.11-X50		7°	1/4	6.35	1/4	1-1/2



X50 (50 PCS. IN MASTERPACK)

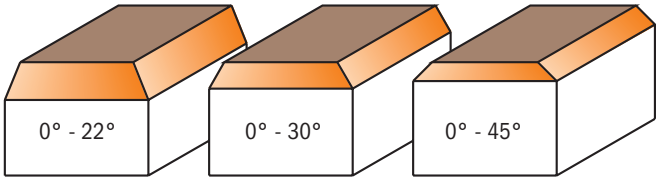


821

CARBIDE TIPPED T2 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.

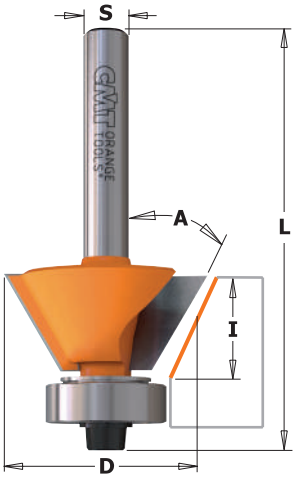
NOTICE: to be used with an edge, separate guide or fence.



Drawing is 1:1 scale

ORDER NO. S=Ø1/4" shank		A	D inches	D mm	I inches	L inches
821.022.11	10	0° - 22°	15/32	11.9	1/2	1-3/4
821.030.11	10	0° - 30°	15/32	11.9	1/2	1-3/4
821.045.11	10	0° - 45°	15/32	11.9	1/2	1-3/4

Combination Trimmer Bits



809.022.11
809.025.11

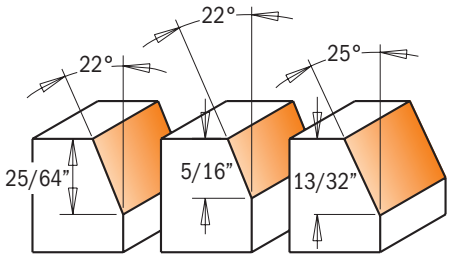


809.023.11
T3

809

CARBIDE TIPPED T2 T3 RH

CMT Bevel trim bits are ideal for putting a superior finish on laminates. They feature two flutes for smoother cutting and specially coated bearings to protect your work piece.
The cutting depth of the bit can be varied to obtain precise borders and edges on both soft and hard woods.



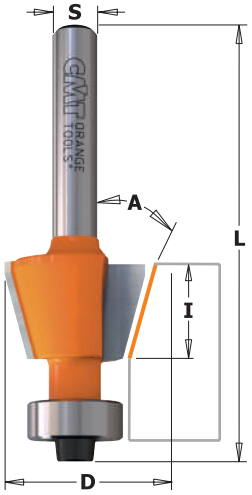
Drawing is 1:1 scale

ORDER NO. S=Ø1/4" shank		A	D inches	D mm	I inches	L inches	T
809.022.11	10	22°	1/2	12.7	5/16	1-7/8	2
809.023.11	10	22°	11/16	17.5	3/8	2	3
809.025.11	10	25°	3/4	19.05	13/32	2-1/16	2

Spare parts

	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

Non-Blocking Combination Trimmer Bit



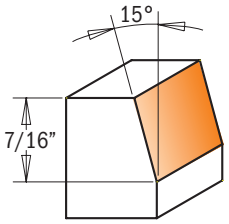
809

CARBIDE TIPPED | T2 | RH

Ideal bit for efficient trimming of laminates, chipboard and melamine. The bit is equipped with a DELRIN® bearing to match the workpiece without scratching or marring. The gap between the bearing and the bottom of the cutter allows for an efficient ejection of glue and resin without blocking the bearing, so your tool will last longer and remain in top condition!

NON BLOCKING

DELRIN® anti-stick properties greatly reduce the likelihood of freezing from glue and prevent scratching, unlike the traditional steel bearing.



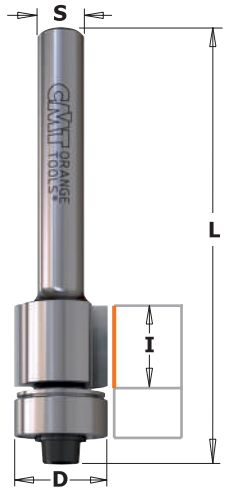
Drawing is 1:1 scale

ORDER NO. S=Ø1/4” shank		A	D inches	D mm	I inches	L inches
809.016.11	10	15°	47/64	18.6	7/16	2-1/4

Spare parts

990.422.00	791.044.00	990.058.00	991.057.00

DP - Flush Trim Bits for Laminates



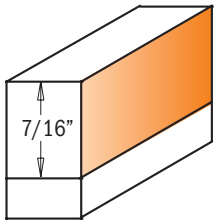
806 XTREME

PCD DP | T2 | RH | 40X LONGER LIFE THAN CARBIDE | LONG LIFE

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)





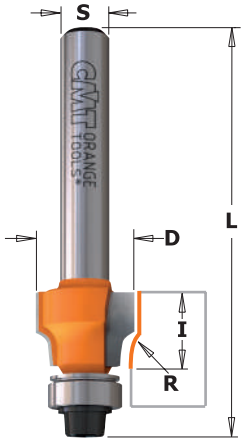
Drawing is 1:1 scale

ORDER NO. S=Ø1/4” shank		I inches	I mm	D inches	L inches
806.128.61	10	7/16	11	1/2	2-9/32

Spare parts

990.423.00	791.003.00	990.058.00	991.057.00

FILE-FREE Flush Trim Bits for Laminate

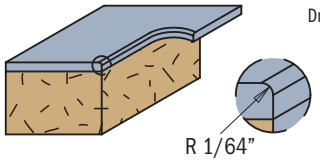


807

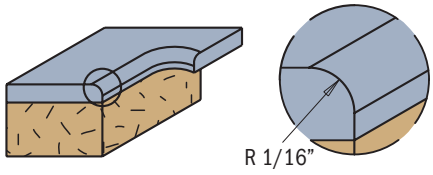
CARBIDE TIPPED | T2 | RH

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



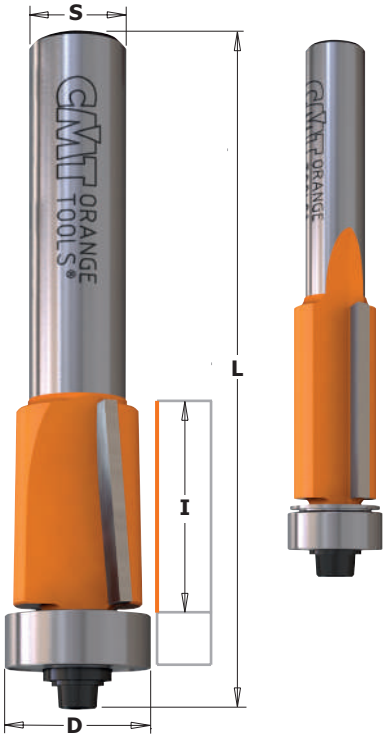
ORDER NO. S=Ø1/4” shank		D inches	D mm	I inches	R inches	L inches
807.004.11	10	1/2	12.7	3/8	1/64	2-3/64
807.015.11	10	1/2	12.7	3/8	1/16	2-3/64

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 page 376)

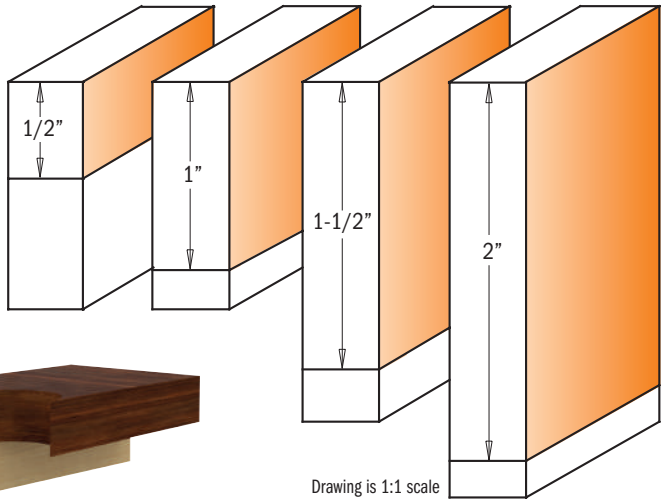
CMT ORANGE TOOLS®



806

SOLID CARBIDE | CARBIDE TIPPED | α | T2 | T3 | RH

Tough, versatile, fast-cutting CMT Flush Trim bits are ideal for a wide variety of trimming jobs. We offer a wide range of sizes that are sure to satisfy any woodworing need. Use these carbide tipped bits for precision work on laminates or for quick template work with excellent finish results.



Drawing is 1:1 scale







X10 (10 PCS. IN MASTERPACK)

• **Solid Carbide**

ORDER NO. S=Ø1/4” shank	ORDER NO. S=Ø1/2” shank		I inches	I mm	D inches	L inches	α
• 806.064.11		10	1	25.4	1/4	2-1/2	0°
806.096.11		10	1/2	12.7	3/8	2-3/16	0°
806.128.11		10	1/2	12.7	1/2	2-9/32	-5° Neg.
	806.628.11	10	1/2	12.7	1/2	2-25/32	-5° Neg.
806.095.11		10	1	25.4	3/8	2-11/16	0°
806.127.11		10	1	25.4	1/2	2-25/32	-3° Neg.
	806.627.11	10	1	25.4	1/2	3-13/32	-3° Neg.
	806.629.11	10	1-1/2	38.1	1/2	3-45/64	0°
	806.630.11	10	2	50.8	1/2	4-3/32	0°
806.191.11		10	1	25.4	3/4	2-29/32	-5° Neg.
	806.691.11	10	1	25.4	3/4	3-13/32	-5° Neg.
	806.692.11	10	1-1/2	38.1	3/4	3-21/32	-3° Neg.
	806.690.11	10	2	50.8	3/4	4-5/16	-3° Neg.
10 PCS. IN MASTERPACK							
806.096.11-X10			1/2	12.7	3/8	2-3/16	0°
806.095.11-X10			1	25.4	3/8	2-11/16	0°
806.127.11-X10			1	25.4	1/2	2-51/64	-3° Neg.
	806.627.11-X10		1	25.4	1/2	3-13/32	0°

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
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
990.423.00	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
990.425.00	791.004.00	541.550.00	990.058.00
990.425.00	791.004.00	541.550.00	990.058.00

Spare parts: **991.057.00** 3/32” hex key for screw (990.058.00)

SHOP TIPS: after resharpening, replace bearing as follows:
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)

3-FLUTE SUPER-DUTY FLUSH TRIM BIT

ORDER NO. S=Ø1/4” shank		I inches	I mm	D inches	L inches	α
806.227.11	10	1	25.4	1/2	2-25/32	0°

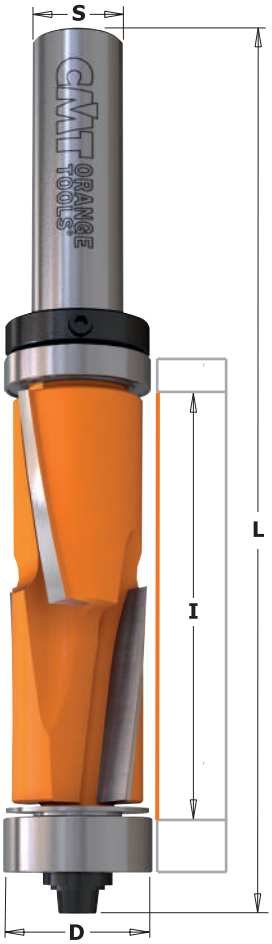
Spare parts

990.423.00	791.003.00	990.058.00	991.057.00

LONG LIFE

SHOP TIPS: after resharpening, replace bearing 791.003.11 (Ø12.7mm) with undersized bearing **791.063.00** (Ø12.5mm)

Super-duty Flush Trim Bit - *XTREME Series*



806B XTREME

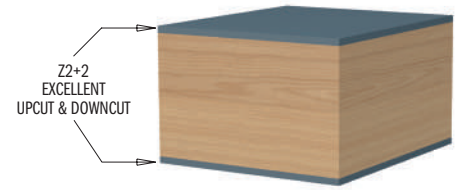
CARBIDE TIPPED | T2+2 | RH

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.

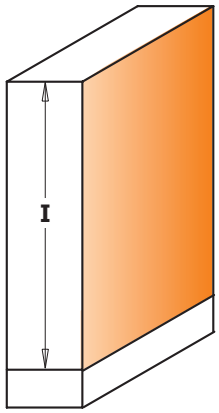
NOTA: use of variable speed routing machines is required.
19mm bits Max RPM 18.000
35mm bits Max RPM 16.000

PTIA 2024 AWARD WINNER

806.690.41B
2024 PRO TOOL INNOVATION AWARDS
ROUTER BIT WINNER
"RECOGNITION FOR EXCELLENT VALUE, ADVANCED FEATURES AND INNOVATION"
www.protoolinnovationawards.com







Drawing is 1:1 scale

ORDER NO. S=Ø1/4" shank	ORDER NO. S=Ø1/2" shank		I inches	I mm	D inches	L inches
806.127.41B		10	1	25.4	1/2	3-5/32
806.191.41B		10	1	25.4	3/4	3-3/8
	806.690.41B	10	2	50.8	3/4	4-29/64
	806.880.41B	10	2	50.8	1-3/8	4-27/32

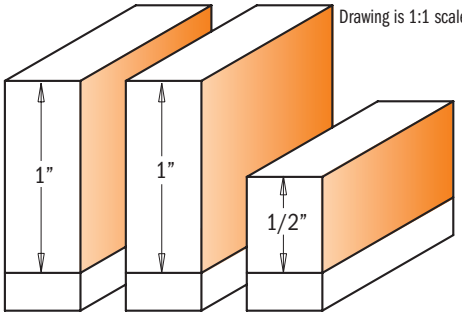
Spare parts

990.423.00	791.003.00		791.010.00	541.001.00
990.425.00	791.004.00	541.550.00	791.004.00	541.001.00
990.425.00	791.004.00	541.550.00	791.011.00	541.002.00
990.426.00	791.029.00	541.552.00	791.029.00	541.002.00

Spare parts: **990.058.00** 1/8"x3/8"x1/2" TCEI screw
991.056.00 1.5mm hex key for screw (M3)
991.057.00 3/32" hex key for screw (990.058.00)

Flush Trim Bit Set





Drawing is 1:1 scale

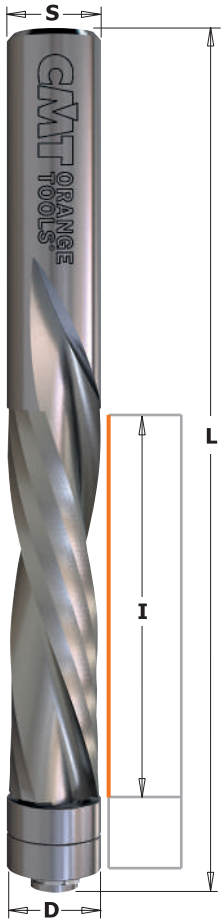
CARBIDE TIPPED | T2 | RH

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.

806.001.11

1/4" Shank

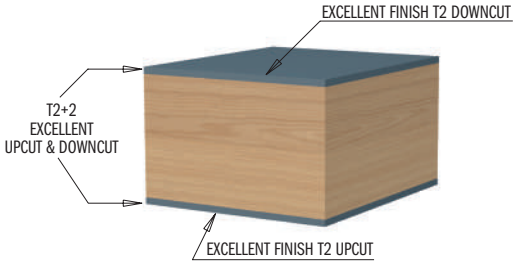
SET CONTAINS	ORDER NO. S=Ø1/4" shank	D inches	D mm	I inches	L inches
Flush Trim bit	**806.095.11**	3/8	9.52	1	2-11/16
Flush Trim bit	**806.096.11**	3/8	9.52	1/2	2-3/16
Flush Trim bit	**806.191.11**	3/4	19.05	1	2-59/64

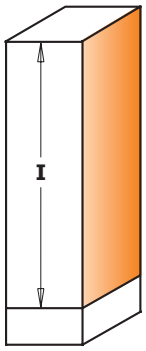


190B - 191B - 192B

SOLID CARBIDE | T2 | T2+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.

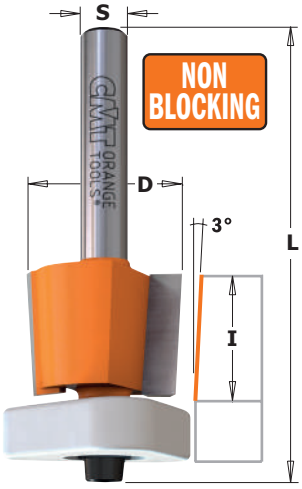




Drawing is 1:1 scale

ORDER NO. S=Ø1/4" shank	ORDER NO. S=Ø1/2" shank		I inches	I mm	D inches	L inches	Spare parts		
2+2-EDGE UPCUT & DOWNCUT									
	190.508.11B	10	1-7/8	47.6	1/2	4-1/2	791.010.00		541.301.00
2-EDGE UPCUT									
191.008.11B		10	1	25.4	1/4	3	791.035.00	541.009.00	
	191.505.11B	10	1-1/4	31.7	1/2	3-1/2	791.010.00		541.301.00
	191.507.11B	10	2	50.8	1/2	4-1/2	791.010.00		541.301.00
2-EDGE DOWNCUT									
192.008.11B		10	1	25.4	1/4	3	791.035.00	541.009.00	
	192.505.11B	10	1-1/4	31.7	1/2	3-1/2	791.010.00		541.301.00
	192.507.11B	10	2	50.8	1/2	4 -1/2	791.010.00		541.301.00

3-in-1 Flush Trim Bits for MDF/Laminate



807

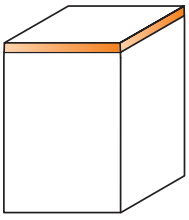
CARBIDE TIPPED | T2 | RH

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

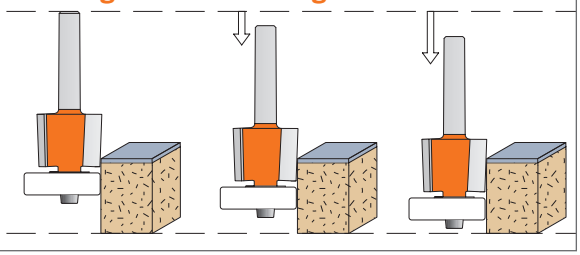
Patent No. D628,218

- 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.



ORDER NO. S=Ø1/4" shank	ORDER NO. S=Ø1/2" shank		I inches	I mm	D inches	L inches	Spare parts			
807.128.11		10	1/2	12.7	1/2	2-9/64	990.422.00	791.042.00	990.058.00	991.057.00
807.190.11		10	5/8	15.87	3/4	2-11/32	990.423.00	791.043.00	990.058.00	991.057.00
	807.690.11	10	5/8	15.87	3/4	2-19/32	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 page 376)

CMT ORANGE TOOLS®

INSERT CARBIDE | T2 | RH | 2X CUTTING

657

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

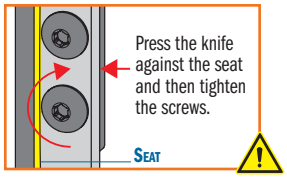


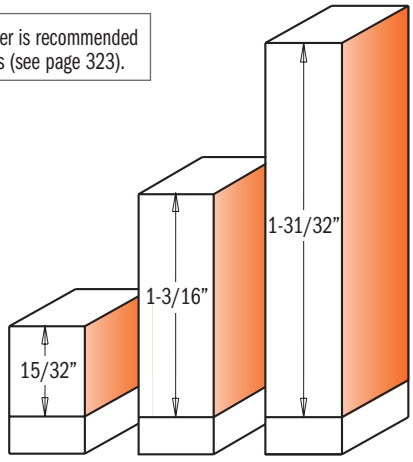
SAFETY TIPS:



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 323).

CORRECT KNIFE POSITIONING





Drawing is 1:1 scale

ORDER NO. S=Ø1/4” shank	ORDER NO. S=Ø1/2” shank		I inches	I mm	D inches	L inches
657.192.11		10	15/32	12	3/4	2-1/4
	657.692.11	10	1-3/16	30	3/4	3-23/64
	657.992.11	10	1-31/32	50	3/4	4-13/32

Spare parts

790.120.00	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

® Brand names mentioned in CMT products are the property of their respective owners (see page 376)

CMT ORANGE TOOLS®

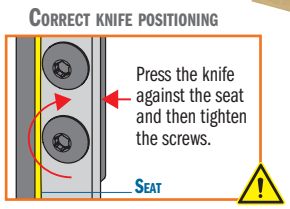


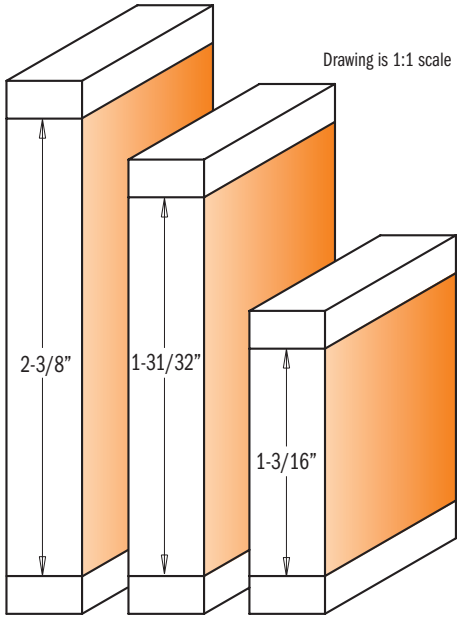
657B

INSERT CARBIDE | T2 | RH | 2X CUTTING

These bits complete the wide range of CMT Flush Trim bits equipped with a bearing. A larger 3/4" (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 323).

ORDER NO. S=Ø1/2" shank		I inches	I mm	D inches	L inches
657.692.11B	10	1-3/16	30	3/4	1-35/64
657.994.11B	10	1-31/32	50	3/4	4-11/32
657.996.11B	10	2-3/8	60	3/4	4-3/4

Spare parts

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** Shield Ø4.2/Ø9mm for M4 screws
991.067.00 3mm hex key
991.061.00 T15 TORX® key
991.056.00 1.5mm hex key



Flush Trim Router Bits with Double Bearing

806B

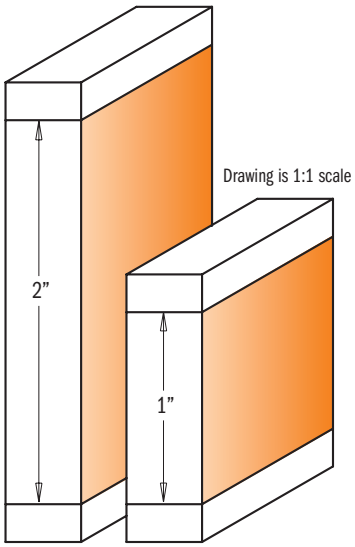
CARBIDE TIPPED | α | T2 | RH

This innovative two-flute router bit is equpped with a double bearing and feature a down shear deisgn allowing cleaner, smoother cuts on a variety of materials.

Now it's no longer necessary to flip or move your tool during routing opertions. This tool is particularily effective when routing curved elements along or against the grain.







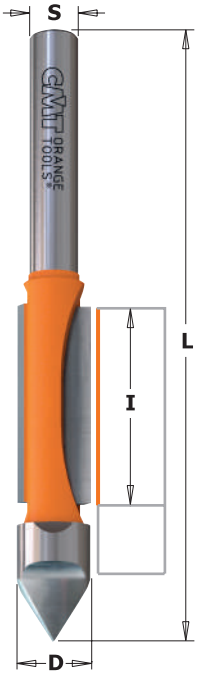
ORDER NO. S=Ø1/2" shank		I inches	I mm	D inches	L inches	α
806.691.11B	10	1	25.4	3/4	3-13/32	-5° Neg.
806.690.11B	10	2	50.8	3/4	4-5/16	-3° Neg.

Spare parts

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	541.002.00

Spare parts: **991.057.00** 3/32" hex key

® Brand names mentioned in CMT products are the property of their respective owners (see page 376)



816

SOLID CARBIDE | CARBIDE TIPPED | T1 | T2 | 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, 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.

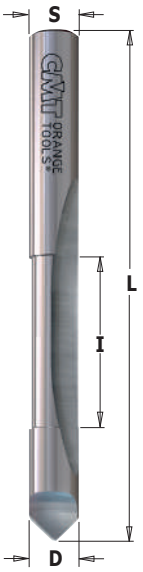
SAFETY TIPS: always use extra caution when working near electrical outlets and boxes - always shut off the power. Make sure the bit does not go so deep as to touch or cut the wires.





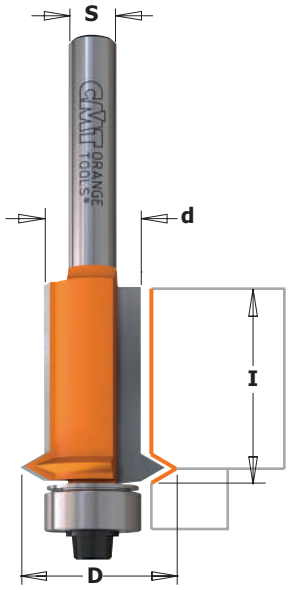
816.064

• **Solid Carbide**



X10 (10 PCS. IN MASTERPACK)

ORDER NO. S=Ø1/4" shank	ORDER NO. S=Ø1/2" shank		D inches	D mm	I inches	L inches	T
816.064.11		10	1/4	6.35	3/4	2-1/2	1
816.095.11		10	3/8	9.52	1	3-1/16	2
	816.627.11	10	1/2	12.7	1-1/4	4	2
10 PCS. IN MASTERPACK							
816.064.11-X10			1/4	6.35	3/4	2-1/2	1
	816.627.11-X10		1/2	12.7	1-1/4	4	2

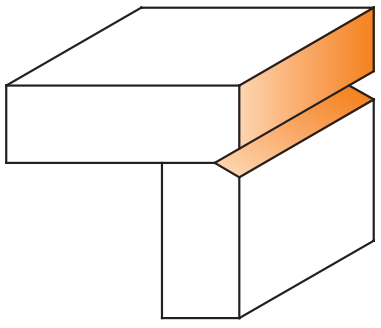


853

CARBIDE TIPPED | T2 | 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.

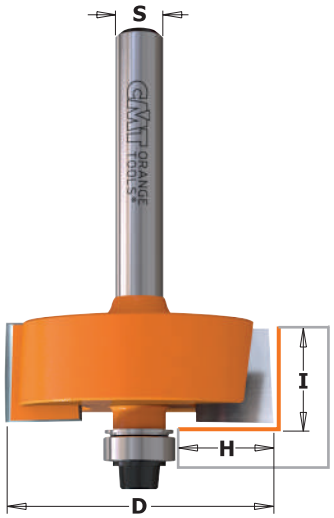


Drawing is 1:1 scale

ORDER NO. S=Ø1/4" shank	ORDER NO. S=Ø1/2" shank		d inches	d mm	D inches	I inches	L inches
853.001.11		10	1/2	12.7	3/4	1	2-41/64
	853.501.11	10	1/2	12.7	3/4	1	3-1/64

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

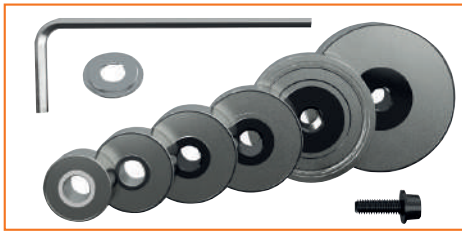


835

CARBIDE TIPPED · T2 · RH

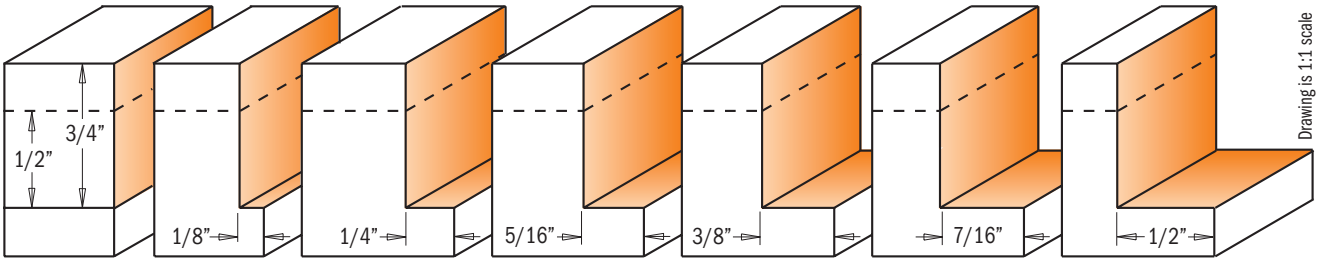
CMT rabbeting sets include one rabbeting bit, 6 interchangeable ball bearing guides, fastening screws, shields and an Allen Key. In order to change cutting depth, substitute the bearing.

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.

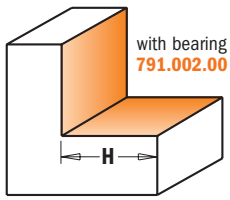
ORDER NO. S=Ø1/4" shank	ORDER NO. S=Ø1/2" shank		H inches	H mm	D inches	I inches
835.001.11	835.501.11	5	0 to 1/2	0 - 12.7	1-3/8	1/2
	835.502.11	5	0 to 1/2	0 - 12.7	1-3/8	3/4



Rabbeting Bits with Insert Knives

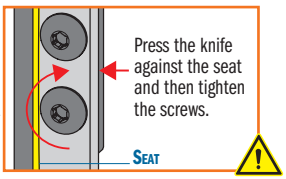


Standard



Drawing is 1:1 scale

CORRECT KNIFE POSITIONING



660

INSERT CARBIDE · T2 · RH · 4X CUTTING

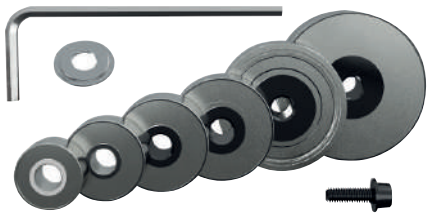
Rabbeting bits for creating cabinet doors, backsides and drawer fronts. Every bit is equipped with a standard bearing (791.002.00), but other bearings are also available in order to craft a variety of rabbeting widths. For use on chipboard, wood or MDF.

SAFETY TIPS:



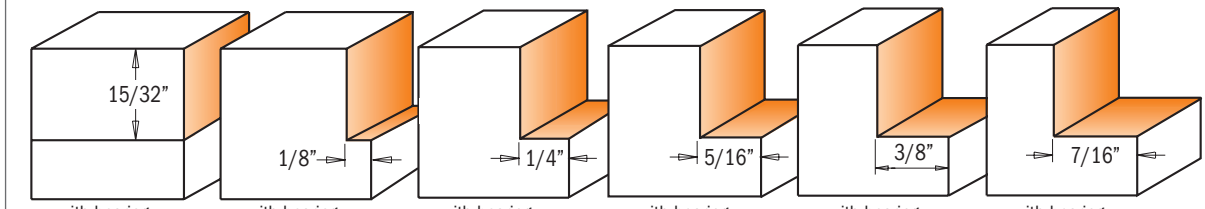
The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 323).

791.703.00 Optional



With this kit **791.703.00** *you can carry out all cutting depths below.*

Drawing is 1:1 scale



ORDER NO. S=Ø1/4" shank	ORDER NO. S=Ø1/2" shank		H inches	H mm	D inches	I inches	L inches
660.351.11		10	1/2	12.7	1-3/8	15/32	2-1/8
	660.851.11	10	1/2	12.7	1-3/8	15/32	2-33/64

Spare parts

790.120.00	990.422.00	791.002.00	991.061.00
790.120.00	990.422.00	791.002.00	991.061.00

Spare parts: **990.075.00** M4x6mm TORX® screw **990.058.00** 1/8"x3/8"x1/2" TCEI screw

® Brand names mentioned in CMT products are the property of their respective owners (see page 376)

The CMT Grand Rabbet Set

CMT ORANGE TOOLS®

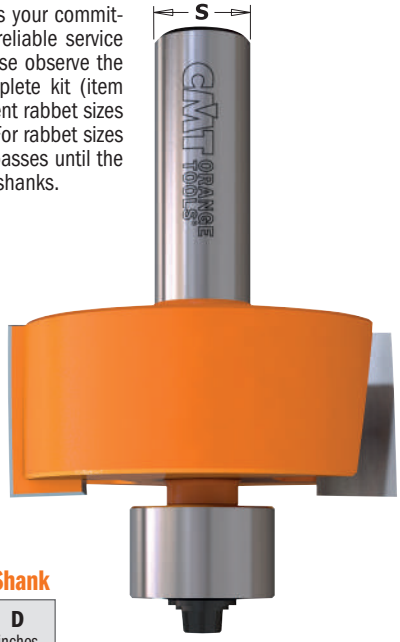
CARBIDE TIPPED | α | T2 | RH



PACK QTY. 1 PC

"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 **835.503.11**), will enable you to produce 17 different rabbet sizes including rabbets for under-sized plywood applications. For rabbet sizes over 1/2" (12.7mm), make the cuts in several shallow passes until the desired depth is achieved. Available in 1/2" (12.7mm) shanks.





835.503.11

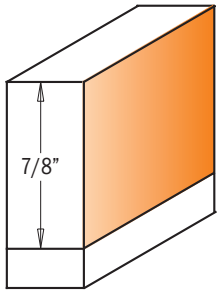
1/2" Shank

SET CONTAINS	ORDER NO. S=Ø1/2" shank	H inches	H mm	D inches
Rabbeting bit	**835.990.11**	5/8	15.87	2

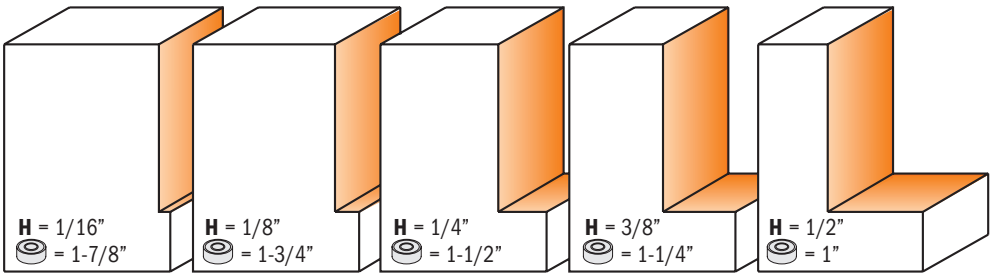
791.705.00 5 pcs. collar set (1/16" - 1/8" - 1/4" - 3/8" - 1/2" rabbets)
791.706.00 5 pcs. collar set (3/16" - 5/16" - 7/16" - 9/16" - 11/16" rabbets)
791.707.00 5 pcs. collar set (15/64" - 23/64" - 15/32" - 19/32" - 23/32" rabbets)
799.517.00 2" collar for Flush Trim

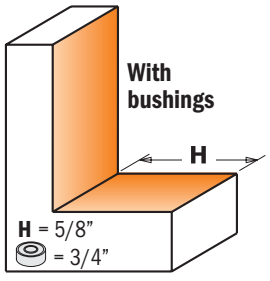
835.990

2" Collar Flush Trim order no.
799.517.00

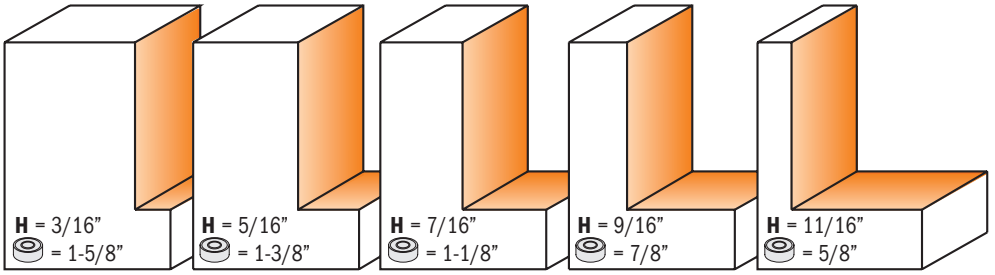


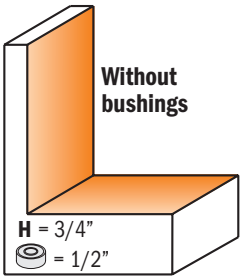
Order no. **791.705.00**



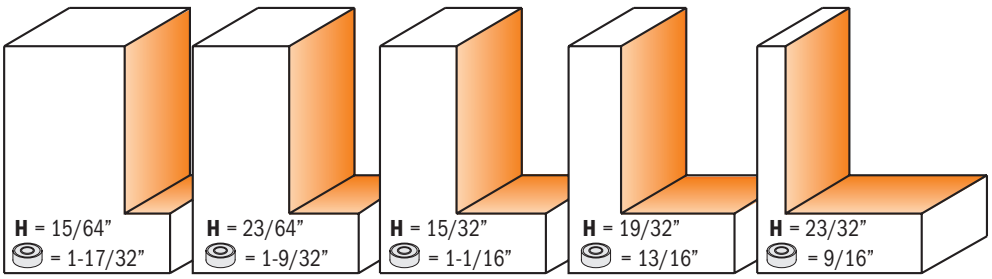


Order no. **791.706.00**

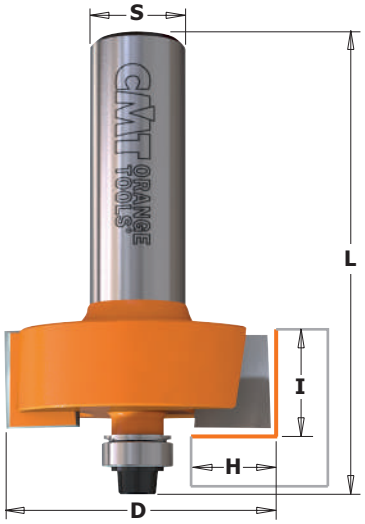




Order no. **791.707.00**



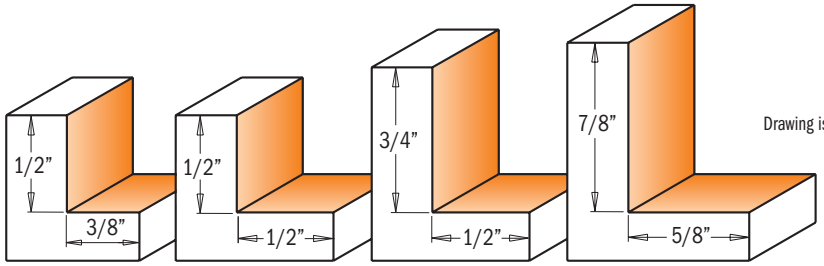
Drawing is 1:1 scale



835

CARBIDE TIPPED · T2 · RH

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

ORDER NO. S=Ø1/4" shank	ORDER NO. S=Ø1/2" shank		H inches	H mm	D inches	I inches	L inches
835.317.11		10	3/8	9.52	1-1/4	1/2	2-5/16
	835.817.11	10	3/8	9.52	1-1/4	1/2	2-13/32
835.350.11	835.850.11	10	1/2	12.7	1-3/8	1/2	2-11/32
	835.851.11	10	1/2	12.7	1-3/8	3/4	2-19/32
	835.990.11	10	5/8	15.87	2	7/8	3-1/16

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
990.408.00	791.010.00	990.058.00	991.057.00

Spare parts: **541.514.00** 2mm spacer (for 835.990.11)
799.503.00 3/4" bushings (for 835.990.11)

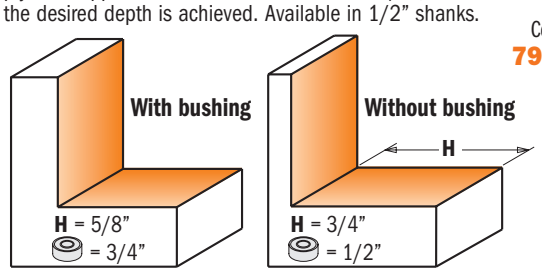
Grand Rabbeting Bits with Insert Knives



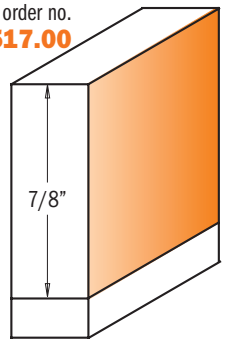
660.9

INSERT CARBIDE · T2 · RH · 2X CUTTING

"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 1/2", make the cuts in several shallow passes until the desired depth is achieved. Available in 1/2" shanks.

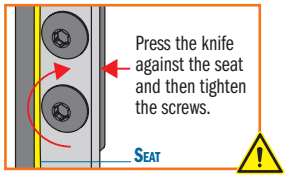


Collar order no. **799.517.00**



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 323).

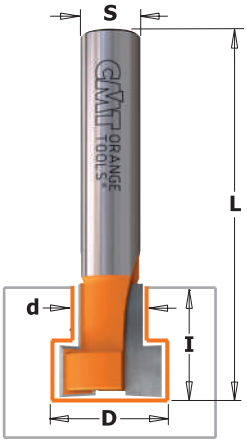
ORDER NO. S=Ø1/2" shank		H inches	H mm	D inches	I inches	L inches
660.991.11	10	5/8	15.87	2	1-1/8	3-3/8

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)



850.0_5

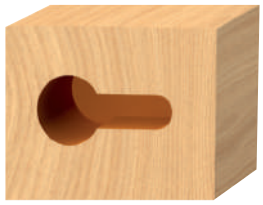
SOLID CARBIDE | CARBIDE TIPPED | T1 | T2 | RH

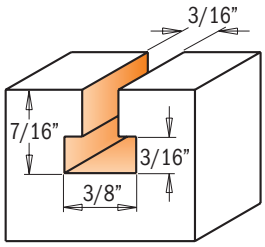
This keyhole bit allows you to craft perfect holes that will keep your frames, plaques or any wall hanging perfectly straight, as if floating on the wall. The bit bores an entry hole in the wood, then proceeds to cut a 3/16" hole and finishes by boring a larger opening under the surface.

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.







Drawing is 1:1 scale

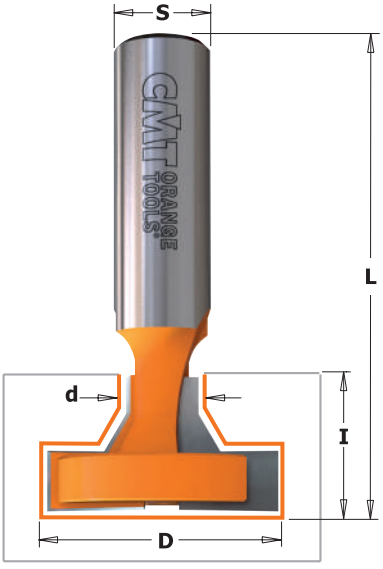


850.501.21
3/8" shank

ORDER NO. S=Ø1/4" shank	ORDER NO. S=Ø1/2" shank		D inches	D mm	d inches	l inches	L inches	S inches
850.001.11	850.501.11	10	3/8	9.52	3/16	7/16	2-1/8	
•850.501.21		10	3/8	9.52	3/16	7/16	2-9/16	3/8

• **Solid Carbide**

T-Slot Bits

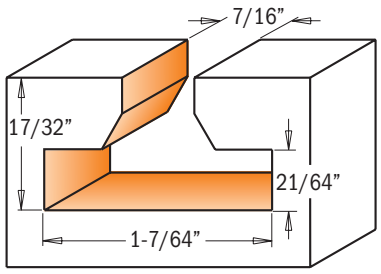


850.6

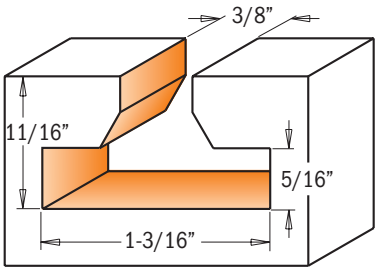
CARBIDE TIPPED | T2 | RH

The perfect bit for crafting wall panel slots. This bit is not designed for plunging operations. For best results, use in CNC machinery and table-mounted routers.

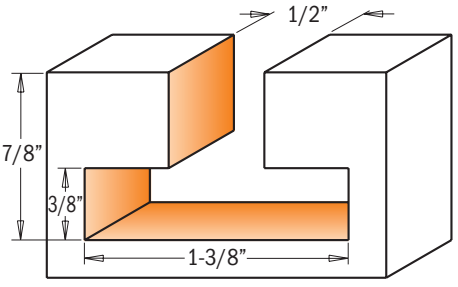
ORDER NO. S=Ø1/2" shank		D inches	D mm	d inches	l inches	L inches
850.603.11	10	1-7/64	28	7/16	17/32	2-7/32
850.601.11	10	1-3/16	30	3/8	11/16	2-3/8
850.602.11	10	1-3/8	34.9	1/2	7/8	2-1/2



850.603.11



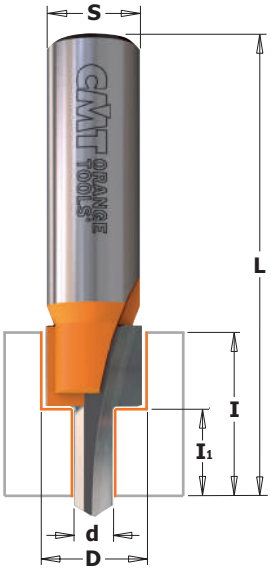
850.601.11



850.602.11

Drawing is 1:1 scale

CMT ORANGE TOOLS®



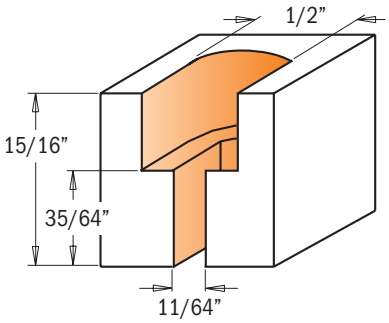
813.601.11

813

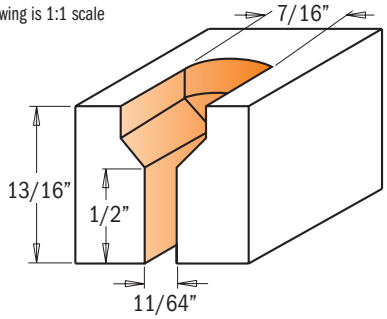
CARBIDE TIPPED T2 RH

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.

Both have 1/2" shank and the codes **813.701.11** are for countersink screws, while the codes **813.601.11** are for counterbored screws.

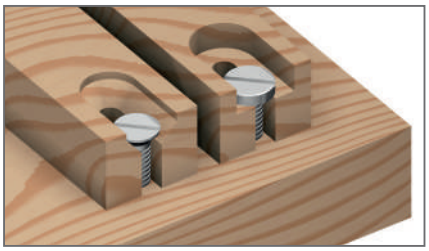


Drawing is 1:1 scale



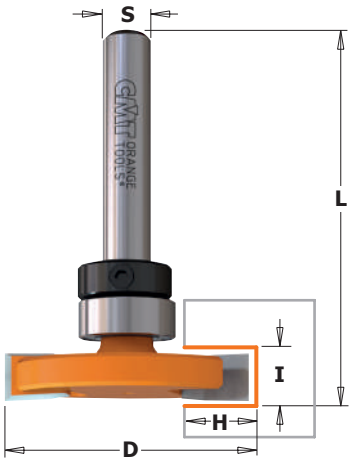


813.701.11



ORDER NO. S=Ø1/2" shank		D inches	D mm	d inches	l_1 inches	l inches	L inches
813.701.11	10	7/16	11.1	11/64	1/2	13/16	2-1/2
813.601.11	10	1/2	12.7	11/64	35/64	15/16	2-1/2

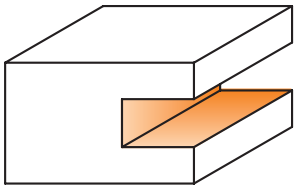
Flooring Router Bits

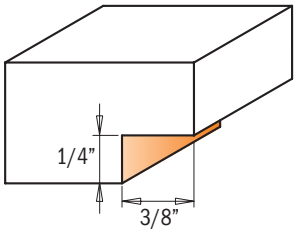


822.023B - 822.024B

CARBIDE TIPPED T2 RH

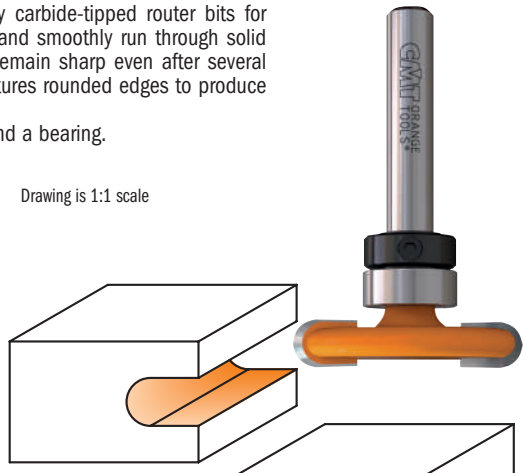
CMT now offers you these industrial quality carbide-tipped router bits for flooring and inlay applications. They easily and smoothly run through solid and timber wood while cutting edges and remain sharp even after several passes **822.024.11B** item number also features rounded edges to produce 1/8" radius inlays.
These bits are equipped with a stop collar and a bearing.



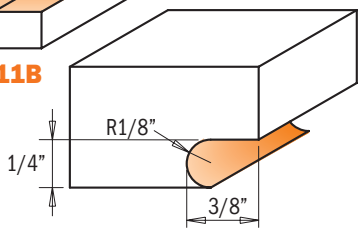


822.023.11B

Drawing is 1:1 scale



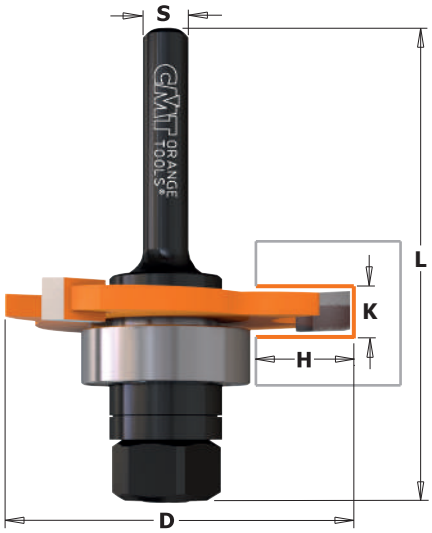
822.024.11B

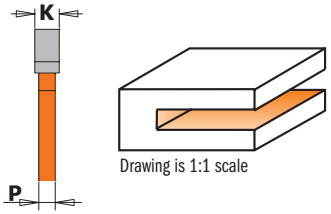


ORDER NO. S=Ø1/4" shank		D inches	D mm	I inches	H inches	R inches	L inches
822.023.11B	10	1-1/4	31.75	1/4	3/8		1-7/8
822.024.11B	10	1-1/4	31.75	1/4	3/8	1/8	1-7/8

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





Drawing is 1:1 scale

822A/B

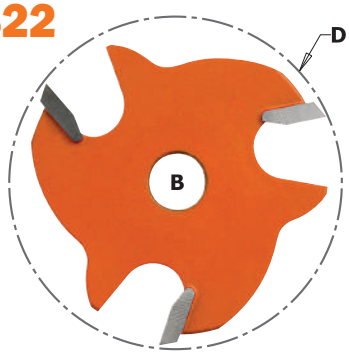
CARBIDE TIPPED T3 RH

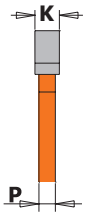
These Slot Cutters are great for splines, biscuits, T-molding & more. For biscuit joining use the 5/32" cutter. Available as a cutter only, or with your choice of 1/4" or 1/2" diameter arbor with a 7/8" diameter bearing for cutting depth up to 1/2".

NOTE: for 9.5mm or 6.35mm depths, you can order the bearing kit **791.711.00** (with 28.5mm - 34.9mm diameters).

ORDER NO. S=Ø1/4" shank	ORDER NO. S=Ø1/2" shank		K inches	K mm	D inches	H inches	P inches	L inches
822.316.11A		10	1/16	1.6	1-7/8	1/2	0.043	2-13/32
	822.316.11B	10	1/16	1.6	1-7/8	1/2	0.043	2-21/32
822.320.11A		10	5/64	2	1-7/8	1/2	0.051	2-13/32
	822.320.11B	10	5/64	2	1-7/8	1/2	0.051	2-21/32
822.324.11A		10	3/32	2.4	1-7/8	1/2	0.051	2-13/32
	822.324.11B	10	3/32	2.4	1-7/8	1/2	0.051	2-21/32
822.332.11A		10	1/8	3.2	1-7/8	1/2	0.051	2-13/32
	822.332.11B	10	1/8	3.2	1-7/8	1/2	0.051	2-21/32
822.340.11A		10	5/32	4	1-7/8	1/2	0.082	2-13/32
	822.340.11B	10	5/32	4	1-7/8	1/2	0.082	2-21/32
822.348.11A		10	3/16	4.8	1-7/8	1/2	0.114	2-13/32
	822.348.11B	10	3/16	4.8	1-7/8	1/2	0.114	2-21/32
822.360.11A		10	15/64	6	1-7/8	1/2	0.177	2-13/32
	822.360.11B	10	15/64	6	1-7/8	1/2	0.177	2-21/32
822.364.11A		10	1/4	6.35	1-7/8	1/2	0.177	2-13/32
	822.364.11B	10	1/4	6.35	1-7/8	1/2	0.177	2-21/32

822



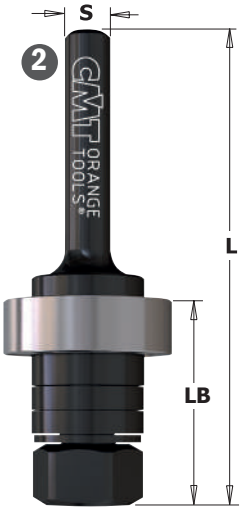


ORDER NO.		K inches	K mm	D inches	B mm	P inches
822.316.11	10	1/16	1.6	1-7/8	8	0.043
822.320.11	10	5/64	2	1-7/8	8	0.051
822.324.11	10	3/32	2.4	1-7/8	8	0.051
822.332.11	10	1/8	3.2	1-7/8	8	0.051
822.340.11	10	5/32	4	1-7/8	8	0.082
822.348.11	10	3/16	4.8	1-7/8	8	0.114
822.360.11	10	15/64	6	1-7/8	8	0.177
822.364.11	10	1/4	6.35	1-7/8	8	0.177

824.xxx.00



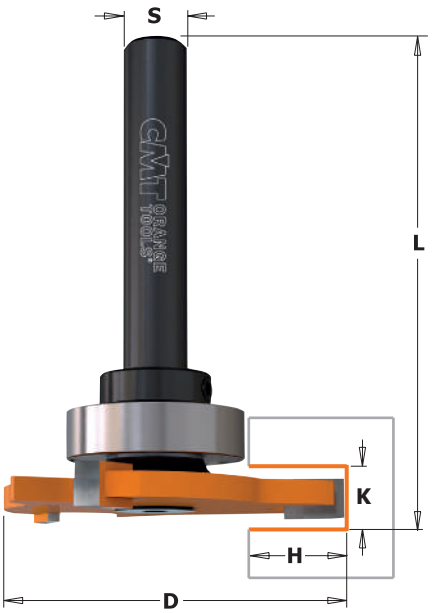
824.xxx.10



ORDER NO. S=Ø1/4" shank	ORDER NO. S=Ø1/2" shank		DESCRIPTION	LB inches	L inches
824.064.00		10	Slot cutter arbor without bearing	1-1/32	2-13/32
	824.127.00	10	Slot cutter arbor without bearing	1-1/32	2-21/32
824.064.10		10	Slot cutter arbor with bearing	1-1/32	2-13/32
	824.127.10	10	Slot cutter arbor with bearing	1-1/32	2-21/32

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

CMT ORANGE TOOLS®

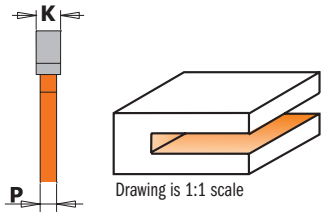


823B

CARBIDE TIPPED T3 RH

The uses of this bit are infinite: not only can you rout grooves and rabbets, but you can even create T or dovetail joints and create biscuit and spline recesses on wood panels. Each bit features three carbide-tipped cutters, orange coloured P.T.F.E. coating and anti-kickback design.

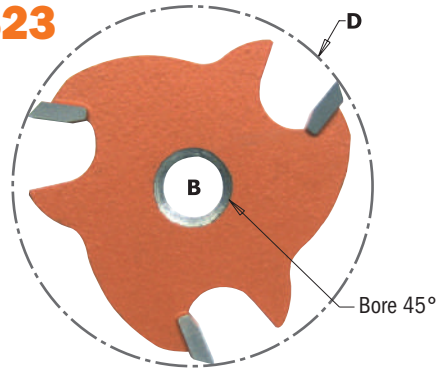
NOTE: This cutter comes with a Ø22mm bearing for 2.8mm depth cuts. By ordering different bearings this depth can be shortened.

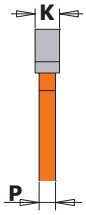


Drawing is 1:1 scale

ORDER NO. S=Ø1/2" shank		K inches	K mm	P inches	D inches	H inches	L inches
823.332.11B	10	1/8	3.2	0.050	1-7/8	1/2	2-17/64
823.340.11B	10	5/32	4	0.081	1-7/8	1/2	2-19/64
823.364.11B	10	1/4	6.35	0.175	1-7/8	1/2	2-25/64

823





These 3-wing carbide tipped slot cutters feature anti-kickback design and CMT's trademark orange P.T.F.E. Industrial Coating for carrying out lateral grooves. For use with cutter arbors **824** (Ø1/4" & Ø1/2").

ORDER NO.		K inches	K mm	P inches	D inches	B mm
823.332.11	10	1/8	3.2	0.050	1-7/8	8
823.340.11	10	5/32	4	0.081	1-7/8	8
823.364.11	10	1/4	6.35	0.175	1-7/8	8

824



with stop collar

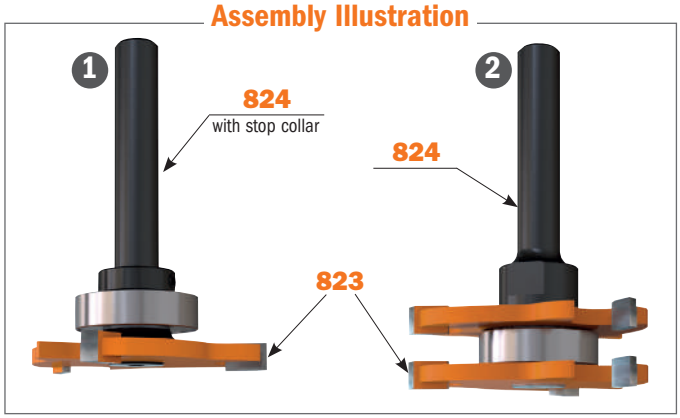
824.061.00
824.061.10
824.121.00
824.121.10

824



824.122.00
824.122.10

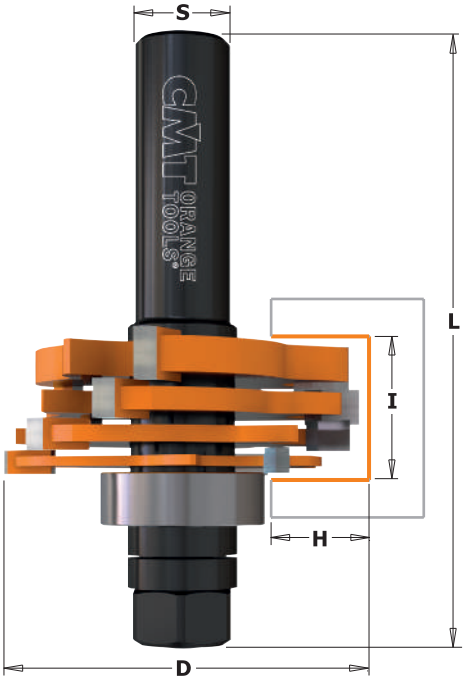
Assembly Illustration



ORDER NO. S=Ø1/4" shank	ORDER NO. S=Ø1/2" shank		DESCRIPTION
824.061.00	824.121.00	10	Slot cutter arbor without bearing/stop collar
824.061.10	824.121.10	10	Slot cutter arbor with bearing/stop collar
	824.122.00	10	Slot cutter arbor without bearing
	824.122.10	10	Slot cutter arbor with bearing

Spare parts:
791.012.00 Ø8-22mm bearing
541.001.00 Stop collar for Ø1/4" shanks
541.002.00 Stop collar for Ø1/2" shanks
791.013.00 Ø1/2" - 7/8" bearing
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

3-Wing Slot Cutter



800.506

CARBIDE TIPPED | T3 | RH

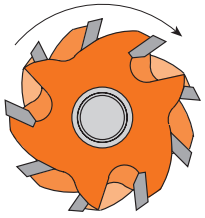
The Three Wing Slot Cutter Set routs slots, grooves and rabbets from 1/8" to 23/32" deep. Ideal for biscuit joints and milling perfect tongue and groove joints.

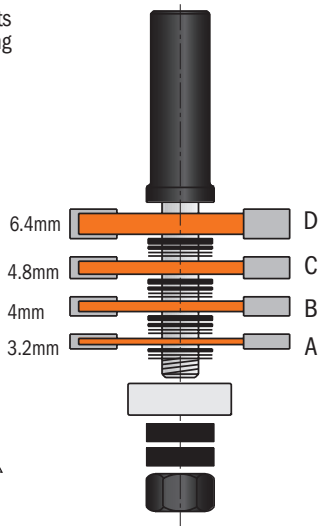
The set includes:
- 4 carbide tipped cutters 1/8", 5/32", 3/16", 1/4"
- 1 arbor 1/2"
- 1 ball bearing (22mm) for 1/2" cut.
- 17 shims: (8 x 0.1mm, 4 x 0.5mm, 3 x1mm, 2 x 4mm).

SAFETY PRECAUTIONS:
never use without shims between the cutters and between the cutter & bearing.

SHOP TIPS:
the bearings kit **791.711.00** reaches 1/4" and 3/8" cutting depth.

NOTE: the carbide edges of the cutters must never touch; arrange the shims as illustrated here. 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 inches		inches
A	0.126		
B	0.157		
C	0.189		
D	0.252		
A + B	0.252	to	0.279
A + C	0.283	to	0.311
A + D	0.346	to	0.374
B + C	0.315	to	0.342
B + D	0.378	to	0.405
C + D	0.409	to	0.437
A + B + C	0.409	to	0.464
A + B + D	0.468	to	0.523
A + C + D	0.500	to	0.555
B + C + D	0.531	to	0.586
A + B + C + D	0.626	to	0.708

Use shims to adjust cut width: MIN. 0.039" - MAX 0.066"

ORDER NO. S=Ø1/2" shank		I inches	I mm	D inches	H inches	L inches
800.506.11	10	1/8 to 23/32	3.2-18	1-7/8	1/2	3-3/16

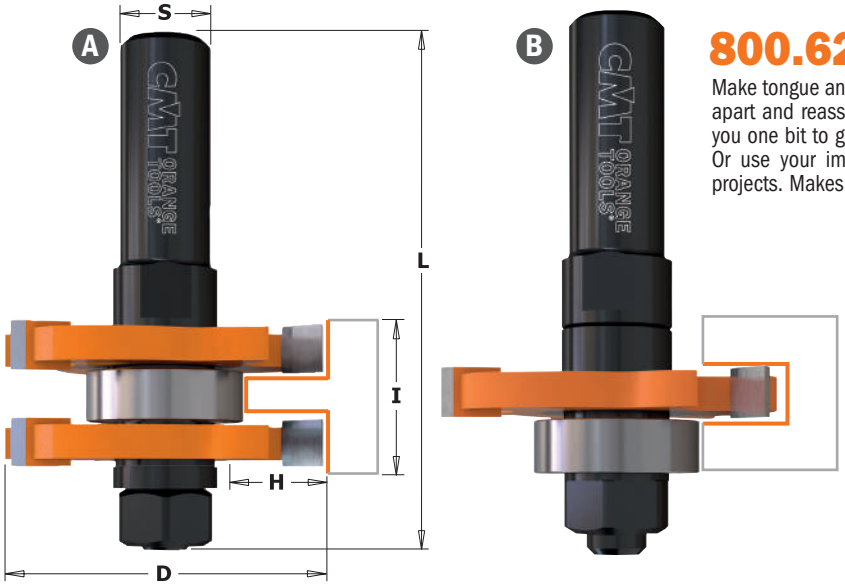
Spare parts

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 spacer
541.501.00 4mm spacer

Optional: **791.711.00** 2 pcs bearing set for depth variations 1-1/8" & 1-3/8"

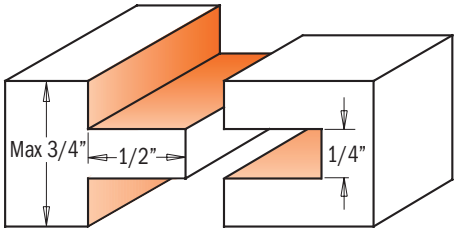
Tongue & Groove Set



800.626

CARBIDE TIPPED | T3 | 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 3/4" thickness.



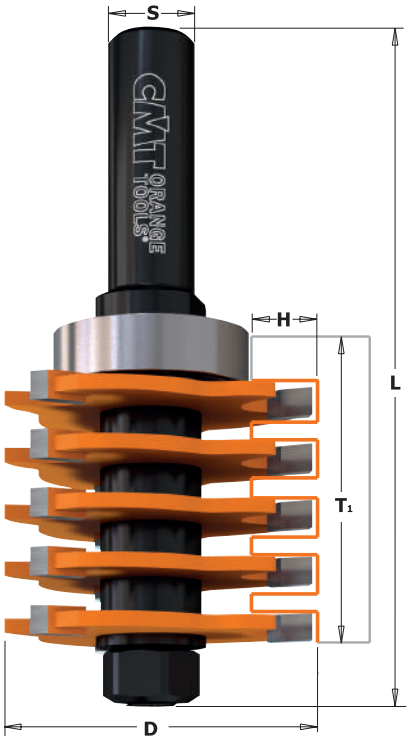
Drawing is 1:1 scale

ORDER NO. S=Ø1/2" shank		I inches	I mm	D inches	H inches	L inches	PROFILE
800.626.11	5	3/4	19.05	1-7/8	1/2	2-51/64	A+B
800.626.11M	10	3/4	19.05	1-7/8	1/2	2-51/64	A

Spare parts

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

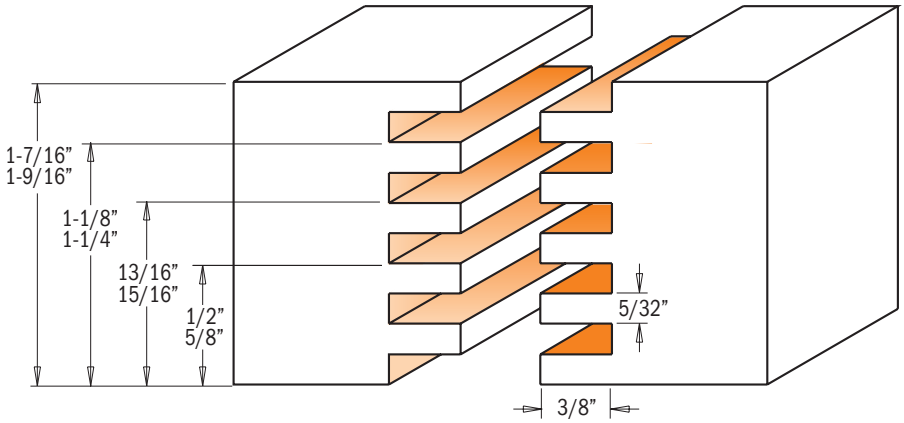


800.616

CARBIDE TIPPED | T3 | 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 3/8" cutting depth.
For further cutting depths you need to use a fence.

Drawing is 1:1 scale



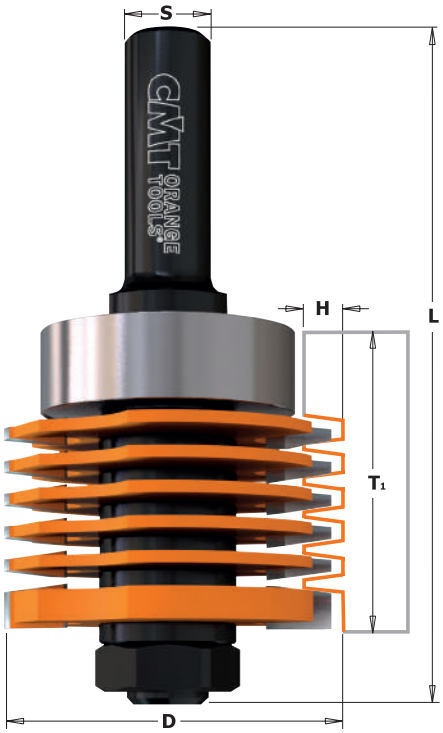
ORDER NO. S=Ø1/2" shank		D inches	D mm	H inches	T1 inches	L inches
800.616.11	5	1-7/8	47.6	3/8	1/2 - 1-9/16	3-13/16

Spare parts

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** Ø1-1/2" bearing (for depth 3/16")
791.029.00 Ø1-3/8" bearing (for depth 1/4")
791.015.00 Ø1-1/4" bearing (for depth 5/16")
791.011.00 Ø3/4" bearing (for depth 9/16")

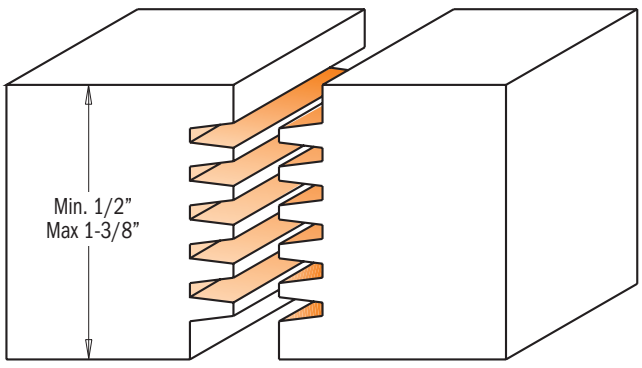


Professional Finger Joint Bit

800.606

CARBIDE TIPPED | T2 | 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 1/2" to 1-3/8".
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

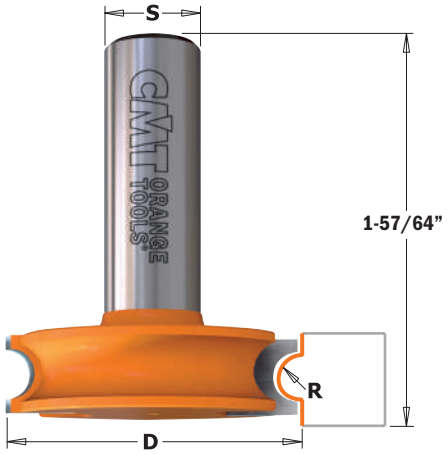
ORDER NO. S=Ø1/2" shank		D inches	D mm	H inches	T1 inches	L inches
800.606.11	5	1-7/8	47.6	7/32	1/2 - 1-3/8	3-13/16

Spare parts

824.129.00	791.028.00	822.005.11 (5/4")	822.006.11 (7/32")	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

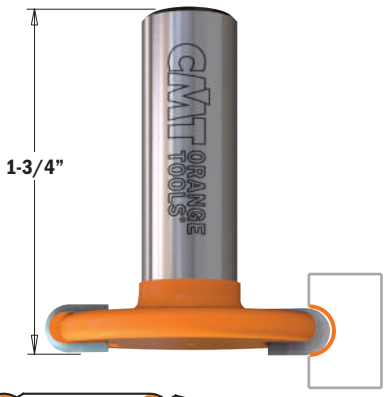
Flute & Bead Set

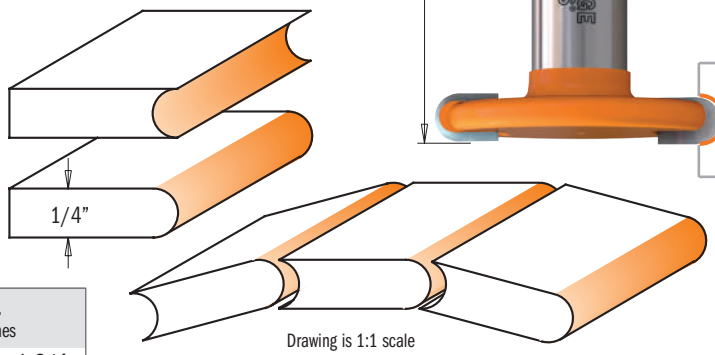


855.701

CARBIDE TIPPED | T2 | 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 1/4” slats as shown below.

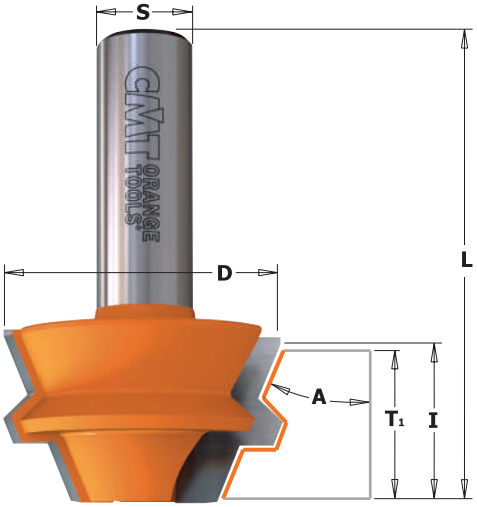




Drawing is 1:1 scale

ORDER NO. S=Ø1/2” shank		R inches	R mm	D inches	L inches
855.701.11	5	1/8	3.2	1-1/2	1-57/64 - 1-3/4

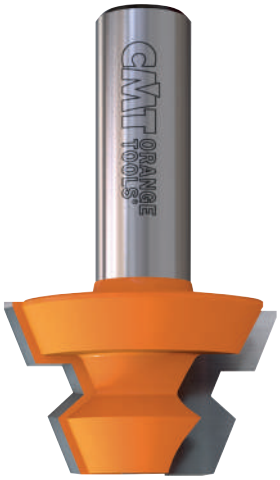
Lock Miter Set

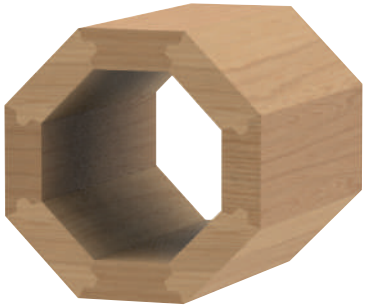


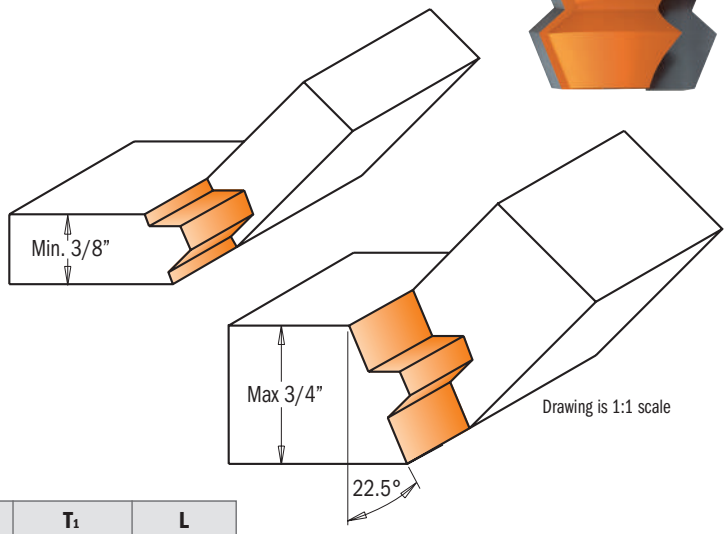
855

CARBIDE TIPPED | T2 | 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

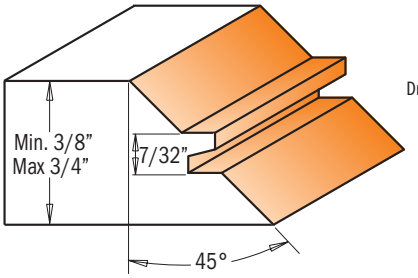
ORDER NO. S=Ø1/2” shank		D inches	D mm	I inches	A	T1 inches	L inches
855.505.11	5	1-15/32	37.3	7/8	22.5°	3/8 - 3/4	2-3/8

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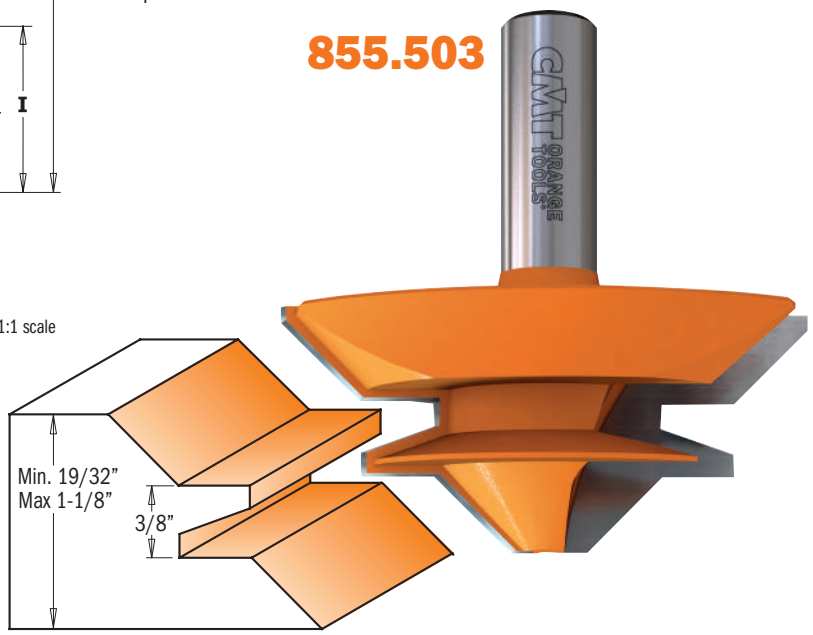
CARBIDE TIPPED | T2 | RH

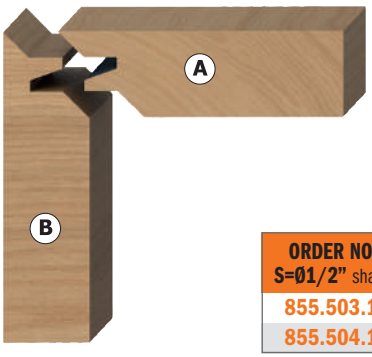


These are the ultimate bits to craft sturdy miter joints thanks to anti-kickback design and tough tungsten carbide cutting edges.
By adding a second smaller bit, you can mill anywhere from 3/8" to 1-1/8" (9.52mm to 28.5mm) in thickness. A quick and easy way to accurately create boxes, stretcher bars, 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



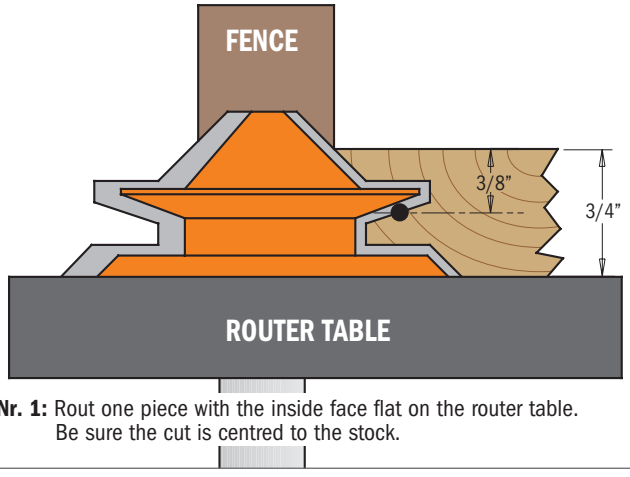




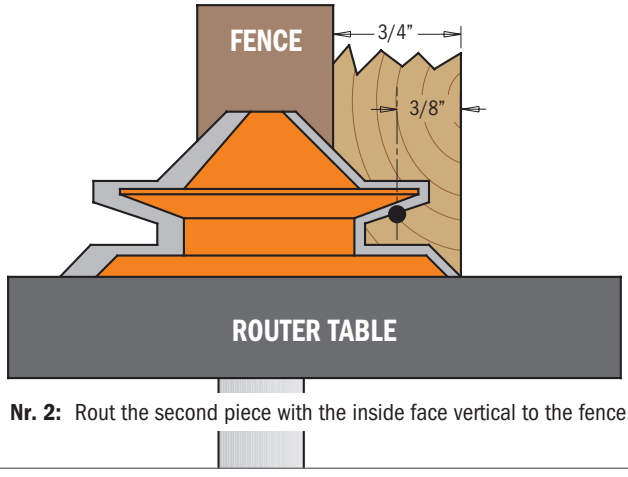
ORDER NO. S=Ø1/2" shank		D inches	D mm	I inches	A	T1 inches	L inches
855.503.11	5	2-3/4	69.8	1-1/4	45°	5/8 - 1-1/8	2-3/4
855.504.11	5	2	50.8	7/8	45°	3/8 - 3/4	2-3/8

MITER AND GLUE JOINTS WITH THE LOCK MITER BIT

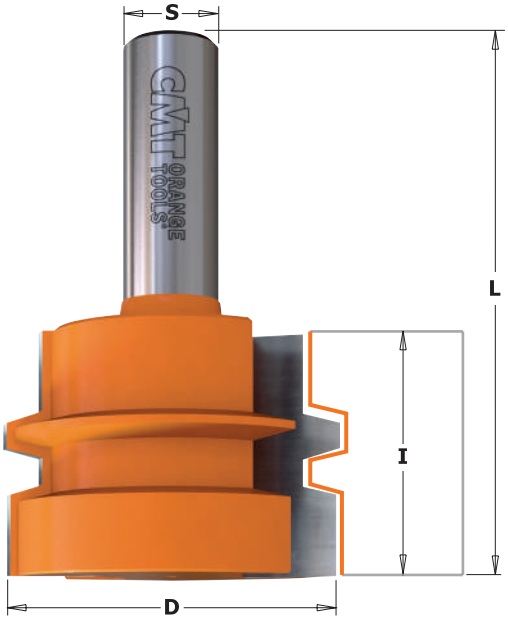
Example shown below is made using Lock Miter Bit **855.503.11** and 3/4" stock.



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.

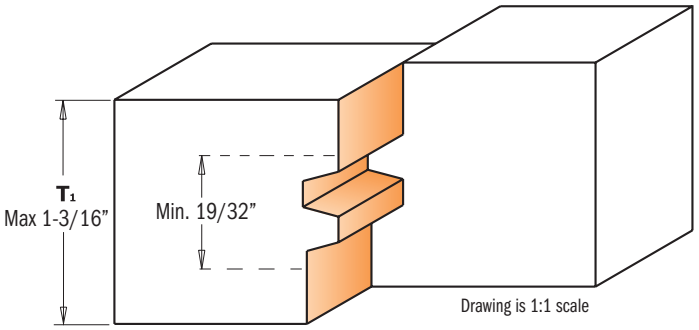


855.501

CARBIDE TIPPED | T2 | 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 212-213, “ABC’s 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!

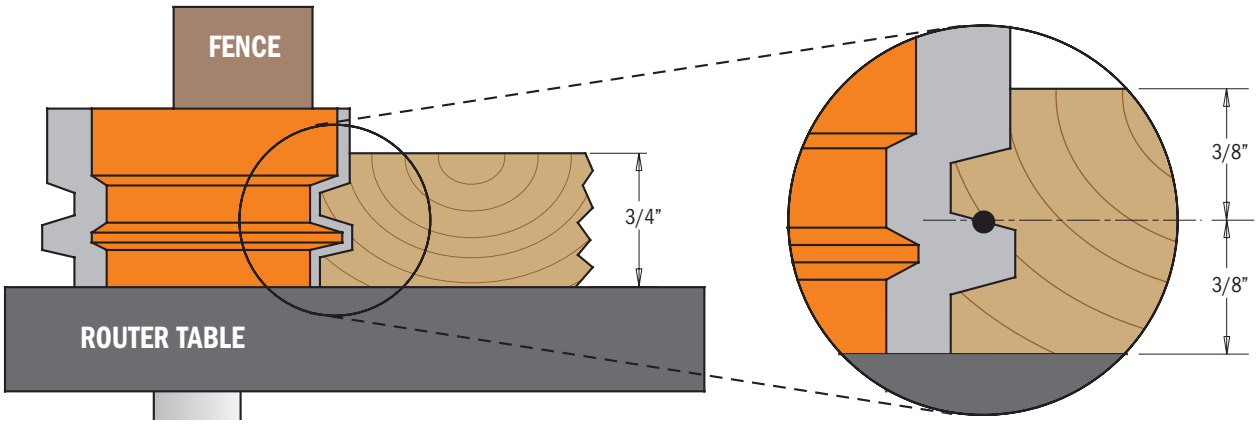
SHOP TIPS: When glueing, apply enough pressure to securely seal the joint. Insufficient pressure results in a weak joint and excessive pressure will distort the wood.





ORDER NO. S=Ø1/2” shank		D inches	D mm	I inches	T1 inches	L inches
855.501.11	10	1-3/4	44.5	1-1/4	19/32 - 1-3/16	2-49/64

IN THIS EXAMPLE WE USED A 3/4” 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.

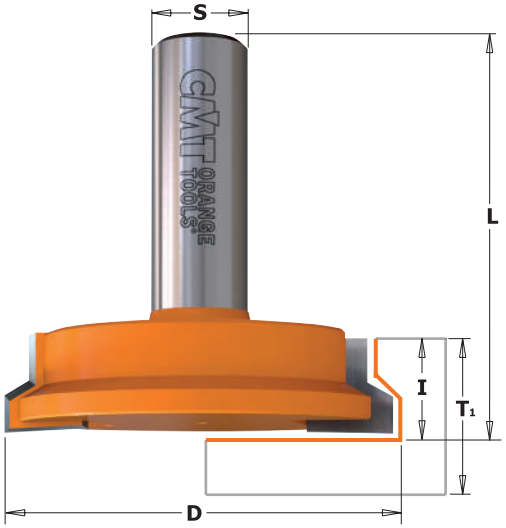
CMT ORANGE TOOLS®

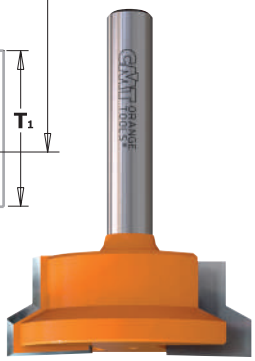
CARBIDE TIPPED | α | T2 | RH

855

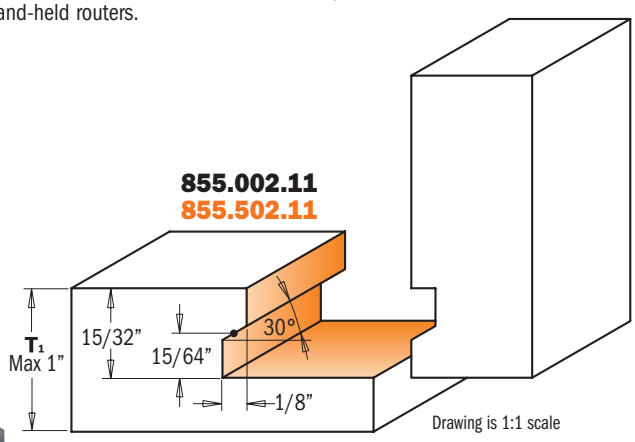
With CMT drawer lock bits you can make strong, perfectly fitted joints quickly and easily. Follow the example below to create perfect drawers.

WARNING! These bits are to be used on router tables only with a fence.
Do not use on hand-held routers.



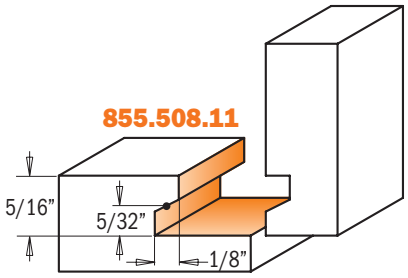


855.002.11
855.502.11

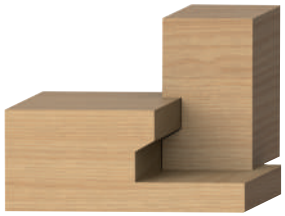


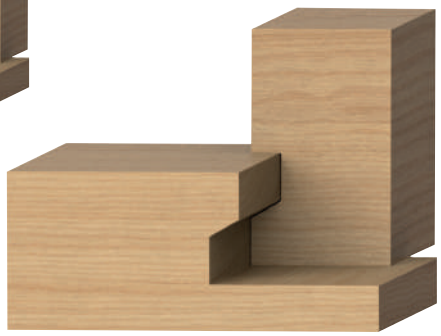
Drawing is 1:1 scale

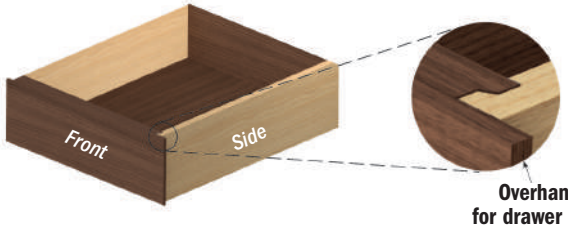
855.508.11



Drawing is 1:1 scale

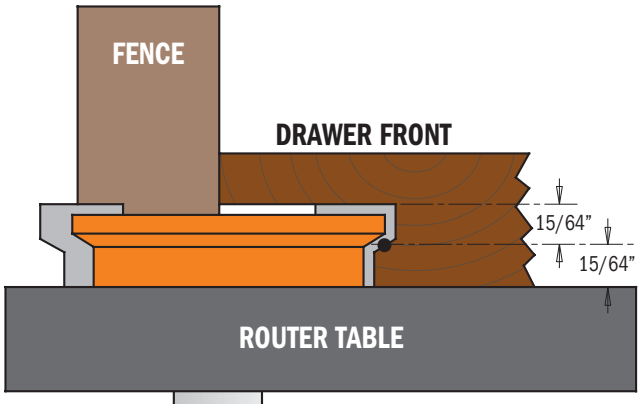


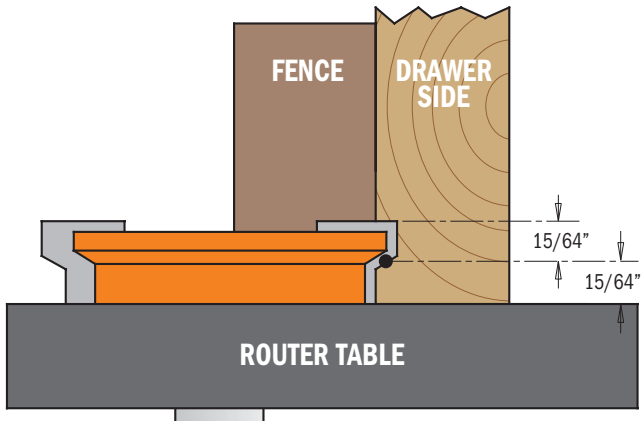




Overhang for drawer stop

ORDER NO. S=Ø1/4" shank	ORDER NO. S=Ø1/2" shank		D inches	D mm	T1 min. inches	T1 max inches	I inches	L inches
	855.508.11	10	1	25.4	3/8	5/8	1/2	2-1/8
855.002.11		10	1-1/4	31.7	5/8	1	1/2	1-3/4
	855.502.11	10	2	50.8	5/8	1	1/2	2





Mill the drawer front with the inside face down on the router table. Mill the sides of the drawer with the inside face of the workpiece placed vertically in relation to the bit and fence, and perpendicular to the table. Make a few test cuts on scrap stock to test your setup.
For use on router tables only. Not to be used with hand held routers.

Ovolo Sash Bits

CMT ORANGE TOOLS®

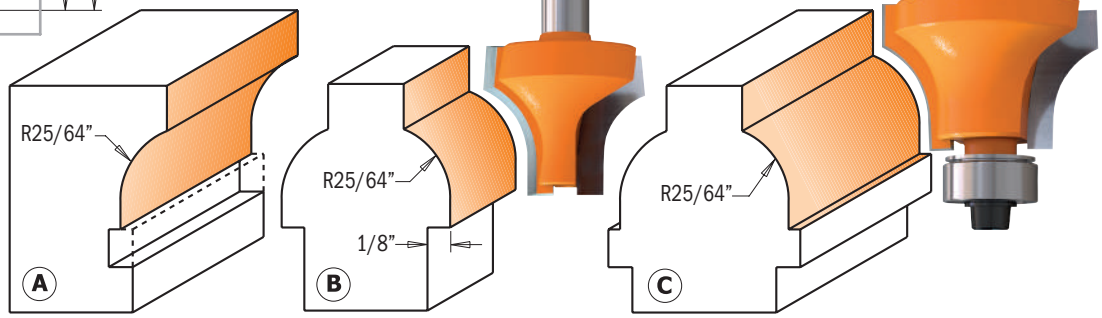
CARBIDE TIPPED | T2 | RH



855.3

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

ORDER NO. S=Ø1/4" shank		D inches	D mm	I inches	R inches	L inches	PROFILE
855.307.11M	10	63/64	25	3/4	25/64	2	A
855.307.11F	10	7/8	22	3/4	25/64	2	B
855.308.11F	10	1-7/64	28	3/4	25/64	2-13/32	C

Spare parts

990.423.00	791.003.00	990.058.00	991.057.00

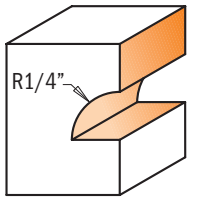
Ovolo Sash Set

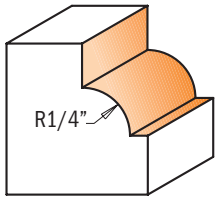
CARBIDE TIPPED | T2 | RH



855.802

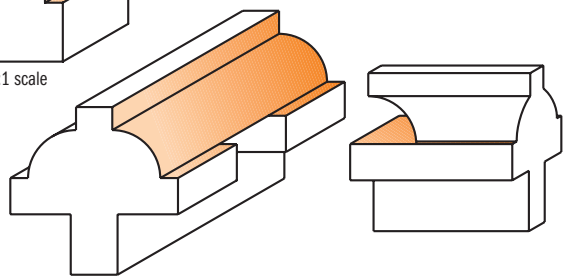






Drawing is 1:1 scale





ORDER NO. S=Ø1/2" shank		D inches	D mm	d inches	I inches	R inches
855.802.11	5	1-1/4	31.7	1-3/16	15/32	1/4

Spare parts

990.423.00	791.003.00	990.058.00	991.057.00	791.011.00	541.002.00

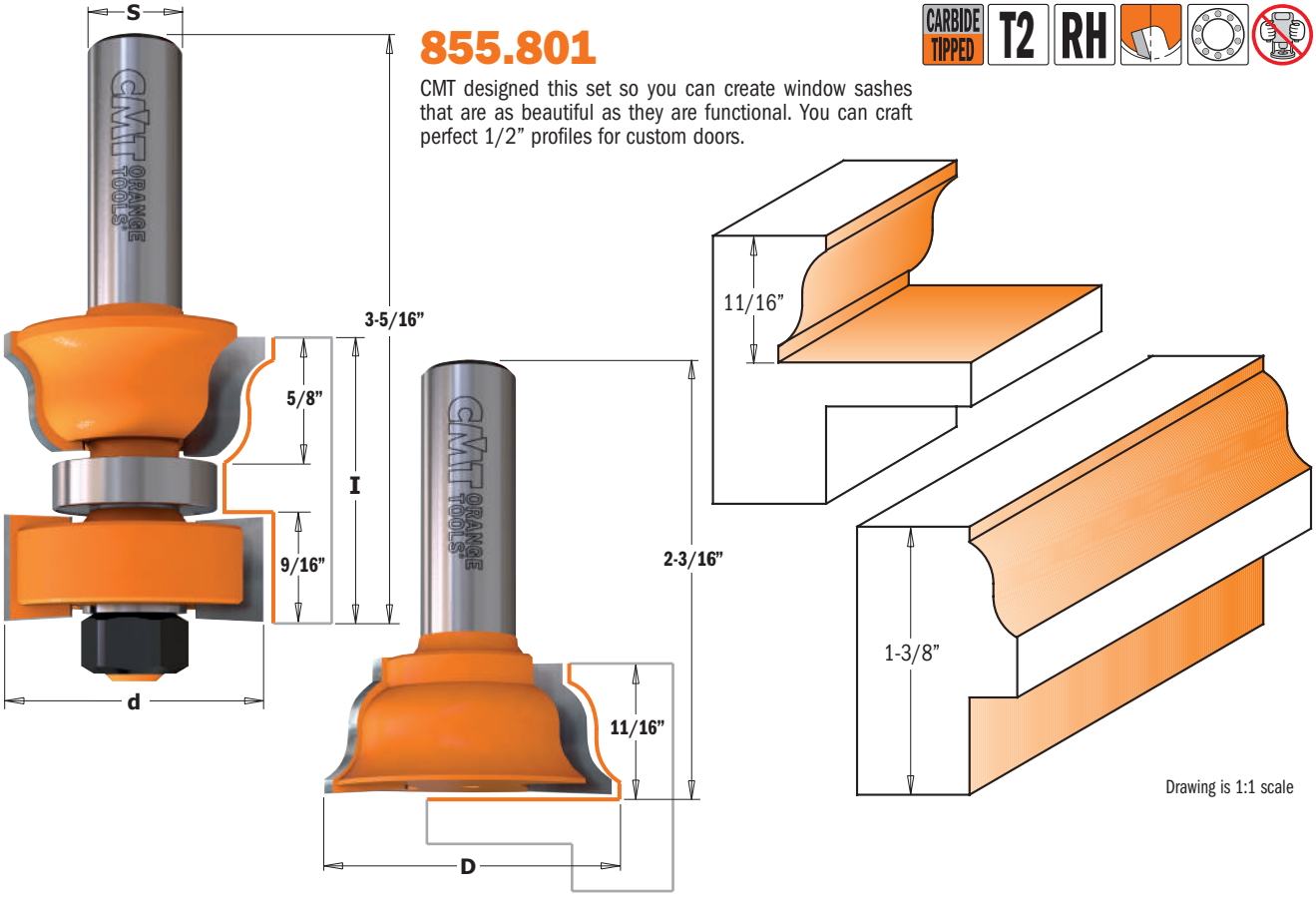
Spare parts: **991.056.00** 1.5mm hex key

CMT ORANGE TOOLS®

CARBIDE TIPPED | T2 | RH

855.801

CMT designed this set so you can create window sashes that are as beautiful as they are functional. You can craft perfect 1/2" profiles for custom doors.



Drawing is 1:1 scale

ORDER NO. S=Ø1/2" shank		D inches	D mm	d inches	l inches	L inches
855.801.11	5	1-1/2	38.1	1-3/8	1-3/8	3-5/16 - 2-3/16

Spare parts

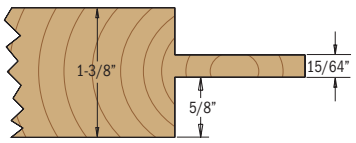
791.012.00	822.004.11	541.518.00	990.020.00

STEP-BY-STEP WINDOW SASH CONSTRUCTION

CMT set makes it easy!

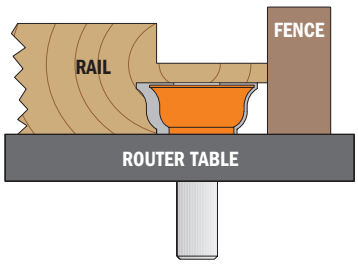
In our step-by-step example for window sash construction, we used the following:
- CMT Window Sash Set (item #855.801.11)
- stiles cut 1-3/8" thick
- rails cut 1-3/8" thick
- scrap stock

The CMT Window Sash Set was designed ideally for the construction of windows in 1-3/8" stock, however variations as narrow as 28mm can be used. Stock thicker than 1-3/8" 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.

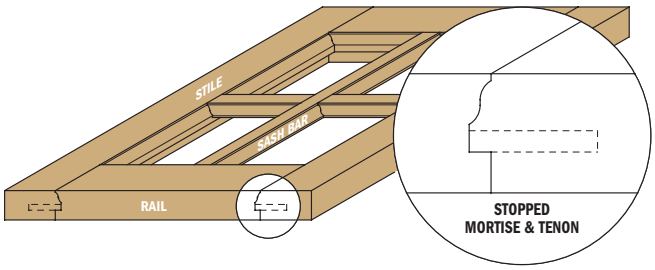


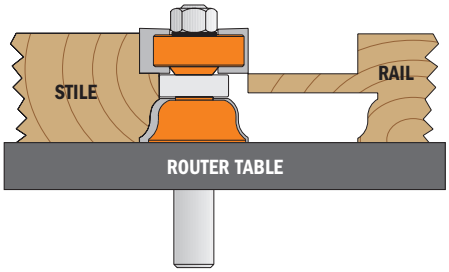
STEP 1 - Measurements and making the tenons. The ideal thickness of the stiles when using the CMT sash set is 1-3/8". The desired width of the stiles will determine the length you need to make your tenons, while the length of the stile will represent the desired full height of the sash. When cutting 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.

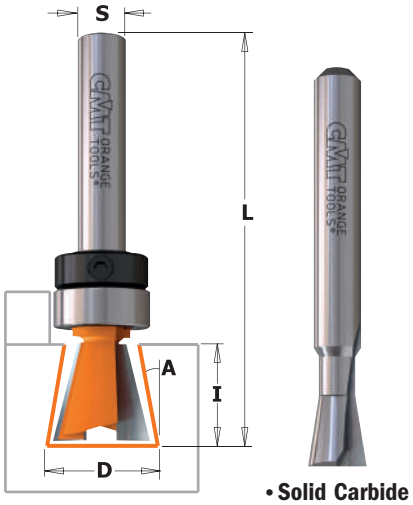
STEP 2 - Making the cope Profilee on rails, sash bar and muntins. To make the cope Profilee, place the rail face front down on the router table with the tenon flush to the bit as shown in illustration 2. Adjust the fence so the bit mills 1/4" deeper than the tenon. To mill the sash bar and the muntins (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.







818 - 818B

SOLID CARBIDE | CARBIDE TIPPED | T2 | RH

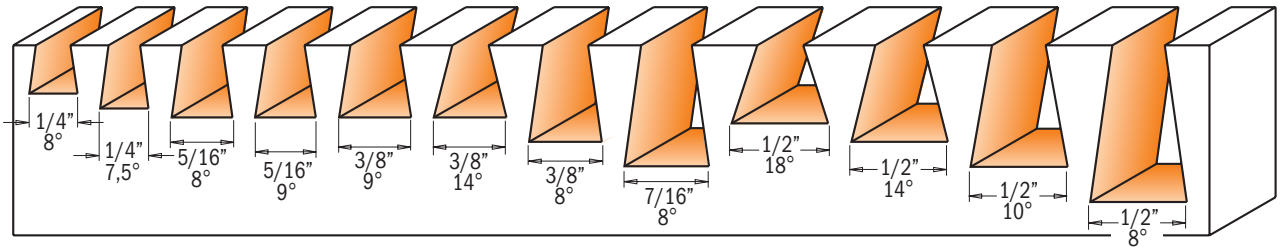
The beautifully crafted dovetail joint is a classic that appeals to both professionals and novices alike.

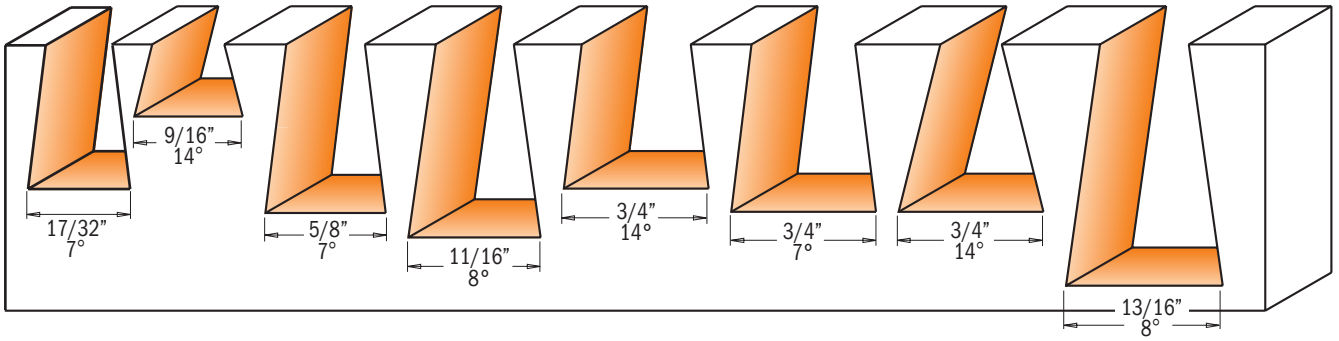
SHOP TIPS: Two passes are recommended when routing dovetails with a template. Check that the dovetails have been cut through completely and smoothly before removing the workpiece. For even easier routing and less stress on your dovetail bit, run the first pass with a straight bit. Use a dovetail on your router table equipped with a fence to achieve difficult chamfer angles.

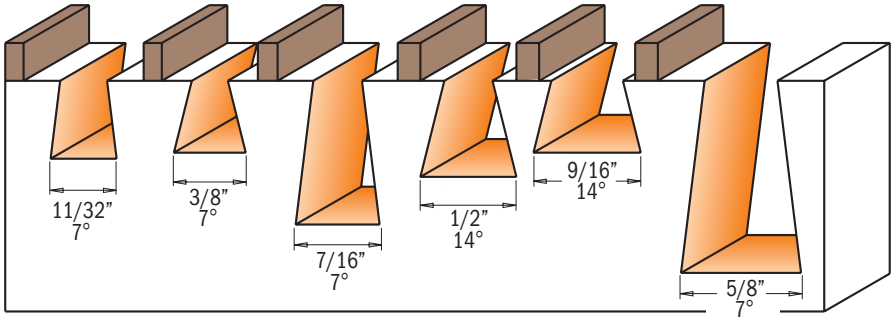
SAFETY TIPS: If the dovetail bit jams while working, adjust the position of the bit in the collet and ensure the cutting depth is appropriate. Do not lift the router out of the template.

• **Solid Carbide**

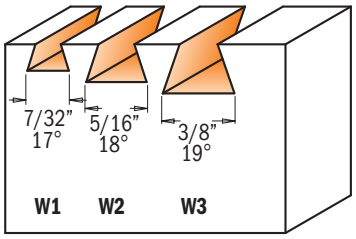
Drawing is 1:1 scale



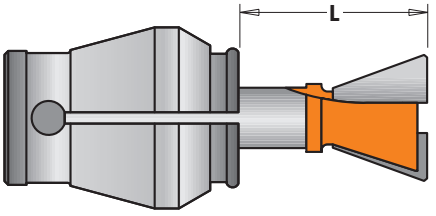




Fit Manufacturer Model	ORDER NO.
CMT-Enlock10	818.098.11B
CMT-Enlock15	818.128.11B
CMT300	818.128.11
	818.628.11



FIT HOFFMANN® KEYS



Manufacturer/Model FIT HOFFMANN® KEYS		ORDER NO.
W1	L=16mm	818.053.11
W2	L=17.5mm	818.079.11
W3	L=19mm	818.093.11

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CMT ORANGE TOOLS®

ORDER NO. S=Ø1/4" shank	ORDER NO. S=Ø1/2" shank		D inches	D mm	I inches	A	L inches	APPLICATION
•818.065.11		10	1/4	6.35	1/4	8°	2	*For Leigh Jig*
•818.064.11	•818.564.11	10	1/4	6.35	5/16	7.5°	2-1/2	*For Incra Jig*
•818.081.11		10	5/16	7.94	3/8	8°	2-1/8	*For Leigh Jig*
•818.080.11		10	5/16	7.94	3/8	9°	2-1/16	*For Incra Jig*
	•818.580.11	10	5/16	7.94	3/8	9°	2-1/2	*For Incra Jig*
•818.096.11		10	3/8	9.52	3/8	9°	2-1/16	*For Incra Jig*
	818.596.11	10	3/8	9.52	3/8	9°	2-1/2	*For Incra Jig*
•818.098.11		10	3/8	9.52	3/8	14°	2-3/8	
818.097.11		10	3/8	9.52	1/2	8°	2-3/8	*For Leigh Jig*
818.111.11		10	7/16	11.1	5/8	8°	2-3/8	*For Leigh Jig*
818.132.11		10	1/2	12.7	13/32	18°	2-3/8	*For Leigh Jig*
818.128.11		10	1/2	12.7	1/2	14°	2-1/16	*For Incra Jig*
	818.628.11	10	1/2	12.7	1/2	14°	2-1/2	*For Incra Jig*
818.130.11		10	1/2	12.7	1/2	14°	2-7/16	*For Leigh Jig*
818.133.11		10	1/2	12.7	5/8	10°	2-3/8	*For Leigh Jig*
818.129.11		10	1/2	12.7	13/16	8°	2-3/4	*For Leigh Jig*
	818.635.11	10	17/32	13.5	3/4	7°	2-27/64	*For PORTER-CABLE®*
818.142.11		10	9/16	14.2	3/8	14°	2	
818.158.11		10	5/8	15.87	7/8	7°	2-3/8	*For Incra Jig*
	818.658.11	10	5/8	15.87	7/8	7°	2-5/8	*For Incra Jig*
	818.674.11	10	11/16	17.4	1	8°	3-1/16	*For Leigh Jig*
	818.691.11	10	3/4	19.05	3/4	14°	3-1/16	
818.190.11		10	3/4	19.05	7/8	7°	2-3/8	*For Incra Jig*
	818.690.11	10	3/4	19.05	7/8	7°	2-5/8	*For Incra Jig*
818.191.11		10	3/4	19.05	7/8	14°	2-3/8	
	818.706.11	10	13/16	20.6	1-1/4	8°	3-5/16	*For Leigh Jig*
	818.722.11	10	7/8	22.2	7/8	7°	2-3/4	
WITH TOP BEARING GUIDE								
•818.087.11B		10	11/32	8.73	13/32	7°	2-1/4	
•818.098.11B		10	3/8	9.52	3/8	14°	2-3/8	*For CMT-Enlock1*
818.113.11B		10	7/16	11.1	3/4	7°	2-5/8	
818.128.11B		10	1/2	12.7	1/2	14°	2-1/16	*For CMT-Enlock1*
818.142.11B		10	9/16	14.2	3/8	14°	2	
***WITH TOP BEARING (Ø3/8" SHANK)**								
818.159.11B*		10	5/8	15.87	1	7°	2-11/16	
FIT HOFFMANN® KEYS								
•818.053.11		10	7/32	5.5	5/32	17°	1-11/16	*For HOFFMANN® W1*
•818.079.11		10	5/16	7.94	15/64	18°	1-11/16	*For HOFFMANN® W2*
•818.093.11		10	3/8	9.52	9/32	19°	1-11/16	*For HOFFMANN® W3*

818



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

Spare parts: **990.005.00** M3x3mm TSEI screw
991.056.00 1.5mm hex key

• **Solid Carbide**



A FEW OF THE BEAUTIFUL DOVETAIL JOINTS YOU CAN PRODUCE USING CMT BITS


Through Dovetail

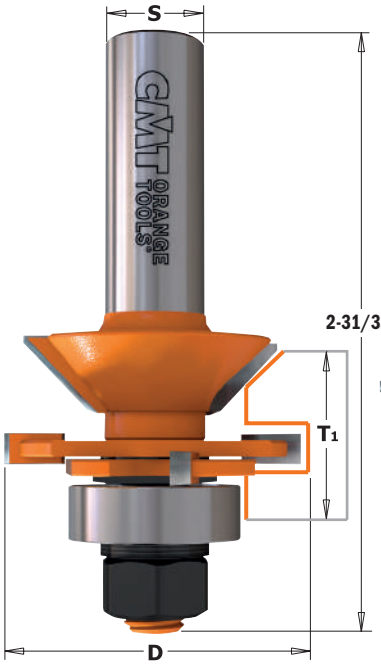

Half-Blind dovetail


Variable-Spaced Dovetail

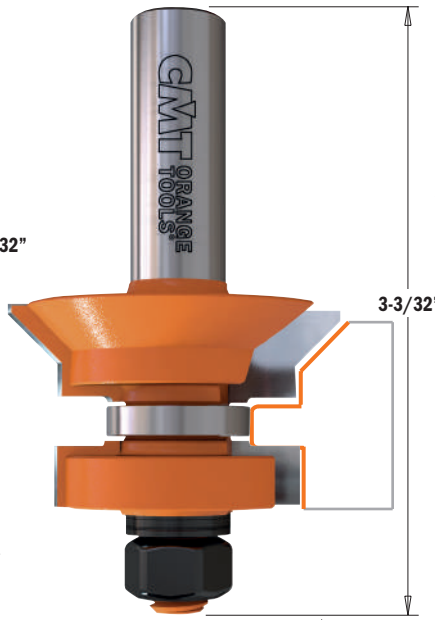

Sliding Dovetail

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V-Tongue & Groove Set

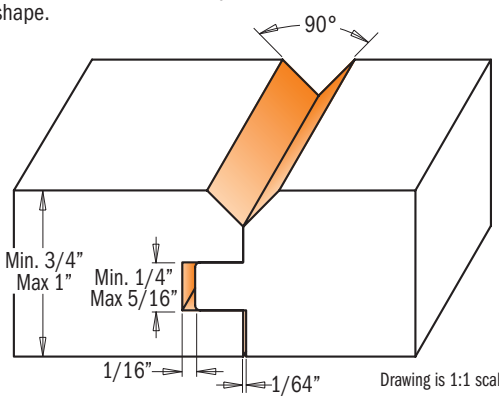


855.506



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.



Drawing is 1:1 scale

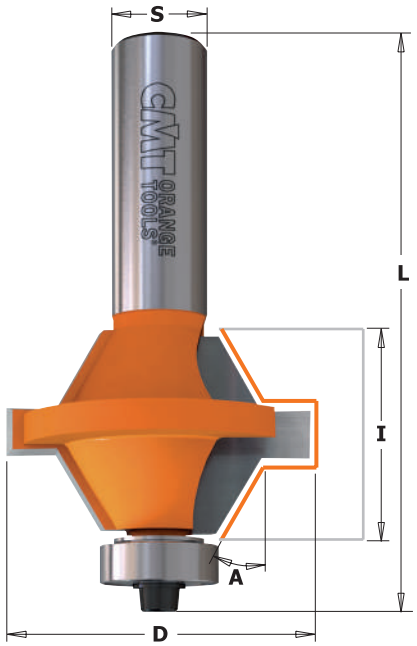
ORDER NO. S=Ø1/2" shank		D inches	D mm	T1 inches
855.506.11	10	1-3/4	44.5	3/4 - 1

Spare parts

8mm	4mm	3/4"	7/8"	
822.013.11	822.014.11	791.011.00	791.005.00	990.020.00

Spare parts: **541.515.00** 0.1mm spacer **541.517.00** 0.5mm spacer
541.516.00 0.3mm spacer **990.407.00** Shield

Edge Banding Bits Set



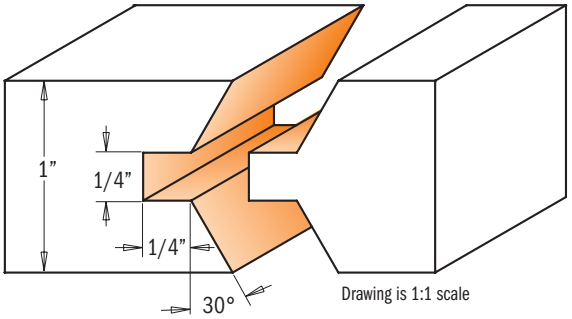
855.510

This is a great set to create cost-effective, yet attractive durable edges to your cabinet doors. For use with 1/2" or 1" 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.









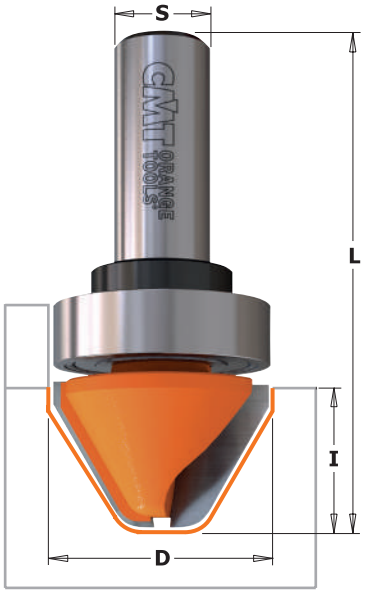
Drawing is 1:1 scale

ORDER NO. S=Ø1/2" shank		D inches	D mm	I inches	A	L inches
855.510.11	5	1-37/64	40	1	30°	2-15/16

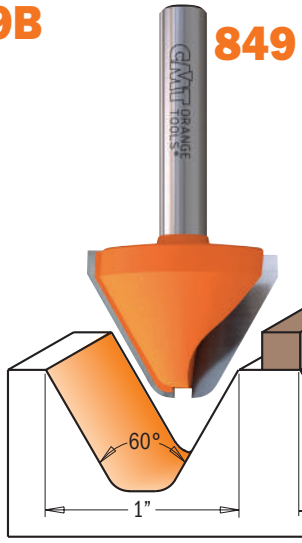
Spare parts

990.423.00	791.018.00	990.058.00	991.057.00

60° Lettering Bit

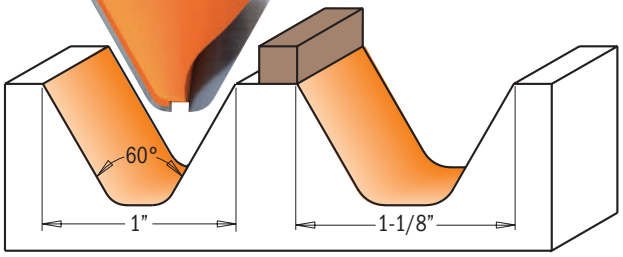


849B



849

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

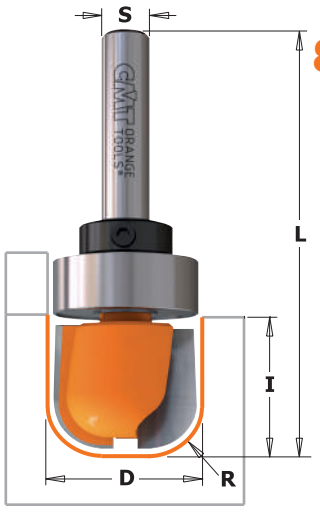
ORDER NO. S=Ø1/4" shank	ORDER NO. S=Ø1/2" shank		D inches	D mm	I inches	A	L inches
849.001.11		10	1	25.4	3/4	60°	2
	849.501.11	10	1-1/8	28.5	3/4	60°	2-1/2
WITH TOP BEARING GUIDE							
	849.501.11B	10	1-1/8	28.5	3/4	60°	2-1/2

Spare parts

791.027.00	541.002.00	991.056.00

Spare parts: **990.005.00** M3x3mm STEI screw

Bowl & Tray Bits



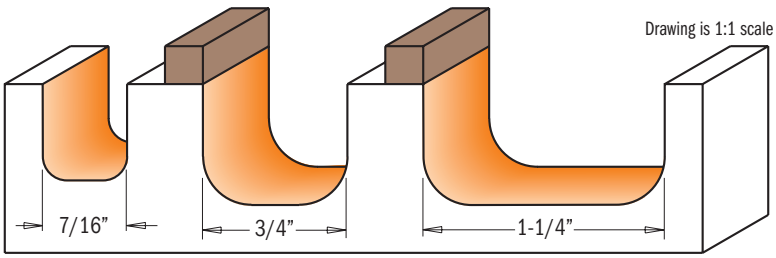
851B



851

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

ORDER NO. S=Ø1/4" shank	ORDER NO. S=Ø1/2" shank		D inches	D mm	I inches	R inches	L inches
851.001.11		10	7/16	11.1	1/2	1/8	1-51/64
851.002.11		10	3/4	19.05	5/8	1/4	2-1/8
	851.501.11	10	3/4	19.05	5/8	1/4	2-3/8
	851.502.11	10	1-1/4	31.7	5/8	1/4	2-3/8
WITH TOP BEARING GUIDE							
851.002.11B		10	3/4	19.05	5/8	1/4	2-1/8
	851.501.11B	10	3/4	19.05	5/8	1/4	2-3/8
	851.502.11B	10	1-1/4	31.7	5/8	1/4	2-3/8

Spare parts

791.004.00	541.001.00	991.056.00
791.011.00	541.002.00	991.056.00
791.015.00	541.002.00	991.056.00

Spare parts: **990.005.00** M3x3mm STEI screw

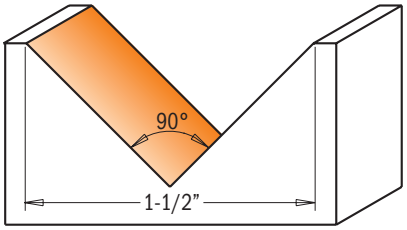


815 - 815B

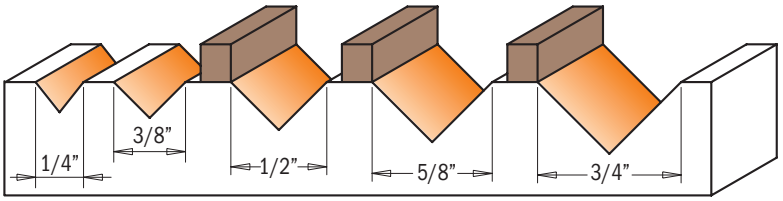
SOLID CARBIDE | CARBIDE TIPPED | T2 | RH

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.
In addition, CMT has versatile top bearing bits that allow for several template options of your choice (see series **815B**).

TIPS: these bits perfectly chamfer at 45° angles (Two tools in one).



Drawing is 1:1 scale





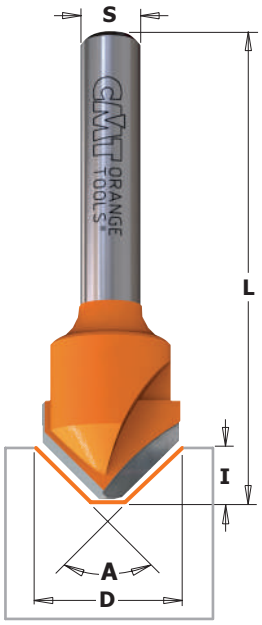
PLASTERBOARD PANEL

ORDER NO. S=Ø1/4" shank	ORDER NO. S=Ø1/2" shank		D inches	D mm	I inches	I_1 inches	A	L inches
• 815.064.11		10	1/4	6.35	5/16	1/8	90°	1-1/2
815.095.11		10	3/8	9.52	1/2	3/16	90°	1-3/4
815.127.11		10	1/2	12.7	1/2	1/4	90°	1-3/4
	815.660.11	10	5/8	15.87	1/2	5/16	90°	2-1/2
	815.690.11	10	3/4	19.05	5/8	3/8	90°	2-1/2
	815.817.11	10	1-1/4	31.7	3/4	5/8	90°	2-1/2
	815.880.11	10	1-1/2	38.1	1-1/8	3/4	90°	2-3/4
WITH TOP BEARING GUIDE								
815.127.11B		10	1/2	12.7	1/2	1/4	90°	1-3/4
	815.690.11B	10	3/4	19.05	5/8	3/8	90°	2-1/2

Spare parts

791.010.00	541.001.00	991.056.00
791.011.00	541.002.00	991.056.00

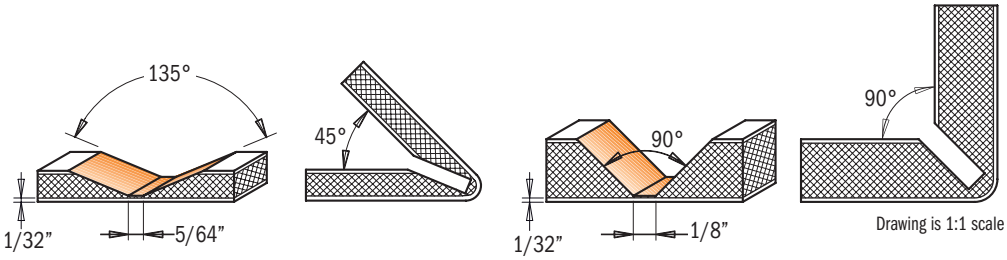
• **Solid Carbide**



815

CARBIDE TIPPED | T2 | 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

ORDER NO. S=Ø1/4" shank		D inches	D mm	I inches	A	L inches
815.001.11	10	45/64	18	19/64	90°	2-23/64
815.002.11	10	45/64	18	1/8	135°	2-23/64





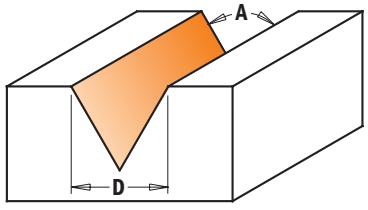
858.002.11
• Solid Carbide

858

SOLID CARBIDE | CARBIDE TIPPED | T1 | T2 | T3 | 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 1/2" (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



858.003.11

ORDER NO. S=Ø1/4" shank	ORDER NO. S=Ø1/2" shank		D inches	D mm	I inches	A	T	L inches
•858.002.11		10	1/4	6.35	3/8	35°	1	2
858.001.11		10	1/2	12.7	7/16	60°	3	2-1/4
	858.501.11	10	1/2	12.7	7/16	60°	3	2-3/8
858.003.11		10	1/2	12.7	25/64	60°	2	2

® Brand names mentioned in CMT products are the property of their respective owners (see page 376)

V-Grooving & Signmaking Router Bits with indexable knives (90°)



665

INSERT CARBIDE T1 RH 2X CUTTING

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.

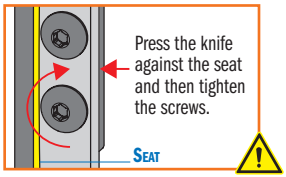
TECHNICAL DETAILS:
- Super strength steel.
- 1 T.C.T. precision insert knife [T1].

SAFETY TIPS:

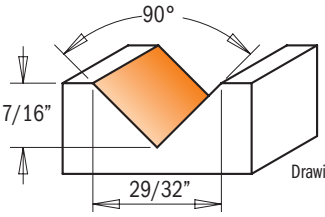


The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 323).

CORRECT KNIFE POSITIONING







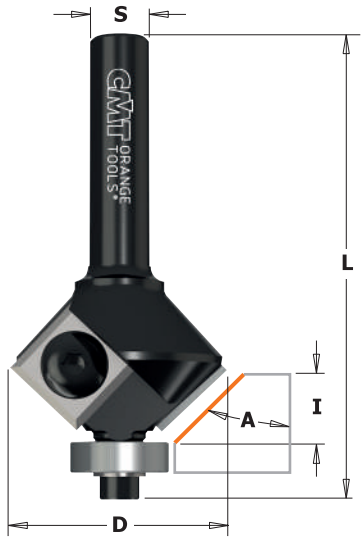
Drawing is 1:1 scale

ORDER NO. S=Ø1/4" shank		D inches	D mm	I inches	A	L inches
665.201.11	10	29/32	23	7/16	90°	2-3/8

Spare parts

790.280.00	990.093.00	991.073.00

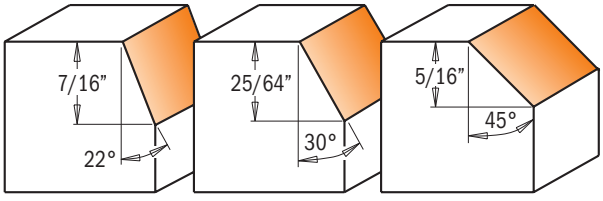
Chamfer Bits with Insert Knives



659

INSERT CARBIDE T2 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.



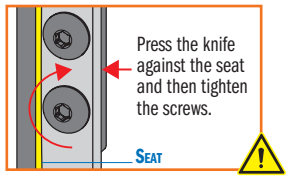
Drawing is 1:1 scale

SAFETY TIPS:



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 323).

CORRECT KNIFE POSITIONING



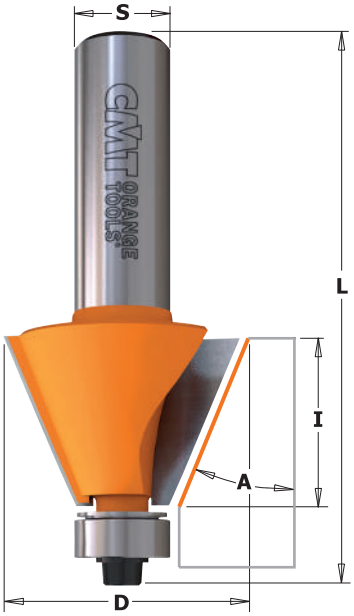
ORDER NO. S=Ø1/4" shank	ORDER NO. S=Ø1/2" shank		D inches	D mm	A	I inches	L inches
659.023.11		10	63/64	25	22°	7/16	2-15/32
659.031.11		10	1-7/64	28	30°	25/64	2-9/16
659.046.11		10	1-9/64	29	45°	5/16	2-13/32
	659.646.11	10	1-9/64	29	45°	5/16	2-23/32

Spare parts

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 page 376)

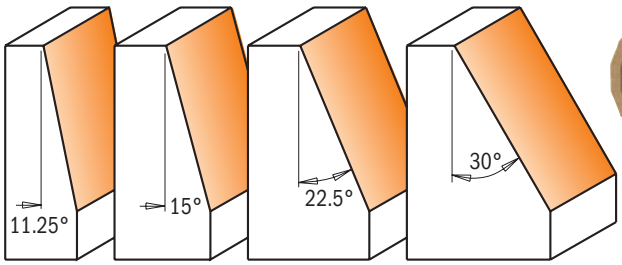


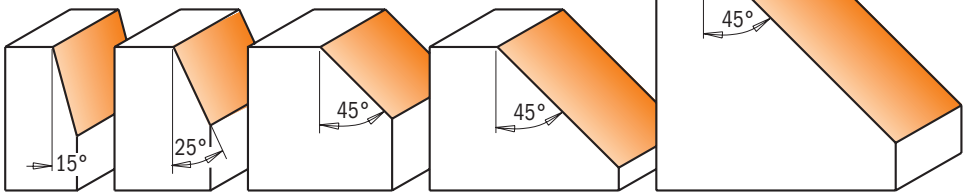
836 - 857

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

ORDER NO. S=Ø1/4" shank	ORDER NO. S=Ø1/2" shank		D inches	D mm	A	I inches	L inches
836.130.11		10	3/4	19.05	15°	7/16	2-5/32
836.190.11		10	7/8	22.2	25°	13/32	2-5/32
836.280.11		10	1-1/4	31.7	45°	3/8	2-3/32
836.420.11		10	1-49/64	45	45°	23/32	2-3/8
	836.920.11	10	1-49/64	45	45°	23/32	2-5/8
	836.950.11	10	2-9/16	65	45°	1	3-1/32
	857.504.11	10	7/8	22.2	11.25°	7/8	2-13/16
	857.503.11	10	1	25.4	15°	7/8	2-13/16
	857.502.11	10	1-1/4	31.7	22.5°	7/8	2-13/16
	857.501.11	10	1-1/2	38.1	30°	7/8	2-13/16

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)



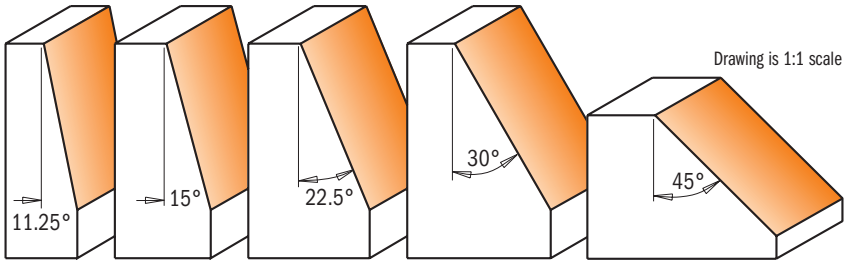
This set includes 5 anti-kickback carbide-tipped bits to make angled cuts and polygonal projects easier and more accurate in the most popular angles.

Chamfer Set

836.501.11

1/2" Shank

SET CONTAINS	ORDER NO. S=Ø1/2" shank	D inches	D mm	A
Chamfer bit	857.504.11	7/8	22.2	11.25°
Chamfer bit	857.503.11	1	25.4	15°
Chamfer bit	857.502.11	1-1/4	31.7	22.5°
Chamfer bit	857.501.11	1-1/2	38.1	30°
Chamfer bit	836.920.11	1-49/64	45	45°



Drawing is 1:1 scale



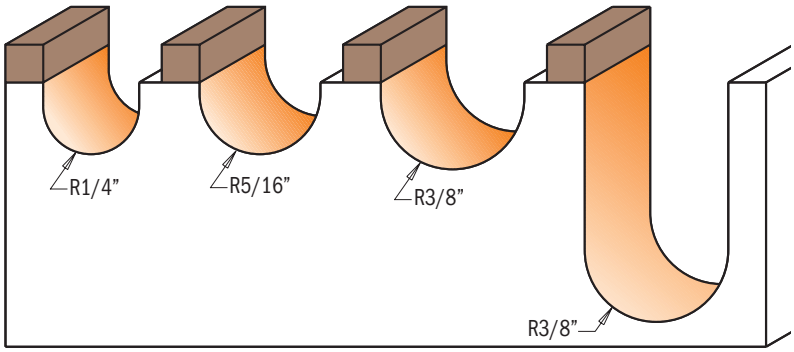
814B

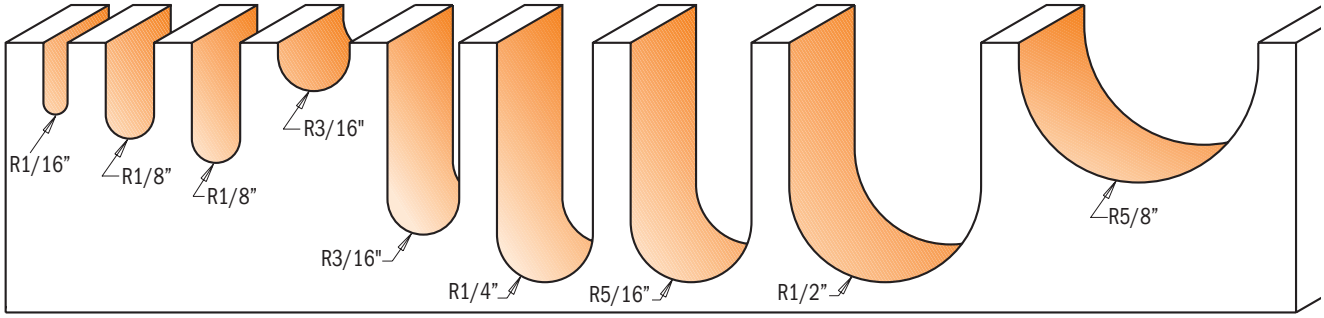
SOLID CARBIDE | CARBIDE TIPPED | T2 | RH

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





ORDER NO. S=Ø1/4" shank	ORDER NO. S=Ø1/2" shank		R inches	R mm	D inches	I inches	L inches
• 814.032.11		10	1/16	1.6	1/8	3/8	2
• 814.064.11		10	1/8	3.2	1/4	1/2	2
	• 814.564.11	10	1/8	3.2	1/4	5/8	2-1/2
814.095.11		10	3/16	4.75	3/8	1/4	2
	814.595.11	10	3/16	4.75	3/8	1	2-5/8
814.127.11		10	1/4	6.35	1/2	3/8	2
	814.627.11	10	1/4	6.35	1/2	1-1/4	2-7/8
814.160.11		10	5/16	7.94	5/8	3/8	2
	814.660.11	10	5/16	7.94	5/8	1-1/4	2-7/8
814.190.11		10	3/8	9.52	3/4	7/16	2
	814.690.11	10	3/8	9.52	3/4	1-1/4	2-7/8
	814.721.11	10	7/16	11	7/8	1	2-1/2
	814.754.11	10	1/2	12.7	1	1-1/4	2-7/8
	814.817.11	10	5/8	15.87	1-1/4	3/4	2-5/16
	814.880.11	10	3/4	19.05	1-1/2	1-1/4	2-3/4
	814.990.11	10	1	25.4	2	1-1/4	2-3/4
WITH TOP BEARING GUIDE							
814.127.11B		10	1/4	6.35	1/2	3/8	2
814.160.11B		10	5/16	7.94	5/8	3/8	2
814.190.11B		10	3/8	9.52	3/4	7/16	2
	814.690.11B	10	3/8	9.52	3/4	1-1/4	2-7/8

Spare parts: **990.005.00** M3x3mm TSEI screw
991.056.00 1.5mm hex key

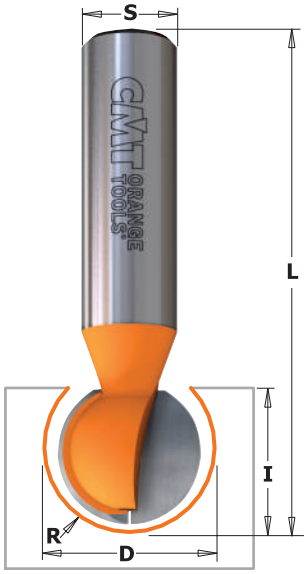
• **Solid Carbide**



Spare parts

791.010.00	541.001.00
791.009.00	541.001.00
791.004.00	541.001.00
791.011.00	541.002.00

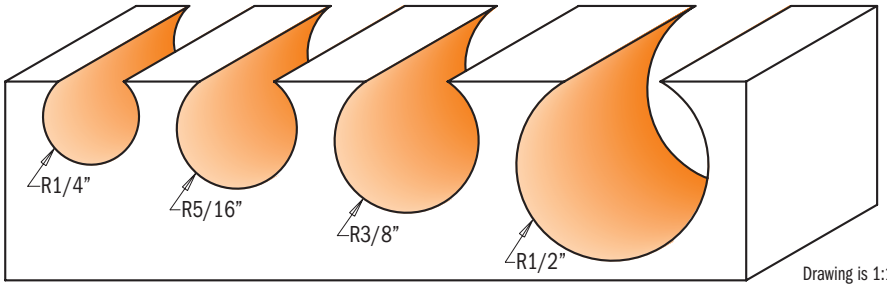
Ball End Bit



868

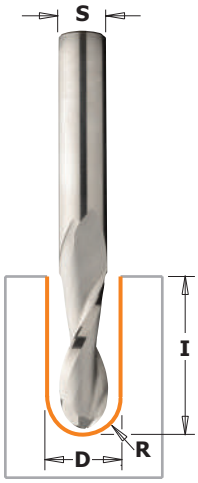
CARBIDE TIPPED | T2 | RH

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

ORDER NO. S=Ø1/2" shank		R inches	R mm	D inches	I inches	L inches
868.627.11	10	1/4	6.35	1/2	7/16	2-1/4
868.658.11	10	5/16	7.94	5/8	9/16	2-3/8
868.690.11	10	3/8	9.52	3/4	11/16	2-1/2
868.754.11	10	1/2	12.7	1	59/64	2-3/4



Solid Carbide Upcut Ball Nose Spiral Bits

199

SOLID CARBIDE | T2 | RH

These new bits are used for ripping, template routing, panel sizing and any routing application in solid wood, wood composites, laminates, plastics, solid surface and aluminum. Can be used at a high feed speed on well-clamped workpieces, on machining centres, point to point machines, CNC routers and hand-held routers equipped with chucks or adaptors.

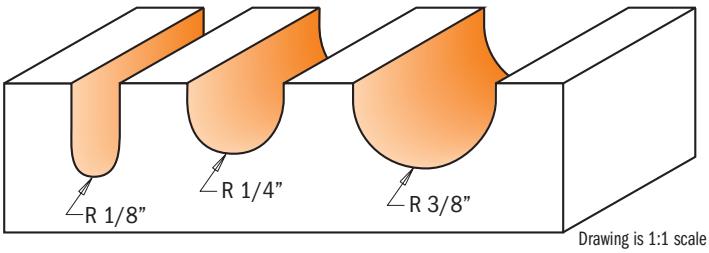
ORDER NO.		R inches	R mm	D inches	I inches	S inches	L inches
199.001.11	10	1/16	1.6	1/8	1/2	1/4	2
199.008.11	10	1/8	3.2	1/4	1	1/4	2-1/2
199.504.11	10	3/16	4.75	3/8	1-1/8	3/8	3
199.505.11	10	1/4	6.35	1/2	1-1/4	1/2	3
199.509.11	10	5/16	7.94	5/8	2-1/4	5/8	4-5/16
199.511.11	10	3/8	9.52	3/4	2-1/4	3/4	4-5/16

Round Nose Set



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 1/4" and 1/2" shanks.

SOLID CARBIDE | CARBIDE TIPPED | T2 | RH



Drawing is 1:1 scale

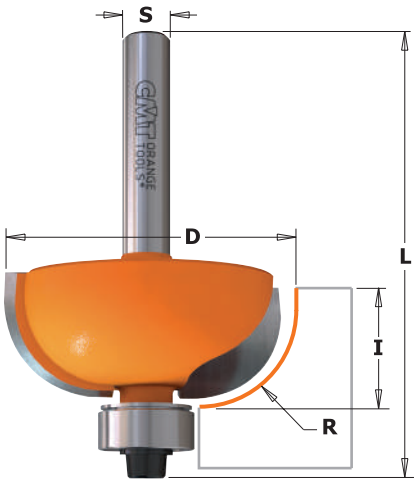
814.001.11 — 1/4" Shank

SET CONTAINS	ORDER NO. S=Ø1/4" shank	R inches	R mm	I inches
Round nose bit	814.064.11	1/8	3.2	1/2
Round nose bit	814.127.11	1/4	6.35	3/8
Round nose bit	814.190.11	3/8	9.52	7/16

814.501.11 — 1/2" Shank

SET CONTAINS	ORDER NO. S=Ø1/2" shank	R inches	R mm	I inches
Round nose bit	814.564.11	1/8	3.2	5/8
Round nose bit	814.627.11	1/4	6.35	1-1/4
Round nose bit	814.690.11	3/8	9.52	1-1/4

Cove Bits

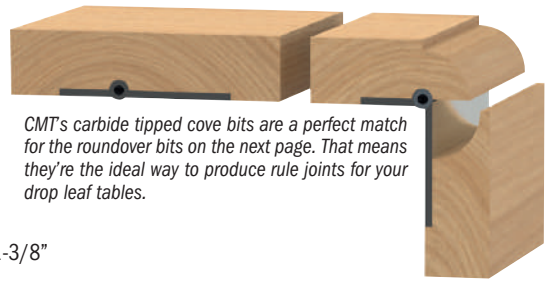


837

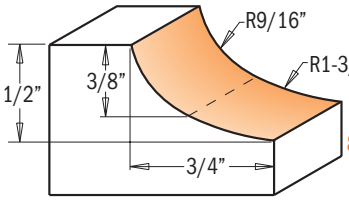
Make simple or elegant furniture, doors and drawer fonts by adding a final touch with CMT cove bits.

TIPS: rounded edges provide a very refined and elegant look.

CARBIDE TIPPED | T2 | RH

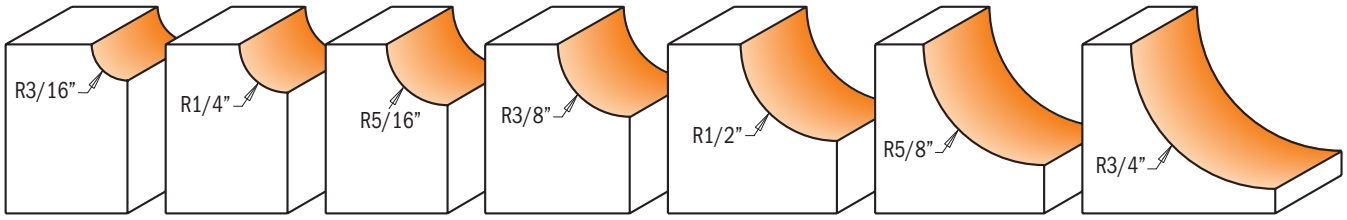


CMT's carbide tipped cove bits are a perfect match for the roundover bits on the next page. That means they're the ideal way to produce rule joints for your drop leaf tables.



837.955.11

Drawing is 1:1 scale



ORDER NO. S=Ø1/4" shank	ORDER NO. S=Ø1/2" shank		R inches	R mm	D inches	I inches	L inches
837.190.11		10	3/16	4.75	7/8	1/2	2-5/32
	837.690.11	10	3/16	4.75	7/8	1/2	2-13/32
837.222.11		10	1/4	6.35	1	1/2	2-5/32
	837.722.11	10	1/4	6.35	1	1/2	2-13/32
837.254.11		10	5/16	7.94	1-1/8	1/2	2-1/8
	837.754.11	10	5/16	7.94	1-1/8	1/2	2-3/8
837.286.11		10	3/8	9.52	1-1/4	1/2	2-1/8
	837.786.11	10	3/8	9.52	1-1/4	1/2	2-3/8
837.350.11		10	1/2	12.7	1-1/2	5/8	2-9/32
	837.850.11	10	1/2	12.7	1-1/2	5/8	2-17/32
	837.950.11	10	5/8	15.87	1-3/4	3/4	2-41/64
	837.951.11	10	3/4	19.05	2	7/8	2-25/32
	837.955.11	10	See drawing		2	1/2	2-13/32

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

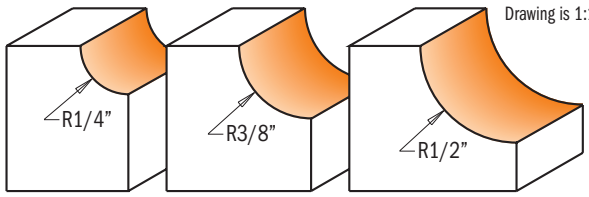
Cove Bit Set



CARBIDE TIPPED | T2 | RH

See simple furniture, doors and drawer fronts transform into elegant pieces by giving them a final touch with a CMT Cove Bit. Available with 1/4", 3/8" and 1/2" radius bits of your choice or 1/4" or 1/2" shank.

Drawing is 1:1 scale



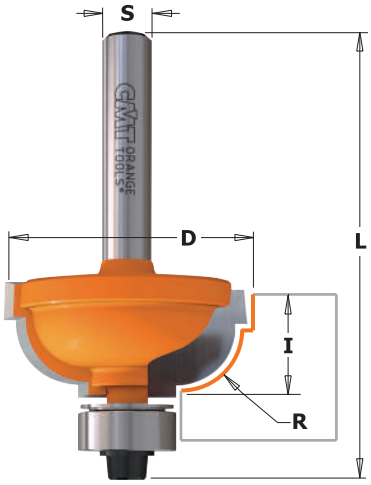
837.001.11 — 1/4" Shank

SET CONTAINS	ORDER NO. S=Ø1/4" shank	R inches	R mm	I inches
Cove bit	**837.222.11**	1/4	6.35	1/2
Cove bit	**837.286.11**	3/8	9.52	1/2
Cove bit	**837.350.11**	1/2	12.7	5/8

837.501.11 — 1/2" Shank

SET CONTAINS	ORDER NO. S=Ø1/2" shank	R inches	R mm	I inches
Cove bit	837.722.11	1/4	6.35	1/2
Cove bit	837.786.11	3/8	9.52	1/2
Cove bit	837.850.11	1/2	12.7	5/8

Cavetto Edge Mould Bits



863 - 864

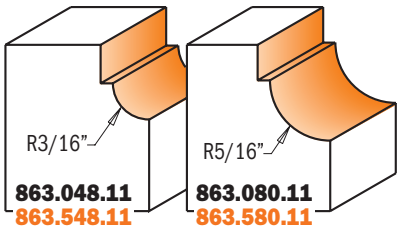
CARBIDE TIPPED · T2 · RH

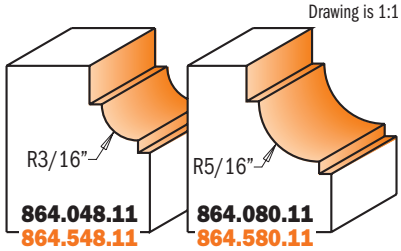
The cavetto bit cuts beautiful, traditional profiles, but you may also use just a portion of the bit to cut a more simple and cleaner cove edge.

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



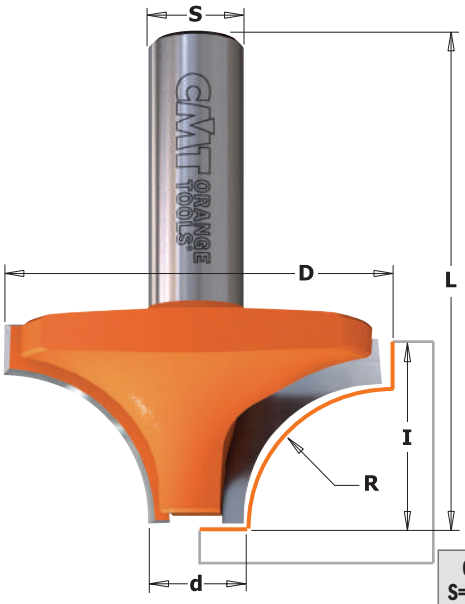


ORDER NO. S=Ø1/4" shank	ORDER NO. S=Ø1/2" shank		R inches	R mm	D inches	I inches	L inches
863.048.11		10	3/16	4.76	1	29/64	2-1/8
	863.548.11	10	3/16	4.76	1	29/64	2-3/8
863.080.11		10	5/16	7.94	1-1/4	9/16	2-1/4
	863.580.11	10	5/16	7.94	1-1/4	9/16	2-15/32
864.048.11		10	3/16	4.76	1	29/64	2-3/32
	864.548.11	10	3/16	4.76	1	29/64	2-5/16
864.080.11		10	5/16	7.94	1-1/4	9/16	2-5/32
	864.580.11	10	5/16	7.94	1-1/4	9/16	2-13/32

Spare parts

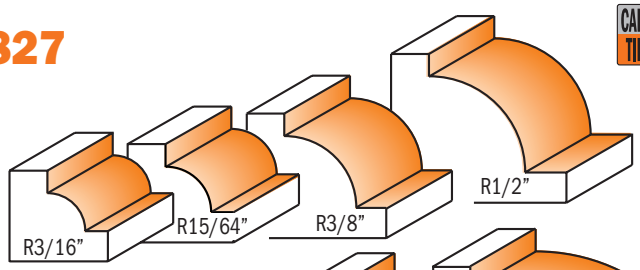
990.423.00	791.003.00	990.058.00	991.057.00
990.423.00	791.003.00	990.058.00	991.057.00
990.423.00	791.003.00	990.058.00	991.057.00
990.423.00	791.003.00	990.058.00	991.057.00
990.422.00	791.002.00	990.058.00	991.057.00
990.422.00	791.002.00	990.058.00	991.057.00
990.422.00	791.002.00	990.058.00	991.057.00
990.422.00	791.002.00	990.058.00	991.057.00

Ovolo Bits

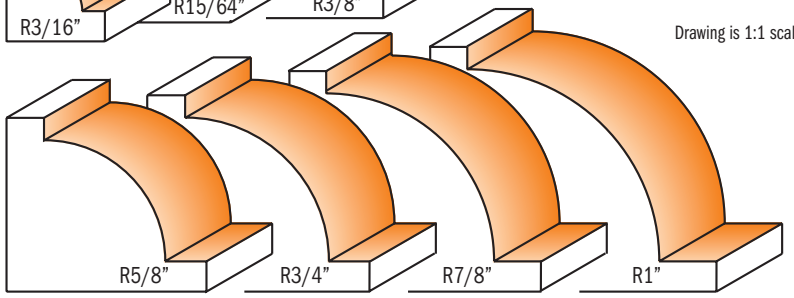


827

CARBIDE TIPPED · T2 · RH



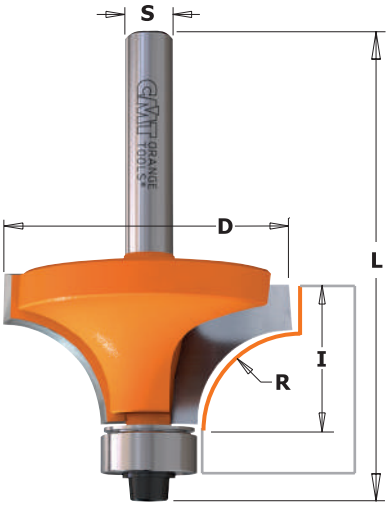
Drawing is 1:1 scale



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.

ORDER NO. S=Ø1/4" shank	ORDER NO. S=Ø1/2" shank		R inches	R mm	d inches	D inches	I inches	L inches
827.050.11		10	3/16	5	7/16	13/16	15/32	1-23/32
827.060.11		10	15/64	6	7/16	29/32	15/32	1-23/32
	827.560.11	10	15/64	6	7/16	29/32	15/32	1-31/32
827.095.11		10	3/8	9.52	1/2	1-1/4	5/8	1-7/8
	827.595.11	10	3/8	9.52	1/2	1-1/4	5/8	2-1/8
827.127.11		10	1/2	12.7	1/2	1-1/2	3/4	2
	827.627.11	10	1/2	12.7	1/2	1-1/2	3/4	2-1/4
	827.660.11	10	5/8	15.87	1/2	1-3/4	7/8	2-3/8
	827.690.11	10	3/4	19.05	1/2	2	1	2-1/2
	827.722.11	10	7/8	22.2	1/2	2-1/4	1-1/8	2-5/8
	827.754.11	10	1	25.4	1/2	2-1/2	1-5/16	2-13/16



838

CARBIDE TIPPED · T2 · 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.

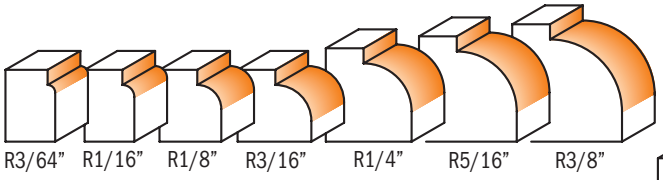
SAFETY TIPS: use caution when working with large diameter bits and make more than one pass to gradually remove stock.

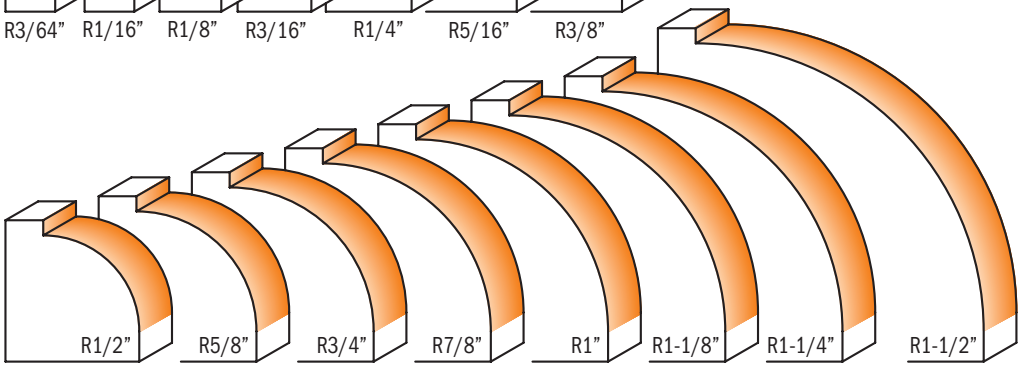
SHOP TIPS: after resharpening, replace bearing 791.003.11 (Ø12.7mm) with undersized bearing **791.063.00** (Ø12.5mm)

Spare parts


Steel
791.003.00


DELRIN®
791.044.00





Drawing is 1:1 scale

ORDER NO. S=Ø1/4" shank	ORDER NO. S=Ø1/2" shank		R inches	R mm	D inches	I inches	L inches
838.147.11°		10	3/64	1	37/64	3/8	2
838.160.11		10	1/16	1.6	5/8	1/2	2-9/64
838.167.11°		10	5/64	2	21/32	1/2	2-5/64
838.187.11		10	1/8	3	47/64	1/2	2-1/8
838.190.11°		10	1/8	3.2	3/4	1/2	2-9/64
838.222.11		10	3/16	4.75	7/8	1/2	2-9/64
838.254.11		10	1/4	6.35	1	1/2	2-9/64
	838.754.11	10	1/4	6.35	1	1/2	2-5/16
838.285.11		10	5/16	7.94	1-1/8	1/2	2-9/64
838.317.11		10	3/8	9.52	1-1/4	5/8	2-1/4
	838.817.11	10	3/8	9.52	1-1/4	5/8	2-7/16
838.380.11		10	1/2	12.7	1-1/2	3/4	2-25/64
	838.880.11	10	1/2	12.7	1-1/2	3/4	2-41/64
838.445.11		10	5/8	15.87	1-3/4	7/8	2-1/2
	838.945.11	10	5/8	15.87	1-3/4	7/8	2-3/4
	838.990.11	10	3/4	19.05	2	1	2-57/64
	838.991.11	10	7/8	22.2	2-1/4	1-1/8	3-1/32
	838.992.11*	10	1	25.4	2-1/2	1-5/16	3-13/64
	838.993.11*	10	1-1/8	28.6	3	1-1/2	3-1/2
	838.994.11*	10	1-1/4	31.7	3-1/4	1-3/4	3-49/64
	838.996.11*	10	1-1/2	38.1	3-1/2	1-3/4	3-41/64

Spare parts

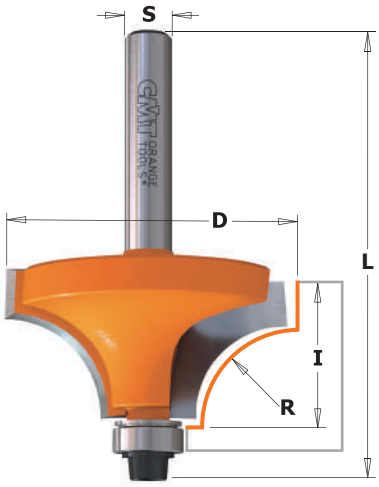
990.422.00	791.044.00	990.058.00	991.057.00
990.423.00	791.003.00	990.058.00	991.057.00
990.422.00	791.044.00	990.058.00	991.057.00
990.423.00	791.003.00	990.058.00	991.057.00
990.422.00	791.044.00	990.058.00	991.057.00
990.423.00	791.003.00	990.058.00	991.057.00
990.423.00	791.003.00	990.058.00	991.057.00
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
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
990.425.00	791.004.00	990.058.00	991.057.00
990.425.00	791.004.00	990.058.00	991.057.00
990.423.00	791.003.00	990.058.00	991.057.00

Spare parts: **541.550.00** 1.6mm spacers (838.993.11 and 838.994.11)

***For use on router tables only**

°791.044.00 DELRIN® Bearing

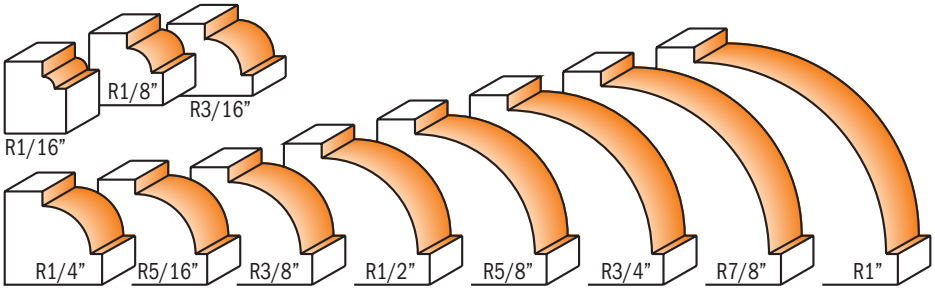
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839

CARBIDE TIPPED | T2 | RH

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 **838** (listed on the following page) to the undersized one listed below **(791.002.00)**.



Drawing is 1:1 scale

ORDER NO. S=Ø1/4" shank	ORDER NO. S=Ø1/2" shank		R inches	R mm	D inches	I inches	L inches	Spare parts			
839.160.11		10	1/16	1.6	5/8	1/2	2-1/16	990.422.00	791.002.00	990.058.00	991.057.00
839.190.11		10	1/8	3.2	3/4	1/2	2-1/16	990.422.00	791.002.00	990.058.00	991.057.00
839.222.11		10	3/16	4.75	7/8	1/2	2-1/16	990.422.00	791.002.00	990.058.00	991.057.00
839.254.11		10	1/4	6.35	1	1/2	2-1/16	990.422.00	791.002.00	990.058.00	991.057.00
	839.754.11	10	1/4	6.35	1	1/2	2-5/16	990.422.00	791.002.00	990.058.00	991.057.00
839.285.11		10	5/16	7.94	1-1/8	1/2	2-1/16	990.422.00	791.002.00	990.058.00	991.057.00
839.317.11		10	3/8	9.52	1-1/4	5/8	2-3/16	990.422.00	791.002.00	990.058.00	991.057.00
	839.817.11	10	3/8	9.52	1-1/4	5/8	2-7/16	990.422.00	791.002.00	990.058.00	991.057.00
839.380.11		10	1/2	12.7	1-1/2	3/4	2-5/16	990.422.00	791.002.00	990.058.00	991.057.00
	839.880.11	10	1/2	12.7	1-1/2	3/4	2-9/16	990.422.00	791.002.00	990.058.00	991.057.00
839.445.11		10	5/8	15.87	1-3/4	7/8	2-7/16	990.422.00	791.002.00	990.058.00	991.057.00
	839.945.11	10	5/8	15.87	1-3/4	7/8	2-11/16	990.422.00	791.002.00	990.058.00	991.057.00
	839.990.11	10	3/4	19.05	2	1	2-13/16	990.422.00	791.002.00	990.058.00	991.057.00
	839.991.11	5	7/8	22.2	2-1/4	1-1/8	2-15/16	990.422.00	791.002.00	990.058.00	991.057.00
	839.992.11*	5	1	25.4	2-1/2	1-5/16	3-1/8	990.422.00	791.002.00	990.058.00	991.057.00

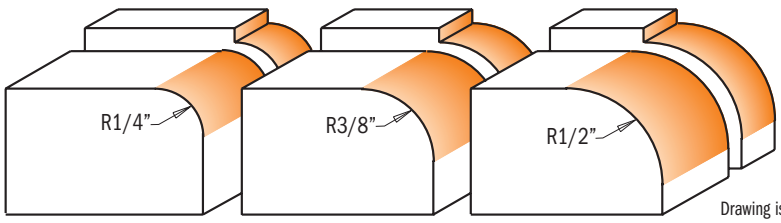
***For use on router tables only.**

Roundover Set



CARBIDE TIPPED | T2 | RH

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 1/2" and 1/4" shanks. Roundover radii are 1/4", 3/8" and 1/2". 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.



Drawing is 1:1 scale

838.001.11 — 1/4" Shank

SET CONTAINS	ORDER NO. S=Ø1/4" shank	R inches	R mm	I inches
Roundover bit	**838.254.11**	1/4	6.35	1/2
Roundover bit	**838.317.11**	3/8	9.52	5/8
Roundover bit	**838.380.11**	1/2	12.7	3/4

838.501.11 — 1/2" Shank

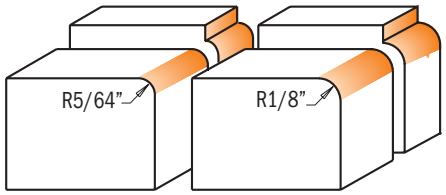
SET CONTAINS	ORDER NO. S=Ø1/2" shank	R inches	R mm	I inches
Roundover bit	**838.754.11**	1/4	6.35	1/2
Roundover bit	**838.817.11**	3/8	9.52	5/8
Roundover bit	**838.880.11**	1/2	12.7	3/4



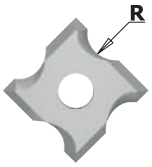
661.41

INSERT CARBIDE · T2 · RH · 4X CUTTING

Roundover bits with two replaceable knives fixed by special TORX® screws. The blades are profiled on 4 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



Standard
R=1/8" 790.030.04

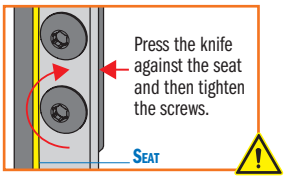
Optional
R=3/64" 790.010.04
R=1/16" 790.015.04
R=5/64" 790.020.04

SAFETY TIPS:



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 323).

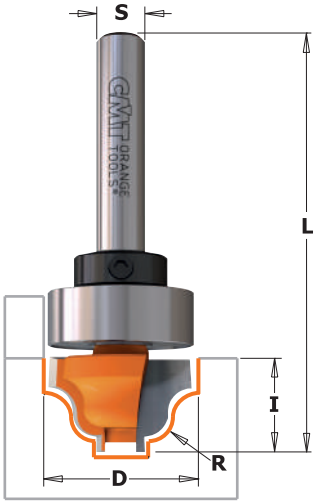
CORRECT KNIFE POSITIONING



ORDER NO. S=Ø1/4" shank		R inches	R mm	D inches	I inches	L inches	Spare parts			
661.021.41	10	5/64	2	57/64	49/64	2-33/64	790.020.04	990.078.00	991.061.00	791.003.00
661.031.41	10	1/8	3	1/2	1/8	2-17/64	790.030.04	990.078.00	991.061.00	791.003.00

Spare parts: **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

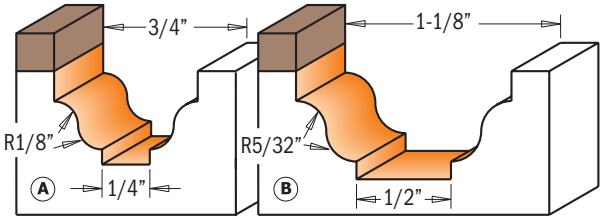
Classical Bead Bits



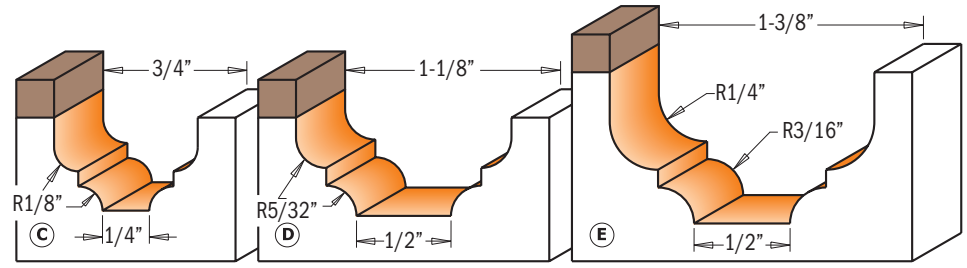
865B

CARBIDE TIPPED · α · T2 · RH

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

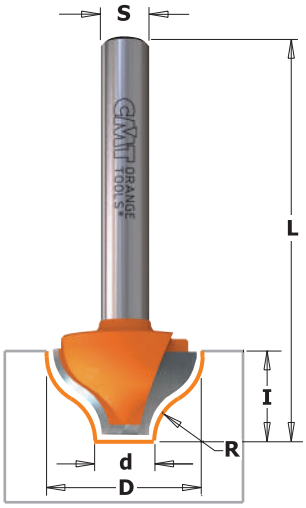


ORDER NO. S=Ø1/4" shank	ORDER NO. S=Ø1/2" shank		D inches	D mm	R inches	I inches	L inches	PROFILE	Spare parts		
865.201.11B		10	3/4	19.05	1/8	31/64	2-1/8	A	791.004.00	541.001.00	991.056.00
	865.702.11B	10	1-1/8	28.6	5/32	9/16	2-5/16	B	791.027.00	541.002.00	991.056.00
865.301.11B		10	3/4	19.05	1/8	31/64	2-1/8	C	791.004.00	541.001.00	991.056.00
	865.802.11B	10	1-1/8	28.6	5/32	17/32	2-9/32	D	791.027.00	541.002.00	991.056.00
	865.803.11B	10	1-3/8	34.9	1/4	23/32	2-39/64	E	791.029.00	541.002.00	991.056.00

Spare parts: **990.005.00** M3x3mm TSEI screw

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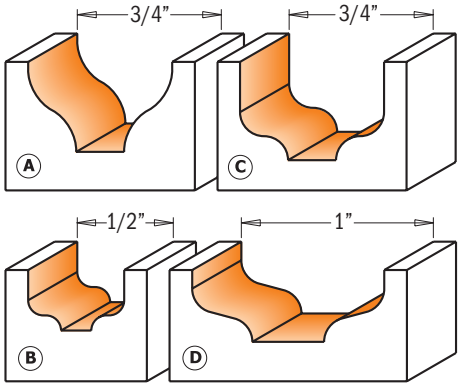
Decorative Beading Bits



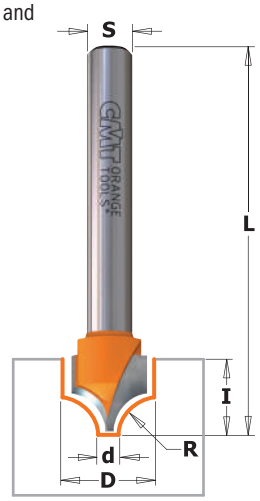
865

CARBIDE TIPPED | T2 | RH

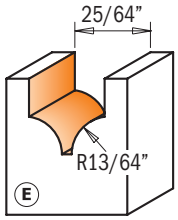
This new CMT bit produces a classic single or double-edged bead. Ideal for creating a marked decorative effect on panel, door and drawer work.



Drawing is 1:1 scale



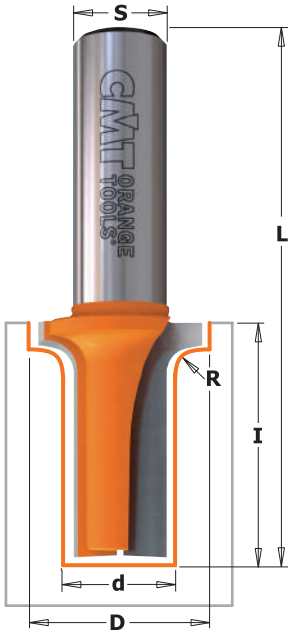
865.402.11



Drawing is 1:1 scale

ORDER NO. S=Ø1/4" shank	ORDER NO. S=Ø1/2" shank		D inches	D mm	d inches	R inches	I inches	L inches	PROFILE
865.402.11		10	25/64	10	1/16	13/64	25/64	1-31/32	E
865.002.11		10	1/2	12.7	5/32	5/64	5/16	2	B
865.001.11	865.501.11	10	3/4	19.05	1/4	1/4	7/16	2	A
	865.503.11	10	3/4	19.05	1/4	1/8	33/64	2-43/64	C
	865.504.11	10	1	25.4	3/8	1/8	3/8	1-59/64	D

Decorative Ogee Bits



865.905.11

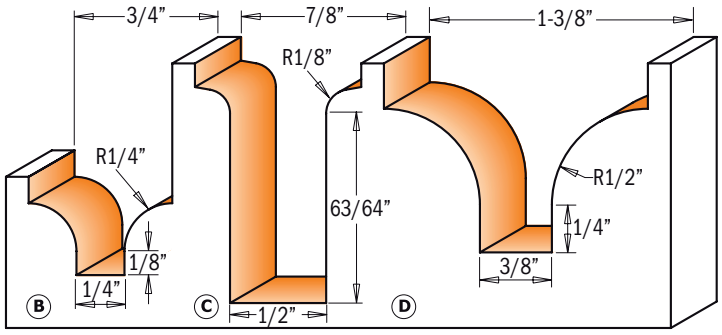


865.903.11
865.904.11

865.9

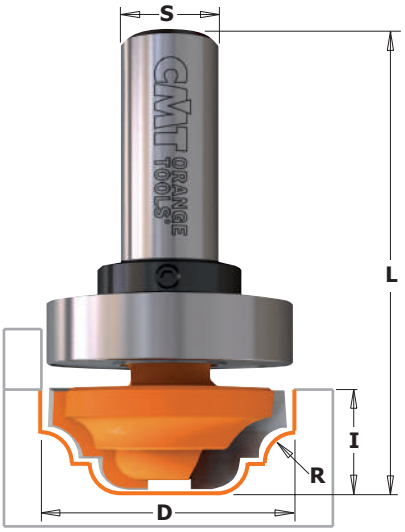
CARBIDE TIPPED | T2 | RH

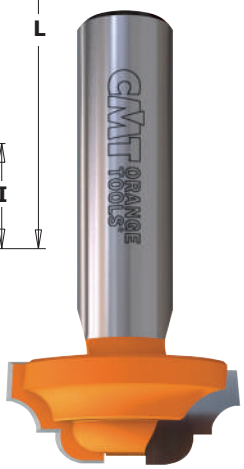
Enhance your doors and drawer fronts and leave your visitors amazed! The cutting edges on these ogee bits are carbide-tipped for effective, smooth and eye-catching work.



Drawing is 1:1 scale

ORDER NO. S=Ø1/2" shank		D inches	D mm	d inches	R inches	I inches	L inches	PROFILE
865.903.11	10	3/4	19.05	1/4	1/4	33/64	2	B
865.905.11	10	7/8	22.2	1/2	1/8	1-1/4	2-3/4	C
865.904.11	10	1-3/8	34.9	3/8	1/2	63/64	2-37/64	D



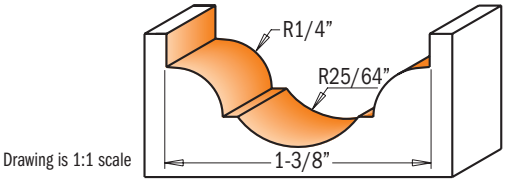


848 - 848B

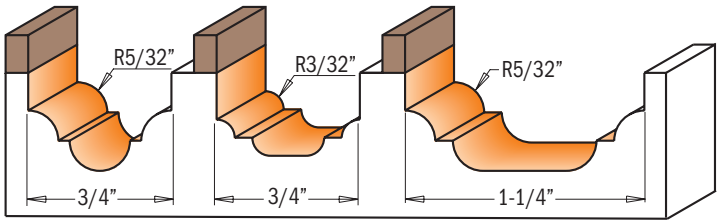
CARBIDE TIPPED · T2 · RH

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



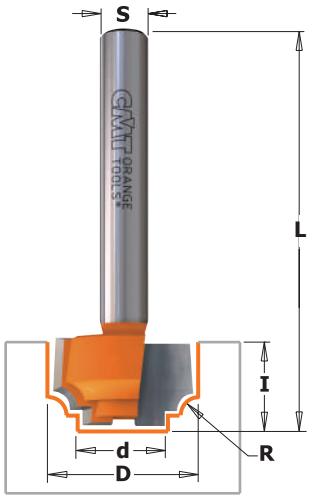
ORDER NO. S=Ø1/4" shank	ORDER NO. S=Ø1/2" shank		D inches	D mm	R inches	I inches	L inches
848.190.11		10	3/4	19.05	5/32	1/2	2-1/64
848.191.11		10	3/4	19.05	3/32	7/16	2-3/32
	848.817.11	10	1-1/4	31.7	5/32	1/2	2-9/32
	848.850.11	10	1-3/8	34.9	1/4 - 25/64	45/64	2-43/64
WITH TOP BEARING GUIDE							
848.190.11B		10	3/4	19.05	5/32	1/2	2-1/64
848.191.11B		10	3/4	19.05	3/32	7/16	2-3/32
	848.817.11B	10	1-1/4	31.7	5/32	1/2	2-9/32

Spare parts: **990.005.00** M3x3mm TSEI screw

Spare parts

791.004.00	541.001.00	991.056.00
791.004.00	541.001.00	991.056.00
791.015.00	541.002.00	991.056.00

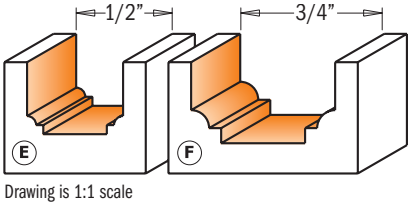
Decorative Ogee Bits



865.1

CARBIDE TIPPED · T2 · 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.



Drawing is 1:1 scale

ORDER NO. S=Ø1/4" shank		D inches	D mm	d inches	R inches	I inches	L inches	PROFILE
865.101.11	10	1/2	12.7	21/64	3/64	1/2	2	E
865.102.11	10	3/4	19.05	7/16	3/32	7/16	2	F

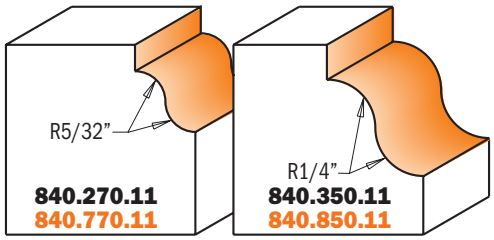
Roman Ogee Bits



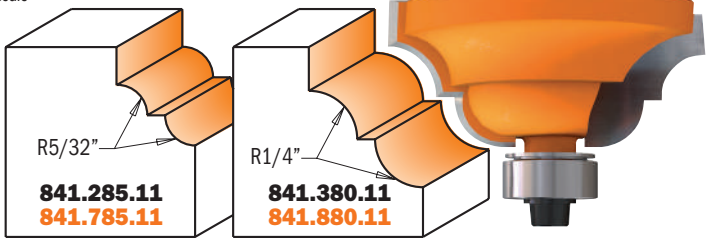
The roman ogee may be the most popular edge treatment in woodworking, and it is certainly one of the most beautiful and varied in classic design.

SHOP TIPS: given the complexity of this kind of machining, for best results, multiple passes are recommended.

CARBIDE TIPPED · T2 · RH



Drawing is 1:1 scale



An extra horizontal cutting edge provides refined style and elegance to these tradizional profiles **840**.

SHOP TIPS: for best results, multiple passes are recommended.

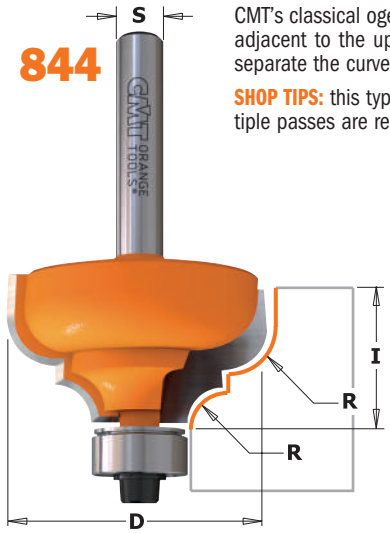
ORDER NO. S=Ø1/4" shank	ORDER NO. S=Ø1/2" shank		R inches	R mm	D inches	I inches
840.270.11	840.770.11	10	5/32	4	1-1/8	29/64
840.350.11	840.850.11	10	1/4	6.35	1-1/2	11/16
841.285.11	841.785.11	10	5/32	4	1-5/16	1/2
841.380.11	841.880.11	10	1/4	6.35	1-11/16	3/4

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

SHOP TIPS: after resharpening, replace bearing 791.003.11 (Ø12.7mm) with undersized bearing **791.063.00** (Ø12.5mm)

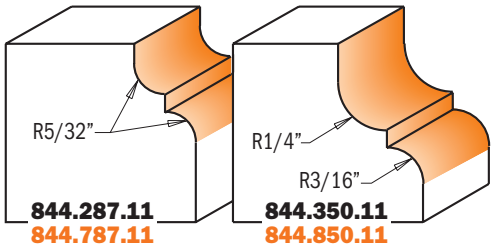
Classical Ogee Bits



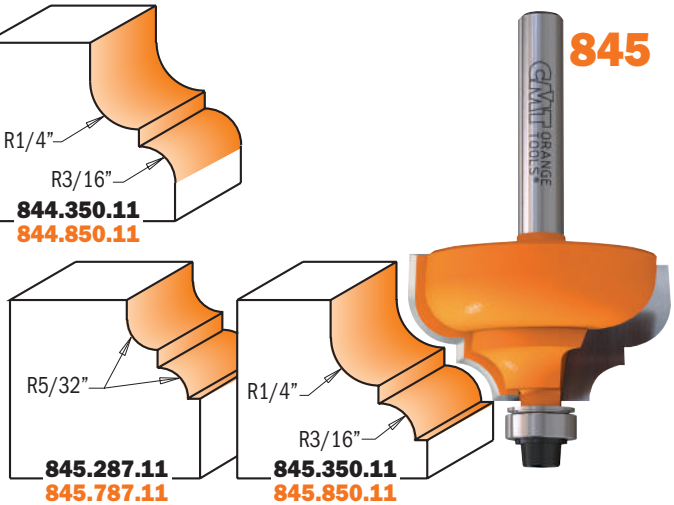
CMT's classical ogee bits feature an inverted ogee profile, with the concave edge adjacent to the upper surface of the workpiece. A vertical bead was added to separate the curves and creates an attractrive detail.

SHOP TIPS: this type of machining can be very challenging, for best results, multiple passes are recommended.

CARBIDE TIPPED · T2 · RH



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.

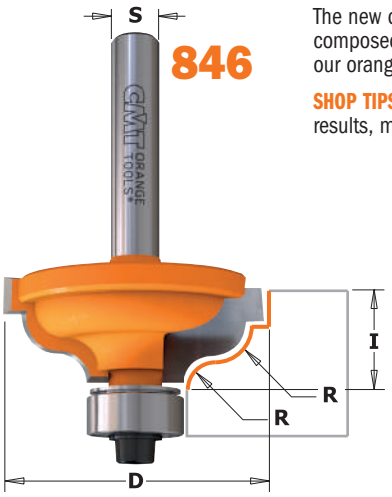
SHOP TIPS: for best results, multiple passes are recommended.

ORDER NO. S=Ø1/4" shank	ORDER NO. S=Ø1/2" shank		R inches	R mm	D inches	I inches
844.287.11	844.787.11	10	5/32	4	1-1/8	1/2
844.350.11	844.850.11	10	1/4 - 3/16	6.35 - 4.8	1-3/8	47/64
845.287.11	845.787.11	10	5/32	4	1-1/8	1/2
845.350.11	845.850.11	10	1/4 - 3/16	6.35 - 4.8	1-3/8	47/64

Spare parts

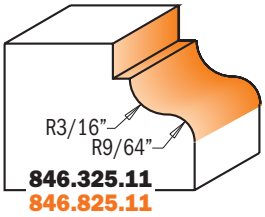
990.423.00	791.003.00	990.058.00	991.057.00
990.423.00	791.003.00	990.058.00	991.057.00
990.422.00	791.002.00	990.058.00	991.057.00
990.422.00	791.002.00	990.058.00	991.057.00

Ogee with Fillet Bits

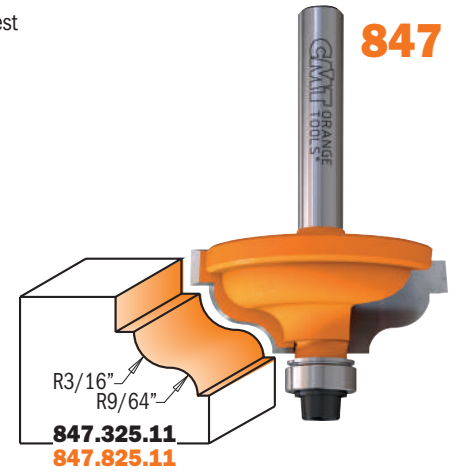


The new decorative possibilties with this bit are endless. Every bit is composed of the highest quality tungsten carbide and protected with our orange trademarked P.T.F.E. coating.

SHOP TIPS: this type of machining can be very challenging, for best results, multiple passes are recommended.



Drawing is 1:1 scale



ORDER NO. S=Ø1/4" shank	ORDER NO. S=Ø1/2" shank		R inches	R mm	D inches	I inches
846.325.11	846.825.11	10	3/16 - 9/64	4.8 - 3.6	1-3/8	1/2
847.325.11	847.825.11	10	3/16 - 9/64	4.8 - 3.6	1-3/8	1/2

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

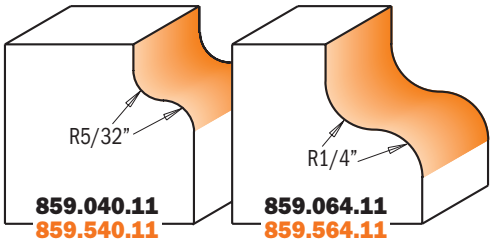
SHOP TIPS: after resharpening, replace bearing as follow:
791.002.00 (Ø9.5mm) with undersized bearing **791.062.00** (Ø9.3mm)
791.003.00 (Ø12.7mm) with undersized bearing **791.063.00** (Ø12.5mm)

Ogee Bits



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.



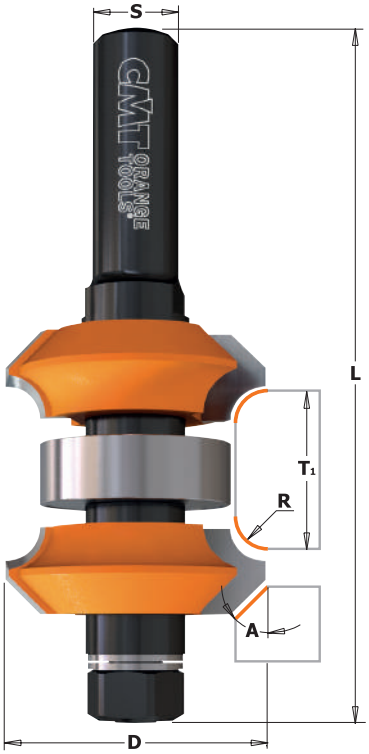
Drawing is 1:1 scale

ORDER NO. S=Ø1/4" shank	ORDER NO. S=Ø1/2" shank		R inches	R mm	D inches	I inches
859.040.11	859.540.11	10	5/32	4	1-1/8	1/2
859.064.11	859.564.11	10	1/4	6.35	1-1/2	45/64
860.040.11	860.540.11	10	5/32	4	1-1/8	1/2
860.064.11	860.564.11	10	1/4	6.35	1-1/2	45/64

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

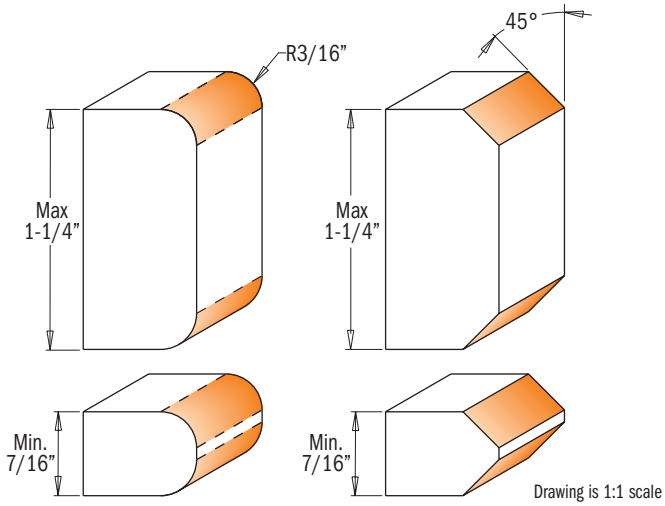
SHOP TIPS: after resharpening, replace bearing as follow:
791.002.00 (Ø9.5mm) with undersized bearing **791.062.00** (Ø9.3mm)
791.003.00 (Ø12.7mm) with undersized bearing **791.063.00** (Ø12.5mm)



800.623

CARBIDE TIPPED | T2 | RH

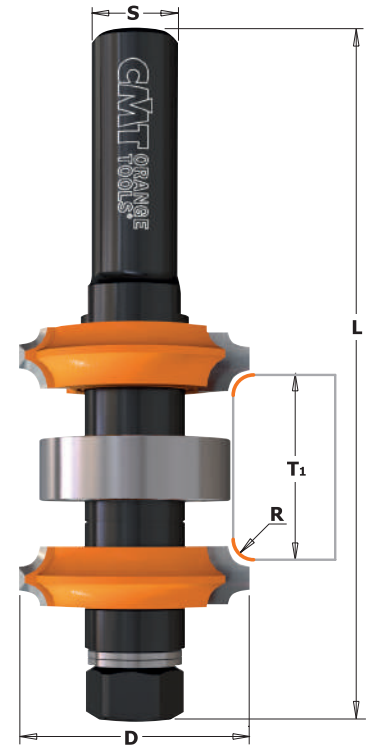
These CMT bits are ideal for making attractive edgework! Create a double 3/16" (4.76mm) roundover profile, a double 45° bevel or even a mixed profile on your wood panels easily and in a cost-effective way! Interchangeable shims are included to allow for different stock thicknesses according to the board.
To be used on table-mounted routers. Do not use these bits with hand-held power tools.



Drawing is 1:1 scale

ORDER NO. S=Ø1/2" shank		D inches	D mm	T_1 inches	R inches	A	L inches	Spare parts			
800.623.11	10	1-1/2	38.1	7/16 - 1-1/4	3/16	45°	3-15/16	824.137.00	791.037.00	45° R3/16" 822.029.11	R 3/16" 45° 822.030.11

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
990.020.00 Nut for arbor, M8 thread

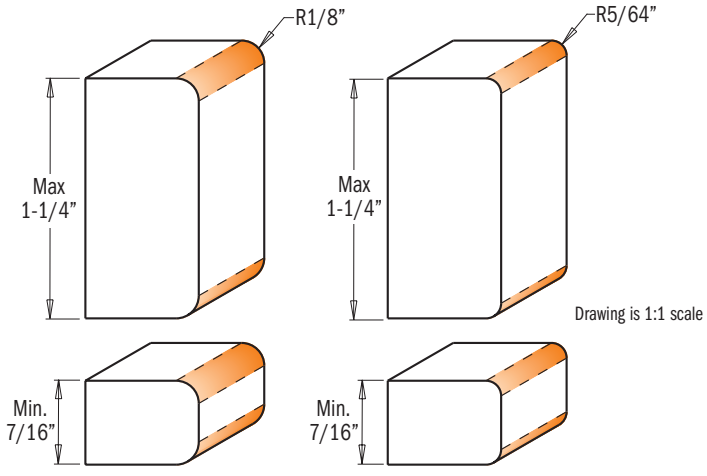


Adjustable Double Roundover Router Bits

800.622

CARBIDE TIPPED | T2 | RH

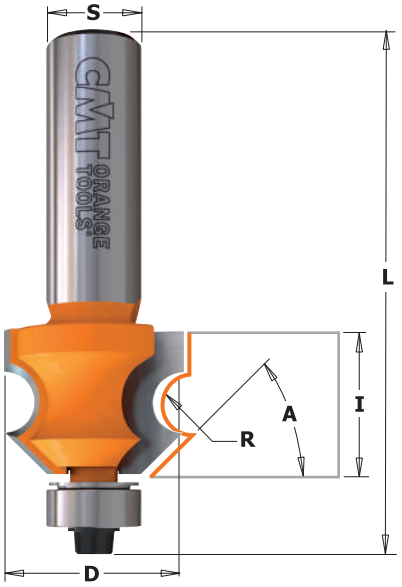
Create awesome furnishing decorations with these new CMT bits! They provide a double 5/64" (2mm) and 1/8" (3mm) roundover profile on your wood panels easily and in a cost-effective way! To be used on table-mounted routers. Do not use these bits with hand-held power tools. Router tables only.



Drawing is 1:1 scale

ORDER NO. S=Ø1/2" shank		D inches	D mm	T_1 inches	R inches	R inches	L inches	Spare parts			
800.622.11	10	1-11/32	34	7/16 - 1-1/4	1/8	5/64	3-15/16	824.137.00	791.037.00	R5/64" R1/8" 822.031.11	R1/8" R5/64" 822.032.11

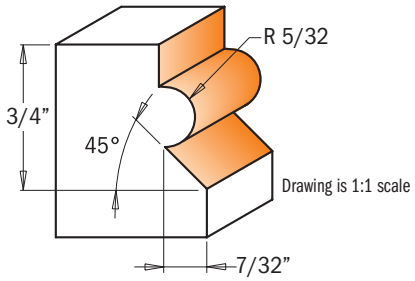
Spare parts: **541.500.00** 3mm spacer
541.515.00 0.1mm spacer
541.517.00 0.5mm spacer
541.518.00 1mm spacer
541.519.00 5.8mm spacer
990.020.00 Nut for arbor, M8 thread



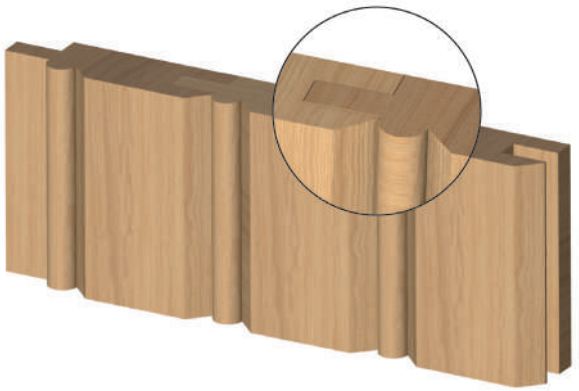
861.6

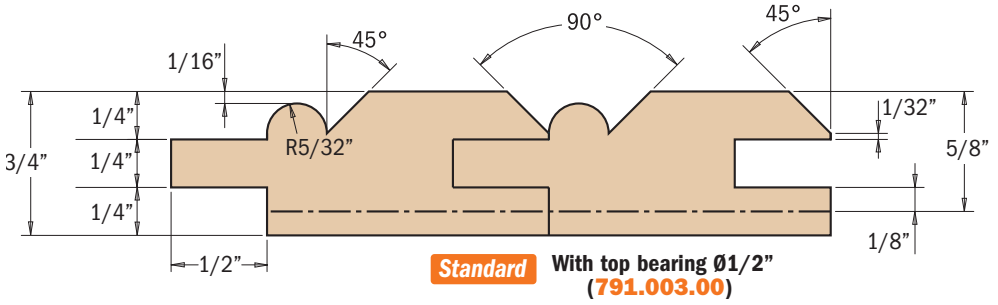
CARBIDE TIPPED T2 RH

This new router bit designed for 3/4" (19mm) thick stock is perfect for creating wainscots and panels on your walls. Simply create a 1/4" (6.35mm) tongue-and-groove interlock with a CMT **800.626.11**, 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 Ø1/2" (791.003.00)**



Optional **With top bearing Ø5/8" (791.018.00)**

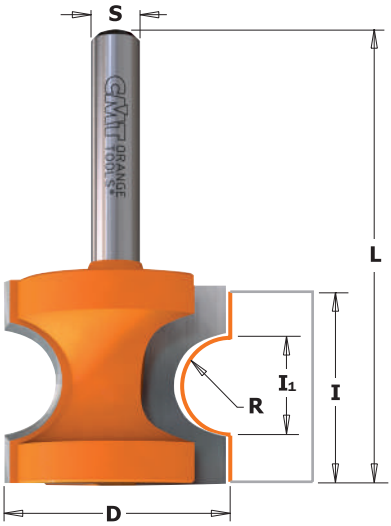
ORDER NO. S=Ø1/2" shank		D inches	D mm	I inches	R inches	A	L inches
861.601.11	10	15/16	23.8	3/4	5/32	45°	2-43/64

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)

Bead & Bull Nose Bits



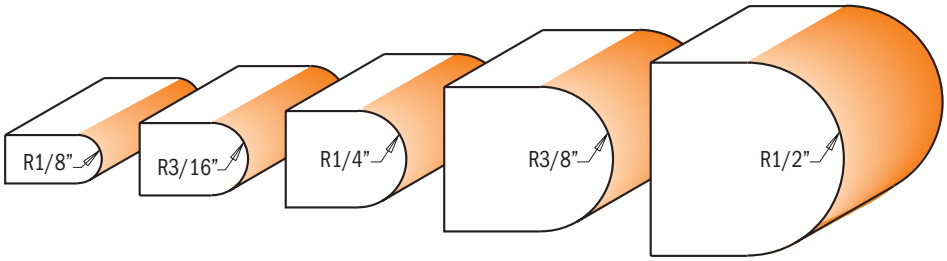
854

CARBIDE TIPPED T2 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.

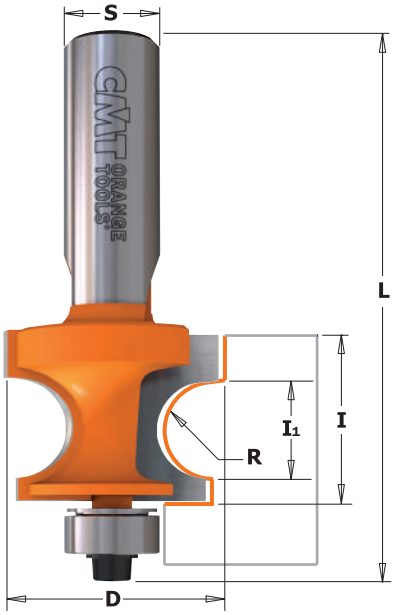
SAFETY TIPS: to be used only on router tables equipped with a fence except in the case Do not remove the workpiece while the bit is routing.

ORDER NO. S=Ø1/4" shank	ORDER NO. S=Ø1/2" shank		R inches	R mm	D inches	I1 inches	I inches	L inches
854.002.11		10	1/8	3.2	7/8	1/4	3/4	2
	854.502.11	10	1/8	3.2	7/8	1/4	3/4	2-1/4
854.003.11		10	3/16	4.75	1	3/8	7/8	2-1/8
	854.503.11	10	3/16	4.75	1	3/8	7/8	2-3/8
854.004.11		10	1/4	6.35	1-1/8	1/2	1	2-1/4
	854.504.11	10	1/4	6.35	1-1/8	1/2	1	2-1/2
	854.507.11	10	3/8	9.52	1-3/8	3/4	1-3/8	2-7/8
	854.509.11	10	1/2	12.7	1-3/4	1-1/16	1-5/8	3-1/8



Drawing is 1:1 scale

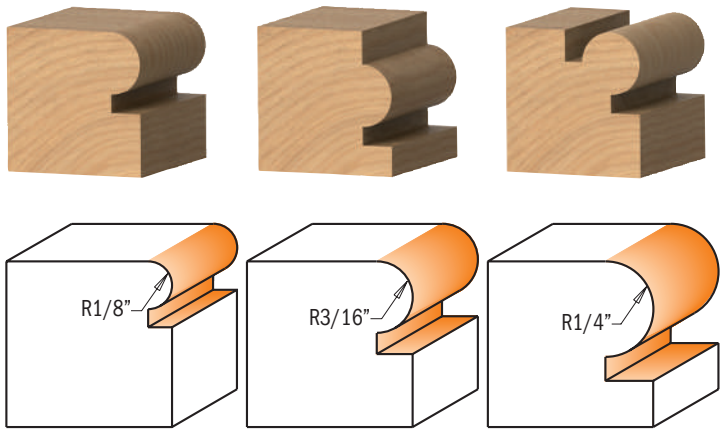
Corner Beading Bits



861

CARBIDE TIPPED α T2 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 P.T.F.E. non-stick coating, these bits provide excellent results on corner beads. Run the bead twice to form a complete corner bead.



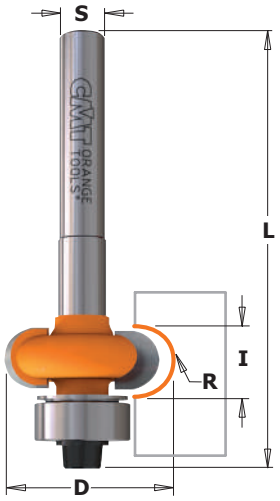
Drawing is 1:1 scale

ORDER NO. S=Ø1/4" shank	ORDER NO. S=Ø1/2" shank		R inches	R mm	D inches	I1 inches	I inches	L inches
861.032.11		10	1/8	3.2	7/8	1/4	19/32	2-1/4
	861.532.11	10	1/8	3.2	7/8	1/4	19/32	2-1/2
861.048.11		10	3/16	4.75	1	3/8	47/64	2-25/64
	861.548.11	10	3/16	4.75	1	3/8	47/64	2-41/64
861.064.11		10	1/4	6.35	1-1/8	1/2	7/8	2-9/16
	861.564.11	10	1/4	6.35	1-1/8	1/2	7/8	2-25/32

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

Spare parts: **991.057.00** 3/32" hex key

Edge-Fluting Bits

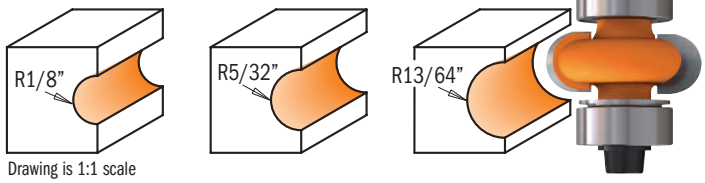


862

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.

CARBIDE TIPPED | T2 | RH

For top bearing version: use bearing 791.010.00 and stop collar 541.001.00 (optional)



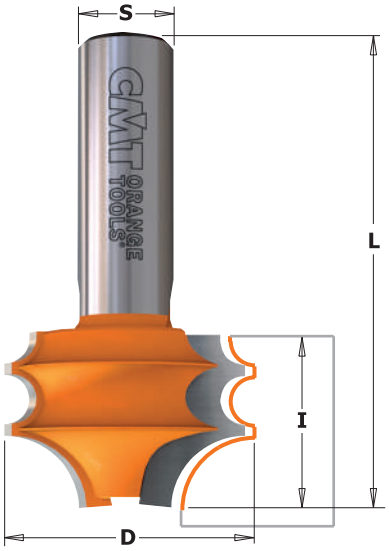
Drawing is 1:1 scale

ORDER NO. S=Ø1/4" shank		R inches	R mm	D inches	I inches	L inches
862.032.11	10	1/8	3.2	3/4	1/4	2-1/4
862.040.11	10	5/32	4	13/16	5/16	2-1/4
862.050.11	10	13/64	5	57/64	25/64	2-1/4

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



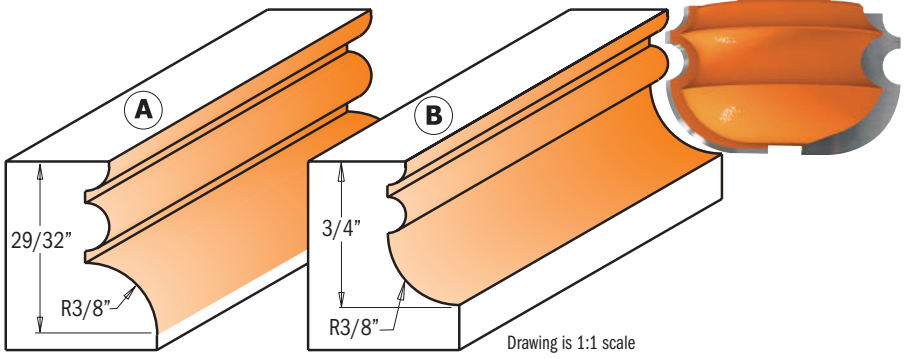
856.852

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.

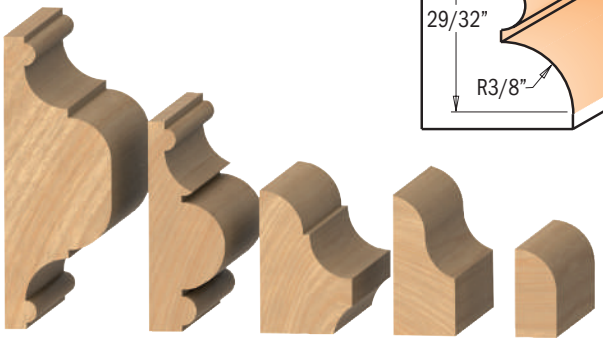
SAFETY TIPS: use these bits with a fence. The profiles shown below are milled from heavy stock then refined to the desired shape.

CARBIDE TIPPED | T2 | RH

856.851



Drawing is 1:1 scale



Chair rail 4 passes | Panel molding 3 passes | Base cap 3 passes | Stop 2 passes | Shoe 1 pass

ORDER NO. S=Ø1/2" shank		D inches	D mm	I inches	L inches	PROFILE
856.852.11	10	1-1/4	31.7	29/32	2-13/32	A
856.851.11	10	1-1/4	31.7	3/4	2-1/4	B

CMT ORANGE TOOLS®

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.

CARBIDE TIPPED | T2 | RH

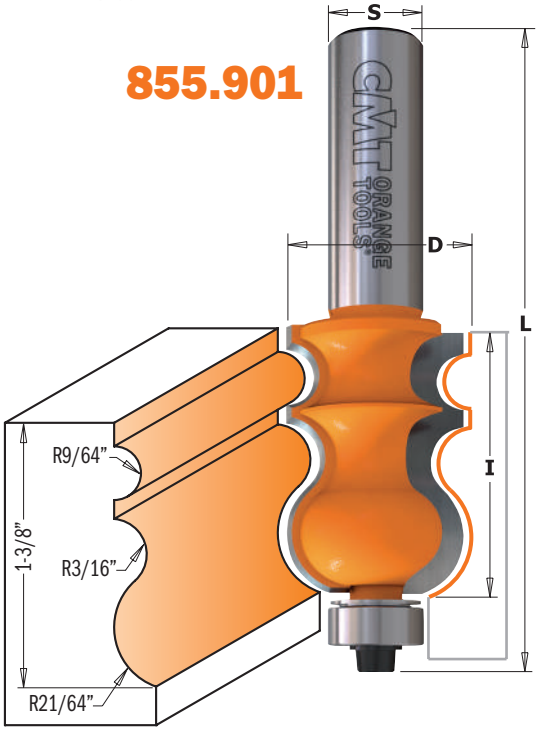
SHOP TIPS: multiple pass operations require advance planning. To avoid making a mistake that could render it impossible to finish the job, carefully consider the entire cutting sequence before you begin.

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.

867.701

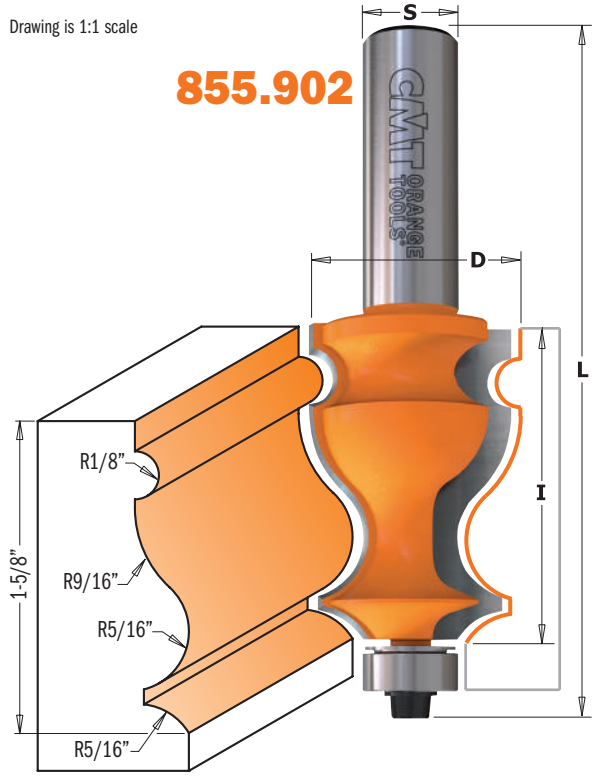


855.901

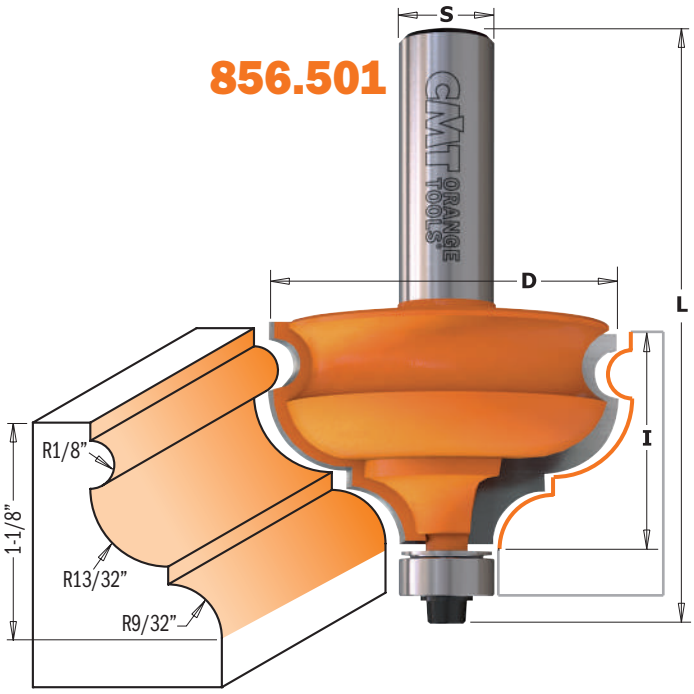


Drawing is 1:1 scale

855.902



856.501

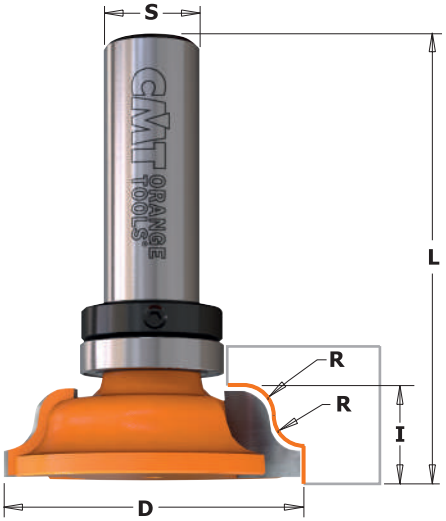


ORDER NO. S=Ø1/2" shank		D inches	D mm	I inches	L inches
855.901.11	10	15/16	23.8	1-3/8	3-5/16
855.902.11	10	1-1/16	27	1-5/8	3-9/16
856.501.11	10	1-7/8	47.6	1-1/8	3-1/16
867.701.11	10	2-1/4	58	1	2-7/8

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

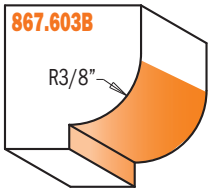
SHOP TIPS: after resharpening, replace bearing 791.003.11 (Ø12.7mm) with undersized bearing **791.063.00** (Ø12.5mm)



867.5B - 867.6B

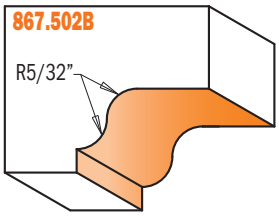
CARBIDE TIPPED | T2 | RH

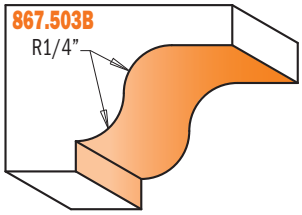
CMT's new moulding bits allow you to shape elegant moldings with your table saw and router. Unlike any commercially available crown mouldings, mouldings made with these bits are easy to install and create a finished appearance. After shaping the cove, you can use special router bits with inverted profiles to create different edges and complete the moulding.





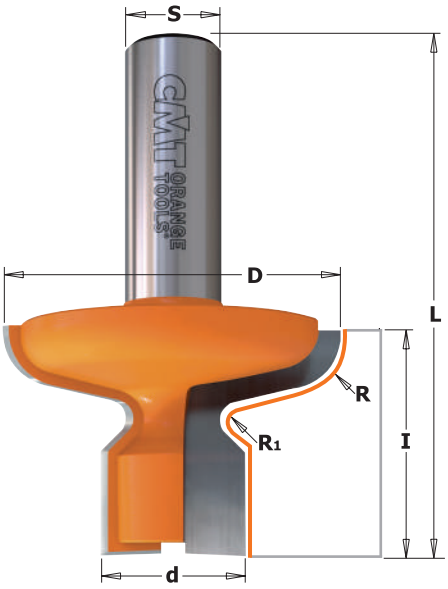
Drawing is 1:1 scale





ORDER NO. S=Ø1/2" shank		R inches	R mm	D inches	I inches	L inches	Spare parts			
867.502.11B	10	5/32	4	2-1/8	29/64	2-19/32	791.011.00	541.002.00	990.005.00	991.056.00
867.601.11B	10	1/4	6.35	1-1/2	31/64	2-1/4	791.011.00	541.002.00	990.005.00	991.056.00
867.603.11B	10	3/8	9.52	1-1/2	37/64	2-21/64	791.011.00	541.002.00	990.005.00	991.056.00

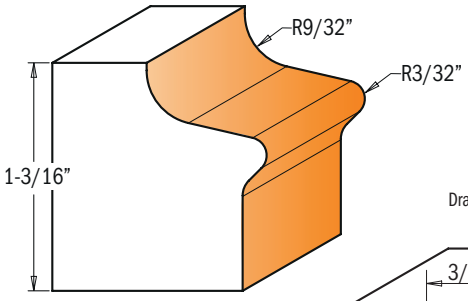
Door Lip Bit & Finger Grip Bit



855.604-606

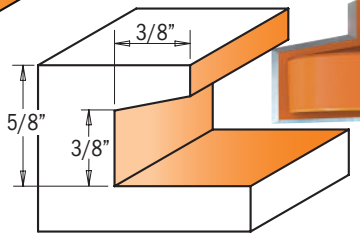
CARBIDE TIPPED | T2 | RH

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.



855.604.11

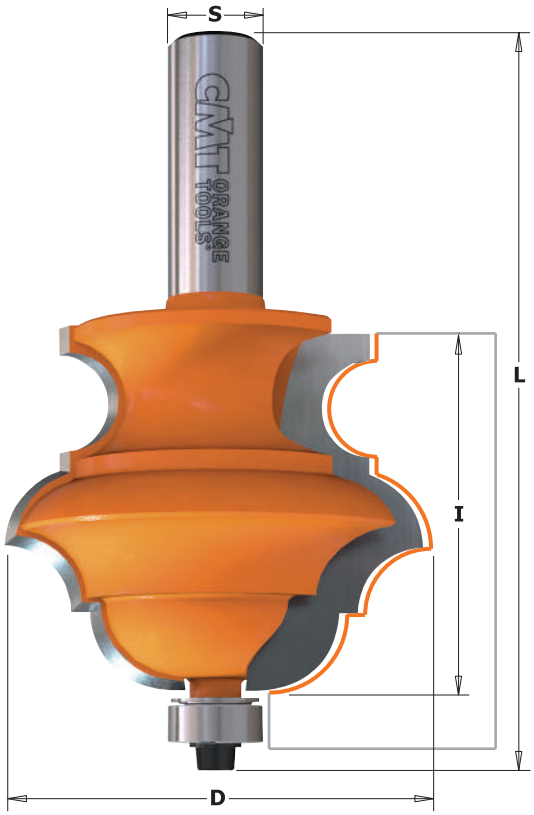
Drawing is 1:1 scale





855.606.11

ORDER NO. S=Ø1/2" shank		D inches	D mm	d inches	I inches	R inches	R1 inches	L inches
855.606.11	10	1-27/64	36	5/8	5/8			2-3/8
855.604.11	10	1-7/8	47.6	7/8	1-3/16	9/32	3/32	2-5/8

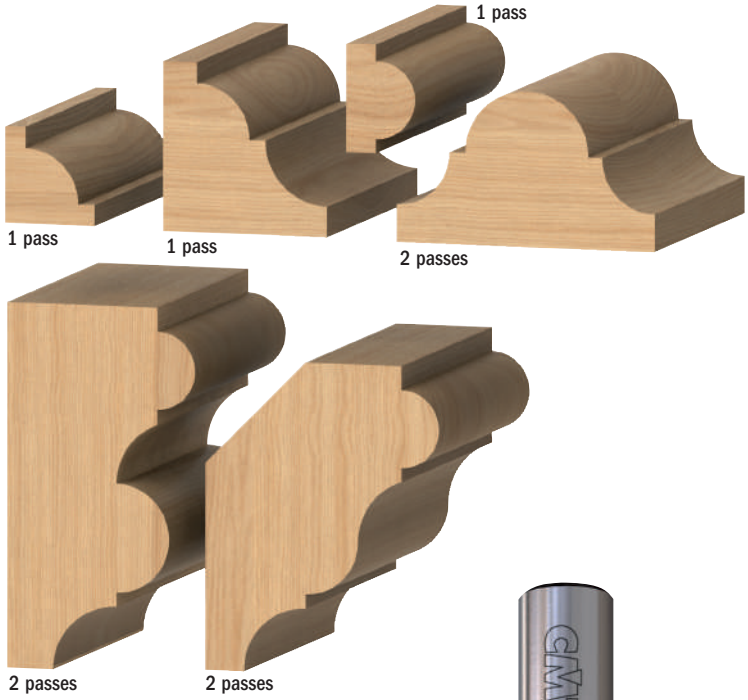


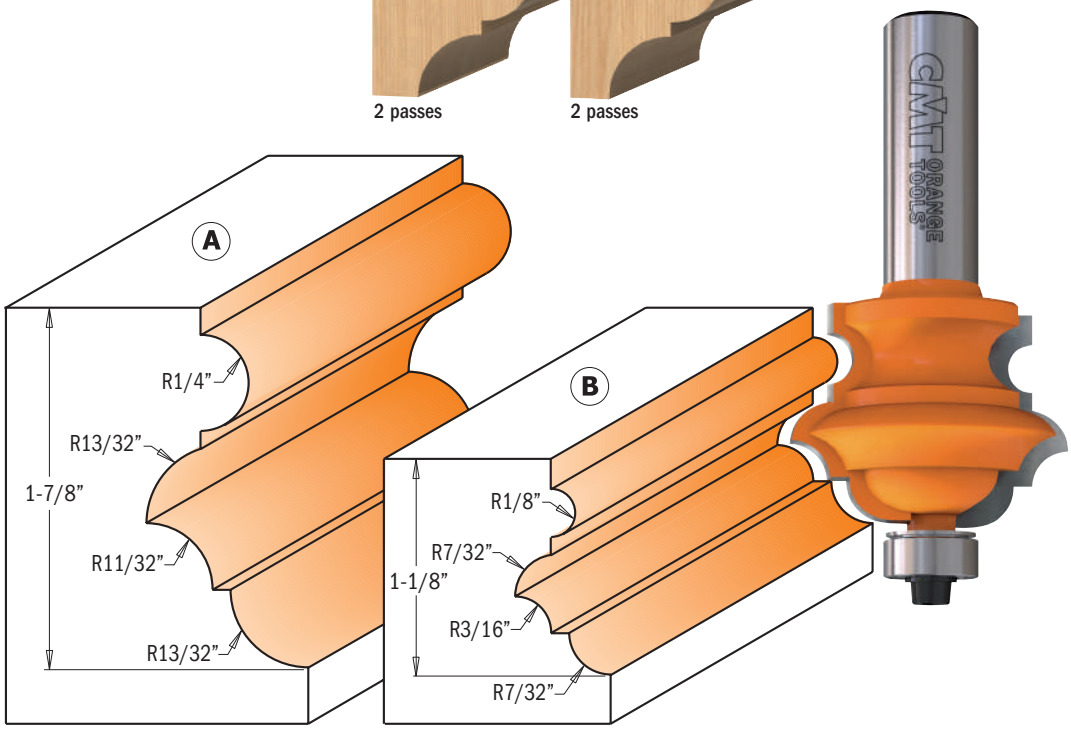
856.8

CARBIDE TIPPED | T2 | 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 micrograin carbide tips remain sharp longer for superior performance. In addition these bits feature non-stick P.T.F.E. 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.



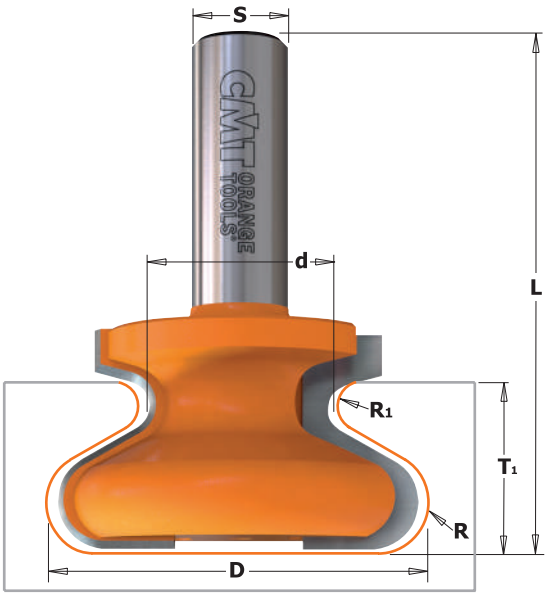


Drawing is 1:1 scale

ORDER NO. S=Ø1/2" shank		D inches	D mm	I inches	L inches	PROFILE
856.802.11	5	2-3/16	55.6	1-7/8	3-25/32	A
856.801.11	10	1-1/2	38.1	1-1/8	3-1/16	B

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



855

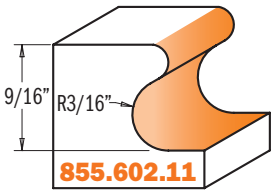
CARBIDE TIPPED T2 RH

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.

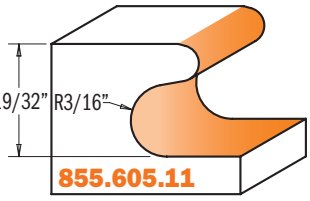




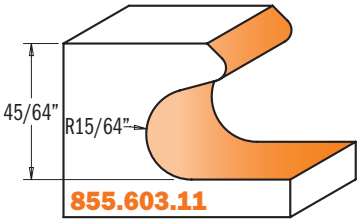
Drawing is 1:1 scale



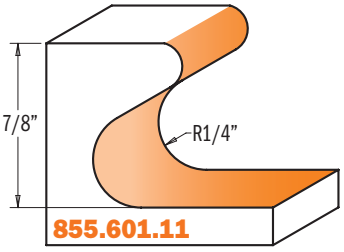
855.602.11



855.605.11

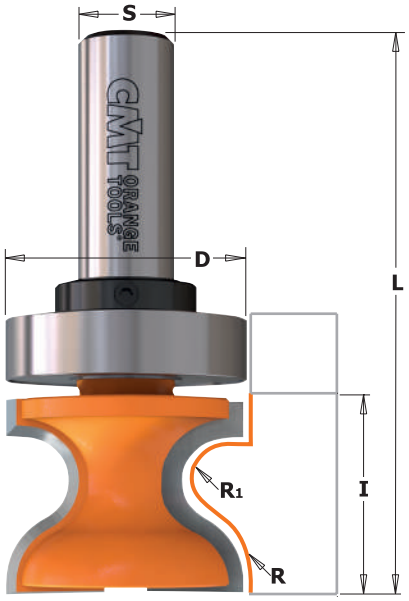


855.603.11



855.601.11

ORDER NO. S=Ø1/2" shank		D inches	D mm	d inches	T_1 inches	I inches	R inches	R_1 inches	L inches
855.602.11	10	3/4	19.05	3/8	9/16	3/4	3/16	3/32	2-1/4
855.605.11	10	1-9/64	29	7/16	19/32	3/4	3/16	3/32	2-3/8
855.603.11	10	1-1/2	38.1	43/64	45/64	13/16	15/64	5/64	2-7/16
855.601.11	10	1-7/8	47.6	15/16	7/8	1-1/8	1/4	1/8	2-5/8

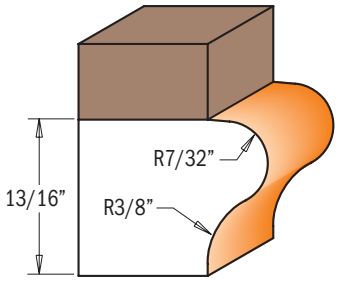


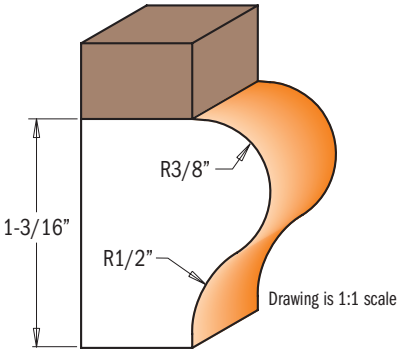
Window Sill & Finger Bits

855.8 - 855.8B

CARBIDE TIPPED T2 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.





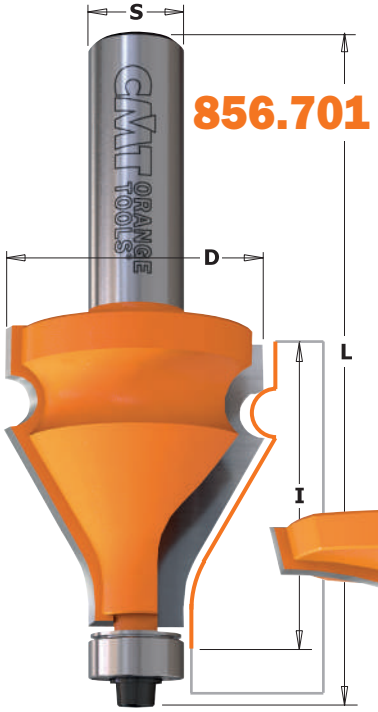
Drawing is 1:1 scale

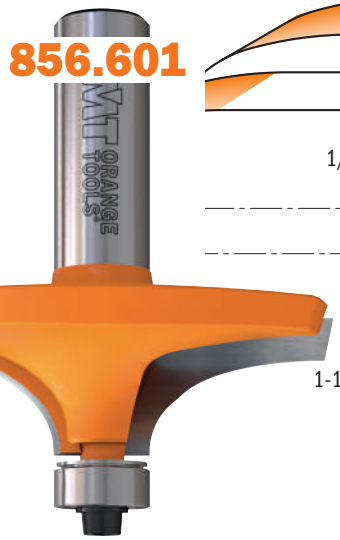
ORDER NO. S=Ø1/2" shank		R inches	R mm	R_1 inches	D inches	I inches	L inches
855.804.11	10	3/8	9.52	7/32	1-1/4	1	2-7/8
855.805.11	10	1/2	12.7	3/8	1-1/2	1-3/8	3-3/8
WITH TOP BEARING							
855.804.11B	10	3/8	9.52	7/32	1-1/4	1	2-7/8
855.805.11B	10	1/2	12.7	3/8	1-1/2	1-3/8	3-3/8

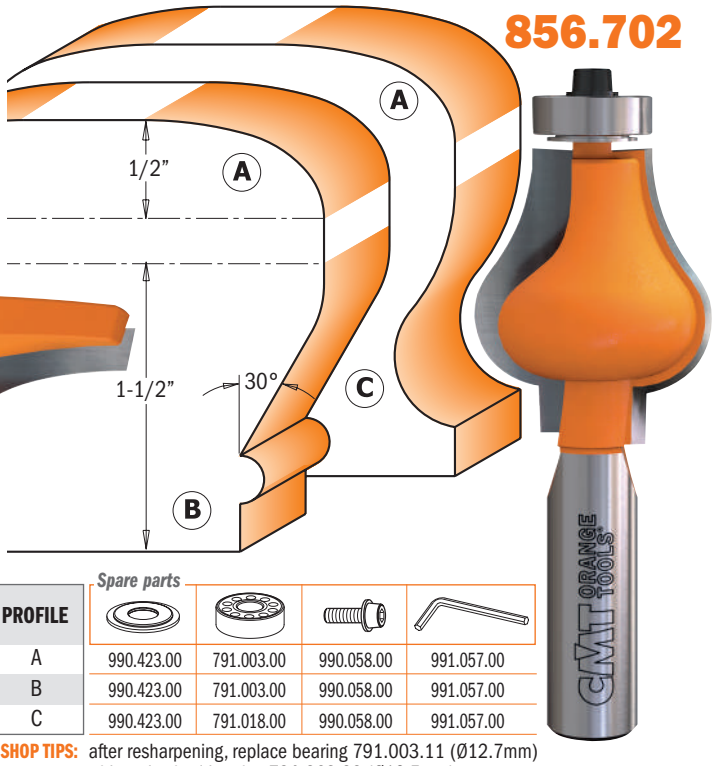
Spare parts

791.015.00	541.002.00	990.005.00	991.056.00
791.020.00	541.002.00	990.005.00	991.056.00

Table Edge & Hand Rail Bits







CARBIDE TIPPED | α | T2 | RH

The **856.601.11** guarantees well-proportioned smooth curves. Complete the job with the **856.701.11** 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.

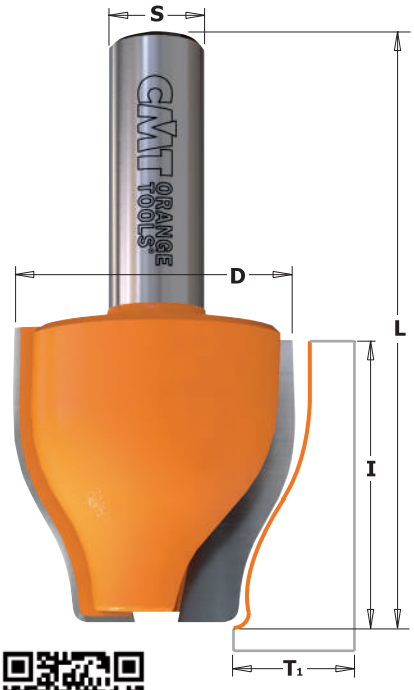
ORDER NO. S=Ø1/2” shank		D inches	D mm	I inches	L inches	PROFILE
856.601.11	5	2-1/2	63.5	3/4	2-11/16	A
856.701.11	10	1-3/8	35	1-1/2	3-7/16	B
856.702.11	10	1-1/4	31.7	1-1/2	3-13/32	C

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)

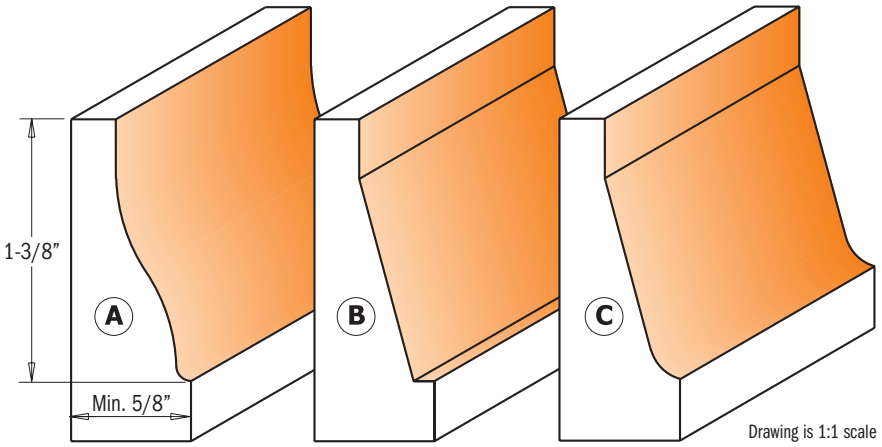
Vertical Raised Panel Bits



890.6

CARBIDE TIPPED | α | T2 | 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.

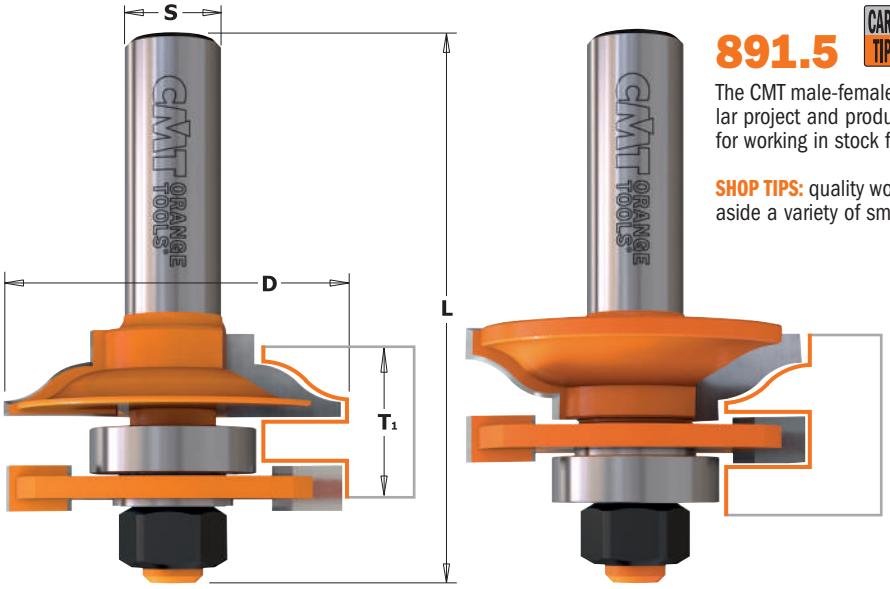


Drawing is 1:1 scale

SAFETY TIPS: the template must be at least 6” (150mm) and clamps should be used whenever possible. Three to five passes are recommended to safely and accurately obtain the profile you desire.

ORDER NO. S=Ø1/2” shank		D inches	D mm	I inches	T1 inches	L inches	PROFILE
890.601.11	10	1-1/2	38.1	1-1/2	19/32-23/32	3	A
890.602.11	10	1-1/2	38.1	1-1/2	19/32-23/32	3	B
890.603.11	10	1-1/2	38.1	1-1/2	19/32-23/32	3	C

CMT ORANGE TOOLS®



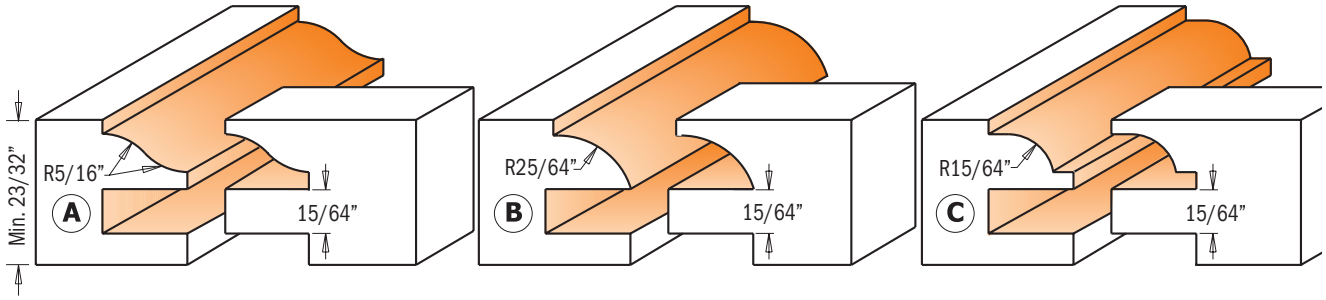
891.5

CARBIDE TIPPED | α | T2 | 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 11/16" to 7/8".

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



ORDER NO. S=Ø1/2" shank		D inches	D mm	T1 inches	L inches	PROFILE
891.501.11	5	1-3/4	44.5	23/32 - 7/8	2-51/64	A
891.502.11	5	1-3/4	44.5	23/32 - 7/8	2-51/64	B
891.503.11	5	1-3/4	44.5	23/32 - 7/8	2-51/64	C

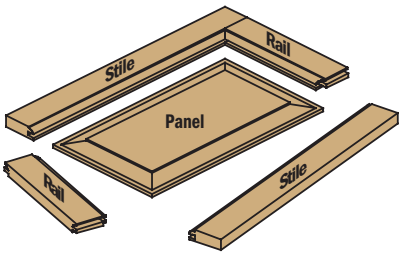
Spare parts

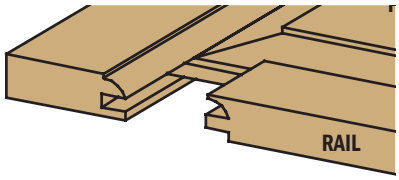
		0.1mm	0.3mm	0.9mm	
822.003.11	791.012.00	541.515.00	514.516.00	990.407.00	990.020.00
822.003.11	791.012.00	541.515.00	514.516.00	990.407.00	990.020.00
822.003.11	791.012.00	541.515.00	514.516.00	990.407.00	990.020.00

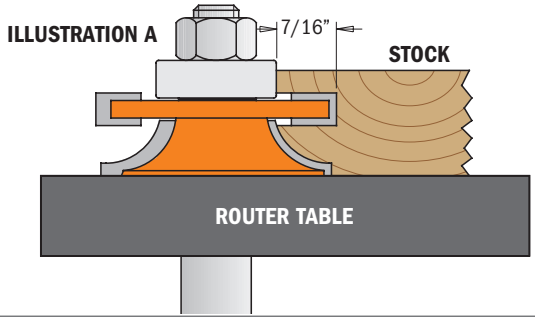
THE ABC'S OF PANEL DOOR CONSTRUCTION (PART 1)

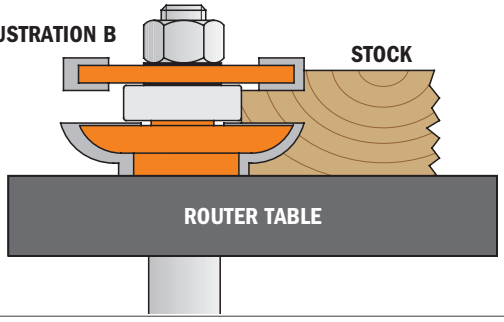
In our step-by-step example of panel door construction, we used the following:
- CMT Rail & Stile set (item #891.502.11)
- CMT Reverse Glue Joint (item #855.501.11)
- pre-cut to length stiles - 3/4" thick x 2-1/4" wide
- pre-cut to length rails - 3/4" thick x 2-1/4" wide
- panel - 5/8" thick
- scrap stock for test cuts

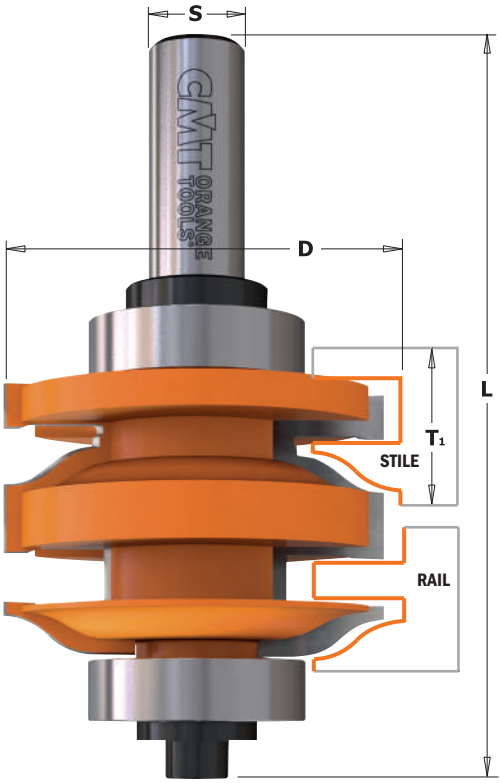
The CMT Rail & Stile set was designed primarily for the construction of panel doors with 3/4" thick rails and stiles, but stock up to 7/8" thick can be used. Remember to adjust your measurements and cutting depths according to the wood thickness you use.









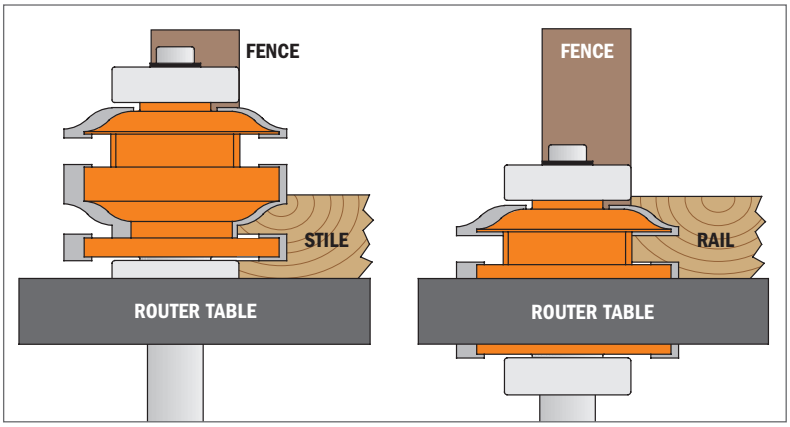


891.521

CARBIDE TIPPED | T2 | 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.



ORDER NO. S=Ø1/2" shank		D inches	D mm	T1 inches	L inches
891.521.11	10	2	50.8	23/32 - 7/8	3-25/32

Spare parts

791.027.00	541.002.00	990.005.00	991.056.00	541.551.00	990.010.00	991.064.00

THE ABC'S OF PANEL DOOR CONSTRUCTION (PART 2)

CREATING THE RAILS AND STILES

First, make trial cuts of the cope profile (rail) and the stick profile (stile) in scrap stock. Then check the accuracy of the joint. This is extremely important, especially when working at the maximum thickness of 7/8". Make sure your stock is flat and cut straight with square edges. Using the CMT Stile Bit shown in illustration A, place the stock 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 in the ends. Before cutting the rails to length, be sure to allow enough length for the overlap of the cope and stick profiles. The stiles are the same length as the door. The rails must be calculated by the following equation (CMT standard tenon length is 7/16"):
(total door width - sum of stile widths) + sum of 2 tenons = total rail length
Therefore, using our example measurements listed above, for a 12" wide cabinet door:
12" - 4-1/2" + 7/8" = 8-3/8" rail length.

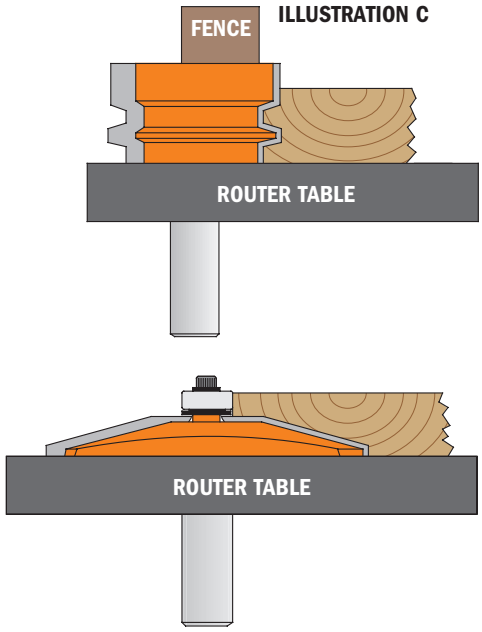
GLUING UP PANELS

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 easily accomplished using the CMT Reverse Glue Joint bit. For a two panel glue joint, place the first panel 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 center point of the bit as illustrated in illustration B and mill the cut edge of the wood. Place the second panel 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.

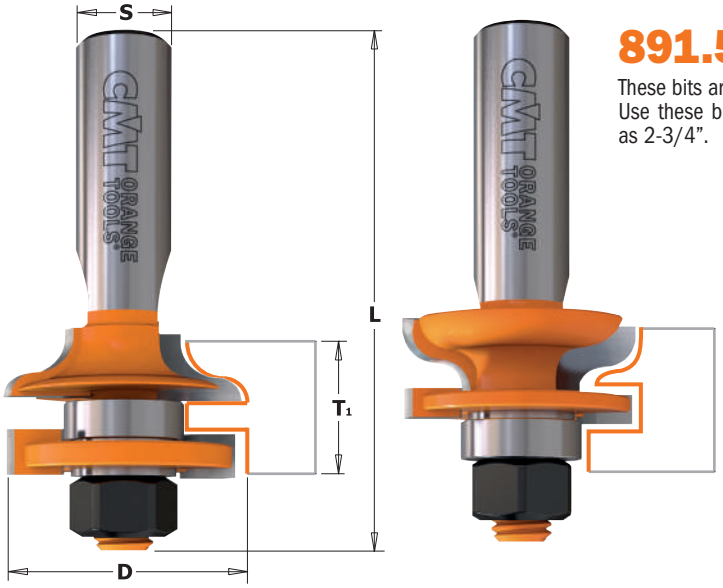
MILLING THE FLOATING PANEL

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 5/16" (The New CMT Raised Panel Bit profile has a 3/8" 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 24" long cabinet door: (24 - 4-1/2") + 5/8" = 20-1/8" panel length
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 face side down on the router table 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 cut.

ILLUSTRATION C



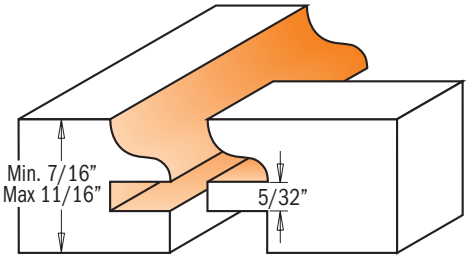
Junior Ogee Rail & Stile Set



891.517

CARBIDE TIPPED | α | T2 | RH

These bits are designed for those special projects that require a smaller panel door. Use these bits with stock from 7/16" to 11/16" thick, and build doors as small as 2-3/4".



Drawing is 1:1 scale

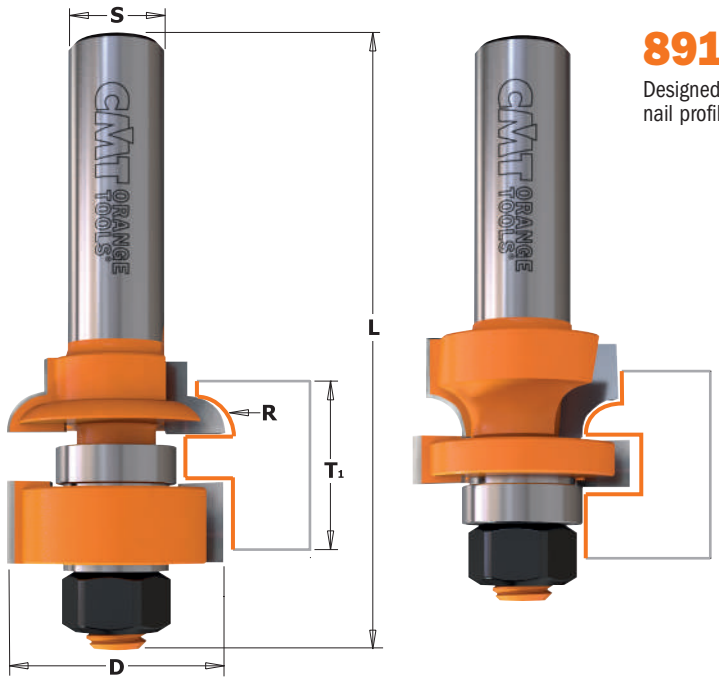
ORDER NO. S=Ø1/2" shank		D inches	D mm	T1 inches	L inches
891.517.11	5	1-1/4	31.7	7/16 - 11/16	2-41/64

Spare parts

5/32"	15/64"		
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

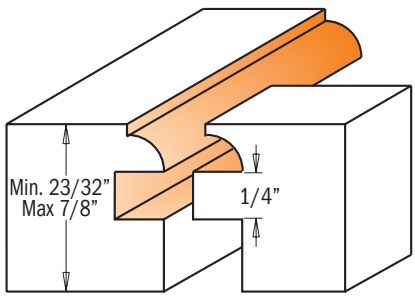
Rail & Stile Set



891.512

CARBIDE TIPPED | α | T2 | RH

Designed for fine furniture construction, these bits mill a delicate 3/16" thumbnail profile in stock from 23/32" to 7/8".



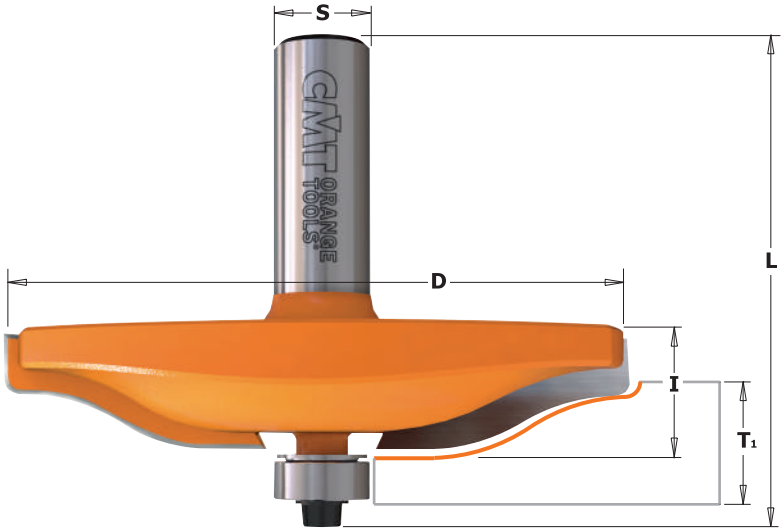
Drawing is 1:1 scale

ORDER NO. S=Ø1/2" shank		D inches	D mm	R inches	T1 inches	L inches
891.512.11	10	1-1/8	28.7	3/16	23/32 - 7/8	3-1/8

Spare parts

1/4"	27/64"		
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

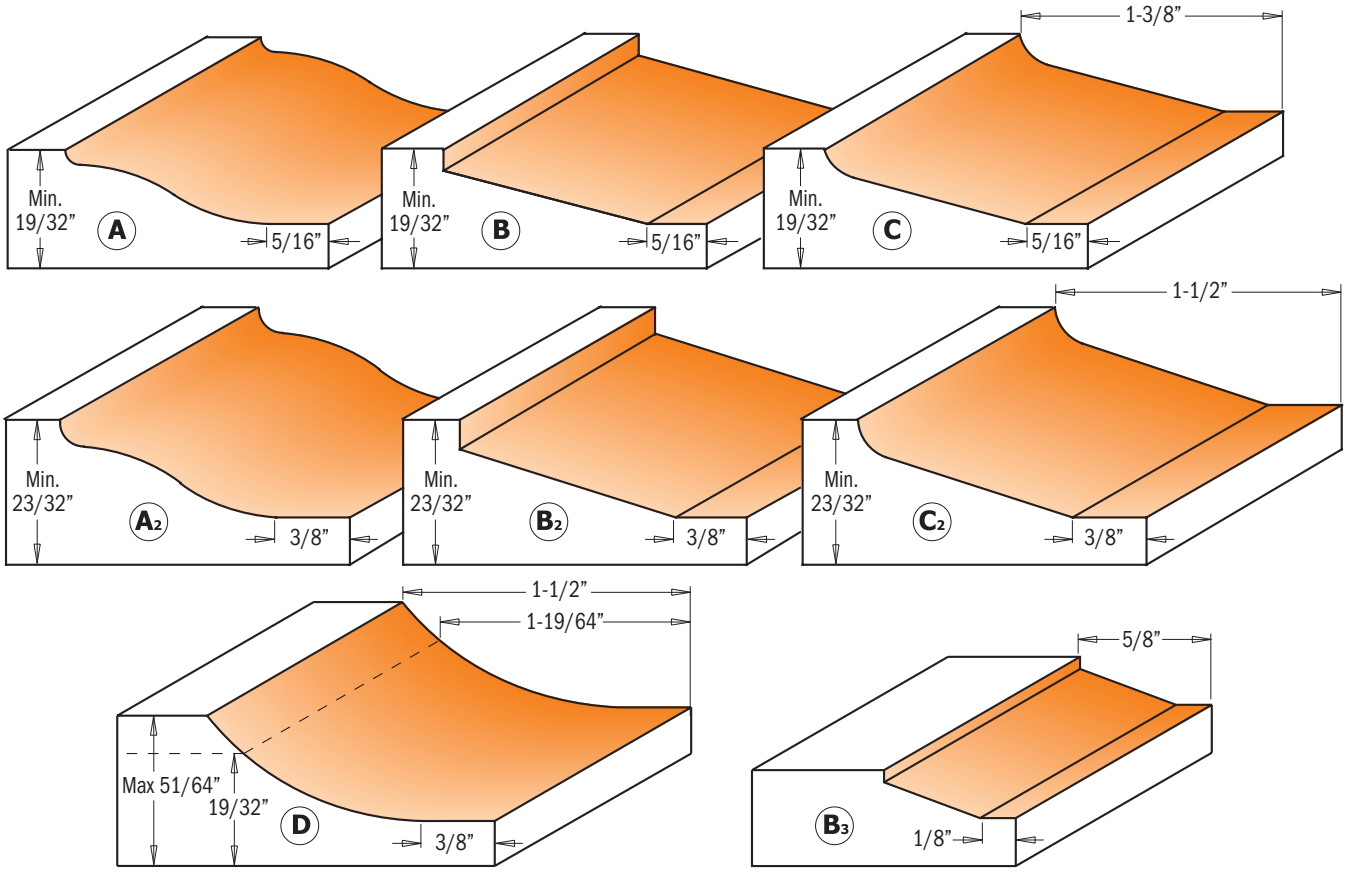


CARBIDE TIPPED | T2 | RH

890

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 Watt or 2-1/4 HP.



ORDER NO. S=Ø1/2" shank		D inches	D mm	I inches	T1 inches	L inches	PROFILE
890.501.11	5	3-1/4	82.5	19/32	19/32 - 23/32	2-1/2	A
890.502.11	5	3-1/4	82.5	19/32	19/32 - 23/32	2-1/2	B
890.503.11	5	3-1/4	82.5	19/32	19/32 - 23/32	2-17/32	C
890.504.11	5	3-1/2	89	19/32	23/32 - 25/32	2-17/32	A2
890.505.11	5	3-1/2	89	19/32	23/32 - 25/32	2-17/32	B2
890.506.11	5	3-1/2	89	19/32	23/32 - 25/32	2-17/32	C2
890.507.11	5	3-1/2	89	19/32	23/32 - 25/32	2-17/32	D
890.512.11	10	1-7/8	47.6	3/8	1/2 - 19/32	2-9/32	B3

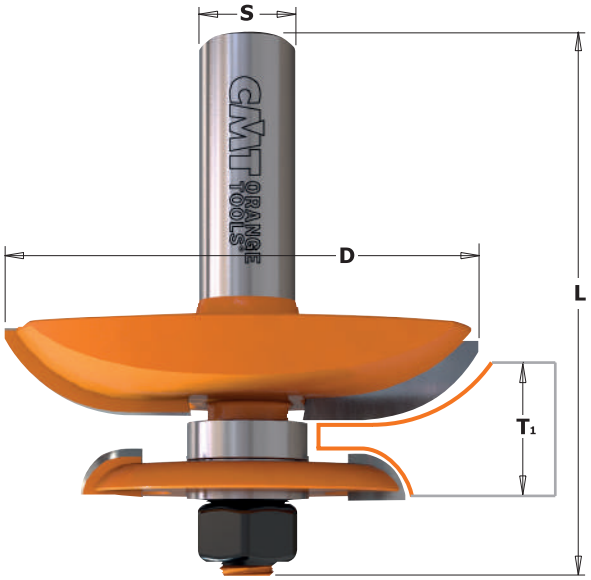
Spare parts			
990.423.00	791.003.00	990.058.00	991.057.00
990.423.00	791.003.00	990.058.00	991.057.00
990.423.00	791.003.00	990.058.00	991.057.00
990.423.00	791.003.00	990.058.00	991.057.00
990.423.00	791.003.00	990.058.00	991.057.00
990.423.00	791.003.00	990.058.00	991.057.00
990.423.00	791.003.00	990.058.00	991.057.00
990.423.00	791.003.00	990.058.00	991.057.00

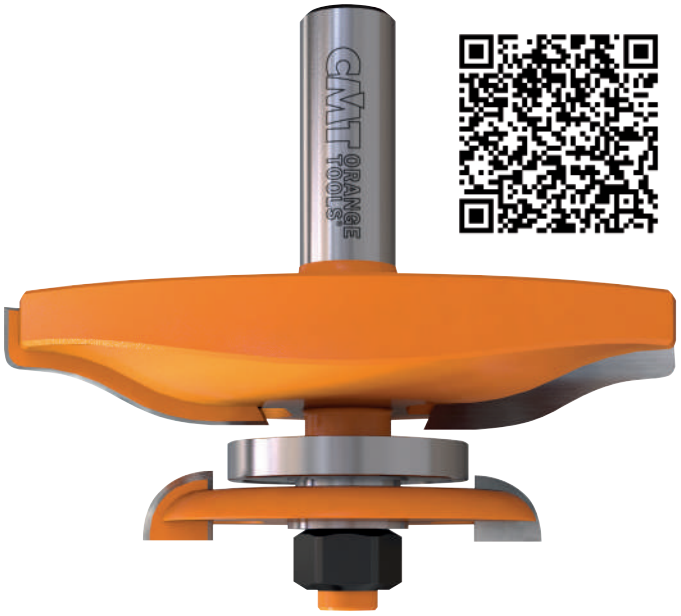
890.5

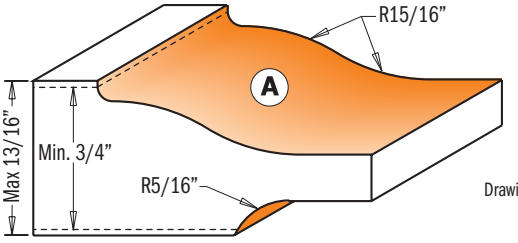
CARBIDE TIPPED | T2 | RH

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.

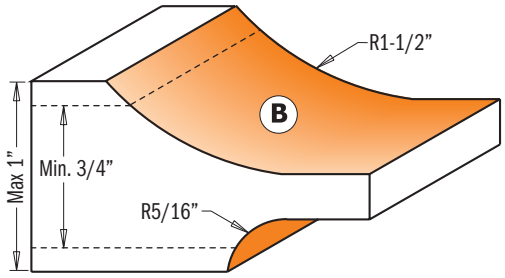
SAFETY TIPS: to ensure improved safety when using the Ø3-1/2" (Ø89mm) bit, carry out the cut in 2 shallow passes: use a 1-29/64" (Ø37mm) bearing for the first pass, and then a 5/8" (Ø16mm) bearing for the second pass.

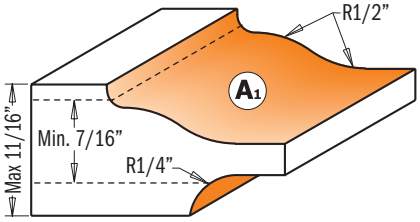


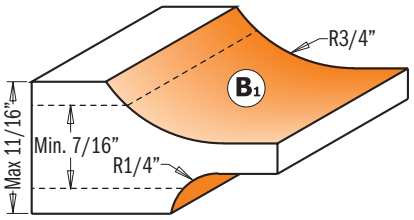


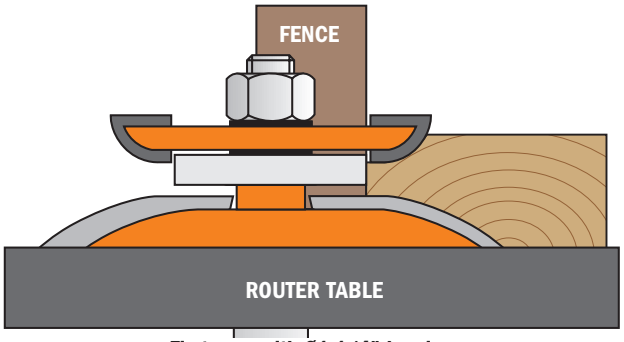


Drawing is 1:1 scale

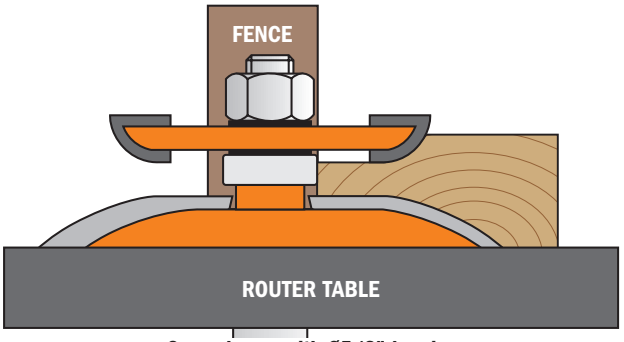








First pass with Ø1-1/4" bearing



Second pass with Ø5/8" bearing

ORDER NO. S=Ø1/2" shank		D inches	D mm	T1 inches	L inches	PROFILE
890.524.11	5	3-1/2	89	3/4 - 13/16	3-5/64	A
890.527.11	5	3-1/2	89	3/4 - 1	3-5/64	B
890.534.11	5	2-1/2	63.5	7/16 - 11/16	2-3/4	A1
890.537.11	5	2-1/2	63.5	7/16 - 11/16	2-3/4	B1

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

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

870

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.

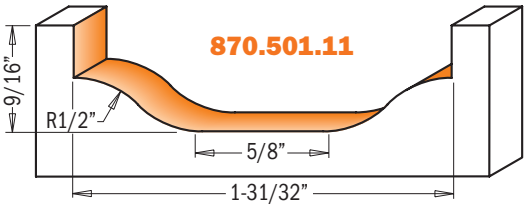
PANEL BITS

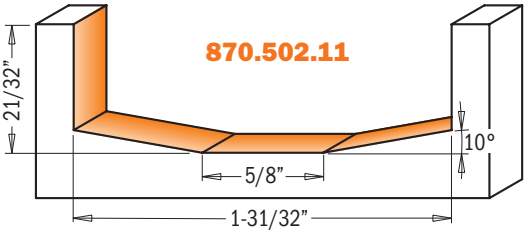


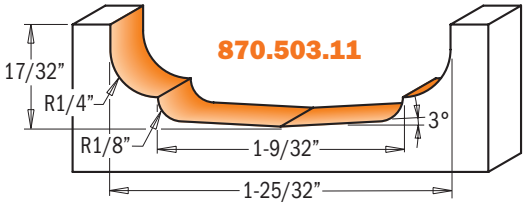


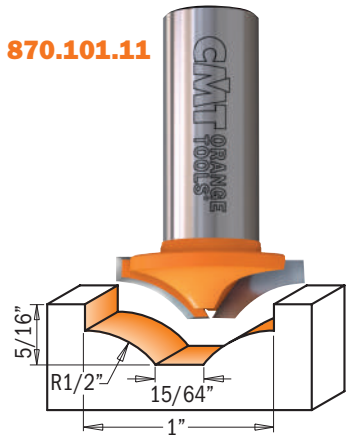


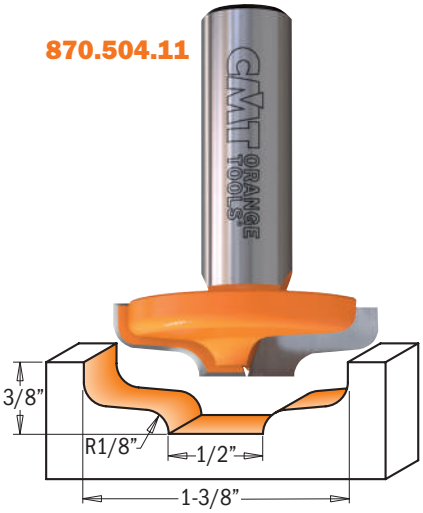
STILE BITS

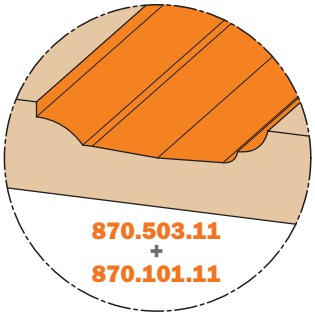


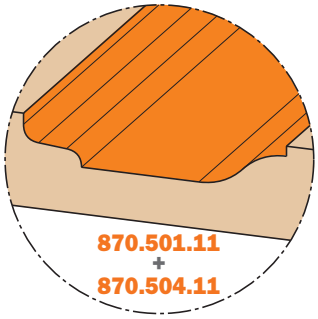








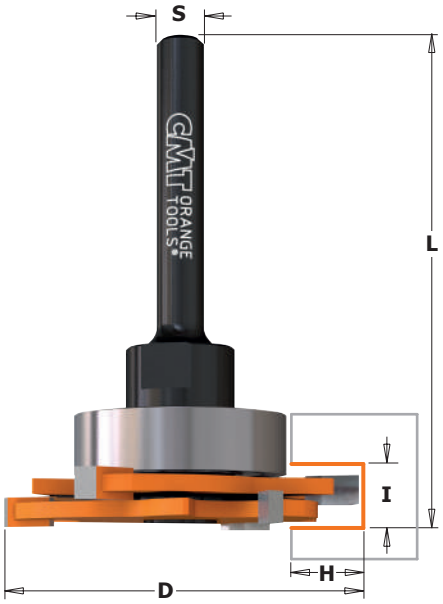




Drawing is 1:1 scale

ORDER NO. S=Ø1/2" shank		D inches	D mm	d inches	l inches	R inches	A	L inches
870.101.11	10	63/64	25	15/64	5/16	15/32		1-9/16
870.501.11	10	1-31/32	50	5/8	9/16	15/32		2-1/16
870.502.11	10	1-31/32	50	5/8	43/64		10°	2-11/64
870.503.11	10	1-49/64	45	1-9/32	17/32	1/8-1/4	3°	2-1/32
870.504.11	10	1-3/8	35	1/2	3/8	1/8		1-7/8

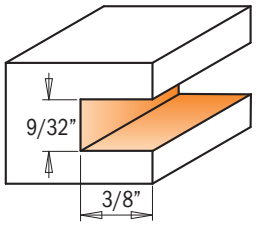
3-Flute Slot Cutter for STRIPLOX® Mini



823.371

CARBIDE TIPPED | T3+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 tight and strong joints either in permanent or temporary structures making them perfectly suited for commercial, fit-outs, domestic and architectural furniture, kitchen, bathroom, wardrobe closets and cabinetry.



Drawing is 1:1 scale





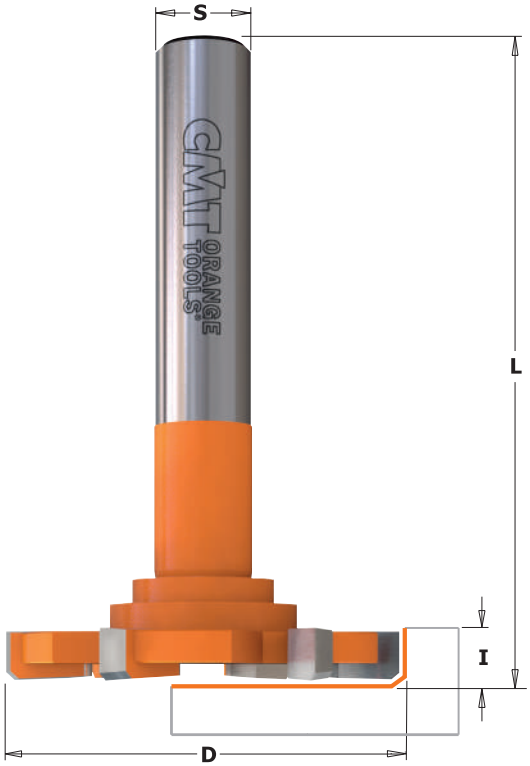
ORDER NO. S=Ø1/4” shank		I inches	I mm	D inches	H inches	L inches
823.371.11A	10	9/32	7	1-7/8	3/8	2-9/16

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

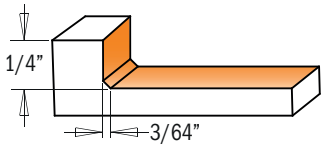
Solid Surface - Counter-Top Trim Router Bits



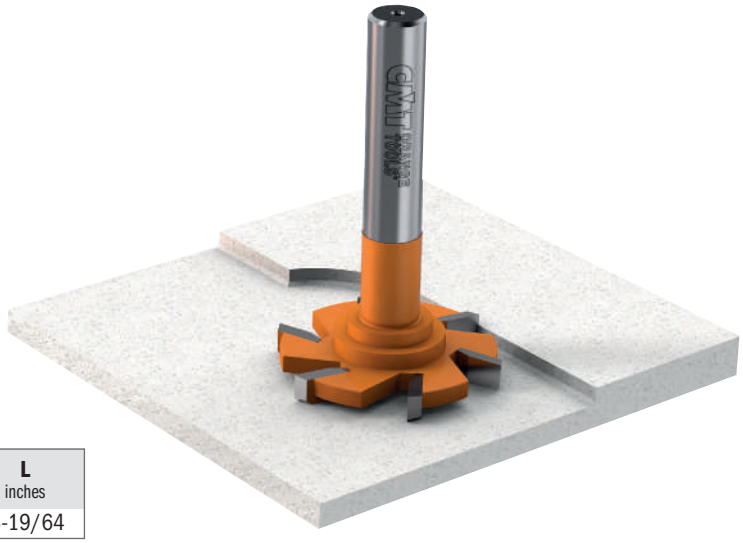
822.034

CARBIDE TIPPED | T6 | 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.



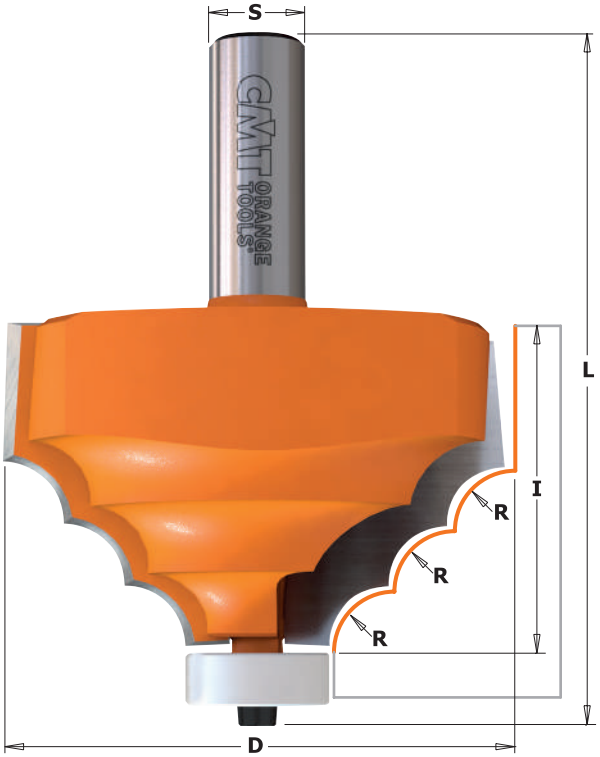
Drawing is 1:1 scale



ORDER NO. S=Ø1/2” shank		D inches	D mm	I inches	L inches
822.034.11	5	2-3/64	52	1/4	3-19/64

® Brand names mentioned in CMT products are the property of their respective owners (see page 376)

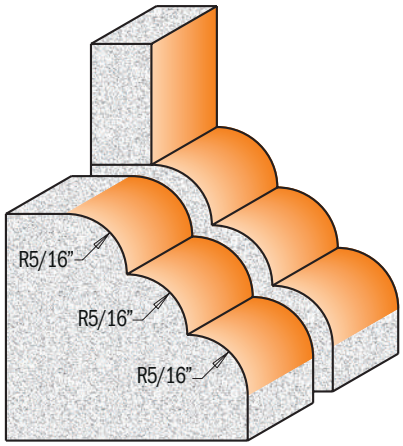
Solid Surface - Decorative Edge Profile Bits



880.521

CARBIDE TIPPED | T2 | 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.

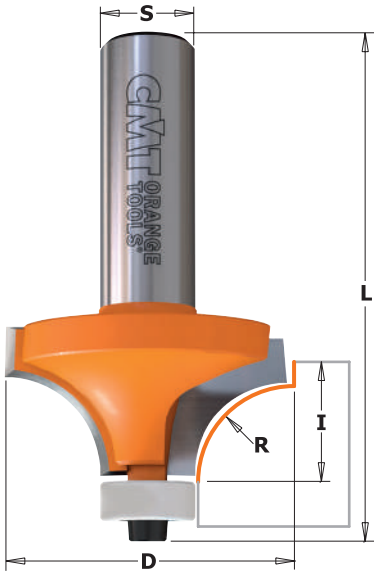


Drawing is 1:1 scale

APPLICATION
WILSONART®
GIBRALTAR®
CORIAN®
SURELL®
FOUNTAINHEAD®
AVONITE®
FORMICA®
Etc.

ORDER NO. S=Ø1/2" shank		D inches	D mm	I inches	R inches	L inches	Spare parts		
880.521.11	5	2-5/8	66.7	1-5/8	5/16	3-17/32	791.046.00	990.058.00	991.057.00

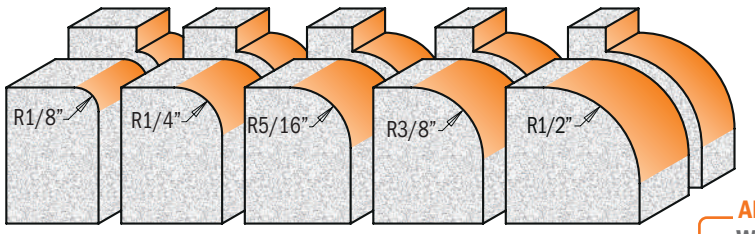
Solid Surface - Rounding Over Bits



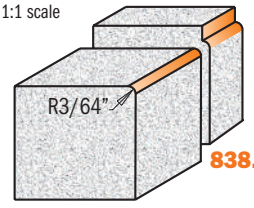
838 - 880.5

CARBIDE TIPPED | T2 | 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.



Drawing is 1:1 scale



838.147.11

APPLICATION
WILSONART®
GIBRALTAR®
CORIAN®
SURELL®
FOUNTAINHEAD®
AVONITE®
FORMICA®
Etc.

ORDER NO. S=Ø1/4" shank	ORDER NO. S=Ø1/2" shank		D inches	D mm	I inches	R inches	L inches	Spare parts		
838.147.11		10	37/64	14.7	3/8	3/64	2	990.422.00	791.044.00	990.058.00
	880.501.11	10	3/4	19.05	1/2	1/8	2-11/32	990.422.00	791.044.00	990.058.00
	880.502.11	10	1	25.4	1/2	1/4	2-11/32	990.422.00	791.044.00	990.058.00
	880.505.11	10	1-1/8	28.7	19/32	5/16	2-29/64	990.422.00	791.044.00	990.058.00
	880.503.11	10	1-1/4	31.75	9/16	3/8	2-25/64	990.422.00	791.044.00	990.058.00
	880.504.11	10	1-1/2	38.1	3/4	1/2	2-19/32	990.422.00	791.044.00	990.058.00

Spare parts: **991.057.00** 3/32" hex key

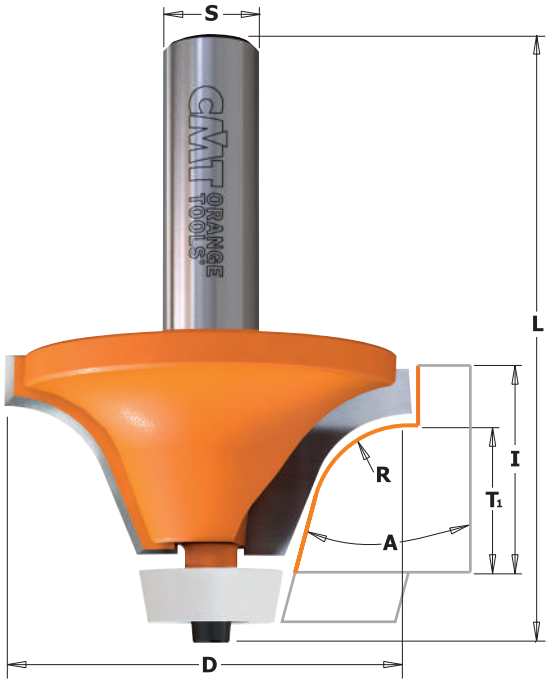
® Brand names mentioned in CMT products are the property of their respective owners (see page 376)

Solid Surface - Rounding Over Bowl Bits

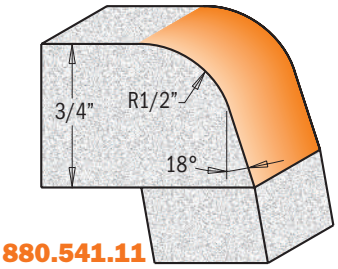
866.6 - 880.541

CARBIDE TIPPED | T2 | RH

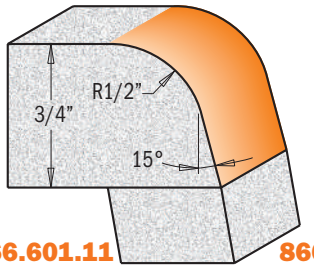
These bits are the best tool for rounding over and trimming countertop edges after the bowl is mounted. Can be used together with the CMT **880.551.11** bevel cutter for a flush cut-out between the countertop and the installed undermount bowl. For use on hand-held routers. Features a non-marring DELRIN® bearing to protect the finished edges as well as surfaces.



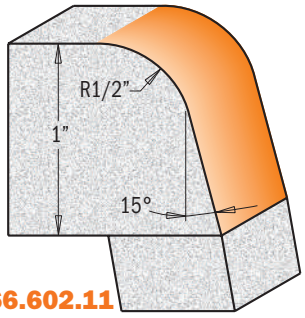
Drawing is 1:1 scale



880.541.11



866.601.11



866.602.11

APPLICATION
WILSONART®
GIBRALTAR®
CORIAN®
SURELL®
FOUNTAINHEAD®
AVONITE®
FORMICA®
Etc.

ORDER NO. S=Ø1/2" shank		D inches	D mm	T1 inches	I inches	R inches	A	L inches
866.601.11	10	2	50.8	3/4	1	1/2	15°	2-61/64
866.602.11	10	2	50.8	1	1-1/4	1/2	15°	3-13/64
880.541.11	10	2-1/8	54	3/4	1	1/2	18°	3-5/64

Spare parts

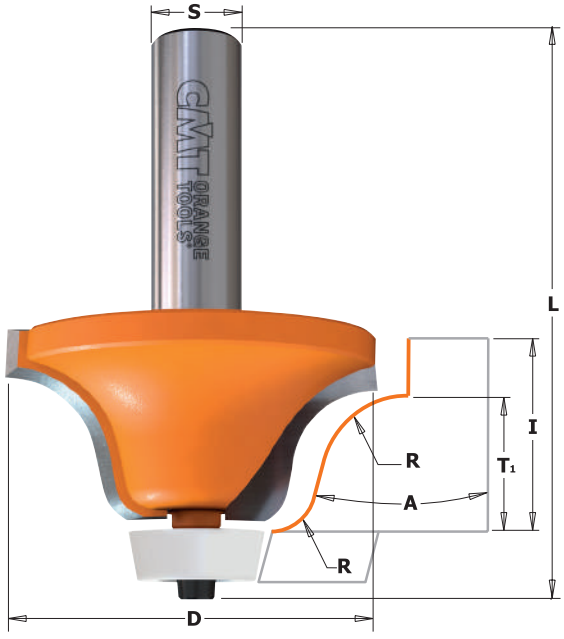
791.041.00	990.058.00	991.057.00
791.041.00	990.058.00	991.057.00
791.041.00	990.058.00	991.057.00

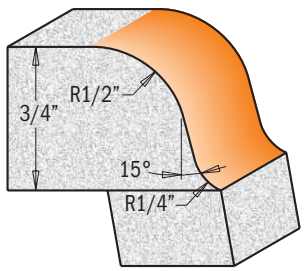
Solid Surface - Rounding Over Bowl Bit (ogee profile)

880.542

CARBIDE TIPPED | T2 | RH

These bits roundover and trim the countertop edges after the bowl is mounted. Can be used with the CMT **880.551.11** 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.

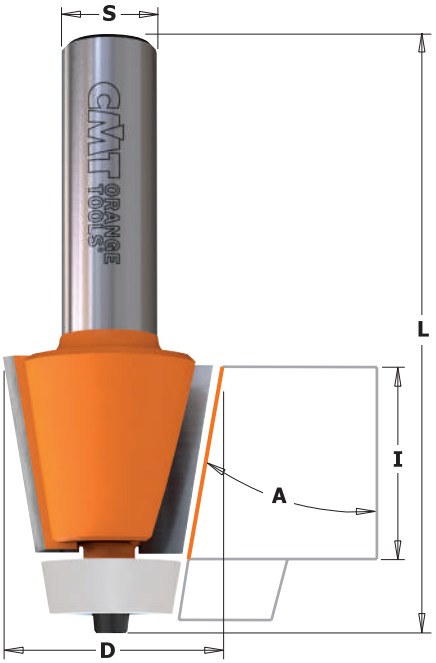
ORDER NO. S=Ø1/2" shank		D inches	D mm	T1 inches	I inches	R inches	A	L inches
880.542.11	10	2-1/8	54	3/4	1	1/4 - 1/2	15°	3-1/16

Spare parts

791.041.00	990.058.00	991.057.00

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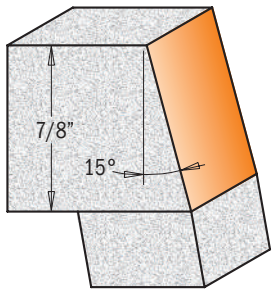
Solid Surface - Bevel Bowl Bits



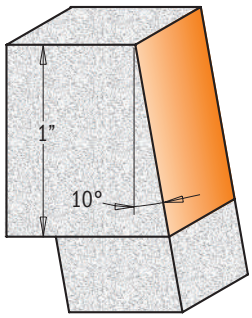
866.501 - 880.551

CARBIDE TIPPED | T2 | RH

These bits are designed for undermount applications joining the countertops and sink bowls with a beveled edge. Can be used with the **880.541.11** and **880.542.11** for complete undermount applications.
For use on hand-held routers. Features a non-marring DELRIN® bearing to protect the finished edges and surfaces.



866.501.11



880.551.11

Drawing is 1:1 scale

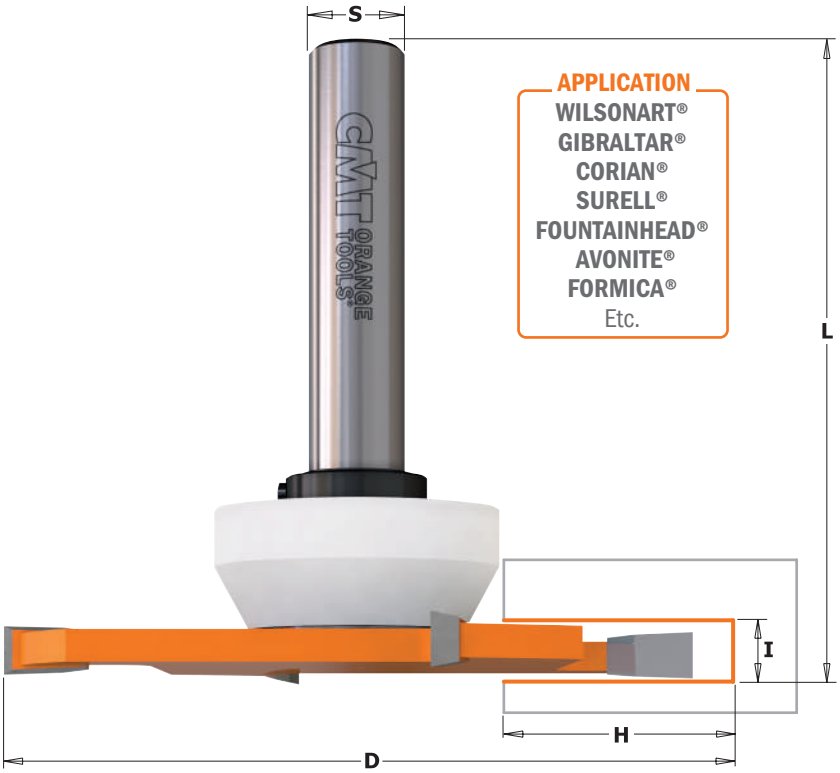
APPLICATION
WILSONART®
GIBRALTAR®
CORIAN®
SURELL®
FOUNTAINHEAD®
AVONITE®
FORMICA®
Etc.

ORDER NO. S=Ø1/2” shank		D inches	D mm	I inches	A	L inches
866.501.11	10	1-1/4	31.7	7/8	15°	2-53/64
880.551.11	10	1-1/8	28.5	1	10°	3-1/32

Spare parts

791.041.00	990.058.00	991.057.00
791.041.00	990.058.00	991.057.00

4-Wing Cut Out Slot Cutters for Solid Surfaces



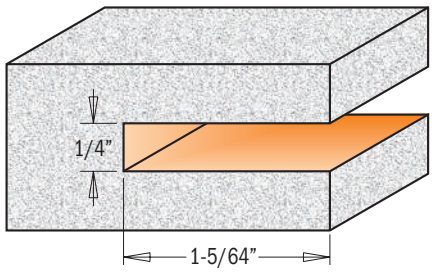
CARBIDE TIPPED | T4 | RH

822.033B

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



ORDER NO. S=Ø1/2”		D inches	D mm	I inches	H inches	L inches
822.033.11B	5	3-5/8	92	1/4	1-5/64	3-1/4

Spare parts

541.553.00	791.047.00	541.002.00	991.056.00

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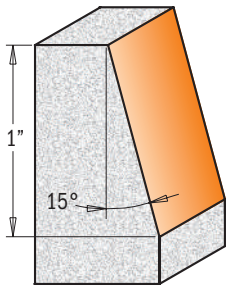
Solid Surface - Bevel Bit



881.521

CARBIDE TIPPED | T2 | 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.



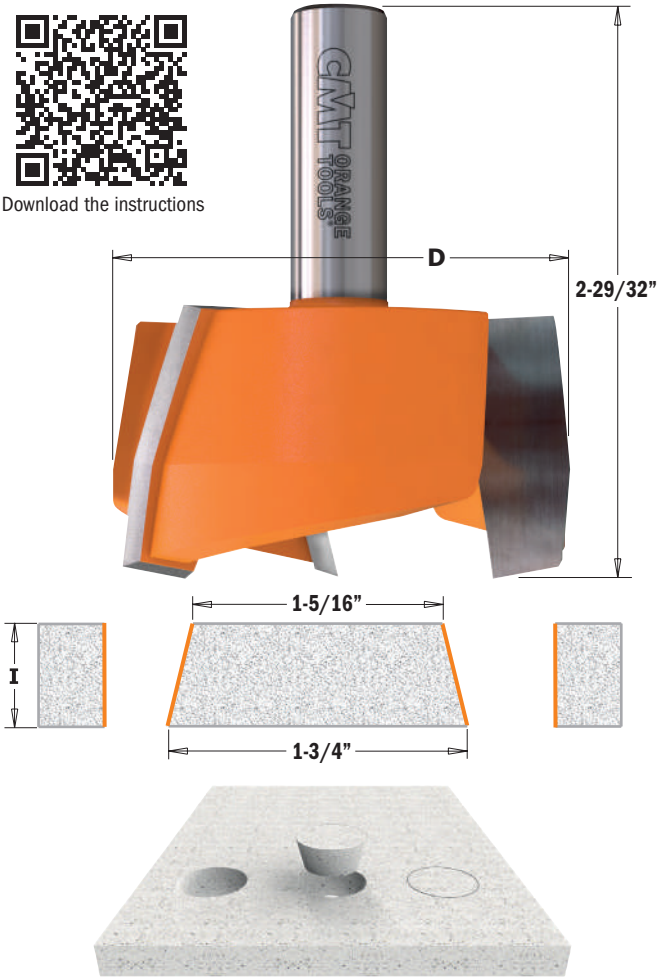
Drawing is 1:1 scale

APPLICATION
WILSONART®
GIBRALTAR®
CORIAN®
SURELL®
FOUNTAINHEAD®
AVONITE®
FORMICA®
Etc.

ORDER NO. S=Ø1/2" shank		D inches	D mm	I inches	A	d inches	L inches
881.521.11	10	29/32	23	1	15°	3/8	2-1/2

Solid Surface - Cut & Plug Repair Set

Download the instructions

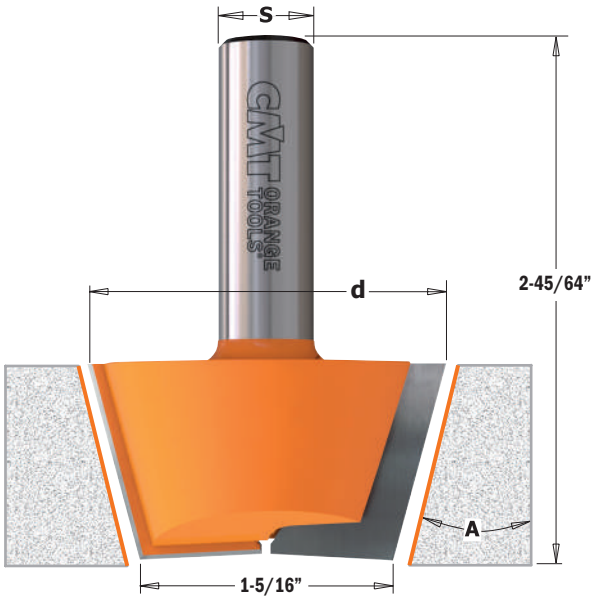


881.541

CARBIDE TIPPED | T2 | T3 | 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.



ORDER NO. S=Ø1/2" shank		d inches	d mm	D inches	D mm	I inches	A	L inches
881.541.11	5	1-7/8	47.5	2-31/64	63	3/4	15°	2-45/64 - 2-29/32

® Brand names mentioned in CMT products are the property of their respective owners (see page 376)

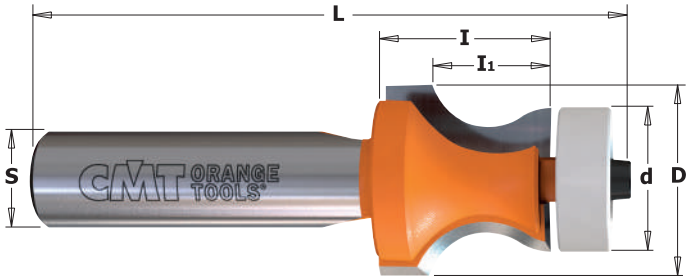
CARBIDE TIPPED | T2 | RH

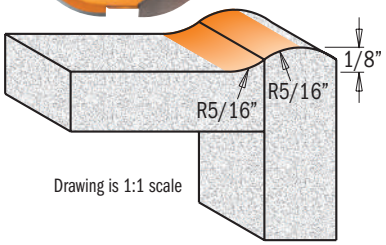


881.501

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.

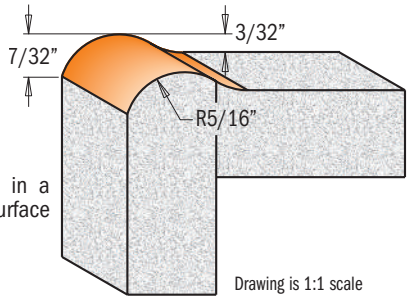




Drawing is 1:1 scale

880.531

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

ORDER NO. S=Ø1/2” shank		D inches	D mm	d inches	I inches	I1 inches	R inches	L inches
881.501.11	10	1	25.4		1/2	1/8	5/16	2-1/2
880.531.11	10	1	25.4	3/4	7/8	5/8	5/16	3-1/32

Spare parts

791.046.00	990.058.00	991.057.00

Solid Surface - Wavy Joint Bit

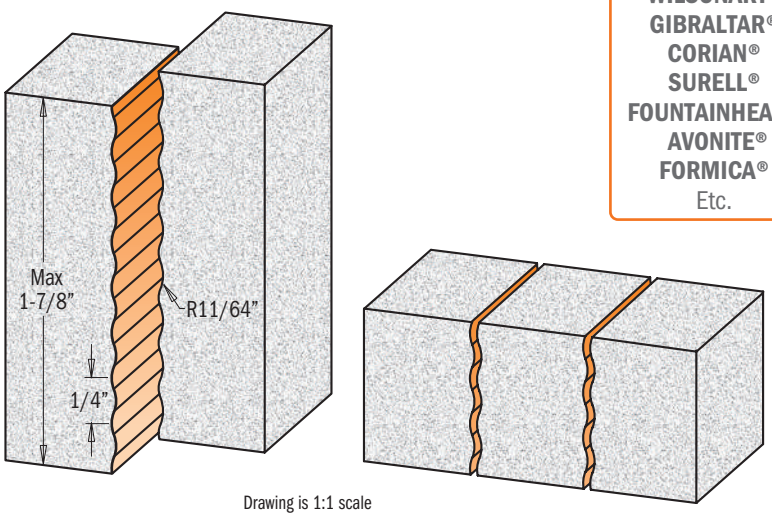


CARBIDE TIPPED | T2 | RH

881.531

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.

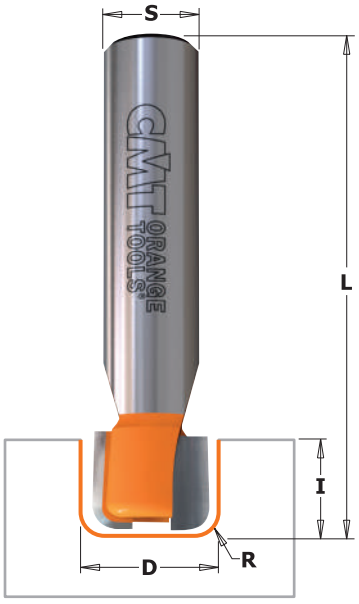


Drawing is 1:1 scale

ORDER NO. S=Ø1/2” shank		D inches	D mm	I inches	R inches	L inches
881.531.11	10	5/8	15.87	2-1/32	11/64	3-1/2

® Brand names mentioned in CMT products are the property of their respective owners (see page 376)

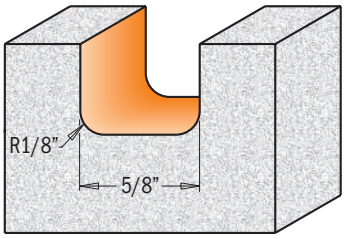
Solid Surface - Drainboard Bits

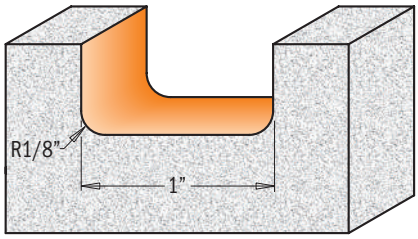


881.511-512

CARBIDE TIPPED | T2 | RH

This bit is ideal for creating custom drainboard patterns in solid surface countertops.
For use on hand-held portable routers.



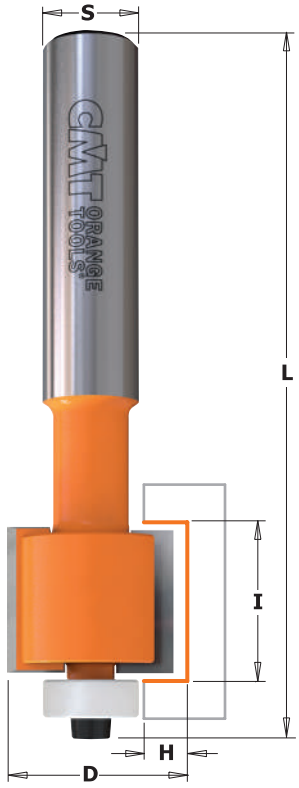


Drawing is 1:1 scale

ORDER NO. S=Ø1/2" shank		D inches	D mm	I inches	R inches	L inches
881.511.11	10	5/8	15.87	1/2	1/8	2-1/2
881.512.11	10	1	25.4	1/2	1/8	2-3/4

APPLICATION
WILSONART®
GIBRALTAR®
CORIAN®
SURELL®
FOUNTAINHEAD®
AVONITE®
FORMICA®
Etc.

Solid Surface - Inlay Bits



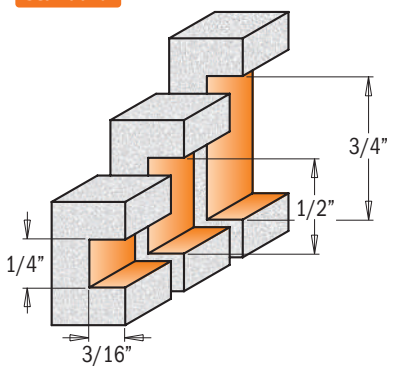
880.511-512-513

CARBIDE TIPPED | T2 | 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.

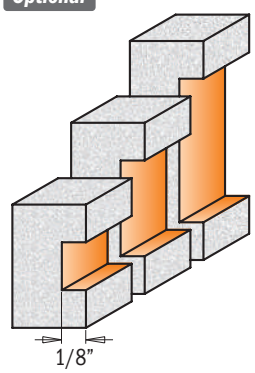
APPLICATION
WILSONART®
GIBRALTAR®
CORIAN®
SURELL®
FOUNTAINHEAD®
AVONITE®
FORMICA®
Etc.

Standard

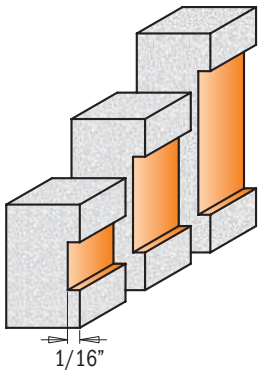


Drawing is 1:1 scale

Optional



optional with bearing **791.045.00**



optional with bearing **791.046.00**

ORDER NO. S=Ø1/2" shank		D inches	D mm	I inches	H inches	L inches
880.511.11	10	7/8	22.2	1/4	3/16	3-3/32
880.512.11	10	7/8	22.2	1/2	3/16	3-19/32
880.513.11	10	7/8	22.2	3/4	3/16	3-19/32

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 page 376)

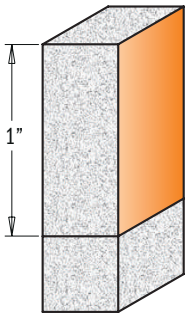
Solid Surface - Sink & Trim Bits



880.57

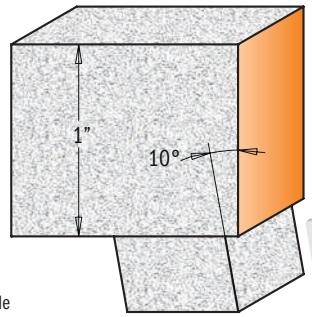
CARBIDE TIPPED | T2 | RH

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!



880.571.11

880.572.11





Drawing is 1:1 scale

APPLICATION
WILSONART®
GIBRALTAR®
CORIAN®
SURELL®
FOUNTAINHEAD®
AVONITE®
FORMICA®
Etc.

ORDER NO. S=Ø1/2" shank		D inches	D mm	I inches	A	L inches
880.571.11	10	3/4	19.05	1		3-1/16
880.572.11	10	7/8	22	1	10°	3-1/16

Spare parts

791.046.00	990.058.00	991.057.00
791.048.00	990.058.00	991.057.00

Solid Surface - Sink & Trim Bits with Insert Knives - LONG LIFE



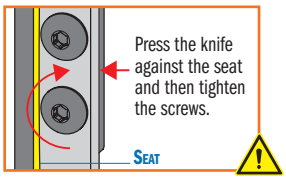
880.56

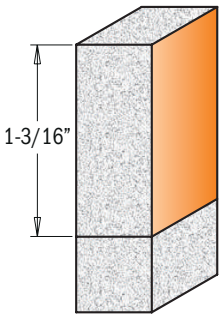
INSERT CARBIDE | T2 | RH | 2X CUTTING

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 880.562.11 cleans the cut-out edge, leaving a slight over-hang on the underside of the counter. A second pass with the flush-trim bit 880.561.11 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.

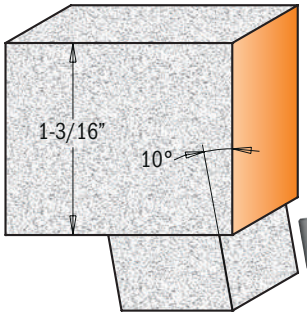
CORRECT KNIFE POSITIONING





880.561.11

880.562.11





Drawing is 1:1 scale

SAFETY TIPS:



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 323).

ORDER NO. S=Ø1/2" shank		D inches	D mm	I inches	A	L inches
880.561.11	10	3/4	19.05	1-3/16		3-9/32
880.562.11	10	7/8	22	1-3/16	10°	3-9/32

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

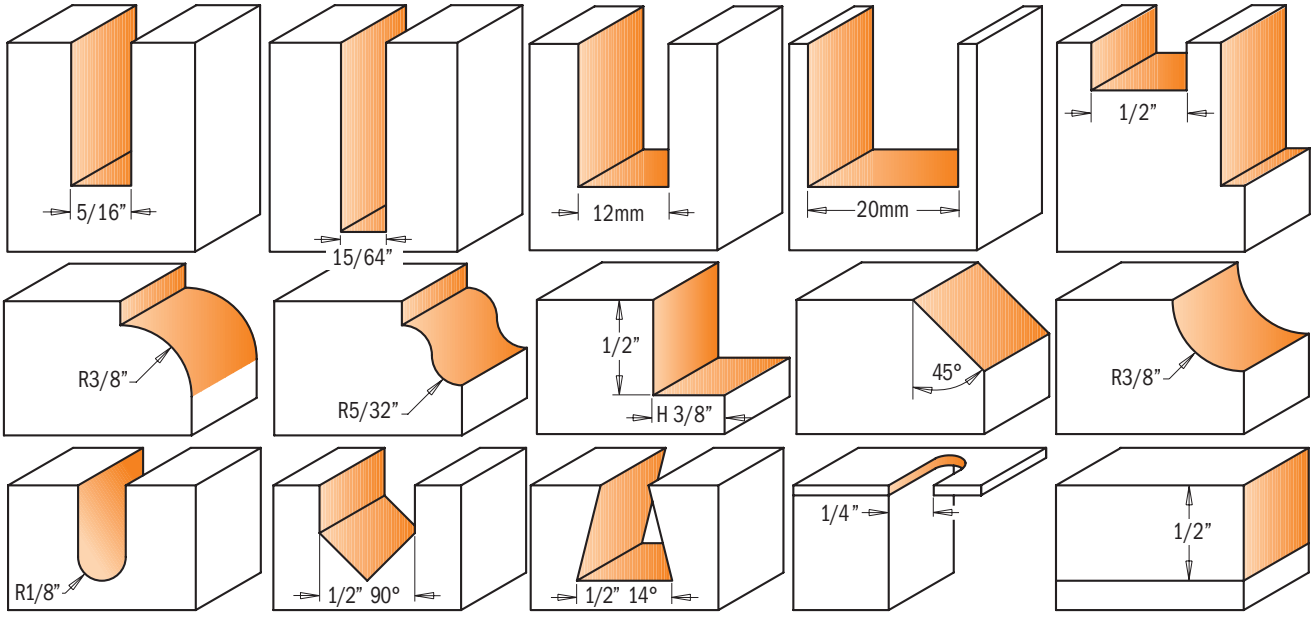
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CMT ORANGE TOOLS®

CARBIDE TIPPED | SOLID CARBIDE | T2 | RH







Drawing is 1:1 scale

800.001.00 1/4" shank

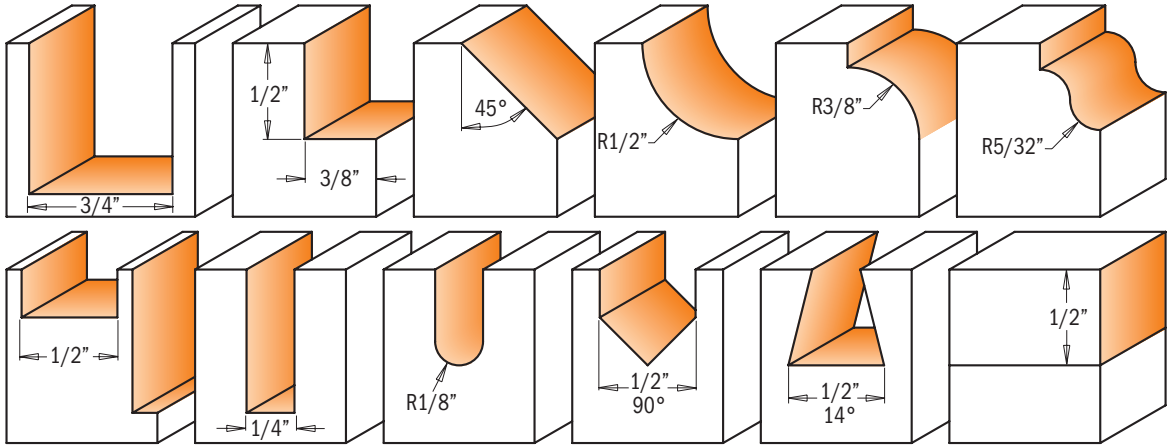
SET CONTAINS	ORDER NO. S=Ø1/4" shank	D		I		R		L		H		A
		inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	
Straight Bit	**811.080.11**	5/16	7.94	3/4	19.05			2	50.8			
Straight Bit	**812.060.11**	15/64	6	1	25.4			2-3/8	60.3			
Straight Bit	**811.120.11**		12	3/4	19.05			2	50.8			
Straight Bit	**811.200.11**		20	3/4	19.05			2	50.8			
Mortising Bit	**801.127.11**	1/2	12.7	3/4	19.05			2-1/8	53.9			
Roundover Bit	**838.317.11**	1-1/4	31.7	9/16	14	3/8	9.52	2-1/4	57.1			
Ogee Bit	**840.270.11**	1-1/8	28.7	29/64	11.5	5/32	4					
Rabbeting Bit	**835.317.11**	1-1/4	31.7	1/2	12.7			2-5/16	58.7	3/8	9.52	
Chamfer Bit	**836.280.11**	1-1/4	31.7	3/8	9.52			2-3/32	53.1			45°
Cove Bit	**837.286.11**	1-1/4	31.7	1/2	12.7	3/8	9.52	2-1/8	53.9			
Round Nose Bit	**814.064.11**	1/4	6.35	1/2	12.7	1/8	3.17	2	50.8			
V-Groove Bit 90°	**815.127.11**	1/2	12.7	1/2	12.7			1-49/64	44.8			90°
Dovetail Bit	**818.128.11**	1/2	12.7	1/2	12.7			2-1/16	52.3			14°
Panel Pilot Bit	**816.064.11**	1/4	6.35	3/4	19.05			2-1/2	63.5			
Flush Trim Bit	**806.128.11**	1/2	12.7	1/2	12.7			2-9/32	57.9			

CMT ORANGE TOOLS®

SOLID CARBIDE | CARBIDE TIPPED | T2 | RH







Drawing is 1:1 scale

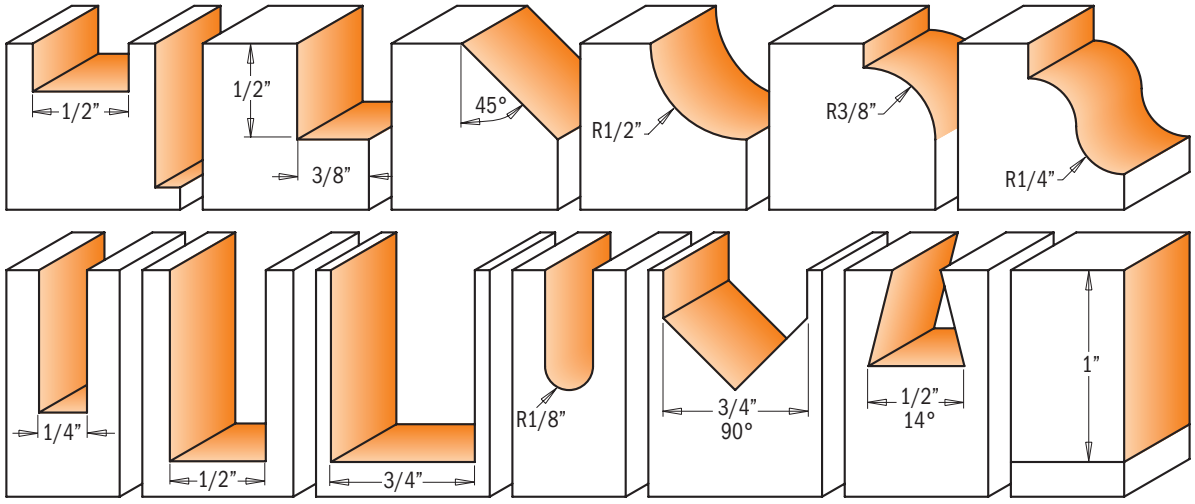
800.503.11 1/4" shank

SET CONTAINS	ORDER NO. S=Ø1/4" shank	D		I		R		L		H		A
		inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	
Flush Trim Bit	**806.128.11**	1/2	12.7	1/2	12.7			2-9/32	54.9			
Cove Bit	**837.350.11**	1-1/2	38.1	5/8	15.5	1/2	12.7	2-9/32	54.9			
Rabbeting Bit	**835.317.11**	1-1/4	31.7	1/2	12.7			2-5/16	58.7	3/8	9.52	
Roundover Bit	**838.317.11**	1-1/4	31.7	9/16	14	3/8	9.52	2-1/4	57.1			
Chamfer Bit	**836.420.11**	1-3/4	44.5	5/8	15.5			2-3/8	60.3			45°
Ogee Bit	**840.270.11**	1-1/8	28.7	29/64	11.5	5/32	4					
Straight Bit	**811.065.11**	1/4	6.35	3/4	19.05			2-1/4	57.1			
Straight Bit	**811.191.11**	3/4	19.05	3/4	19.05			2-1/4	57.1			
Mortising Bit	**801.127.11**	1/2	12.7	3/4	19.05			2-1/8	53.9			
Round Nose Bit	**814.064.11**	1/4	6.35	1/2	12.7	1/8	3.17	2	50.8			
V-Groove Bit	**815.127.11**	1/2	12.7	1/2	12.7			1-49/64	44.8			90°
Dovetail Bit	**818.128.11**	1/2	12.7	1/2	12.7			2-1/16	52.3			14°

SOLID CARBIDE | CARBIDE TIPPED | T2 | RH







Drawing is 1:1 scale

800.505.11 1/2" shank

SET CONTAINS	ORDER NO. S=Ø1/2" shank	D inches	D mm	I inches	I mm	R inches	R mm	L inches	L mm	H inches	H mm	A
Straight Bit	811.564.11	1/4	6.35	3/4	19			2-3/8	60.3			
Straight Bit	811.628.11	1/2	12.7	1	25.4			3-1/4	82.5			
Flush Trim Bit	806.627.11	1/2	12.7	1	25.4			3-13/32	86.5			
Straight Bit	811.690.11	3/4	19.05	1	25.4			2-1/2	63.5			
Mortising Bit	801.627.11	1/2	12.7	3/4	19			2-3/8	60.3			
Roundnose Bit	814.564.11	1/4	6.35	5/8	15.87	1/8	3.17	2-1/2	63.5			
V-Groove Bit	815.690.11	3/4	19	5/8	15.87			2-1/2	63.5			90°
Dovetail Bit	818.628.11	1/2	12.7	1/2	12.7			2-1/2	63.5			14°
Cove Bit	837.850.11	1-1/2	38.1	5/8	15.87	1/2	12.7	2-17/32	64.2			
Rabbeting Bit	835.817.11	1-1/4	31.7	1/2	12.7			2-13/32	61.1	3/8	9.52	
Roundover Bit	838.817.11	1-1/4	31.7	9/16	14.2	3/8	9.52	2-7/16	61.9			
Ogee Bit	840.850.11	1-1/2	38.1	11/16	17.4	1/4	6.35					
Chamfer Bit	836.920.11	1-3/4	44.5	23/32	18.2			2-5/8	66.6			45°

6-piece Router Bit Set

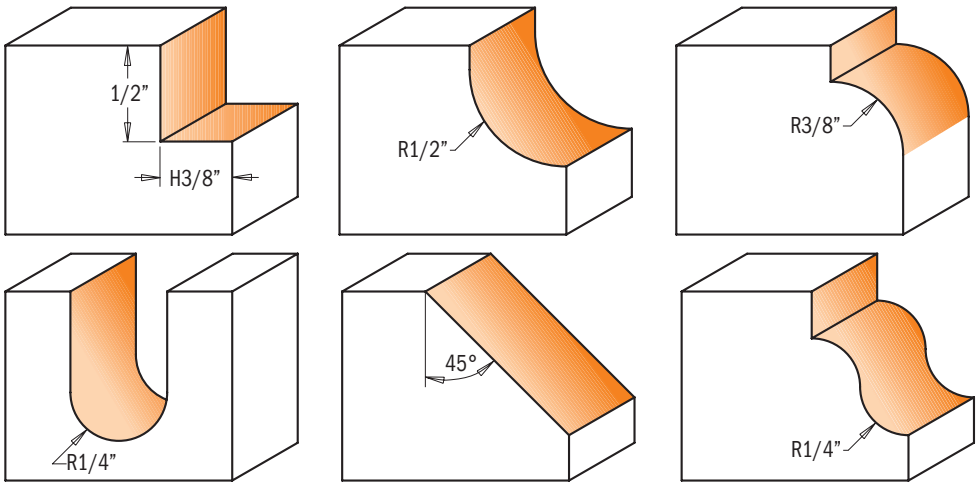
CMT ORANGE TOOLS®

CARBIDE TIPPED | T2 | RH





Pack Qty. 1 pc



Drawing is 1:1 scale

800.504.11 1/2" shank

SET CONTAINS	ORDER NO. S=Ø1/2" shank	D inches	D mm	I inches	I mm	R inches	R mm	L inches	L mm	H inches	H mm	A
Rabbeting Bit	835.817.11	1-1/4	31.7	1/2	12.7			2-13/32	61.1	3/8	9.52	
Cove Bit	837.850.11	1-1/2	38.1	5/8	15.87	1/2	12.7	2-17/32	64.2			
Roundover Bit	838.817.11	1-1/4	31.7	9/16	14.2	3/8	9.52	2-7/16	61.9			
Roundnose Bit	814.627.11	1/2	12.7	1-1/4	31.7	1/4	6.35	2-7/8	73			
Chamfer Bit	836.920.11	1-3/4	44.5	23/32	18.2			2-5/8	66.6			45°
Ogee Bit	840.850.11	1-1/2	38.1	11/16	17.4	1/4	6.35					

CMT ORANGE TOOLS®

CARBIDE TIPPED | T2 | RH



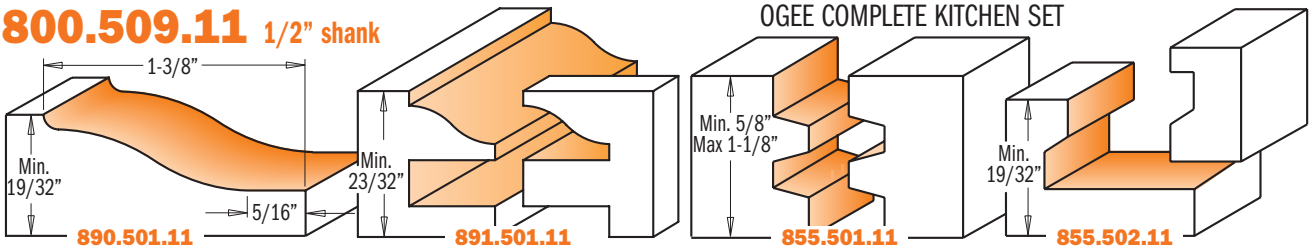


PACK QTY. 1 PC

Drawing is 1:1 scale

800.509.11 1/2" shank

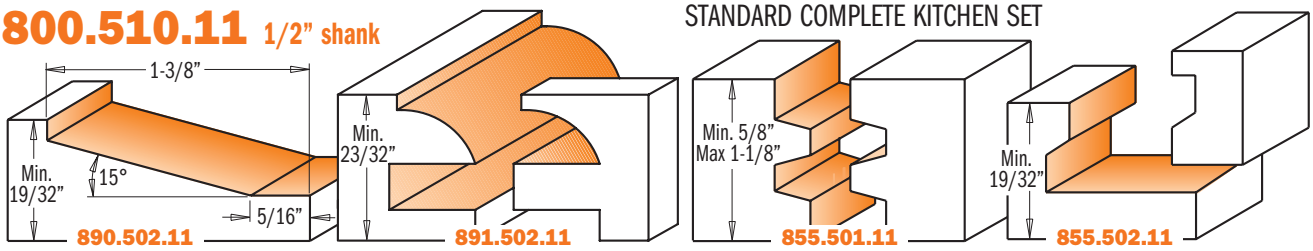
OGEE COMPLETE KITCHEN SET



SET CONTAINS	ORDER NO. S=Ø1/2" shank	D inches	D mm	I inches	I mm	T_1 inches	L inches	L mm	LB inches
Ogee Raised Panel Bit	890.501.11	3-1/4	82.5	19/32	15	19/32 to 23/32	2-1/2	63.8	1/2
Ogee Rail & Stile Bits	891.501.11	1-3/4	44.5			23/32 to 7/8	2-51/64	71	22mm
Reverse Glue Joint Bit	855.501.11	1-3/4	44.5	1-1/4	31.7	19/32 to 1-3/16	2-3/4	70.1	
Drawer Lock Bit	855.502.11	2	50.8	1/2	12.7	5/8 to 1	2	50.8	

800.510.11 1/2" shank

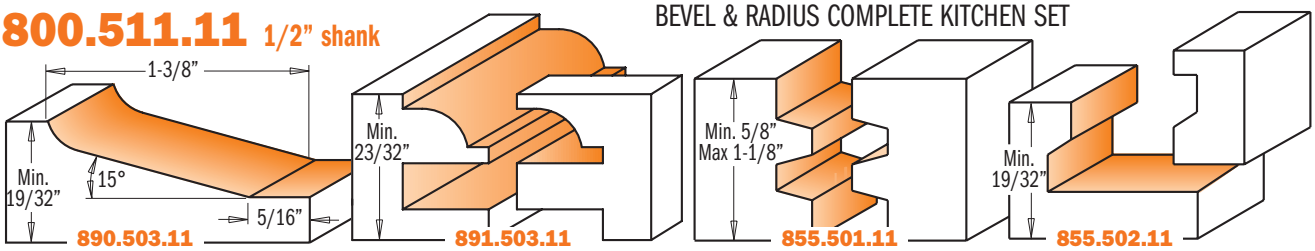
STANDARD COMPLETE KITCHEN SET



SET CONTAINS	ORDER NO. S=Ø1/2" shank	D inches	D mm	I inches	I mm	T_1 inches	L inches	L mm	LB inches
Standard Raised Panel Bit	890.502.11	3-1/4	82.5	19/32	15	19/32 to 23/32	2-1/2	63.8	1/2
Standard Rail & Stile Bits	891.502.11	1-3/4	44.5			23/32 to 7/8	2-51/64	71	22mm
Reverse Glue Joint Bit	855.501.11	1-3/4	44.5	1-1/4	31.7	19/32 to 1-3/16	2-3/4	70.1	
Drawer Lock Bit	855.502.11	2	50.8	1/2	12.7	5/8 to 1	2	50.8	

800.511.11 1/2" shank

BEVEL & RADIUS COMPLETE KITCHEN SET

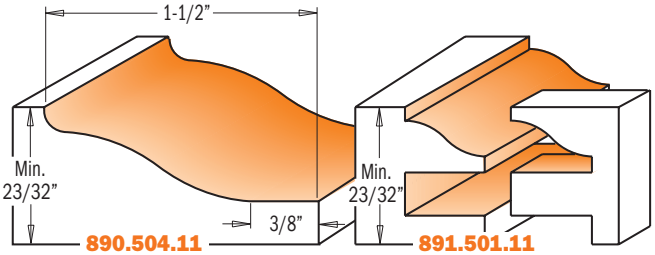


SET CONTAINS	ORDER NO. S=Ø1/2" shank	D inches	D mm	I inches	I mm	T_1 inches	L inches	L mm	LB inches
Bevel & Radius Raised Panel Bit	890.503.11	3-1/4	82.5	19/32	15	19/32 to 23/32	2-17/32	64.6	1/2
Bevel & Radius Rail & Stile Bits	891.503.11	1-3/4	44.5			23/32 to 7/8	2-51/64	71	22mm
Reverse Glue joint Bit	855.501.11	1-3/4	44.5	1-1/4	31.7	19/32 to 1-3/16	2-3/4	70.1	
Drawer Lock Bit	855.502.11	2	50.8	1/2	12.7	5/8 to 1	2	50.8	



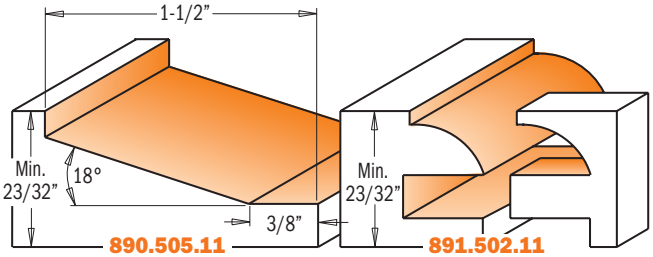


800.513.11

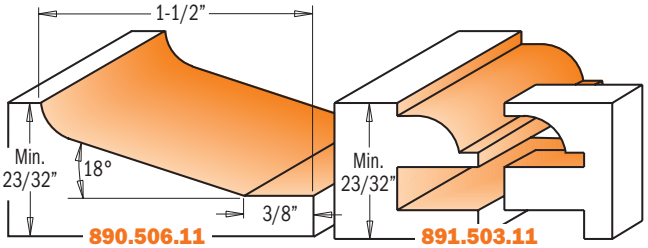


800.512.11

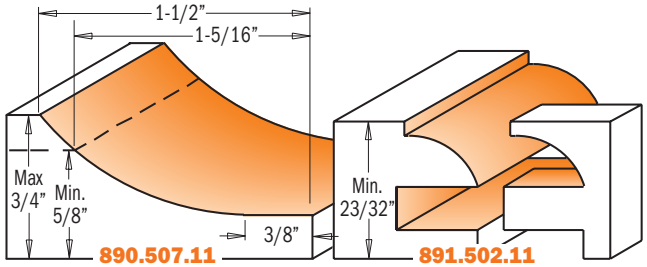
Drawing is 1:1 scale



800.514.11



800.516.11



800.513.11 OGEE KITCHEN SET 1/2" shank

SET CONTAINS	ORDER NO. S=Ø1/2" shank	D inches	D mm	I inches	I mm	T_1 inches	L inches	L mm	LB inches
Ogee Raised Panel Bit	890.504.11	3-1/2	88.9	19/32	15	23/32 to 25/32	2-17/32	64.6	1/2
Ogee Rail & Stile Bits	891.501.11	1-3/4	44.5			23/32 to 7/8	2-51/64	71	22mm

800.512.11 STANDARD KITCHEN SET 1/2" shank

Standard Raised Panel Bit	890.505.11	3-1/2	88.9	19/32	15	23/32 to 25/32	2-17/32	64.6	1/2
Standard Rail & Stile Bits	891.502.11	1-3/4	44.5			23/32 to 7/8	2-51/64	71	22mm

800.514.11 BEVEL & RADIUS KITCHEN SET 1/2" shank

Bevel & Radius Raised Panel Bit	890.506.11	3-1/2	88.9	19/32	15	23/32 to 25/32	2-17/32	64.6	1/2
Bevel & Radius Rail & Stile Bits	891.503.11	1-3/4	44.5			23/32 to 7/8	2-51/64	71	22mm

800.516.11 COVE KITCHEN SET 1/2" shank

Cove Raised Panel Bit	890.507.11	3-1/2	88.9	19/32	15	23/32 to 25/32	2-17/32	64.6	1/2
Standard Rail & Stile Bits	891.502.11	1-3/4	44.5			23/32 to 7/8	2-51/64	71	22mm

Slot Cutter Set

CMT ORANGE TOOLS®

CARBIDE TIPPED | T3 | RH

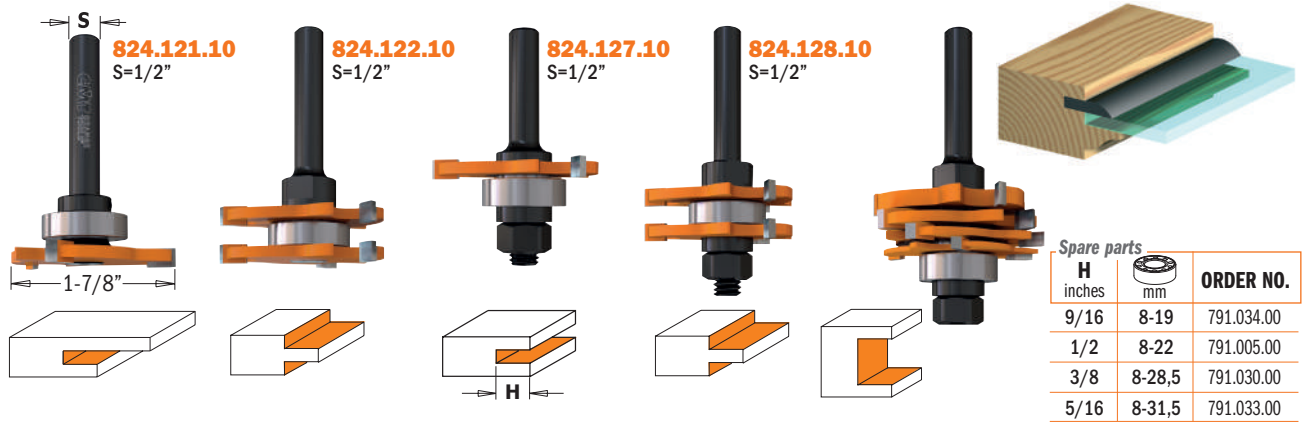




Create slots, grooves and rabbets in all materials using the adjustable CMT slot cutter set. See chart below for all applications and correct cutter combinations. Ideal for biscuit joints and milling perfect tongue and groove joints.
The set includes 4 different bearings which allow cutting depth of 5/16" - 3/8" - 1/2" and 9/16". Packaged in a sturdy recloseable plastic case.

SAFETY TIPS: never use the slot cutter set without shims between the cutters. The distance between the cutters can vary from 3/64" to 1/16".
A shim must also be positioned between the ball bearing and the cutters.

ASSEMBLY ILLUSTRATION



Spare parts

H inches	mm	ORDER NO.
9/16	8-19	791.034.00
1/2	8-22	791.005.00
3/8	8-28,5	791.030.00
5/16	8-31,5	791.033.00

823.001.11

SET CONTAINS	PIECES	ORDER NO.	S inches	I inches	I mm	D inches	D mm	B mm
Slot cutter	1	**822.316.11**		1/16	1.58	1-7/8	47.6	8
Slot cutter with 45° bore	1	**823.332.11**		1/8	3.17	1-7/8	47.6	8
Slot cutter with 45° bore	1	**823.340.11**		5/32	3.96	1-7/8	47.6	8
Slot cutter	1	**822.348.11**		3/16	4.76	1-7/8	47.6	8
Slot cutter with 45° bore	3	**823.364.11**		1/4	6.35	1-7/8	47.6	8
Slot cutter arbor with bearing Ø1/2" - 7/8"	1	**824.121.10**	1/2					
Slot cutter arbor with bearing Ø5/16" - 7/8"	1	**824.122.10**	1/2					
Slot cutter arbor with bearing Ø5/16" - 7/8"	1	**824.127.10**	1/2					
Slot cutter arbor with bearing Ø5/16" - 7/8"	1	**824.128.10**	1/2					
Bearing	1	**791.033.00**				1-1/4	31.7	8
Bearing	1	**791.030.00**				1-1/8	28.57	8
Bearing	1	**791.034.00**				3/4	19.05	8
Hex key 3mm	1	**991.067.00**						

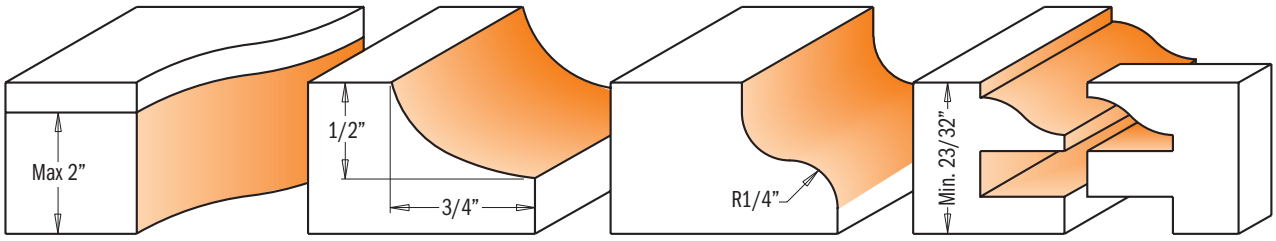
CMT ORANGE TOOLS®

CARBIDE TIPPED | T2 | RH

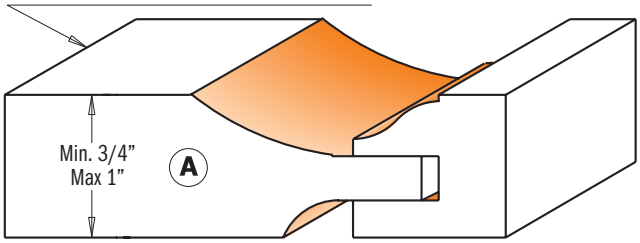




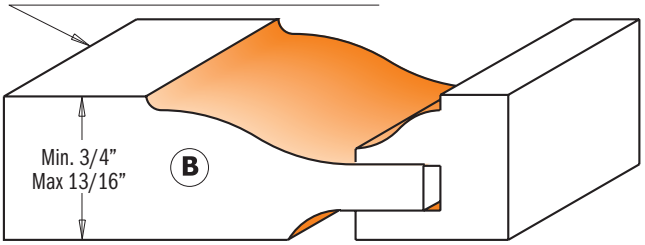
PACK QTY. 1 PC



COVE RAISED PANEL BIT IN **800.515.11**



OGEE RAISED PANEL BIT IN **800.520.11**



Drawing is 1:1 scale

800.515.11 COVE CABINETMAKING SET 1/2" shank

SET CONTAINS	ORDER NO. S=Ø1/2" shank	D inches	D mm	I inches	I mm	R inches	R mm	L inches	LB inches
Cove Raised Panel w/Back Cutter	890.527.11	3-1/2	89	1-1/8	28.5	1-1/2	38.1	3-35/64	1-1/4 & 16mm
Ogee Rail & Stile Bits	891.501.11	1-3/4	44.5	7/8	22.2	5/16	7.94	2-51/64	7/8
Super Duty Flush Trim Bit	806.690.11	3/4	19.05	2	50.8			4-5/16	3/4
Drawer Front Bit	837.955.11	2	50.8	1/2	12.7			2-13/32	1/2
Ogee Door Edge Bit	859.564.11	1-1/2	38.1	3/4	19.05	1/4	6.35	2-5/8	1/2

800.520.11 OGEE CABINETMAKING SET 1/2" shank

SET CONTAINS	ORDER NO. S=Ø1/2" shank	D inches	D mm	I inches	I mm	R inches	R mm	L inches	LB inches
Ogee Raised Panel w/Back Cutter	890.524.11	3-1/2	89	1-1/8	28.5	15/16	23.8	3-5/64	1-1/4 & 16mm
Ogee Rail & Stile Bits	891.501.11	1-3/4	44.5	7/8	22.2	5/16	7.94	2-51/64	7/8
Super Duty Flush Trim Bit	806.690.11	3/4	19.05	2	50.8			4-5/16	3/4
Drawer Front Bit	837.955.11	2	50.8	1/2	12.7			2-13/32	1/2
Ogee Door Edge Bit	859.564.11	1-1/2	38.1	3/4	19.05	1/4	6.35	2-5/8	1/2

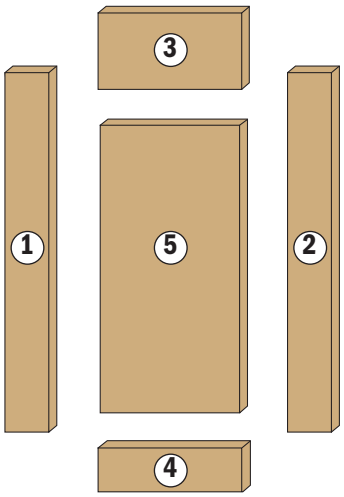
STEP 1. MAKING A SAMPLE DOOR

A) This sample door size is 12" wide by 20" long.
B) The door thickness should be 3/4" - 7/8"

STEP 2. DETERMINING THE SIZES OF EACH PART OF THE DOOR

A) Always use a 1/2" overlay on all sides of the door.
B) If the door opening is 11" wide by 19" high then the door size is 12" x 20".

IMPORTANT: Use 2-7/16" wide stiles so the templates will work properly.



1. LEFT STILE
3/4" x 2-7/16" x 20"

2. RIGHT STILE
3/4" x 2-7/16" x 20"

3. TOP ARCHED RAIL
3/4" x 4-1/4" x 8"

4. BOTTOM RAIL
3/4" x 2-7/16" x 8"

5. RAISED PANEL
3/4" x 7-3/4" x 16"

1-2. LEFT AND RIGHT STILES

A) Always cut stiles 2-7/16" wide.
B) Length of stiles is same as door length.

3. TOP ARCHED RAIL

A) Cut 4-1/4" wide. Templates are 4" wide.
B) Length of rail is found by subtracting 4" from the total door width. (Overall door width is 12" minus 4"= 8" length of rail)

NOTE: THIS FOLLOWING PROCEDURE CAN ONLY BE USED WHEN USING 2-7/16" WIDE STILES. SUBTRACT 4" FROM THE TOTAL DOOR WIDTH INSTEAD OF 4-7/8" SINCE 7/16" IN EACH STILE WILL BE TAKEN UP IN THE PATTERN CUT.

4. BOTTOM RAIL

A) Always cut 2-7/16" wide.
B) Length of rail is again found by subtracting 4" from the total door width. *(Overall door width is 12" minus 4" = 8" for bottom rail lengths)*

5. RAISED PANEL

A) Width is always 1/4" less than rail length.
(1/8" space should be left on each side for expansion of panel)
B) Rail length is 8" minus 1/4" = 7-3/4" width of raised panel.
C) Length of raised panel is found by taking the overall doorlength and again subtracting 4".
(Overall door length is 20" minus 4" = 16" length of panel)

SUBTRACT 4" FROM THE OVERALL LENGTH OF THE DOOR. SUBTRACT 4" INSTEAD OF 4-7/8" SINCE THE PATTERN CUT TAKES UP 7/16" ON EACH RAIL.

At this point, all 5 pieces of the door should be cut to the correct size.

STEP 3. CUTTING THE COPE CUTS ON EACH END OF THE 2 RAILS

A) Cope cutter is the cutter with the bearing in the middle
B) Set the cope cutter to the correct height in the router.

1) The correct height is when, after the cut is made, the reveal on the front side should be 1/8" minimum (Illustration 1)

2) Spaces A and B shown should be equal. If one is to be bigger, make B thicker for strength of panel.

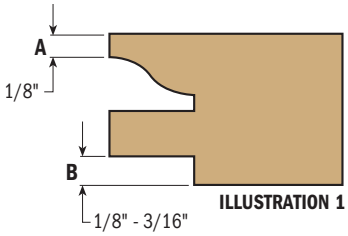


ILLUSTRATION 1

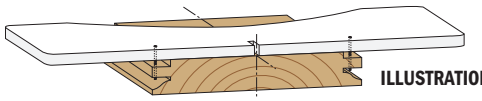
C) Set fence even with bearing.
D) Use wooden pushblock to prevent tearout at end of cope cut.
E) Run stock through with good side down at 14,000-16,000 RPMs.

STEP 4. USING RAIL TEMPLATE TO FLUSH TRIM TOP RAIL TO CORRECT SHAPE

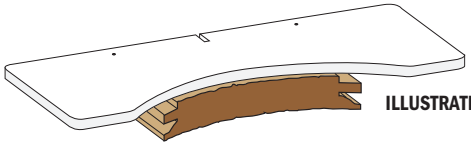
A) Locate center of top rail with pencil on the back side.
B) Pick out the correct template.

NOTE: THE SIZE ON THE TEMPLATE IS FOR THE OVERALL DOOR WIDTH. FOR THE TEMPLATES TO WORK PROPERLY STILES MUST BE MADE 2-7/16" WIDE. IF STILES ARE MADE IN DIFFERENT WIDTHS, ADJUSTMENTS IN PICKING OUT TEMPLATES MUST BE MADE.

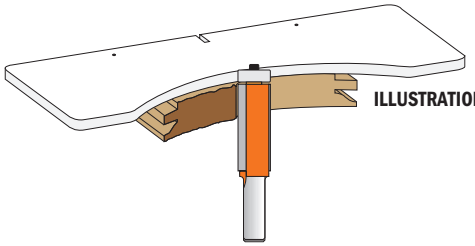
C) Line up template on back side of rail centering the notch of template with center line of rail. Now nail through the template into the 2 copes that were just cut (Illustration 2).


ILLUSTRATION 2

D) Rough cut with jig or band saw within 1/8" or 1/4" of template (Illustration 3).

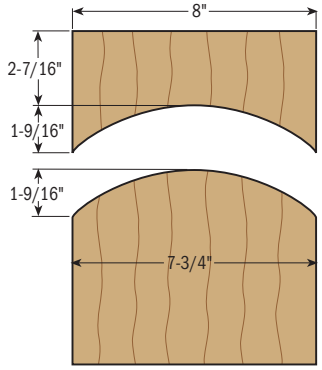

ILLUSTRATION 3

E) Put flush trimming bit into router and set so bearing is flush with template (Illustration 4).


ILLUSTRATION 4

F) Run router at 20,000-22,000 RPMs and flush trim top crown rail with good side down.

NOTE: WHEN STARTING CUT, ALWAYS REMEMBER TO MAKE CONTACT WITH BEARING TO A PLACE ON THE TEMPLATE WHERE THERE IS NO WOOD TO PREVENT KICKBACK.



G) Slow down at end of cut to prevent tearout. Leave template attached to rail for now.

STEP 5. USING PANEL TEMPLATE TO FLUSH TRIM THE RAISED PANEL TO SHAPE

A) Locate center of raised panel on front side.
B) Pick out correct template (same size as rail template).
C) Line up center notch of template with center line of panel and make sure it is also square (Illustration 5).
D) Nail template to panel about 1/2" in from each side (Illustration 5).

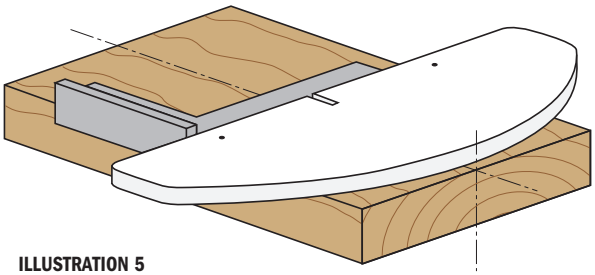


ILLUSTRATION 5

NOTE: DRIVE NAILS IN ABOUT 1/4"-3/8". THE NAIL HOLES WILL BE MACHINED OUT WHEN RAISED PANEL CUT IS MADE.

E) Rough cut stock to within 1/8" - 1/4" of template.
F) Flush trim raised panel in the same manner as you did the top rail with the template on top (Back to illustration 4).

NOTE: AGAIN MAKE SURE BEARING COMES IN CONTACT WITH TEMPLATE FIRST AND THEN GUIDE INTO THE WOOD.

G) Pull nails out after flush trimmed.

STEP 6. CUTTING FREEHAND PATTERN CUT ON TOP ARCHED RAIL

A) Pattern cutter is the cutter with the bearing on top.
B) Insert pattern cutting bit to correct height to match cope cut. This can be done by making a few practice cuts in scrap wood.
C) Run router at 14,000-16,000 RPMs.
D) Start cut with bearing making contact with template only and ease into cut. No fence is used. (Illustration 6).
E) Slow down at end of cut to prevent any chipout.
F) Remove template from top arched rail.

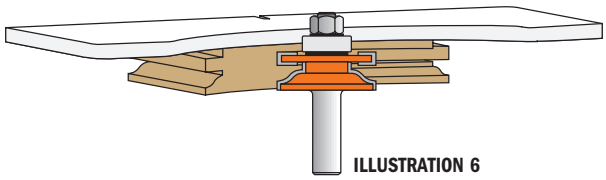


ILLUSTRATION 6

STEP 7. CUTTING THE STRAIGHT BOTTOM RAIL AND 2 STILES

A) Insert fence and line up fence with bearing on the same pattern cutter.
B) Run router 14,000-16,000 RPMs
C) Use push-block and push bottom rail through with good side down.

STEP 8. MAKING RAISED PANEL CUT

A) Insert panel cutter to correct height.

NOTE: IT MAY TAKE A COUPLE OF PRACTICE CUTS IN SCRAP WOOD BEFORE GETTING THE PANEL FLUSH WITH PATTERN CUT.

B) Set fence so it is even with bearing on panel cutter.
C) Run router slow 10,000 RPMs. ALWAYS USE PUSH BLOCKS FOR SAFETY.
D) Make first cut across the grain with good side face down.
E) Cut with the grain on left side.
F) Remove fence and use a half-fence. (Illustration 7)
G) Start by re-doing left side and come around and cut the curved top of the panel freehand.
H) Install full fence and complete right side.

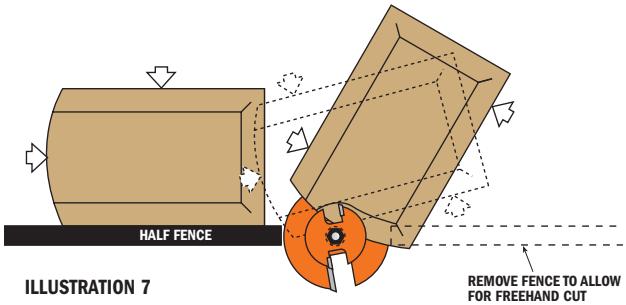


ILLUSTRATION 7

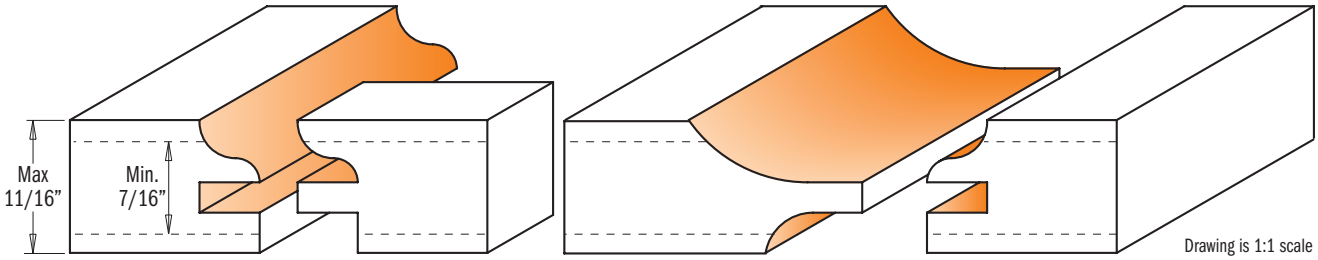
3-piece Junior Raised Panel Sets with Back Cutter





PACK QTY. 1 PC

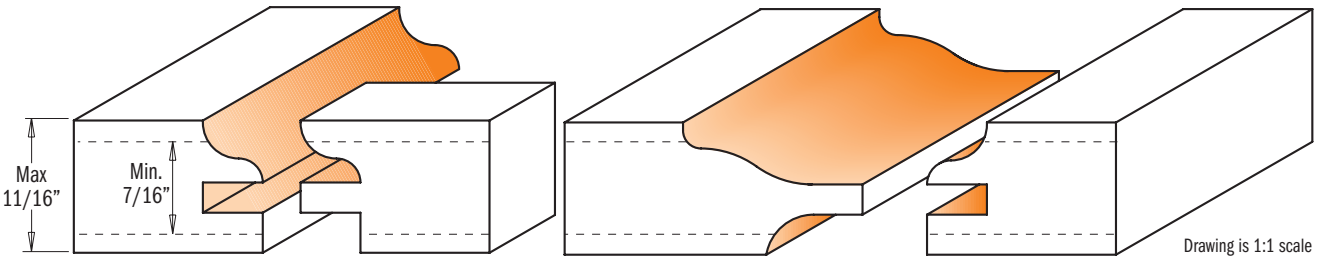
CMT's Junior Raised Panel Sets add intricate detail on a whole new scale! The Junior Raised Panel Set lets you make frame and panel details as small as 2-3/4" square in material as thin as 7/16". Delicate panel doors are only the beginning - use these bits with templates to add interesting arches to your work. The set includes your choice of a Cove or Ogee Raised Panel Bit and an Ogee Rail & Stile pair. Packaged in a handy lightweight recloseable plastic case.



Drawing is 1:1 scale

800.518.11 COVE JUNIOR RAISED PANEL SET 1/2" shank

SET CONTAINS	ORDER NO. S=Ø1/2" shank	D		I		R		L	LB
		inches	mm	inches	mm	inches	mm	inches	inches
Cove Junior Raised Panel w/Back Cutter	890.537.11	2-1/2	63.5	11/16	17.4	3/4	19.05	2-3/4	5/8
Ogee Junior Rail & Stile Bits	891.517.11	1-1/4	31.7	11/16	17.4	1/8-3/16	3.2-4.7	2-41/64	5/8



Drawing is 1:1 scale

800.522.11 OGEE JUNIOR RAISED PANEL SET 1/2" shank

SET CONTAINS	ORDER NO. S=Ø1/2" shank	D		I		R		L	LB
		inches	mm	inches	mm	inches	mm	inches	inches
Ogee Junior Raised Panel w/Back Cutter	890.534.11	2-1/2	63.5	11/16	17.4	1/2	12.7	2-3/4	5/8
Ogee Junior Rail & Stile Bits	891.517.11	1-1/4	31.7	11/16	17.4	1/8-3/16	3.2-4.7	2-41/64	5/8

3-piece Raised Panel Sets with Back Cutter

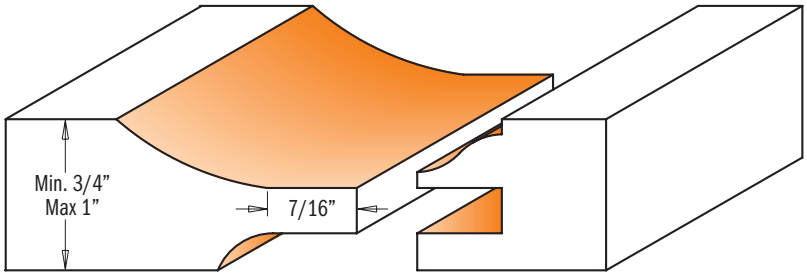
CMT ORANGE TOOLS®

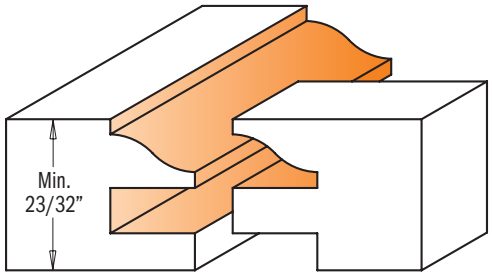


CARBIDE TIPPED | T2 | RH



If your project calls for top quality raised panel doors, milled with accuracy and efficiency, then this set is a great choice. The ogee rail and stile bits are made to exact specifications to match perfectly, and the stile cutter is designed with a shear angle to produce superior cuts with minimal splintering. The raised panel bit is available with either cove or ogee profiles. Both bits include a back cutter which allows milling of the front and back of the panel in a single pass. Packaged in a sturdy recloseable plastic case.

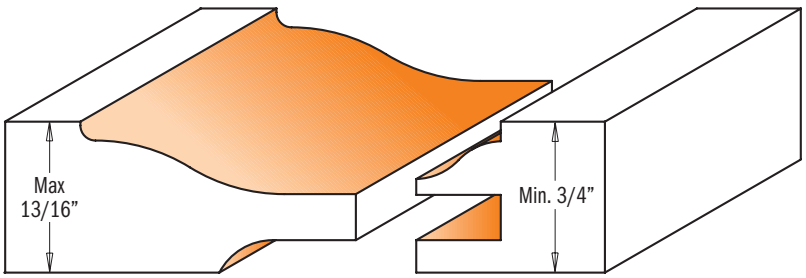


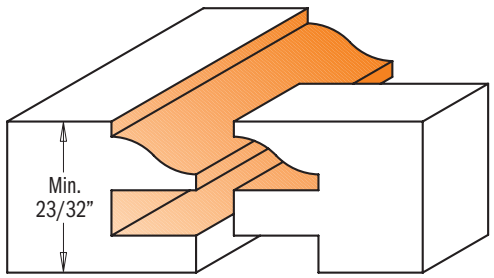


Drawing is 1:1 scale

800.517.11 COVE RAISED PANEL SET 1/2" shank

SET CONTAINS	ORDER NO. S=Ø1/2" shank	D		I		R		L	LB
		inches	mm	inches	mm	inches	mm	inches	inches
Cove Raised Panel w/Back Cutter	890.527.11	3-1/2	89	1-1/8	28.5	1-1/2	38.1	3-5/64	1-1/4 & 16mm
Ogee Rail & Stile Bits	891.501.11	1-3/4	44.5	7/8	22.2	5/16	7.94	2-51/64	7/8





Drawing is 1:1 scale

800.521.11 OGEE RAISED PANEL SET 1/2" shank

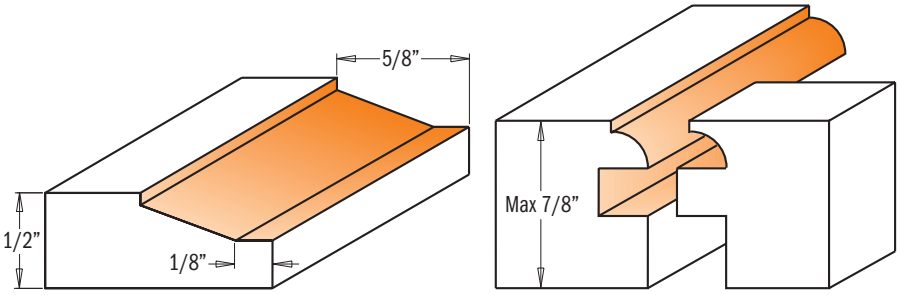
SET CONTAINS	ORDER NO. S=Ø1/2" shank	D		I		R		L	LB
		inches	mm	inches	mm	inches	mm	inches	inches
Ogee Raised Panel w/Back Cutter	890.524.11	3-1/2	89	1-1/8	28.5	15/16	23.8	3-5/64	1-1/4 & 16mm
Ogee Rail & Stile Bits	891.501.11	1-3/4	44.5	7/8	22.2	5/16	7.94	2-51/64	7/8

3-piece Small Arch Door Set





This three-piece set will produce beautiful raised panel doors with a classic, diminutive beveled profile. Designed for use in fine furniture making, the set includes two matched cope and stick bits for producing frames in 5/8" to 3/4" thick material.
The stick bit shapes a decorative 3/16" thumbnail molding along the edge of the frame. The panel bit is designed for 1/2" thick material. All bits are equipped with guide bearings for shaping curved work such as the small arched panel doors seen on secretaries and corner cabinetry.
This set also produces panels for small chests, lids for small boxes, or drawer fronts. Instructions included. Packaged in a sturdy recloseable plastic case.



Drawing is 1:1 scale



800.524.11 1/2" shank

SET CONTAINS	ORDER NO. S=Ø1/2" shank	D inches	D mm	I inches	I mm	T_1 inches	L inches	L mm	LB inches
Small Standard Raised Panel Set	890.512.11	1-7/8	47.6	3/8	9.52	1/2 to 19/32	2-9/32	58	1/2
Small Standard Rail & Stile Bits	891.512.11	1-1/8	28.7			5/8 to 7/8	3-1/8	79.2	16mm

Adjustable Shaker Router Bit Sets

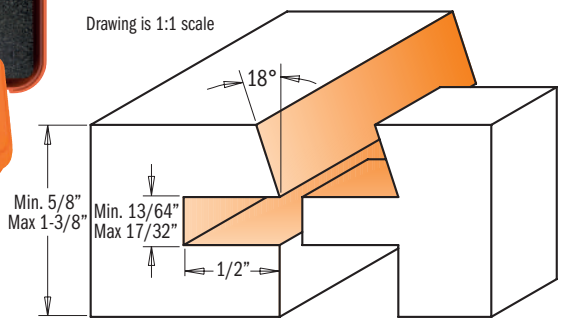


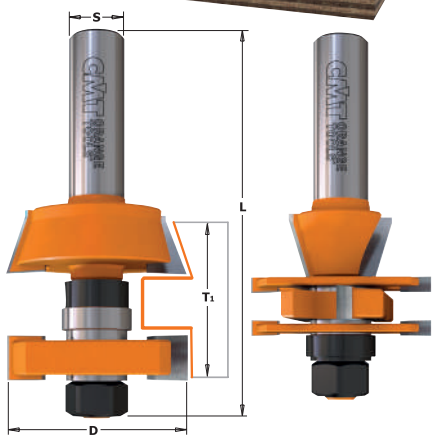
800.624

CARBIDE TIPPED | T2 | RH

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.







ORDER NO. S=Ø1/2" shank	D inches	D mm	T1 inches	A	L inches
800.624.11	1-5/8	41.2	5/8 - 1-3/8	18°	3-27/64

Spare parts

791.025.00	822.025.11 (3.7mm)	822.026.11 (7.14mm)	822.027.11 (3.7mm)	822.028.11 (10.4mm)	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



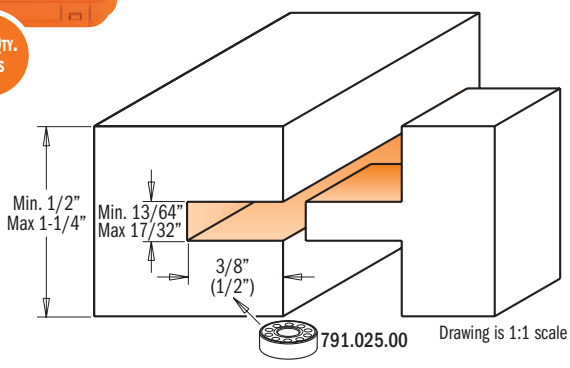
800.625

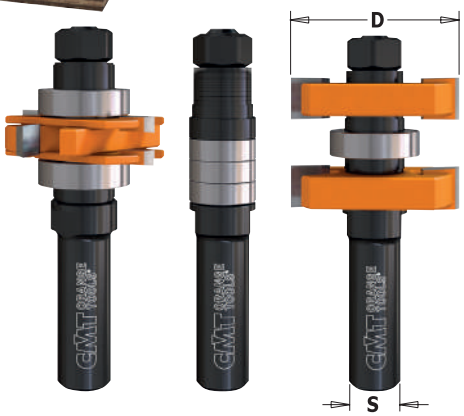
CARBIDE TIPPED | T2 | RH

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 0.002" increments;
- For groove width from 13/64" to 17/32";
- Cut stock thickness of 1/2" to 1-1/4";
- Features micrograin carbide for longer life.









ORDER NO. S=Ø1/2" shank	D inches	D mm	T1 inches
800.625.11	1-5/8	41.2	1/2 - 1-1/4

Spare parts

824.136.00	791.012.00 (8-22mm)	822.025.11 (3.7mm)	822.026.11 (7.14mm)	822.027.11 (3.7mm)	822.028.11 (10.4mm)	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

CMT ORANGE TOOLS®

CARBIDE TIPPED | T2 | RH

800.627

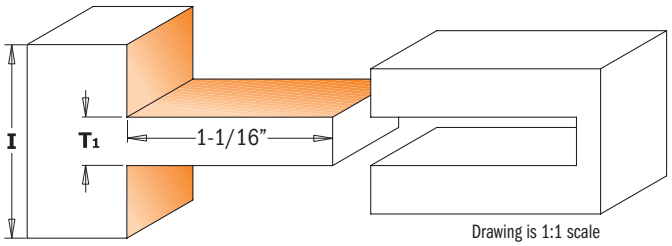


PACK QTY. 5 PCS

Cut perfectly fitted tenons, everytime.

If you've struggled cutting tenons that fit, here's the perfect solution for precise tenons. CMT's new tenon cutting router bit will produce perfectly fitting tenons in every board you cut, even if the boards vary slightly in thickness. Simply set the distance between the cutters using the included spacers, and you can easily cut tenons from 3/16" to 5/8" thick, up to 1-1/16" long. This simple-to-use router bit takes the mystery out of achieving the excellent tenon-to-mortise fit required for high quality joinery.

SAFETY PRECAUTIONS:
maximum speed: 12,000 rpm.
Router table only.



Drawing is 1:1 scale

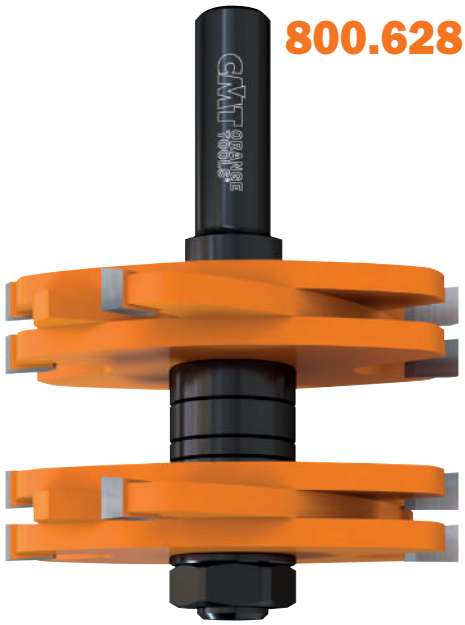
ORDER NO. S=Ø1/2" shank	I inches	I mm	D inches	T1 inches	L inches
800.627.11	1-3/8	34.9	3	3/16 - 3/8	3-5/16

Spare parts

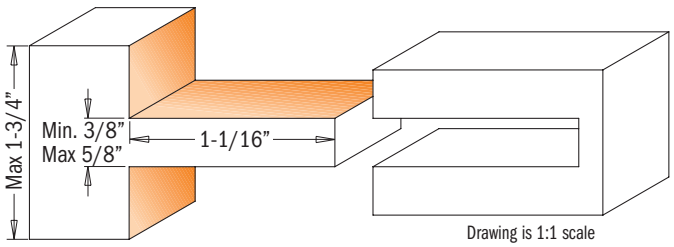
		0.1mm	0.3mm	1/16"	1/8"	1/4"
824.134.00	822.020.11	541.526.00	541.520.00	541.521.00	541.522.00	541.523.00

Spare parts: **990.022.00** Nut for arbor, M12x1.25mm

800.628



PACK QTY. 5 PCS



Drawing is 1:1 scale

ORDER NO. S=Ø1/2" shank	I inches	I mm	D inches	T1 inches	L inches
800.628.11	1-3/4	44.5	3	3/8 - 5/8	4

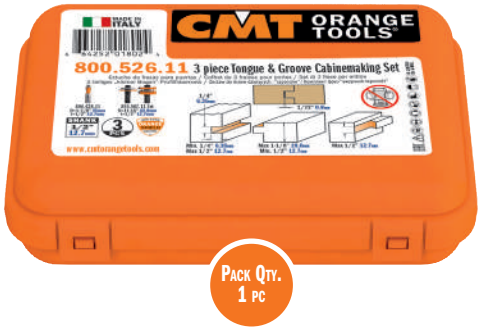
Spare parts

		0.1mm	0.3mm	1/16"	1/8"	1/4"
824.135.00	822.020.11	541.526.00	541.520.00	541.521.00	541.522.00	541.523.00

Spare parts: **990.022.00** Nut for arbor, M12x1.25mm

3-piece Tongue & Groove Cabinetmaking Set



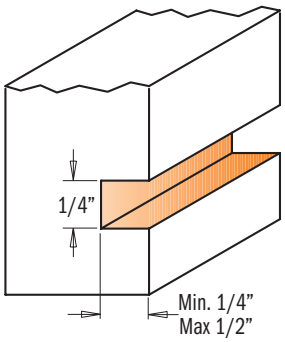


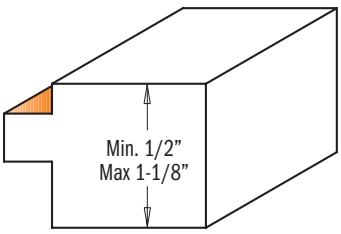
PACK QTY. 1 PC

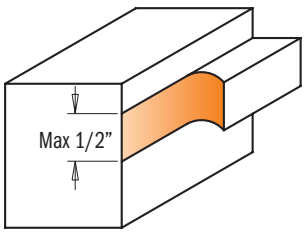
CMT has developed a tongue and groove cabinet making system that derives from traditional European methods of joinery. Combine the CMT tongue and groove system with the ease and speed of new world pocket hole methods and you have the versatility to build single cabinets or entire kitchens!
The CMT Tongue and Groove Set includes a matched set that produces a 1/4" x 1/4" tongue. The feature of the CMT system that sets it apart from other tongue and groove sets is that the tongue is offset to one side of the joint.
This system produces a stronger joint creating a greater drilling area when used in conjunction with the CMT Pocket Pro™ and face frame screws. When the Pocket Pro™ is set at the one inch setting, the screw will bypass the tongue and get a full bite in the grooved section, producing a much stronger joint.
In some cabinet making applications, it is necessary to trim portions of the tongue. For this reason, we have included a 1/2" shank flush trim bit to complete the three piece set.

The CMT tongue and groove joint is used in every element of cabinetry. When used in conjunction with the CMT Pocket Pro™ System you can combine the most appealing characteristics of traditional European joinery together with the newest techniques for crafting face frame joints, even in concealed areas where bottoms, sides and dividers are attached to the face frame.

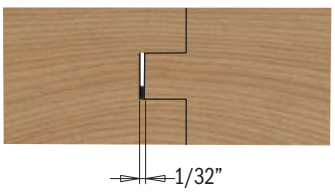
You can be sure that you are buying an original CMT product by checking the tool shank. Only genuine CMT bits carry the one and only CMT Orange Tools mark! Packaged in a sturdy recloseable plastic case.







Drawing is 1:1 scale



800.526.11 1/2" shank

SET CONTAINS	ORDER NO. S=Ø1/2" shank	D		I		L		B	
		inches	mm	inches	mm	inches	mm	inches	mm
Flush Trim	806.628.11	1/2	12.7	1/2	12.7	2-25/32	70.6	1/2	12.7
Rail & Stile	855.507.11	1-11/16	42.8	1-1/8	28.5	2-3/4	70	1-1/4	31.7

3-piece Entry & Interior Door router Bit Set

CMT ORANGE TOOLS®

CARBIDE TIPPED | T2 | RH



PACK QTY. 1 PC

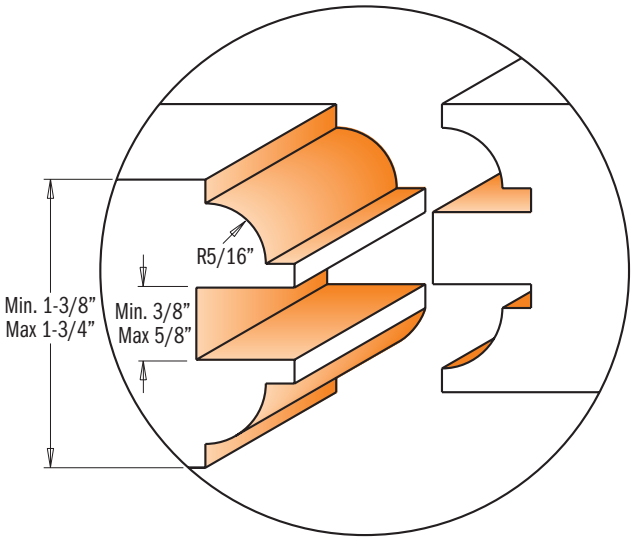


855.806.11



INSTRUCTION MANUAL INCLUDED!

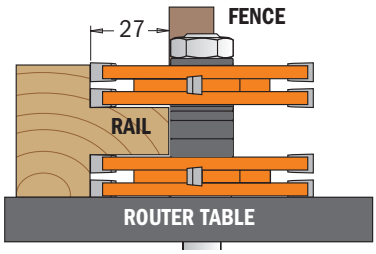




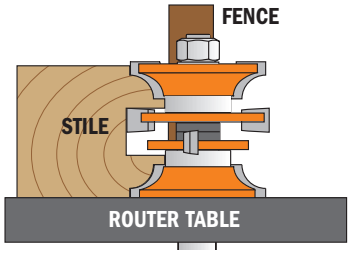
The new CMT three-piece set simplifies door construction, making it easy as 1-2-3! This handy multi-functional set creates fine entry and passage doors as well as beautiful furniture tenons. The featured tenon cutter produces a beefy 1-1/16" long tenons. Coupled with the cope cutter, strong tenons are a breeze and with minimum set up. As an extra bonus, the tenon cutter can be used for furniture making that requires a tenon anywhere from 3/16" to 5/8" in thickness. Packaged in a sturdy recloseable plastic case.



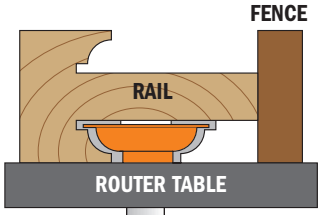
ENTRY & INTERIOR DOOR CONSTRUCTION - EASY AS 1-2-3!



Step 1. Cut the tenon in the rails



Step 2. Cut the groove and door profile in all the pieces.



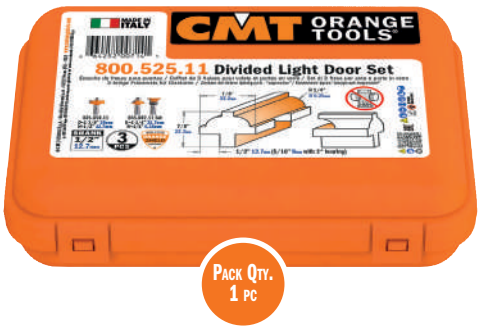
Step 3. Undercut the tenons to cope the ends of the rails.

800.527.11 1/2" shank

SET CONTAINS	ORDER NO. S=Ø1/2" shank	D inches	D mm	I inches	I mm	T1 inches	L inches	L mm	B mm
Tenon Cutting Router Bit	800.628.11	3	76	1-3/4	44.5	3/8 to 5/8	3-15/16	100	
Rail & Stile Router Bit Set	855.806.11	1-7/8	47.6	1-3/4	44.5	1-3/8 to 1-3/4	4	101.6	22

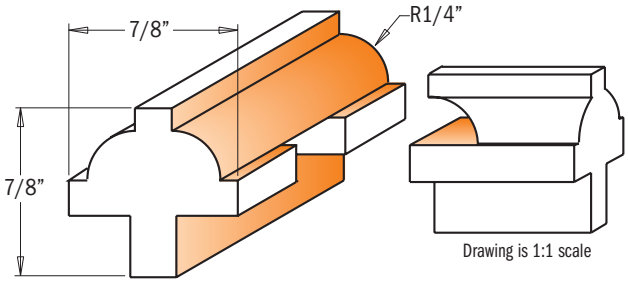
3-piece Divided Light Door Set





PACK QTY. 1 PC

Build authentic divided light doors for fine furniture and cabinets with this 3-piece set. The set includes a stick bit to cut the decorative ovolo profile on the frame edges, a cope bit which shapes the mating profile on the ends of the stock, and a rabbeting bit for cutting the recess for the glass. Because the bits have guide bearings you can also create arched or 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. The set is designed for 7/8" wide bars such as those on a corner cupboard door. Instructions included.
Note: You will need to produce mortise and tenon joints with a tenoning jig or other tools. Packaged in a sturdy recloseable plastic case.



Drawing is 1:1 scale



800.525.11 1/2" shank

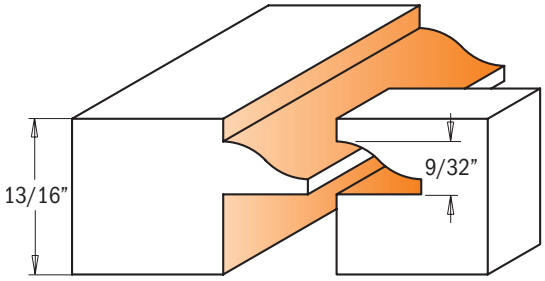
SET CONTAINS	ORDER NO. S=Ø1/2" shank	D		I		R		L		H	
		inches	mm	inches	mm	inches	mm	inches	mm	inches	mm
Rabbeting Bit	835.850.11	1-3/8	34.9	1/2	12.7			2-11/32	59.4	1/2	12.7
Rail & Stile Bits	855.802.11	1-1/4	31.7	1/2	12.7	1/4	6.35	2-1/4	57		

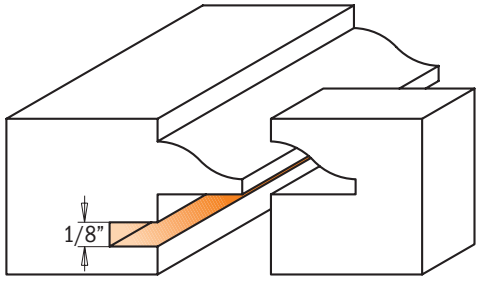
3-piece Glass Panel Set





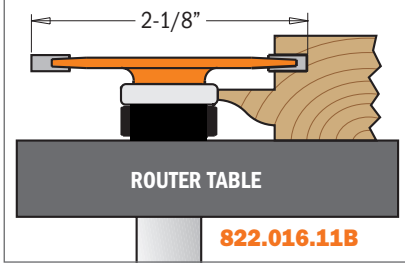
CMT's unique stile and rail set allows you to produce glass panel doors utilizing a rubber panel retainer to secure the glass in a 1/8" slot cut into the frames. These 1/2" shank bits work the same as our other stile and rail sets, but leave you with a square rabbet on the inside of your door for glass installation. Packaged in a sturdy recloseable plastic case.

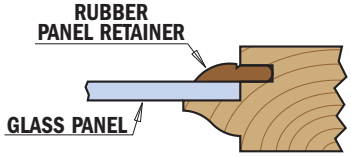




Drawing is 1:1 scale

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.





855.803.11 1/2" shank

SET CONTAINS	ORDER NO. S=Ø1/2" shank	D		I		R		L	
		inches	mm	inches	mm	inches	mm	inches	mm
Ogee Rail & Stile Set	855.803.11MF	1-5/8	41.2	13/16	20.6	5/16	7.94	3-1/32	77
1/8" Slot Cutter	822.016.11B	2-1/8	53.9	1/8	3.17			2-13/64	55.9

CMT ORANGE TOOLS®

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PACK QTY. 1 PC

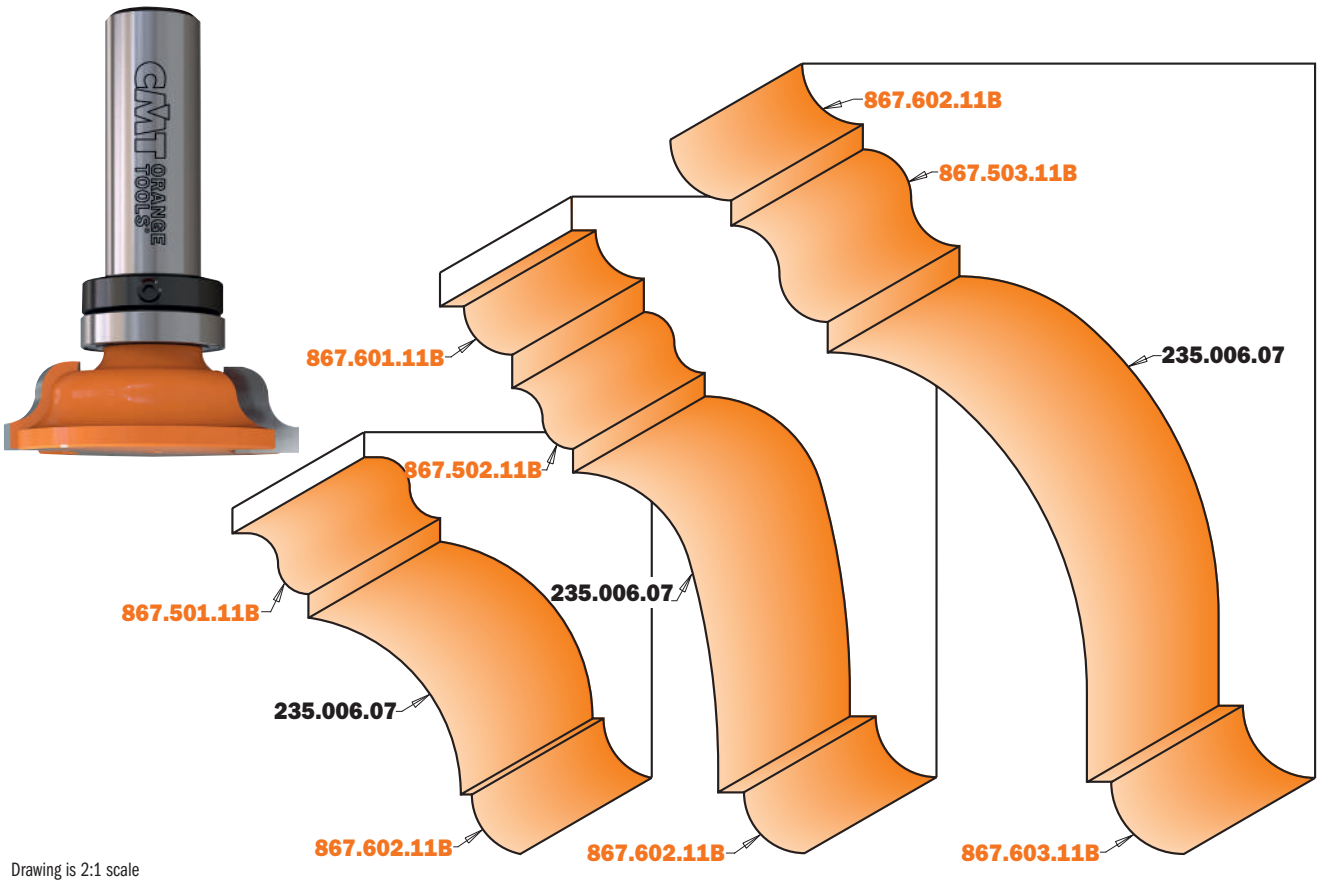


235.006.07

This set lets you make crown molding that surpasses anything you'll find at the lumberyard, and that's just the beginning! By arranging the profiles of the six router bits in various combinations you can create dozens - or hundreds - of different decorative profiles!
The set consists of a 7" diameter, 5/8" arbor cove cutter for your table saw, and six 1/2" shank carbide tipped router bits.
All six bits - three ogees and three roundovers - feature CMT's unique inverted design. Why use inverted profiles?
Because the flat face of your workpiece always remains firmly anchored to your router table for unprecedented accuracy and control. Packaged in a sturdy recloseable plastic case.

800.523.11 1/2" shank

SET CONTAINS	ORDER NO. S=Ø1/2" shank
Inverted roman ogee profile - 5/32" radius	867.501.11B
Inverted roman ogee profile - 5/32" radius	867.502.11B
Inverted roman ogee profile - 1/4" radius	867.503.11B
Inverted roundover profile - 1/4" radius	867.601.11B
Inverted roundover profile - 5/16" radius	867.602.11B
Inverted roundover profile - 3/8" radius	867.603.11B
Cove cutter head - 7" diameter, 6 carbide teeth, 5/8" bore	235.006.07
Shim, 5/8" bore	299.011.00



Drawing is 2:1 scale

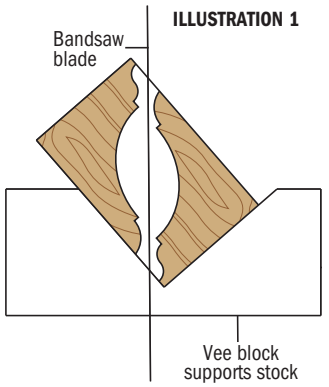
Creating decorative molding with CMT's Crown Molding Set

CMT's Crown Molding Set allows you to shape elegant moldings with your tablesaw and router table. The set consists of a cove cutter and six router bits with inverted profiles. The cove cutter mounts on your tablesaw and is used in conjunction with a pair of angled fences. Changing the fence angle and cutter height allows you to create an almost infinite variety of cove shapes and sizes. After milling the cove, you can use the special router bits with inverted profiles to complete the molding.

PLAN YOUR CUTS

Begin with a drawing of your design or use one of the designs shown below. Next, sketch the cove outline on each end of the stock as shown at right.

ILLUSTRATION 1



PREPARE THE STOCK

In order to get the best possible yield from your stock, we suggest that you rip the stock diagonally on a bandsaw before milling the cove as shown in **illustration 1**.

MOUNTING THE CUTTERHEAD

Begin by disconnecting the tablesaw from its power source and removing the blade. To mount the cutterhead, first position the 2-5/8" diameter spacer that came with the set against the flange on the saw arbor. The spacer will center the cutterhead within the throat plate opening. Next, position the cutterhead on the arbor and secure the assembly with the washer and arbor nut. Finally, place the dado throat plate in position. Before turning on the power, rotate the cutterhead by hand to be certain that it clears the throat plate.

MILLING COVES

This process is very similar to cutting coves with a standard saw blade on a table saw. If this operation is new to you or if you have questions beyond the instructions, we highly recommend you take time to further study this technique in either a woodworking class or consult a woodworking book that teaches the safest way to perform this operation.

Always make your molding by milling the cove first while the stock has the greatest mass. To safely use the cove cutter, it's necessary to have a dado head insert plate for your saw. Use a dual fence set up as shown in **illustrations 2 & 3** to guide and support the workpiece as the cove is shaped. The fences are clamped to the top of the tablesaw and the stock passes between them, running at an angle to the cutting blade. With the cutterhead height set at the depth of the cove to be cut, position a fence at an angle so that the stock enters the cutter along the left leading edge and exits the stock along the right trailing edge.

Before making the first cut, lower the cutterhead to 1/16" above the table top. Turn on the power and feed the stock slowly between the fences; after each pass raise the cutterhead another 1/16".

Remember to use a guard and push blocks for added safety.

ILLUSTRATION 2

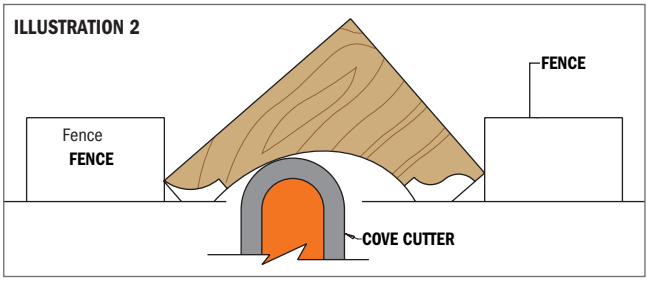
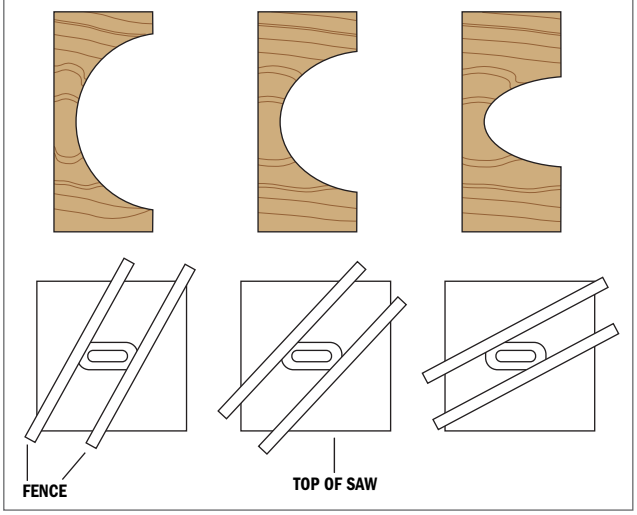


ILLUSTRATION 3: Creating different coves with different fence angles



ROUTING MOLDINGS WITH THE INVERTED BITS

Because the profiles are inverted on the shank, you can rout large moldings that are impossible to shape with ordinary router bits.

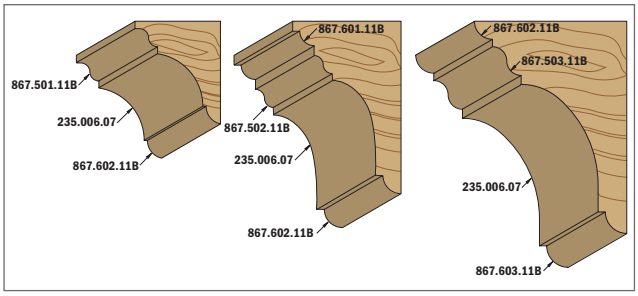
Before routing, always begin with a drawing of the molding that you would like to produce. Remember, begin by shaping the cove with the cove cutter on your tablesaw, then set up the routing tasks.

Afterwards, rout the profiles that flank each side of the cove. Use your router table and a fence for the best support of the stock.

For added safety and the smoothest possible surface, always take multiple light cuts and support the workpiece with featherboards.

MILLING CURVED MOLDINGS

The inverted router bits each have a bearing mounted on the shank. This feature allows you to shape curved profiles such as gooseneck and circular moldings. When routing curved moldings, first attach a plywood template to the workpiece to serve as a guide for the bearing to ride on.



CONTRACTOR ROUTER BITS BY 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.

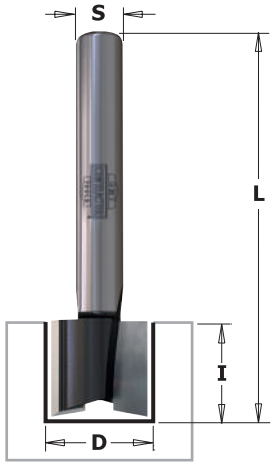
ANTI-KICKBACK DESIGN
Controls depth of cut and minimizes kickback reducing your risk of injury.

SINTERHIP HI-DENSITY CARBIDE
New process called SinterHIP (Hot Isostatic Pressing), helps prevent material failure and increases cutting life.

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.

Mortising Bits



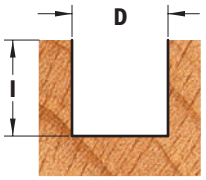
CMT CONTRACTOR TOOLS

801

CARBIDE TIPPED T2 RH

Hi-Density carbide cutting edges provide good performance in mortising applications eliminating splintered edges and rough bottoms. Works well on natural wood and wood composites.

ORDER NO. S=Ø1/4" shank		D inches	D mm	I inches	L inches
80101	10	1/2	12.7	1/2	2
80105	10	5/8	15.87	25/32	2
80107	10	3/4	19.05	25/32	2



Drawing is 1:1 scale

Straight Bits





*T1

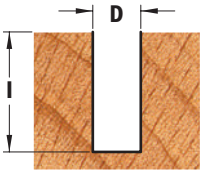
CMT CONTRACTOR TOOLS

811 - 812

CARBIDE TIPPED T1 T2 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.

ORDER NO. S=Ø1/4" shank		D inches	D mm	I inches	L inches
81103*	10	1/8	3.2	5/16	2
81105*	10	3/16	4.75	1/2	2
81108*	10	1/4	6.35	5/8	1-7/8
81203	10	1/4	6.35	1	2-1/2
81112	10	5/16	8	1	2-1/4
81115	10	3/8	9.52	1	2-3/16
81119	10	1/2	12.7	1	2-3/16
81208	10	1/2	12.7	1-1/4	2-7/16
81125	10	5/8	15.87	1	2-3/16
81131	10	3/4	19.05	1	2-3/16



Drawing is 1:1 scale

Pattern Bits



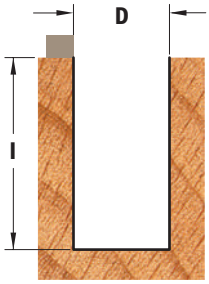
CMT CONTRACTOR TOOLS

811

CARBIDE TIPPED T2 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.

ORDER NO. S=Ø1/4" shank		D inches	D mm	I inches	L inches
81120	10	1/2	12.7	1	2-11/16



Drawing is 1:1 scale

Flush Trim Bits



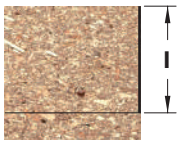
CMT CONTRACTOR TOOLS

CARBIDE TIPPED | T2 | RH

806

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.

ORDER NO. S=Ø1/4" shank		D inches	D mm	I inches	L inches
80603	10	3/8	9.52	9/16	2-3/16
80604	10	1/2	12.7	1	2-5/8
80605	10	1/2	12.7	1/2	2-3/16



Drawing is 1:1 scale

Laminate Trimmer Bits



84201 84301

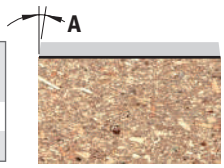
CMT CONTRACTOR TOOLS

SOLID CARBIDE | T1 | RH

842 - 843

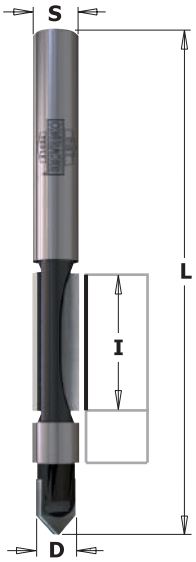
Solid Sinterhip Hi-Density Carbide provides a sharp cutting edge and long life. Features a self-pilot tip and radial relief edge. You can choose either a flush or 7° bevel cut on laminate edge.

ORDER NO. S=Ø1/4" shank		D inches	D mm	I inches	A	L inches
84201	10	1/4	6.35	3/8	0°	1-1/2
84301	10	1/4	6.35	1/4	7°	1-1/2



Drawing is 1:1 scale

Panel Pilot Bits



CMT CONTRACTOR TOOLS

CARBIDE TIPPED | T2+1 | RH

816

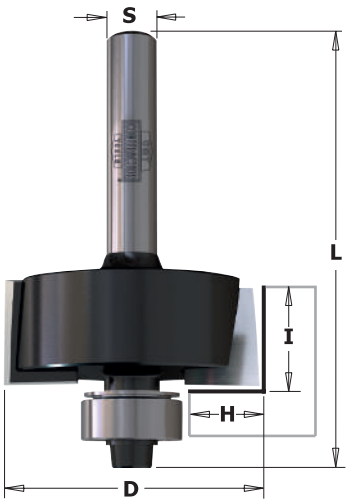
Quickly cut openings in panel, drywall and siding for door and window openings. Features a sharpened carbide tip for plunging and two carbide cutters for fast, smooth cuts.
Ideal for trimming veneered boards, laminates and FORMICA®.



ORDER NO. S=Ø1/4" shank	ORDER NO. S=Ø1/2" shank		D inches	D mm	I inches	L inches
81601		10	1/4	6.35	3/4	2-5/8
	81651	10	1/2	12.7	1	3-5/8

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Rabbeting Bits



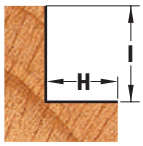
CMT CONTRACTOR TOOLS

835

CARBIDE TIPPED | T2 | RH

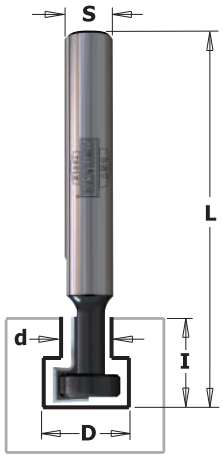
Ideal for creating inset doors and drawer fronts or to re-groove old window frames to accept a panel of glass. Features two carbide-tipped cutting edges, anti-kickback design with heat treated shank and body for durability. Bottom bearing included.

ORDER NO. S=Ø1/4" shank		D inches	D mm	I inches	H inches	L inches
83501	10	1-1/4	31.7	1/2	3/8	2-1/8
83503	10	1-1/2	38.1	1/2	1/2	2-1/8



Drawing is 1:1 scale

Keyhole Bit



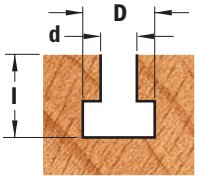
CMT CONTRACTOR TOOLS

850

CARBIDE TIPPED | T1 | RH

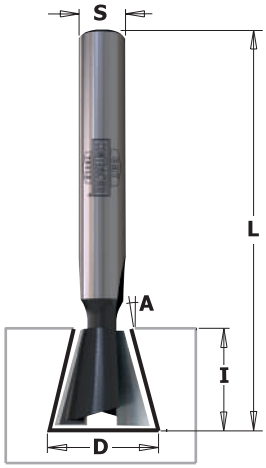
Easily create a hardware-free way to hang pictures and plaques on a wall. Cuts a key-holed groove or slot in a variety of materials such as wood, plywood and laminates.

ORDER NO. S=Ø1/4" shank		D inches	D mm	d inches	I inches	L inches
85001	10	3/8	9.52	3/16	7/16	1-7/8



Drawing is 1:1 scale

Dovetail Bits



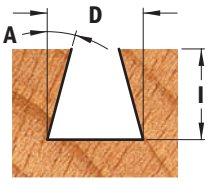
CMT CONTRACTOR TOOLS

818

CARBIDE TIPPED | T2 | RH

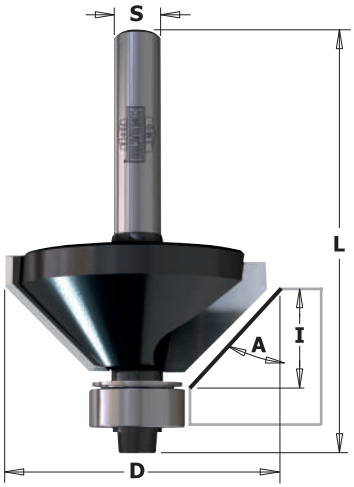
Use our bits with some of the most popular dovetail jigs on the market to create clean dovetail joints in wood and wood composite material. Balanced for good performance.

ORDER NO. S=Ø1/4" shank		D inches	D mm	I inches	A	L inches
81809	10	3/8	9.52	3/8	9°	1-3/4
81815	10	1/2	12.7	1/2	15°	2-1/16
81821	10	9/16	14.2	1	7.5°	2-5/8



Drawing is 1:1 scale

Chamfer Bit



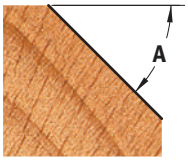
CMT CONTRACTOR TOOLS

836

CARBIDE TIPPED T2 RH

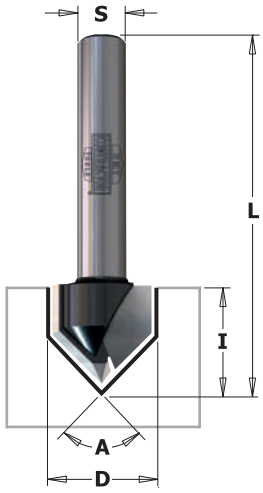
Produce clean, accurate bevel or chamfer edges for edge jointing, decorative edges or perfectly aligned boxes. Features two carbide-tipped cutting edges, anti-kickback design with heat treated shank and body for durability. Bottom bearing included.

ORDER NO. S=Ø1/4" shank		D inches	D mm	I inches	A	L inches
83605	10	1-3/8	34.9	7/16	45°	2-3/16



Drawing is 1:1 scale

V-Grooving Bits



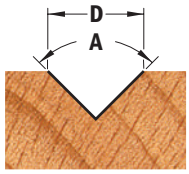
CMT CONTRACTOR TOOLS

858 - 815

CARBIDE TIPPED T2 RH

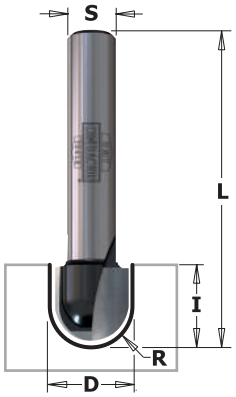
Make a clean sharp V-groove in panel and drawer fronts for decorative projects. Good for engraving letters for signs, they feature two sharp carbide-tipped cutting edges for smooth fast cutting. Choose from our 60° or 90° V-groove angle.

ORDER NO. S=Ø1/4" shank		D inches	D mm	I inches	A	L inches
85801	10	7/16	11	9/16	60°	1-3/4
81503	10	1/2	12.7	1/2	90°	1-3/4



Drawing is 1:1 scale

Round Nose Bits



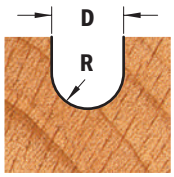
CMT CONTRACTOR TOOLS

814

CARBIDE TIPPED T2 RH

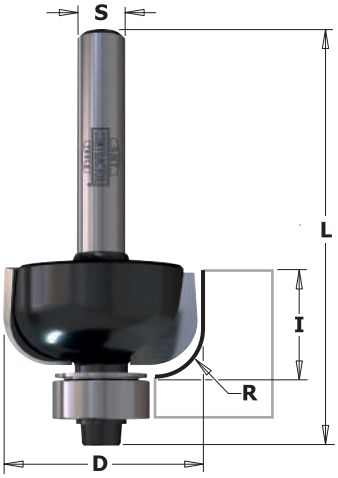
Designed for professional sign and cabinet makers. Use the round nose to make decorative doors, drawer fronts, signs or add a design to any other creative project. Features two carbide-tipped cutting edges which provide a smooth cut in wood and wood products.

ORDER NO. S=Ø1/4" shank		D inches	D mm	I inches	R inches	L inches
81410	10	1/4	6.35	3/8	1/8	1-9/16
81411	10	3/8	9.52	3/8	3/16	1-9/16
81404	10	1/2	12.7	1/2	1/4	1-9/16
81412	10	5/8	15.87	1/2	5/16	1-3/4
81408	10	3/4	19.05	1/2	3/8	1-13/16



Drawing is 1:1 scale

Cove Bits



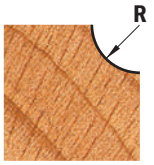
CMT CONTRACTOR TOOLS

837

CARBIDE TIPPED T2 RH

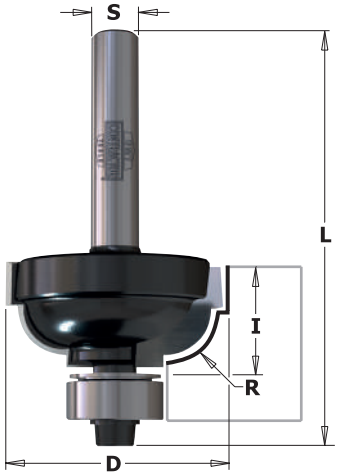
Give your doors and drawer fronts an elegant touch. Pair a cove bit with a roundover bit to create decorative elements on your furniture projects. Features two carbide-tipped cutting edges, anti-kickback design, heat treated shank and body for durability. Bottom bearing included.

ORDER NO. S=Ø1/4" shank		D inches	D mm	I inches	R inches	L inches
83702	10	1	25.4	1/2	1/4	2-1/8
83704	10	1-1/4	31.7	9/16	3/8	2-3/16
83705	10	1-1/2	38.1	5/8	1/2	2-7/16



Drawing is 1:1 scale

Cove & Fillet Bits



CMT CONTRACTOR TOOLS

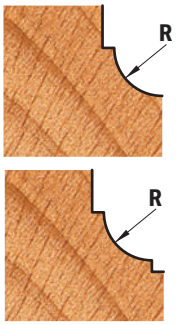
863

CARBIDE TIPPED T2 RH

Cove & fillet bits are a perfect option to add elegance to your furniture! These bits combine a traditional cove cut with a fillet cut to create an eye-catching effect. They feature two carbide-tipped cutting edges, anti-kickback design and a heat treated shank and body for unbeatable durability. Bottom bearing included.

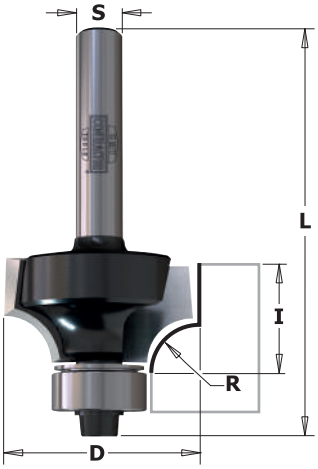
ORDER NO. S=Ø1/4" shank		D inches	D mm	I inches	R inches	L inches
86301	10	1	25.4	1/2	3/16	2-1/8
86303	10	1-1/8	28.5	17/32	1/4	2-1/8
86304	10	1-3/8	34.9	21/32	3/8	2-5/16

EACH BIT INCLUDES A 3/8" BEARING FOR BEADING PROFILES



Drawing is 1:1 scale

Roundover & Beading Bits



CMT CONTRACTOR TOOLS

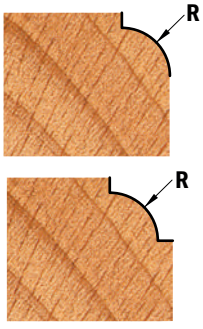
838

CARBIDE TIPPED T2 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.

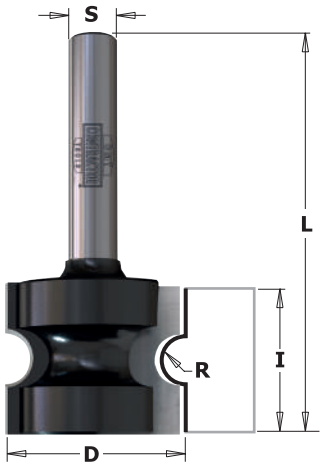
ORDER NO. S=Ø1/4" shank		D inches	D mm	I inches	R inches	L inches
83801	10	5/8	15.87	5/16	1/16	2
83802	10	3/4	19.05	27/64	1/8	2-1/16
83803	10	7/8	22.2	1/2	3/16	2-1/8
83804	10	1	25.4	17/32	1/4	2-1/8
83806	10	1-1/4	31.7	21/32	3/8	2-1/4
83807	10	1-1/2	38.1	3/4	1/2	2-3/8
83808	10	1-3/4	44.5	7/8	5/8	2-5/8

EACH BIT INCLUDES A 3/8" BEARING FOR BEADING PROFILES



Drawing is 1:1 scale

Bull Nose Bit



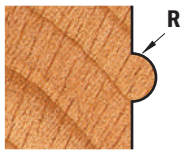
CMT CONTRACTOR TOOLS

854

CARBIDE TIPPED T2 RH

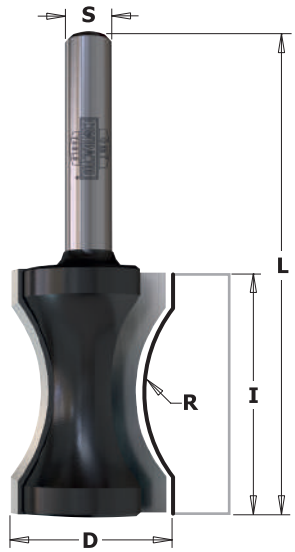
Ideal for shaping the full edge of any work piece with a smooth bull nose radius. Create a bull nose edge on stair treads, window sills, table tops, shelves, molding and counters. Good for use on natural wood and wood-based materials.

ORDER NO. S=Ø1/4" shank		D inches	D mm	I inches	R inches	L inches
85401	10	7/8	22.2	3/4	1/8	2



Drawing is 1:1 scale

Convex Edge Bit



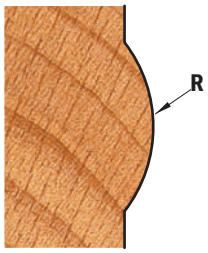
CMT CONTRACTOR TOOLS

854

CARBIDE TIPPED T2 RH

Used for cutting shallow bull nose profiles and creating a soft, slightly rounded edge on natural wood and wood-based material. Features two carbide-tipped cutting edges, antikickback design and heat treated shank and body for increased durability.

ORDER NO. S=Ø1/4" shank		D inches	D mm	I inches	R inches	L inches
85411	10	13/16	20.6	1-1/4	23/32	2-1/2



Drawing is 1:1 scale

Ovolo Bit



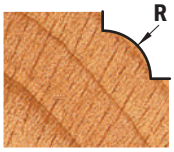
CMT CONTRACTOR TOOLS

827

CARBIDE TIPPED T2 RH

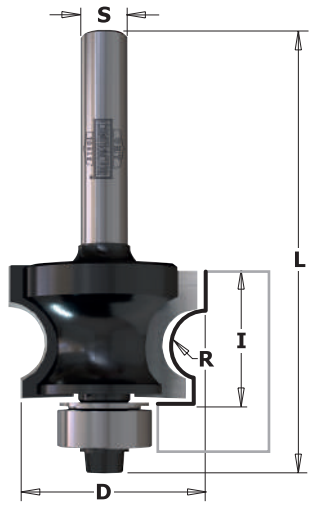
Ideal for furniture makers, you get a roundover with top and bottom bead all in one. Bit equipped with two carbide-tipped cutting edges, features anti-kickback design and heat treated shank and body for increased durability.

ORDER NO. S=Ø1/4" shank		D inches	D mm	I inches	R inches	L inches
82706	10	1	25.4	9/16	1/4	1-13/16



Drawing is 1:1 scale

Corner Bead Bit



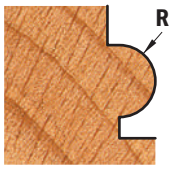
CMT CONTRACTOR TOOLS

CARBIDE TIPPED T2 RH

861

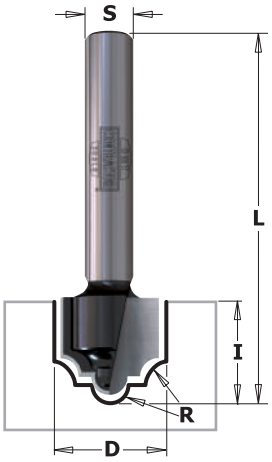
Used for antique reproduction, restoration projects and furniture details. This tool may look like a bull nose bit, but a smaller cutting diameter adjacent to the bearing gives a truly unique shape. Make one pass to mill an attractive rounded edge, or two passes to mill a full-round corner bead. Features two carbide-tipped cutting edges, anti-kickback design and heat treated shank and body for durability. Bottom bearing included.

ORDER NO. S=Ø1/4" shank		D inches	D mm	I inches	R inches	L inches
86102	10	1	25.4	11/16	3/16	2-5/16



Drawing is 1:1 scale

Plunge Ogee Bit



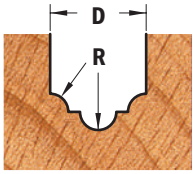
CMT CONTRACTOR TOOLS

CARBIDE TIPPED T2 RH

848

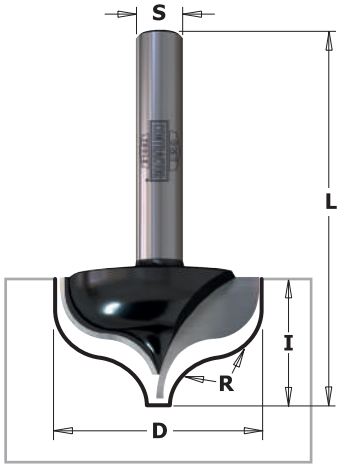
Lots of creative applications are possible with this bit. Add a classic touch to any edge or highlight door fronts and panels with a decorative layered effect. Features two carbide-tipped cutting edges, along with heat treated shank and body for durability.

ORDER NO. S=Ø1/4" shank		D inches	D mm	I inches	R inches	L inches
84805	10	1/2	12.7	1/2	3/32	1-13/16



Drawing is 1:1 scale

Decorative Ogee Bit



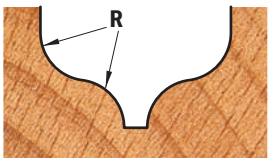
CMT CONTRACTOR TOOLS

CARBIDE TIPPED T2 RH

865

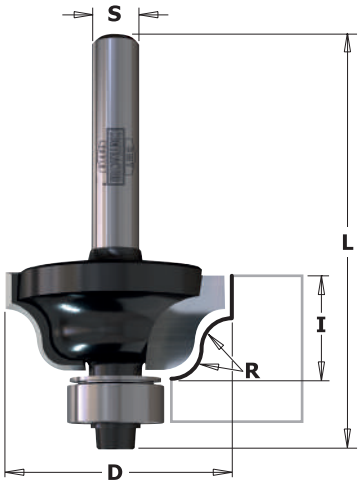
Use this tool to make decorative veining or edges on doors and drawer fronts. Equipped with two carbide-tipped cutting edges and heat treated shank and body for durability.

ORDER NO. S=Ø1/4" shank		D inches	D mm	I inches	R inches	L inches
86508	10	1-1/32	26.1	5/8	1/4	1-7/8



Drawing is 1:1 scale

Roman Ogee Bits



CMT CONTRACTOR TOOLS

840

CARBIDE TIPPED T2 RH

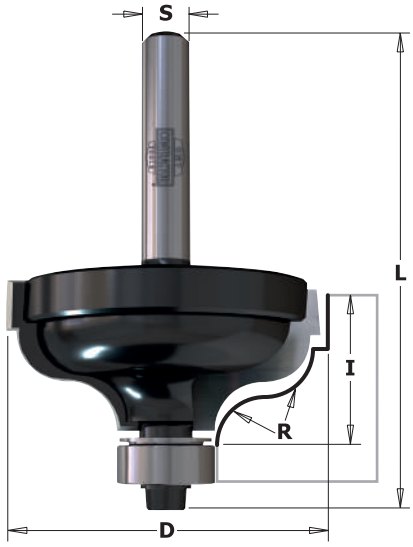
A very popular bit for making a wavy profile which, gives a touch of class to your furniture. These bits feature an anti-kickback design, rust-resistant black coating and include a smooth running bearing for template work.

ORDER NO. S=Ø1/4" shank		D inches	D mm	I inches	R inches	L inches
84001	10	1-1/8	28.5	1/2	5/32	2-1/8
84002	10	1-1/2	38.1	11/16	1/4	2-3/8



Drawing is 1:1 scale

Ogee with Fillet Bit



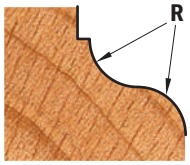
CMT CONTRACTOR TOOLS

846

CARBIDE TIPPED T2 RH

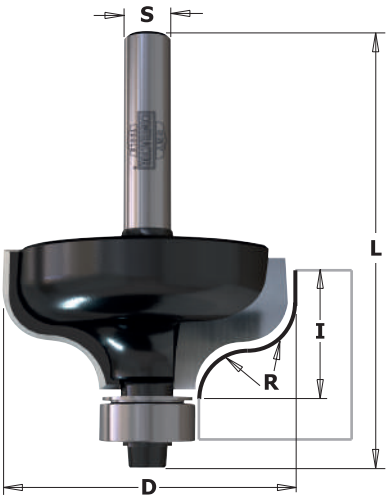
Create a wavy shape with a fillet on top for your project. This tool is equipped with carbide-tipped cutting edges, features anti-kickback design and heat treated shank and body for durability. Bottom bearing included.

ORDER NO. S=Ø1/4" shank		D inches	D mm	I inches	R inches	L inches
84602	10	1-5/8	41.2	3/4	1/4	2-7/16



Drawing is 1:1 scale

Ogee Bit



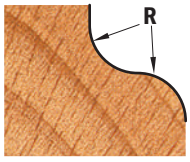
CMT CONTRACTOR TOOLS

859

CARBIDE TIPPED T2 RH

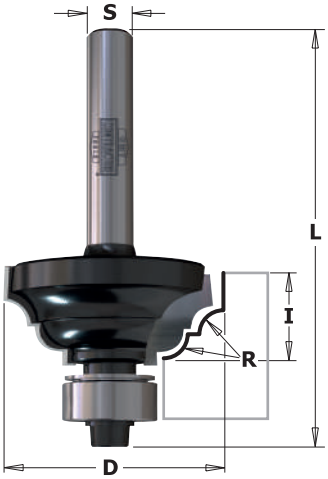
Create a defined wavy shape to the edge of your furniture and cabinets with this traditional ogee bit. Bit features two carbide-tipped cutting edges and anti-kickback design. Bottom bearing included.

ORDER NO. S=Ø1/4" shank		D inches	D mm	I inches	R inches	L inches
85902	10	1-1/2	38.1	5/8	1/4	2-1/4



Drawing is 1:1 scale

Classical Ogee Bit



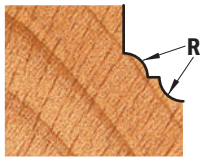
CMT CONTRACTOR TOOLS

841

CARBIDE TIPPED | T2 | RH

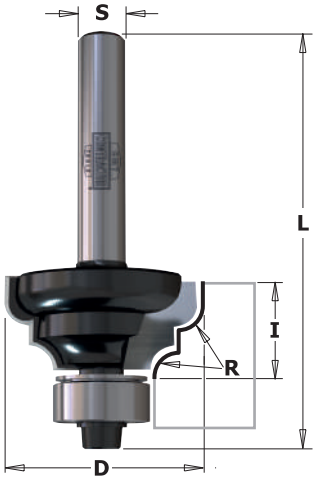
These bits produce both a concave and a convex profile on your work piece for smooth eye-catching detail! They feature 2 sharp cutting edges, rust-resistant black coating and are equipped with a bottom bearing for easy template work on both natural wood and wood-based materials.

ORDER NO. S=Ø1/4" shank		D inches	D mm	I inches	R inches	L inches
84103	10	1-1/8	28.5	1/2	1/8	2-1/8



Drawing is 1:1 scale

Classical Ogee Bit



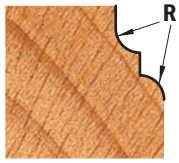
CMT CONTRACTOR TOOLS

844

CARBIDE TIPPED | T2 | RH

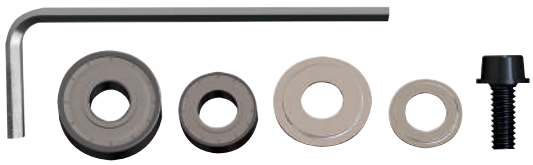
Get an inverted ogee profile with the concave edge adjacent to the upper surface of your work-piece! Equipped with 2 sharp cutting edges and featuring rust-resistant black coating, this tool defines edges with a horizontal bead along the bottom of the cut. A smooth running bearing makes template work easy on both natural wood and wood-based materials.

ORDER NO. S=Ø1/4" shank		D inches	D mm	I inches	R inches	L inches
84403	10	1	25.4	1/2	1/8	2-1/8



Drawing is 1:1 scale

Replacement Bearing Set



PACK QTY. 10 PC

79101

SET CONTAINS	PIECES
3/8" Bearing	1
1/2" Bearing	1
3/8" Dust Shields	1
1/2" Dust Shields	1
Hex Key	1
Screw	1



Pack Qty. 1 pc

CMT CONTRACTOR TOOLS

CARBIDE TIPPED T2 RH

80004 4-PIECE ROUNDOVER SET — 1/4" shank

SET CONTAINS	D inches	D mm	I inches	R inches	L inches
83802	3/4	19.05	27/64	1/8	2-1/16
83804	1	25.4	17/32	1/4	2-1/8
83806	1-1/4	31.7	21/32	3/8	2-1/4
83807	1-1/2	38.1	3/4	1/2	2-3/8



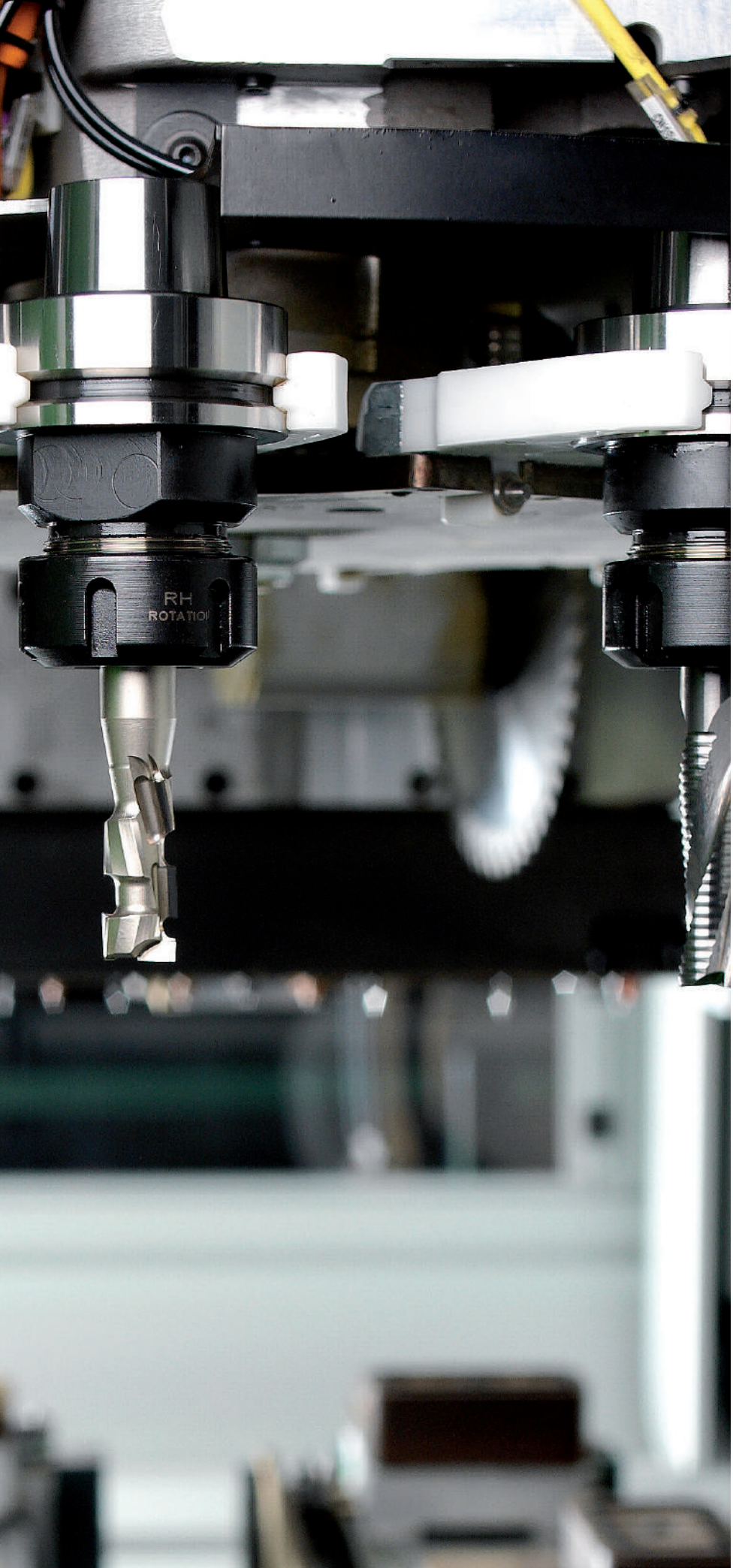
Pack Qty. 1 pc

CMT CONTRACTOR TOOLS

CARBIDE TIPPED T1 T2 RH

80005 5-PIECE STRAIGHT SET — 1/4" shank

SET CONTAINS	D inches	D mm	I inches	L inches	T
81103	1/8	3.2	5/16	2	1
81108	1/4	6.35	5/8	2	1
81115	3/8	9.52	1	2-3/16	2
81119	1/2	12.7	1	2-3/16	2
81131	3/4	19	1	2-3/16	2



CNC ROUTER BITS & CHUCKS

PRODUCTS	PAGE
Kinetic Dust Extractor	260
CNC Chucks	261-262
Universal Assembly Support for Chucks	261
Precision Collets	263
HSK Chucks for Grooving Blades	264
Solid Carbide Spiral Bits	265~271
Diamond Compression Bits	272
CNC Cutters with Insert Carbide	272~274

CMT XTREME BALANCING®



KINETIC DUST EXTRACTOR

992 Removes MDF & Chipboard dust from the workpiece

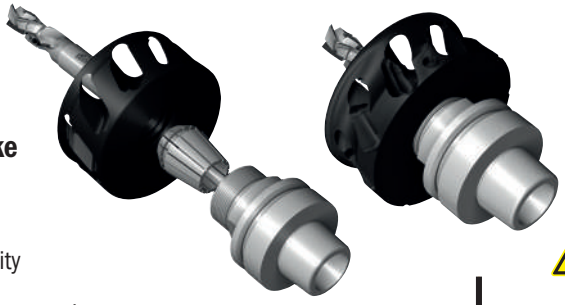
RH

ORDER NO.		D inches	D mm	DESCRIPTION
992.081.ER20	1	3-5/32	80	Kinetic Dust Extractor for chucks with ER20
992.081.ER25	1	3-5/32	80	Kinetic Dust Extractor for chucks with ER25
992.101.EOC25	1	3-15/16	100	Kinetic Dust Extractor for chucks with DIN6388/EOC25 collets
992.101.ER32	1	3-15/16	100	Kinetic Dust Extractor for chucks with ER32 collets
992.101.ER40	1	3-15/16	100	Kinetic Dust Extractor for chucks with ER40 collets

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!

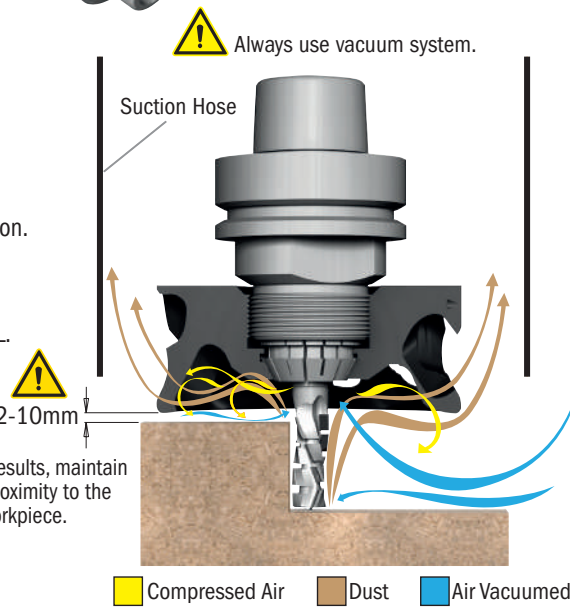
Installation and removal just like a clamping nut

- 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 322).



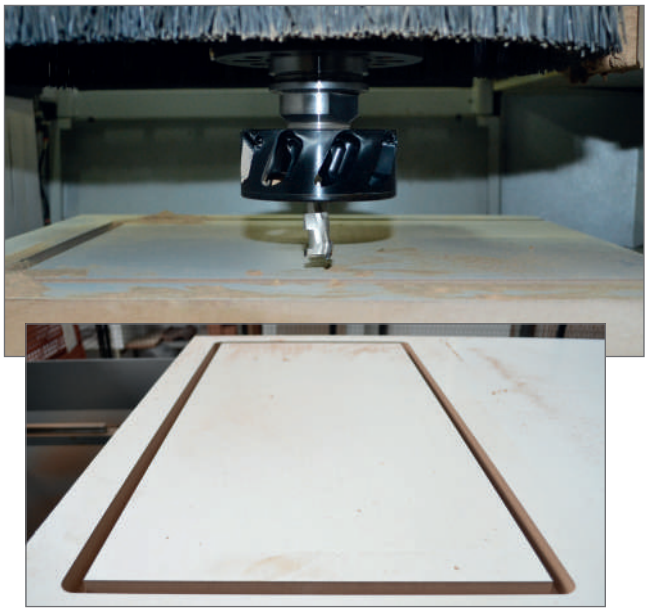
Download Instruction

Watch the video on YouTube

Working WITHOUT Kinetic Dust Extractor

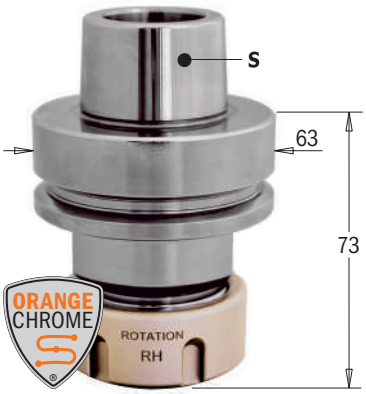


Working WITH Kinetic Dust Extractor



® Brand names mentioned in CMT products are the property of their respective owners (see page 376)

HSK-63F Chuck for “ER32” Precision Collets



183.300 XTREME

RH LH

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		S	TO BE USED WITH COLLET	NOTE
183.300.01	183.300.02	1	HSK-63F	ER32	Clamping nut without bearing
183.300.11*		1	HSK-63F	ER32	Clamping nut with bearing

Optional: **990.118.00** M6x10mm screw

* Suitable for right-hand and left-hand rotation.

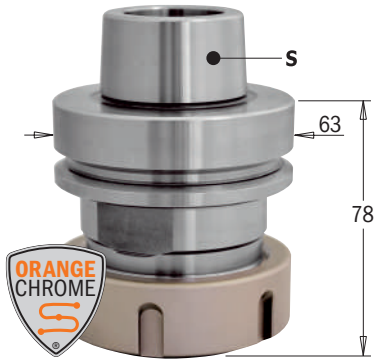
For HOMAG®, EIMA®, IMA® FROM 9/94, WEEKE®, BIESSE®, SCM®, MORBIDELLI® and MASTERWOOD® machines.

NON-STICK ORANGE CHROME® SHIELD COATING
- prevents overheating
- protects against corrosion and rust
- reduces resin build-up
- longer life and greater tool performance

SAFETY TIPS:

The **TW-200** Torque Wrench is recommended for the proper fastening of clamping nuts (see page 322)

HSK-63F Chucks for “ER40” Precision Collets



183.310 XTREME

RH LH

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		S	TO BE USED WITH COLLET	NOTE
183.310.01	183.310.02	1	HSK-63F	ER40	Clamping nut without bearing
183.310.11*		1	HSK-63F	ER40	Clamping nut with bearing

Optional: **990.117.00** M6x6mm screw

* Suitable for right-hand and left-hand rotation.

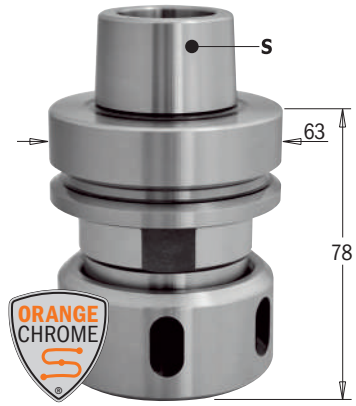
For HOMAG®, EIMA®, IMA® FROM 9/94, WEEKE®, BIESSE®, SCM®, MORBIDELLI® and MASTERWOOD® machines.

NON-STICK ORANGE CHROME® SHIELD COATING
- prevents overheating
- protects against corrosion and rust
- reduces resin build-up
- longer life and greater tool performance

SAFETY TIPS:

The **TW-200** Torque Wrench is recommended for the proper fastening of clamping nuts (see page 322)

HSK-63F Chucks for “EOC25” Precision Collet “DIN6388”



183.320

RH LH

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		S	TO BE USED WITH COLLET	NOTE
183.320.01*		1	HSK-63F	EOC25	Clamping nut with bearing
183.320.03		1	HSK-63F	EOC25	Clamping nut without bearing

Spare parts: **992.283.01** Clamping nut without bearing
992.283.11 Clamping nut with bearing

* Suitable for left-hand rotation too.

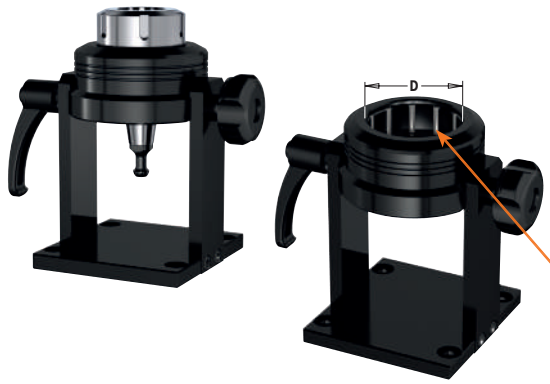
For HOMAG®, EIMA®, IMA® FROM 9/94, WEEKE®, BIESSE®, SCM®, MORBIDELLI® and MASTERWOOD® machines.

NON-STICK ORANGE CHROME® SHIELD COATING
- prevents overheating
- protects against corrosion and rust
- reduces resin build-up
- longer life and greater tool performance

SAFETY TIPS:

The **TW-200** Torque Wrench is recommended for the proper fastening of clamping nuts (see page 322)

Universal Assembly Supports for Chucks



183

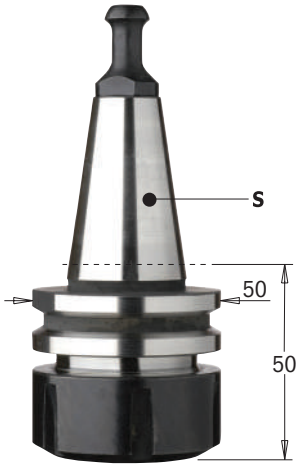
ORDER NO.		D mm	SUITABLE FOR
183-HSK	1	63	HSK-63, BT40, ISO40 DIN 2080, SK40 DIN 69871, CAPTO® C6
183-ISO*	1	50	ISO30, DIN 2080, SK30 DIN 69871, HSK50, CAPTO® C5

*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.

® Brand names mentioned in CMT products are the property of their respective owners (see page 376)

ISO30 Chucks for “ER32” Precision Collets





995.200

183.200

RH LH

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		S	TO BE USED WITH COLLET	RETAINING STUD mm
183.200.01	183.200.02	1	ISO30	ER32	Ø12-8

Spare parts: **992.183.01** RH Clamping Nut
992.183.02 LH Clamping Nut
991.183.00 C-Spanner “ER32”

For BIESSE® machines.

SAFETY TIPS:



The **TW-200** Torque Wrench is recommended for the proper fastening of clamping nuts (see page 322)

ISO30 Chucks for “ER40” Precision Collets





995.200

183.201

RH

ORDER NO. Right-hand rotation		S	TO BE USED WITH COLLET	RETAINING STUD mm
183.201.01	1	ISO30	ER40	Ø12-8

Spare parts: **992.383.01** RH Clamping Nut
991.184.00 C-Spanner “ER40”

For BIESSE® machines.

SAFETY TIPS:



The **TW-200** Torque Wrench is recommended for the proper fastening of clamping nuts (see page 322)

ISO30 Chucks for “ER32” Precision Collets





995.250

183.250

RH LH

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		S	TO BE USED WITH COLLET	RETAINING STUD mm
183.250.01	183.250.02	1	ISO30	ER32	Ø8.5

Spare parts: **992.183.01** RH Clamping Nut
992.183.02 LH Clamping Nut
991.183.00 C-Spanner “ER32”

For MORBIDELLI® and SCM® machines.

SAFETY TIPS:



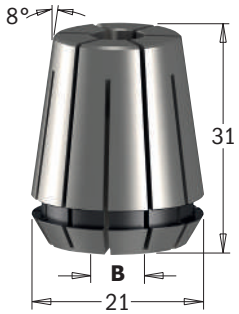
The **TW-200** Torque Wrench is recommended for the proper fastening of clamping nuts (see page 322)

® Brand names mentioned in CMT products are the property of their respective owners (see page 376)

Precision Collets “DIN6499”

184 **TECHNICAL DETAILS:**
Replaceable **Standard Precision** **0.015** collets. 0; -0.7mm wide clamping tolerance.
Suitable for most conical chucks. Fit most tapered spindle noses.
Special dimensions available on request.

RUN-OUT
This tolerance is guaranteed only on the nominal diameter.



ER20

B inches	ORDER NO.
1/4	**184.064.20**
5/16	**184.080.20**
3/8	**184.100.20**
1/2	**184.127.20**

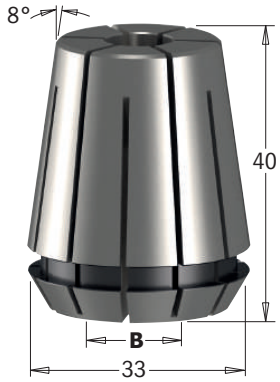
10 PCS. IN MASTERPACK



ER25

B inches	ORDER NO.
1/4	**184.064.25**
5/16	**184.080.25**
3/8	**184.100.25**
1/2	**184.127.25**
5/8	**184.160.25**

10 PCS. IN MASTERPACK

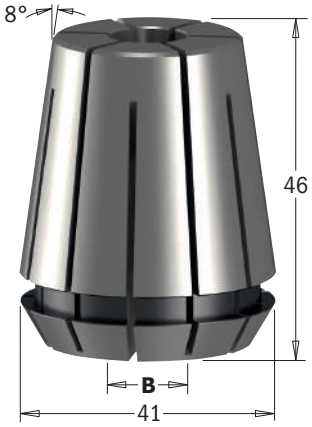


For chucks:
183.000/100/200/250/300/400

ER32

B inches	ORDER NO.
1/4	**184.065.00**
5/16	**184.080.00**
3/8	**184.095.00**
1/2	**184.127.00**
5/8	**184.160.00**
3/4	**184.190.00**
20mm	**184.200.00**

10 PCS. IN MASTERPACK



For chucks:
183.201/211/221/310

ER40

B inches	ORDER NO.
1/4	**184.064.00**
5/16	**184.082.00**
3/8	**184.096.00**
1/2	**184.128.00**
5/8	**184.162.00**
3/4	**184.192.00**
20mm	**184.202.00**
25mm	**184.252.00**

10 PCS. IN MASTERPACK

Precision Collets “DIN6388”

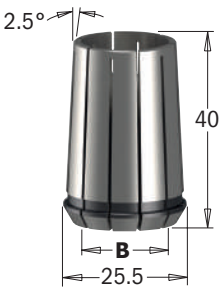
185 **TECHNICAL DETAILS:**
Replaceable **Standard Precision** **0.015** collets. 0; -0.7mm wide clamping tolerance.
Suitable for most conical chucks. Fit most tapered spindle noses.
Special dimensions available on request.



EOC25

B inches	ORDER NO.
1/4	**185.064.00**
5/16	**185.080.00**
3/8	**185.095.00**
1/2	**185.127.00**
5/8	**185.160.00**
3/4	**185.191.00**
20mm	**185.200.00**
25mm	**185.250.00**

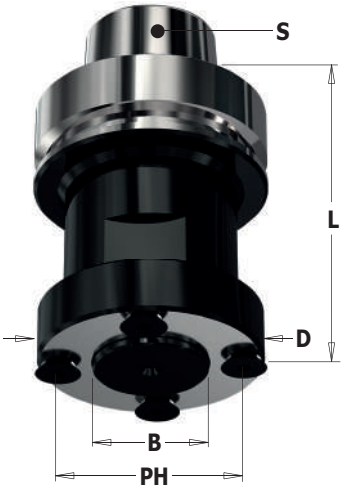
10 PCS. IN MASTERPACK



EOC16

B inches	ORDER NO.
5/16	**185.080.16**
5/8	**185.160.16**

10 PCS. IN MASTERPACK



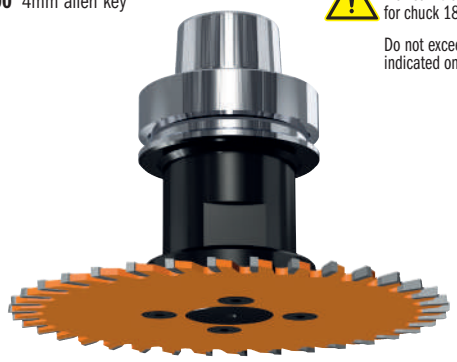
183.420

ORDER NO.		S	D mm	B mm	PIN HOLE	L mm
183.420.30	1	HSK-63F	59	30	4/M6/48	78

Spare parts: **990.116.00** M6x8,7x12mm TSPEI screw
991.064.00 4mm allen key

Max saw blade Ø10" (250mm) for chuck 183.420.30

Do not exceed maximum RPM indicated on the blade.

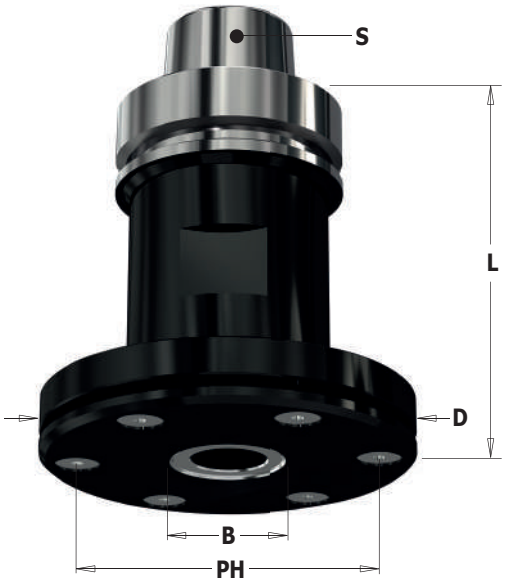


Grooving saw blades available on request.

SAFETY TIPS:



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 323).



183.421

ORDER NO.		S	D mm	B mm	PIN HOLE	L mm
183.421.30	1	HSK-63F	98	30	6/M6/80	94

Spare parts: **990.119.00** M6x12x16mm TSPEI screw
991.064.00 4mm allen key

Max saw blade Ø12" (300mm) for chuck 183.421.30

Do not exceed maximum RPM indicated on the blade.

with flange Ø98mm

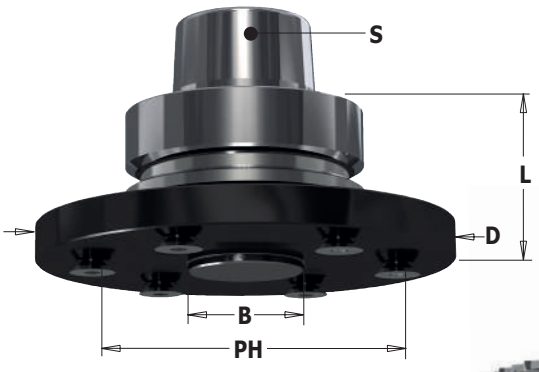


Grooving saw blades available on request.

SAFETY TIPS:



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 323).



183.422

ORDER NO.		S	D mm	B mm	PIN HOLE	L mm
183.422.30	1	HSK-63F	110	30	6/M6/80	40

Spare parts: **990.116.00** M6x8,7x12mm TSPEI screw
991.064.00 4mm allen key

Max saw blade Ø14" (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 323).

EXTRA HARD DLCS CHROME COATING

XTREME COATING

THE ULTIMATE TECHNOLOGY FOR INDUSTRIAL CNC TOOLS

DLCS is a modified diamond-like carbon coating with superior load bearing capacity. This hard, durable metal-based finish (chromium nitride) provides an higher hardness surface and enhances the tribological properties of the carbon coating. Its application prevents excessive heat build up which is detrimental to performance. This means cutting tools remain fully effective after every use.

Extreme Coating Hardness >HV 2.500	Minimal coating thickness µm 2-4	Provides the lowest coefficient of friction 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.	This micron thin finish guarantees perfectly sharpened edges for high 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 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
	Uncoated bit cut 56 melamine panels



FELDER® Profit H10



DLCS coated bit



Melamine Chipboard



Cut quality after 165 panels



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DLCS Chrome Coating Solid Carbide Upcut & Downcut Spiral Bits

CMT ORANGE TOOLS®



XTREME PERFORMANCE

EXTRA HARD DLCS CHROME COATING

3X LONGER LIFE THAN UNCOATED

LONG LIFE

190.41 COMPRESSION UPCUT & DOWNCUT 2+2-EDGE

SOLID CARBIDE T2+2 RH UP DOWN

ORDER NO. Right-hand rotation		D inches	D mm	I inches	I_1 Pos. inches	L inches	S inches
190.504.41	10	3/8	9.52	1-1/8	9/32	3	**3/8**
190.505.41	10	1/2	12.7	1	15/32	3	**1/2**
190.506.41	10	1/2	12.7	1-1/8	15/32	3	**1/2**
190.507.41	10	1/2	12.7	1-3/8	15/32	3-1/2	**1/2**
190.508.41	10	1/2	12.7	1-5/8	15/32	4	**1/2**

190.41 MORTISE COMPRESSION UPCUT & DOWNCUT 3+3-EDGE

SOLID CARBIDE T3+3 RH UP DOWN

ORDER NO. Right-hand rotation		D inches	D mm	I inches	I_1 Pos. inches	L inches	S inches
190.813.41	10	3/8	9.52	1	13/64	3	**3/8**
190.815.41	10	1/2	12.7	1-1/8	1/4	3	**1/2**

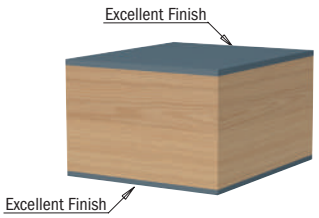
190.41 MORTISE COMPRESSION UPCUT & DOWNCUT 2+2-EDGE

SOLID CARBIDE T2+2 RH UP DOWN

ORDER NO. Right-hand rotation		D inches	D mm	I inches	I_1 Pos. inches	L inches	S inches
190.513.41	10	3/8	9.52	7/8	3/16	3	**3/8**
190.515.41	10	1/2	12.7	7/8	13/64	3	**1/2**
190.517.41	10	1/2	12.7	1-3/8	13/64	3-1/2	**1/2**

Solid Carbide Upcut & Downcut Spiral Bits





190 COMPRESSION UPCUT & DOWNCUT 2+2-EDGE

SOLID CARBIDE T2+2 RH UP DOWN

ORDER NO. Right-hand rotation		D inches	D mm	I inches	I_1 Pos. inches	L inches	S inches
190.008.11	10	1/4	6.35	7/8	9/32	2-1/2	**1/4**
190.504.11	10	3/8	9.52	1-1/8	9/32	3	**3/8**
190.505.11	10	1/2	12.7	1	15/32	3	**1/2**
190.506.11	10	1/2	12.7	1-1/8	15/32	3	**1/2**
190.507.11	10	1/2	12.7	1-3/8	15/32	3-1/2	**1/2**
190.508.11	10	1/2	12.7	1-5/8	15/32	4	**1/2**

190 MORTISE COMPRESSION UPCUT & DOWNCUT 3+3-EDGE

SOLID CARBIDE T3+3 RH UP DOWN

ORDER NO. Right-hand rotation		D inches	D mm	I inches	I_1 Pos. inches	L inches	S inches
190.813.11	10	3/8	9.52	1	13/64	3	**3/8**
190.815.11	10	1/2	12.7	1-1/8	1/4	3	**1/2**

190 MORTISE COMPRESSION UPCUT & DOWNCUT 2+2-EDGE

SOLID CARBIDE T2+2 RH UP DOWN

ORDER NO. Right-hand rotation		D inches	D mm	I inches	I_1 Pos. inches	L inches	S inches
190.513.11	10	3/8	9.52	7/8	3/16	3	**3/8**
190.515.11	10	1/2	12.7	7/8	13/64	3	**1/2**
190.517.11	10	1/2	12.7	1-3/8	13/64	3-1/2	**1/2**

TECHNICAL DETAILS:
- Premium quality super-micrograin carbide
- 2+2 spiral cutting edges [T2+2].
- 3+3 spiral cutting edges [T3+3].
- Provides excellent finish on both top and bottom sides of the workpiece.

APPLICATION:
for an excellent edge finish on the top and bottom sides of laminates and double sided melamine. Can also be used with hardwoods and other wood and plastic composites. For fast feed rates on CNC routers, machining centers and point to point machines for ripping, panel sizing, template routing and other routing applications.

Solid Carbide Upcut 2D/3D Carving Tapered Ball Nose Spiral Bits

CMT ORANGE TOOLS®



152

SOLID CARBIDE | T2 | T3 | RH | UP

ORDER NO. Right-hand rotation		D inches	D mm	R inches	A	I inches	L inches	S inches	T
152.064.082	10	1/32	0.8	1/64	6.2°	1	3	1/4	3
152.064.162	10	1/16	1.6	1/32	5.4°	1	3	1/4	3
152.064.322	10	1/8	3.2	1/16	3.6°	1	3	1/4	3
152.127.635	10	1/4	6.4	1/8	3°	2	4	1/2	2

TECHNICAL DETAILS:
- Premium quality HWM.
- Upcut spiral cutting edges [T2/T3].
- **Excellent finish on the lower side of the work piece.**
- Upward chip ejection.

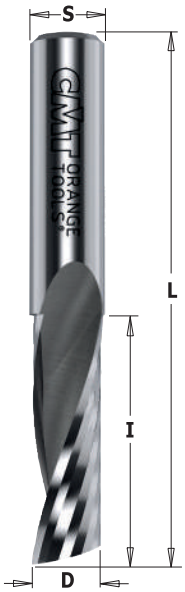
APPLICATION: specially designed for 2D and 3D CNC profiling and carving in plastic, aluminum & wood for several uses like:
- A perfect bit for 3D carving
- Precision 2D and 3D large scale carving
- Great for deep profiling
- Dimensional signage
- 3D millwork
- 2D and 3D contouring, profiling, modeling 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

ALSO EXCELLENT FOR
- CORIAN®
- COROPLAST®
- DIBOND®
- ETHAFOAM®
- LEXAN®
- PALFOAM®
- POLYLAM®

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

Solid Carbide Spiral Bits



198 UPCUT 1-EDGE

SOLID CARBIDE | T1 | RH | UP

ORDER NO. Right-hand rotation		D inches	D mm	I inches	L inches	S inches
198.001.11	10	1/8	3.18	1/2	2	1/4
198.005.11	10	3/16	4.76	5/8	2	1/4
198.007.11	10	1/4	6.35	3/4	2	1/4
198.008.11	10	1/4	6.35	1	2-1/2	1/4
198.504.11	10	3/8	9.52	1-1/8	3	3/8

TECHNICAL DETAILS:
- Premium quality HWM.
- 1 spiral cutting edge [T1].
- **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 adapters.

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Solid Carbide Upcut Spiral Bits



191

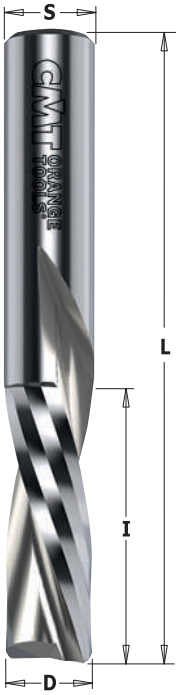
SOLID CARBIDE | T2 | RH | UP

ORDER NO. Right-hand rotation		D inches	D mm	I inches	L inches	S inches
191.001.11	10	1/8	3.18	1/2	2	**1/4**
191.003.11	10	5/32	3.97	1/2	2	**1/4**
191.005.11	10	3/16	4.76	3/4	2	**1/4**
191.007.11	10	1/4	6.35	3/4	2	**1/4**
191.008.11	10	1/4	6.35	1	2-1/2	**1/4**
191.501.11	10	5/16	7.94	1	3	**1/2**
191.503.11	10	3/8	9.52	1-1/4	3-1/4	**1/2**
191.505.11	10	1/2	12.7	1-1/4	3	**1/2**
191.506.11	10	1/2	12.7	1-1/2	3-1/2	**1/2**
191.507.11	10	1/2	12.7	2	4	**1/2**

TECHNICAL DETAILS:
- Premium quality HWM.
- 2 spiral cutting edges [T2].
- **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 adapters.

Solid Carbide Downcut Spiral Bits



192

SOLID CARBIDE | T2 | RH | DOWN

ORDER NO. Right-hand rotation		D inches	D mm	I inches	L inches	S inches
192.001.11	10	1/8	3.18	1/2	2	**1/4**
192.003.11	10	5/32	3.97	1/2	2	**1/4**
192.005.11	10	3/16	4.76	3/4	2	**1/4**
192.007.11	10	1/4	6.35	3/4	2	**1/4**
192.008.11	10	1/4	6.35	1	2-1/2	**1/4**
192.501.11	10	5/16	7.94	1	3	**1/2**
192.503.11	10	3/8	9.52	1-1/4	3-1/4	**1/2**
192.505.11	10	1/2	12.7	1-1/4	3	**1/2**
192.506.11	10	1/2	12.7	1-1/2	3-1/2	**1/2**
192.507.11	10	1/2	12.7	2	4	**1/2**
10 PCS. IN MASTERPACK						
192.008.11-X10		1/4	6.35	1	2-1/2	**1/4**
192.501.11-X10		5/16	7.94	1	3	**1/2**
192.505.11-X10		1/2	12.7	1-1/4	3	**1/2**

TECHNICAL DETAILS:
- Premium quality HWM.
- 2 spiral edges [T2].
- **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 adapters.



X10 (10 PCS. IN MASTERPACK)

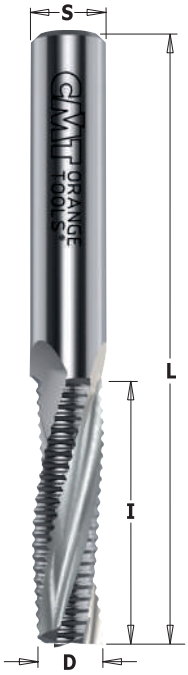
EXTRA HARD DLCS CHROME COATING

192.41 **DLCS Chrome Coating** Long Life

XTREME PERFORMANCE | 3X LONGER LIFE THAN UNCOATED

SEE PAGE 270

Solid Carbide Upcut Spiral Bits with Chip-Breaker



195

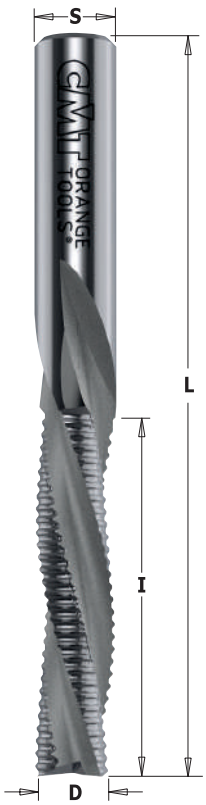
SOLID CARBIDE T3R RH UP

ORDER NO. Right-hand rotation		D inches	D mm	I inches	L inches	S inches
195.506.11	10	1/2	12.7	1-1/2	3-1/2	**1/2**

TECHNICAL DETAILS:
- Premium quality S.T.C.
- 3 spiral cutting edges [T3R].
- Chip breaker 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 adapters.

Solid Carbide Downcut Spiral Bits with Chip-Breaker



196

SOLID CARBIDE T3R RH DOWN

ORDER NO. Right-hand rotation		D inches	D mm	I inches	L inches	S inches
196.506.11	10	1/2	12.7	1-1/2	3-1/2	**1/2**

TECHNICAL DETAILS:
- Premium quality S.T.C.
- 3 spiral cutting edges [T3R].
- Chip breaker 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 adapters.

Straight Bits for Industrial Nesting Application **DLCS Chrome Coating**



812 XTREME PERFORMANCE

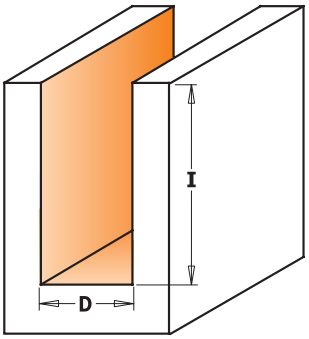
SOLID CARBIDE | T3 | RH | LONG LIFE

ORDER NO. Right-hand rotation		D inches	D mm	I inches	L inches	S inches
812.564.11	10	1/4	6.35	1	2-7/8	**1/2**
812.581.11	10	5/16	8	1-1/8	3	**1/2**

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



Drawing is 1:1 scale

3X LONGER LIFE THAN UNCOATED **DLCS CHROME COATING** provides 3 times longer life than uncoated tools!

Solid Carbide Downcut Spiral Bits **DLCS Chrome Coating**



192.41 XTREME PERFORMANCE

SOLID CARBIDE | T2 | RH | DOWN | LONG LIFE

ORDER NO. Right-hand rotation		D inches	D mm	I inches	L inches	S inches
192.007.41	10	1/4	6.35	3/4	2	**1/4**
192.008.41	10	1/4	6.35	1	2-1/2	**1/4**
192.503.41	10	3/8	9.52	1-1/4	3-1/4	**1/2**
192.505.41	10	1/2	12.7	1-1/4	3	**1/2**
192.506.41	10	1/2	12.7	1-1/2	3-1/2	**1/2**
192.507.41	10	1/2	12.7	2	4	**1/2**

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 Surface and Fiberglass Bit with **DLCS Chrome Coating**



151 XTREME PERFORMANCE

SOLID CARBIDE | RH | LONG LIFE

ORDER NO. Right-hand rotation		D inches	D mm	I inches	L inches	S inches
151.064.25E	10	1/4	6.35	1	2-1/2	**1/4**
151.127.38E	10	1/2	12.7	1-1/2	3-1/2	**1/2**

TECHNICAL DETAILS:
- Premium quality S.T.C.
- 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 adapters.

EXTRA HARD DLCS CHROME COATING

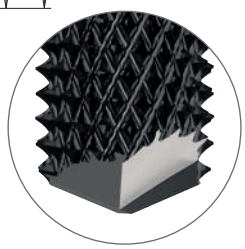
DLCS CHROME COATING:
- Superb wear resistance
- Better chip clearance
- Superior cutting quality
- Less overheating
- More productivity



3X LONGER LIFE THAN UNCOATED **DLCS CHROME COATING** provides 3 times longer life than uncoated tools!

Solid Surface and Fiberglass Bit with **DLCS Chrome Coating**





Sharpening 135°

151 XTREME PERFORMANCE

SOLID CARBIDE | RH | LONG LIFE

ORDER NO. Right-hand rotation		D inches	D mm	I inches	L inches	S inches
151.064.25D	10	1/4	6.35	1	2-1/2	**1/4**
151.127.38D	10	1/2	12.7	1-1/2	3-1/2	**1/2**

TECHNICAL DETAILS:
- Premium quality S.T.C.
- 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 adapters.

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!

Diamond Compression Bits



140

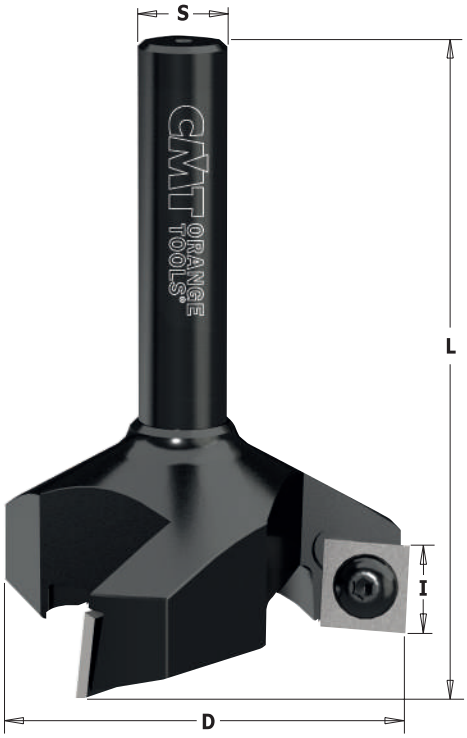
PCD DP | T1+1 | RH | 40X LONGER LIFE THAN CARBIDE

ORDER NO. Right-hand rotation		D inches	D mm	I inches	L inches	S inches	T
140.127.61	1	1/2	12.7	1-1/16	2-61/64	**1/2**	1+1 (3DP+1TCT)
140.128.61	1	1/2	12.7	1-3/8	3-11/32	**1/2**	1+1 (4DP+1TCT)
140.158.61	1	5/8	15.88	1-1/16	3-11/32	**5/8**	1+1 (3DP+1TCT)
140.159.61	1	5/8	15.88	1-49/64	4-1/16	**5/8**	1+1 (5DP+1TCT)
140.190.61	1	3/4	19.05	1-1/16	3-11/32	**3/4**	1+1 (3DP+1TCT)
140.192.61	1	3/4	19.05	1-49/64	4-1/8	**3/4**	1+1 (5DP+1TCT)

TECHNICAL DETAILS:
- Super 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.

Spoilboard Surfacing Router Cutters with Insert Knives



663

INSERT CARBIDE | MEC | T3 | T4 | RH | 4X CUTTING

ORDER NO. Right-hand rotation		D inches	D mm	I mm	L mm	T	S mm	Spare parts	
663.005.11	10	1-1/2	38	12	60	3	12x35	790.120.03*	990.075.00
663.015.11	10	1-1/2	38	12	60	3	12.7x35	790.120.03*	990.075.00
663.004.11	10	2-3/8	60	12	80	3	12x50	790.120.03*	990.075.00
663.014.11	10	2-3/8	60	12	80	3	12.7x50	790.120.03*	990.075.00
663.003.11	10	3-5/32	80	12	90	3	20x50	790.120.03*	990.075.00
663.006.11	1	3-15/16	100	12	90	4	20x50	790.120.03*	990.075.00

*Minimum 10 pieces or multiple

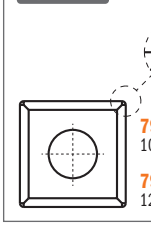
Spare parts: **991.061.00** T15 TORX® key
990.036.00 M8x25mm TE screw (for 663.003.11 and 663.006.11)
990.020.00 Hex nut for threaded arbors M8 (for 663.003.11 and 663.006.11)

TECHNICAL DETAILS:
- Super strength steel.
- 3 cutting edges [T3].
- 4 cutting edges [T4].

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

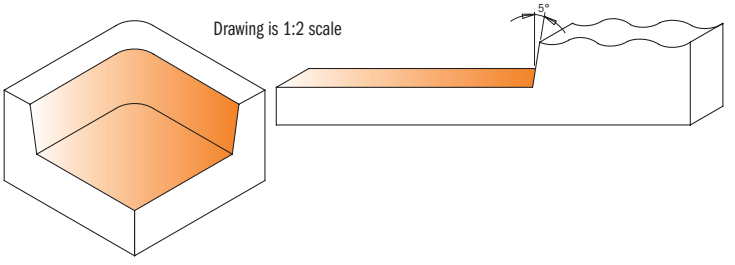
790.120.20 12x12x1.5mm

SAFETY TIPS:



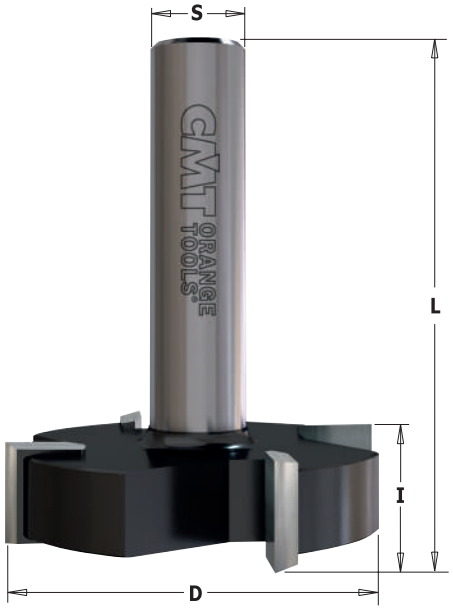
The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 323).

Drawing is 1:2 scale



® Brand names mentioned in CMT products are the property of their respective owners (see page 376)

Spoilboard Surfacing Router Cutters



178

CARBIDE TIPPED | T3 | T4 | RH

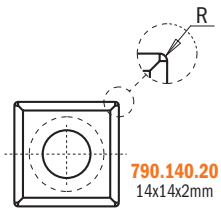
ORDER NO. Right-hand rotation		D inches	D mm	I inches	L inches	T	S inches
178.701.11	1	1	25.4	1/4	1-5/8	3	**1/4**
178.704.11	1	2	50.8	1/2	2-1/2	4	**1/2**

TECHNICAL DETAILS:
- Super-strength steel.
- 3 cutting edge [T3]
- 4 cutting edge [T4]

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.

XTreme Spoilboard Surfacing Router Cutter with Insert Knives





NOTE: for optimum finish, radius inserts **790.140.20** are recommended.

790.140.20
14x14x2mm

663.5 XTREME

INSERT CARBIDE | MEC | T6+3 | RH | 4X CUTTING

ORDER NO. Right-hand rotation		D inches	D mm	I inches	L inches	S inches	Spare parts	
663.501.11	10	2	50.8	1	2-1/2	**1/2**	790.140.20*	990.080.00

*Minimum 10 pieces or multiple

TECHNICAL DETAILS:
- Super strength steel
- 6 + 3 cutting edges [T6+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.





SAFETY TIPS:



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 323).

® Brand names mentioned in CMT products are the property of their respective owners (see page 376)

V-Groove - Folding - Signmaking CNC Router Cutters with Insert Knives



663.1

INSERT CARBIDE · MEC · T1 · T2 · RH

ORDER NO. Right-hand rotation		D inches	D mm	A	I mm	L mm	S mm	T
663.103.11	10	1-3/8	35	45°	42	125	20x50	1
663.102.11	5	1-21/32	42	60°	35	115	20x50	1
663.101.11	1	2-3/64	52	91°	25	102	20x50	1
663.110.11	1	2-3/8	60	110°	21	95	20x60	1
663.120.11	1	3-27/64	87	120°	24	95	20x50	2
663.130.11	1	3-37/64	91	130°	20.2	95	20x50	2
663.150.11	1	3-51/64	96.5	150°	12.4	95	20x50	2

Spare parts

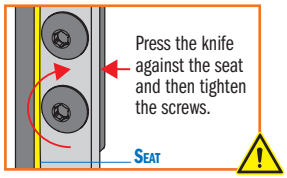
790.580.01*	
790.580.01*	
790.360.01*	
790.360.01*	
2X CUTTING	790.496.01*
	790.496.01*
	790.496.01*

*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°)

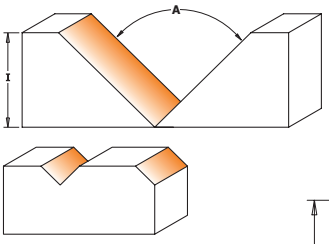
CORRECT KNIFE POSITIONING

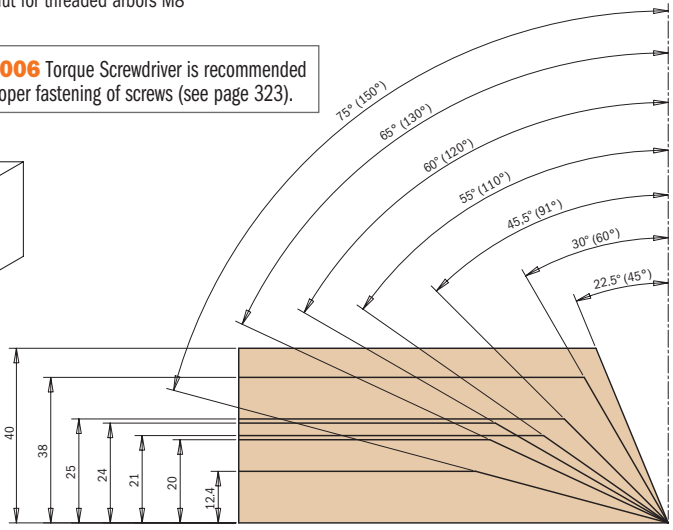


SAFETY TIPS:



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 323).





TECHNICAL DETAILS:
- Super strength steel.
- 1 cutting edge [T1]
- 2 cutting edges [T2]

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.

Universal Profile Cutter for CNC Machines



663.301

SP · MEC · T2 · RH

ORDER NO. Right-hand rotation		D inches	D mm	I mm	L mm	S mm
663.301.11	1	2-9/16	65	40-50	93	20

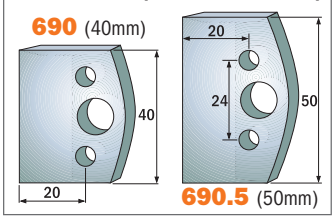
Spare parts: **692.999.01** 38x15x16mm wedge for cutter
990.064.00 M8x16mm STEI screw
991.064.00 Hex key 4mm

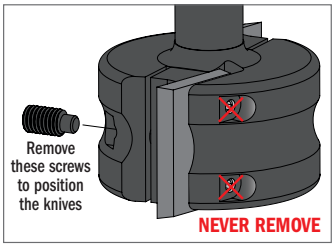
TECHNICAL DETAILS:
- Super Strength steel.
- 2 cutting edges [T2] for knives 40x4mm and 50x4mm.

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.

TO BE USED WITH SP KNIVES SERIES 690 (SEE PAGE 345~357)





SAFETY TIPS:



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 323).

® Brand names mentioned in CMT products are the property of their respective owners (see page 376)

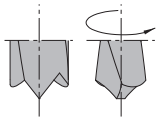
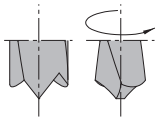
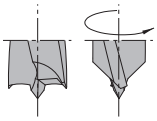


DOWEL DRILLS & BORING BITS

PRODUCTS	PAGE
Adapters	276-277
Solid Carbide Dowel Drills for Through Holes	278
Dowel Drills for Through Holes	278
Solid Carbide Dowel Drills	279
Dowel Drills	280
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Dowel Drills with Countersinks	282
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Solid Carbide Twist Drills	286
Adapters & Bushings for Twist Drills	286
2 Flute Dowel Drills for Through Holes	287
Hinge Boring Bits	288

CMT XTREME BALANCING®

Maximizing Boring Performance

LINE	XTREME	XTREME	INDUSTRIAL
PERFORMANCE	SUPERIOR ★★★★★	EXCELLENT ★★★★	VERY GOOD ★★★
BIT			
DESCRIPTION	Designed for heavy duty drilling in Large-Scale Industrial Manufacturing ensuring high impact resistance and greater 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 rigorous 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/REMODELER	REMODELER
MATERIALS	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.
SHARPENING & MAINTENANCE	Specially designed reinforced spurs allow for impeccable finishing during operations involving high-speed cutting feed.  XTREME SHARPENING	Specially designed reinforced spurs allow for impeccable finishing during operations involving high-speed cutting feed.  XTREME SHARPENING	Standard design with negatively ground spurs providing good quality finishing without chipping.  NEGATIVELY GROUND SPURS
CARBIDE	INDUSTRIAL CHROMIUM MICROGRAIN CARBIDE The special chromium enhanced carbide produces clean bores with no rough edges and maintains a balanced center point. In addition to its safety features, Chromium Micrograin Carbide guarantees exceptional resistance to fatigue and abrasion and allows for an infinite number of resharpenings.	INDUSTRIAL SINTERHIP HI-DENSITY CARBIDE The unique tip is made of high quality carbide enhanced via Sinterhip (hot isostatic pressing). This process guarantees long lasting performance and exceptionally clean bores.	INDUSTRIAL GRADE CARBIDE Fine and medium grain carbide grade guarantee reliable prolonged use.
COATING	✕ SOLID TUNGSTEN CARBIDE	CMT P.T.F.E. COATING provides a non-stick surface preventing resin, glue or sludge residue accumulation on the bit body. Baked at 420°, this unique industrial material is specifically designed to fit woodworking tool requirements.	CMT P.T.F.E. COATING provides a non-stick surface preventing resin, glue or sludge residue accumulation on the bit body. Baked at 420°, this unique industrial material is specifically designed to fit woodworking tool requirements.
PRICE RANGE	HIGH	MEDIUM/HIGH	MEDIUM

Adapters



360.001

RH LH

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		B mm	d mm	D mm
360.001.01	360.001.02	10	10	20	15

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 page 376)



360.101

LH RH

ORDER NO. Right-hand & Left-hand rotation		B mm	d mm	D mm
360.101.00	10	10	17.5	18

FOR USE ON THE FOLLOWING MACHINES:
VITAP®.

Spare parts

990.015.00	991.062.00



360.201

LH RH

ORDER NO. Right-hand & Left-hand rotation		B mm	d mm	D mm
360.201.00	10	10	19.5	20

FOR USE ON THE FOLLOWING MACHINES:
MORBIDELLI®.

Spare parts

990.015.00	991.062.00



360.301

LH RH

ORDER NO. Right-hand & Left-hand rotation		B mm	d mm	D mm
360.301.00	10	10	19.5	20

FOR USE ON THE FOLLOWING MACHINES:
MASTERWOOD®, MAGGI®, FELDER®, GRIGGIO®.

Spare parts

990.015.00	991.062.00



360.401

LH RH

ORDER NO. Right-hand & Left-hand rotation		B mm	d mm	D mm
360.401.00	10	10	20	17

FOR USE ON THE FOLLOWING MACHINES:
WEEKE®.

Spare parts

990.009.00	991.067.00



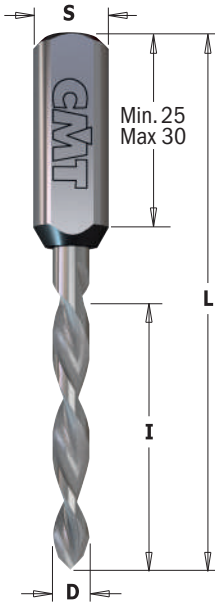
990.088

LH RH

ORDER NO. Right-hand & Left-hand rotation		DESCRIPTION
990.088.00	10	Retaining screw for WEEKE® machines

® Brand names mentioned in CMT products are the property of their respective owners (see page 376)

Solid Carbide Dowel Drills for Through Holes



314.21/22 XTREME

SOLID CARBIDE | LONG LIFE | T2 | RH | LH

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		D inches	D mm	I mm	L mm	S mm
314.030.21	314.030.22	50		3*	27	70	10x30
314.040.21	314.040.22	50	5/32	4	35	70	10x25
314.050.21	314.050.22	50		5	35	70	10x25
314.060.21	314.060.22	50		6	35	70	10x25
314.070.21	314.070.22	50		7	35	70	10x25
314.080.21	314.080.22	50	5/16	7.94	35	70	10x26

* "V" point 60° sharpening

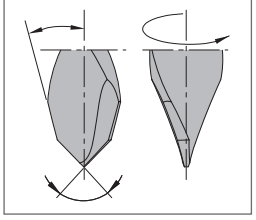
Spare parts: 990.008.00 — Optional: 990.088.00

For panels with maximum 20-30mm in thickness

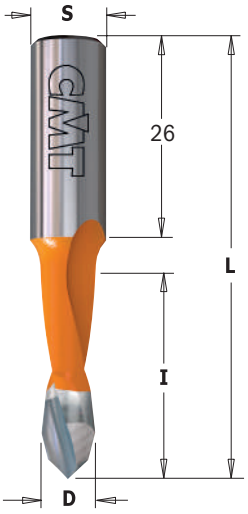
TECHNICAL DETAILS:
- Premium quality super-strength steel shank.
- High quality S.T.C. body.
- 2 precision ground cutting edges [T2].
- double angle.
- 2 spiral flutes.
- Parallel shank with driving flat and adjustable screw length.

APPLICATION: for drilling through holes in solid wood, wood derivatives and laminates.
For use on boring machine centres equipped with adaptors and/or chucks.

XTREME SHARPENING



Dowel Drills for Through Holes



313.41/42 XTREME

CARBIDE TIPPED | LONG LIFE | T2 | RH | LH

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		D inches	D mm	I mm	L mm	S mm
313.050.41	313.050.42	50		5	27	57.5	10x26
313.080.41	313.080.42	50	5/16	7.94	27	57.5	10x26

For panels 20mm maximum in thickness

314.41/42 XTREME

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		D inches	D mm	I mm	L mm	S mm
314.050.41	314.050.42	50		5	35	70	10x26
314.080.41	314.080.42	50	5/16	7.94	35	70	10x26

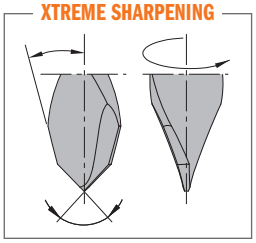
For panels 30mm maximum in thickness

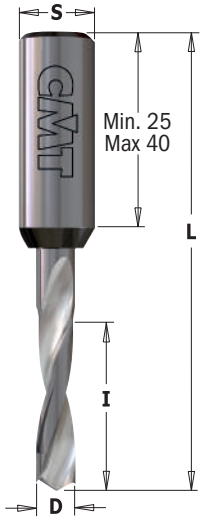
Spare parts: 990.003.00 — Optional: 990.088.00

TECHNICAL DETAILS:
- Super-strength steel.
- Spiral portion coated with orange or black P.T.F.E.
- Extra-fine micrograin carbide spiral portion with centre point.
- T.C.T. head with precision balanced centre point.
- 2 precision ground cutting edges [T2].
- Double angle.
- 2 spiral flutes.
- Parallel shank with driving flat and length adjusting screw.

APPLICATION: for drilling through holes in solid wood, wood derivates and laminates.
For use on boring machines equipped with adaptors and/or chucks.

XTREME SHARPENING



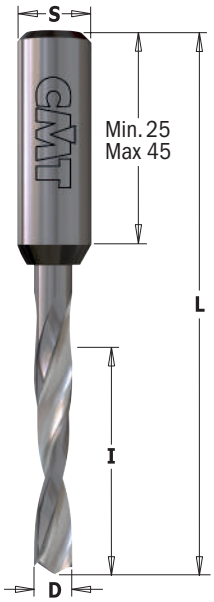


310.21/22 XTREME

SOLID CARBIDE | LONG LIFE | T2 | V2 | RH | LH

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		D inches	D mm	I mm	L mm	S mm
310.020.21	310.020.22	50		2	12	57.5	10x27
310.030.21	310.030.22	50		3	18	57.5	10x25
310.040.21	310.040.22	50		4	20	57.5	10x27
310.050.21	310.050.22	50		5	22	57.5	10x27
310.060.21	310.060.22	50		6	22	57.5	10x27
310.064.21	310.064.22	50	1/4	6.35	22	57.5	10x27
310.080.21	310.080.22	50	5/16	7.94	22	57.5	10x27

Spare parts: 990.003.00 — Optional: 990.088.00



311.21/22 XTREME

SOLID CARBIDE | LONG LIFE | T2 | V2 | RH | LH

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		D inches	D mm	I mm	L mm	S mm
311.013.20*		50		1.3	5	70	10x45
311.020.21	311.020.22	50		2	12	70	10x40
311.030.21	311.030.22	50		3	18	70	10x42
311.040.21	311.040.22	50		4	30	70	10x28
311.050.21	311.050.22	50		5	30	70	10x30
311.060.21	311.060.22	50		6	30	70	10x27
311.064.21	311.064.22	50	1/4	6.35	30	70	10x30
311.080.21	311.080.22	50	5/16	7.94	35	70	10x25

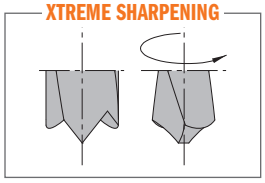
* Boring bit for panel preboring.
Suitable for both right-hand and left-hand rotation.

Spare parts: 990.003.00 — Optional: 990.088.00

TECHNICAL DETAILS:
- Premium quality super-strength steel shank.
- High quality S.T.C. body.
- Centre point.
- 2 cutting edges [T2].
- 2 spiral flutes.
- 2 curved, negatively ground spurs [V2].
- 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

XTREME SHARPENING



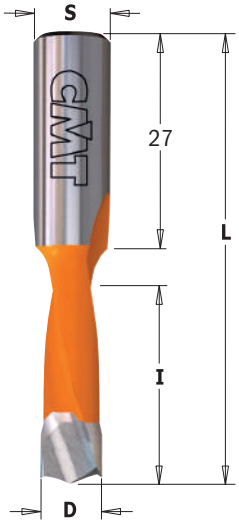
Perfect for all materials and long-lasting performance!

CMT announces the new series of solid carbide boring bits, now available from their extensive industrial line.
These bits are entirely made of premium quality super micrograin carbide from CERATIZIT® in Luxemburg.

The entire series offers several design features:
- the unique tip has curved, negatively ground spurs to produce exceptionally clear bores with no rough-edges.
- Centre point balanced;
- the cylindrical head is bigger than traditional tips and is extremely resistant to prolonged use.

It lasts longer between sharpenings;
- the plunge edge runs all the way to the centre of the bit to reduce drilling resistance and increase production speed;
- the solid carbide construction guarantees an almost infinite number of resharpenings, and since it is a solid unit of carbide, it offers extra safety features;
- ideal for hardwood and difficult composites such as particle boards, MDF and veneered wood.
- excellent performance on high-speed boring units and CNC routers.

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310.41/42 XTREME

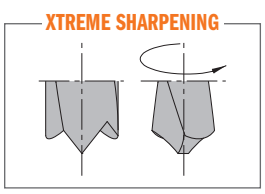
CARBIDE TIPPED | LONG LIFE | T2 | V2 | RH | LH

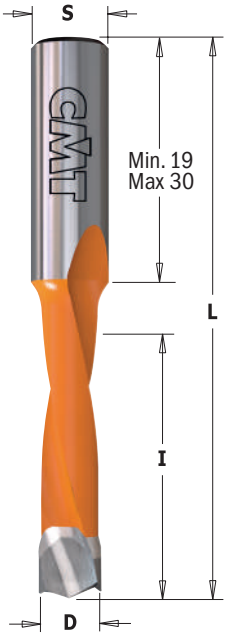
ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		D inches	D mm	I mm	L mm	S mm
310.050.41	310.050.42	50		5	27	57.5	10x27
310.060.41	310.060.42	50		6	27	57.5	10x27
310.070.41	310.070.42	50		7	27	57.5	10x27
310.080.41	310.080.42	50	5/16	7.94	27	57.5	10x27
310.090.41	310.090.42	50		9	27	57.5	10x27
310.100.41	310.100.42	50		10	27	57.5	10x27

TECHNICAL DETAILS:
- Premium quality super-strength steel.
- Orange or black P.T.F.E. coating.
- High quality extra-fine micrograin carbide body.
- 2 cutting edges [T2].
- Double angle.
- 2 spiral flutes.
- 2 curved, negatively ground spurs [V2]
- Parallel shank with driving flat and adjustable screw length.

Spare parts: 990.003.00 | Optional: 990.088.00

APPLICATION: for drilling blind holes in solid wood, wood derivates and laminates.
For use on boring machines equipped with adaptors and/or chucks.





311.41/42 XTREME

CARBIDE TIPPED | LONG LIFE | T2 | V2 | RH | LH

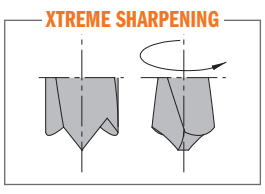
ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		D inches	D mm	I mm	L mm	S mm
311.050.41	311.050.42	50		5	35	70	10x30
311.060.41	311.060.42	50		6	35	70	10x30
311.070.41	311.070.42	50		7	35	70	10x30
311.080.41	311.080.42	50	5/16	7.94	35	70	10x30
311.580.41	311.580.42	50	5/16	7.94	45	70	10x19
311.090.41	311.090.42	50		9	35	70	10x30
311.100.41	311.100.42	50		10	35	70	10x30
311.120.41	311.120.42	50		12	35	70	10x30

TECHNICAL DETAILS:
- Premium quality super-strength steel.
- High quality extra-fine micrograin carbide body.
- Orange or black P.T.F.E. coating.
- 2 cutting edges [T2].
- 2 curved, negatively ground spurs [V2].
- 2 spiral flutes.
- Parallel shank with driving flat and adjustable screw length.

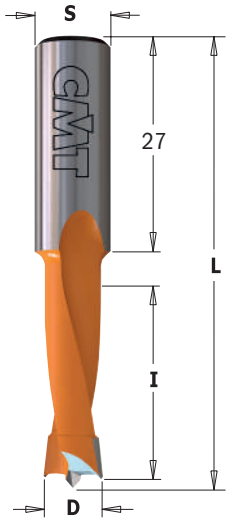
Spare parts: 990.003.00 | Optional: 990.088.00

APPLICATION: for drilling blind holes in solid wood, wood derivatives, plastics and laminates.
For use on boring machines equipped with adaptors and/or chucks.

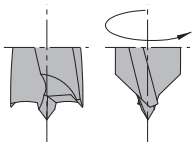
* Drill bits designed to fit HÄFELE® one-piece Ixconnect SC 8/60 spreading connector.



® Brand names mentioned in CMT products are the property of their respective owners (see page 376)



NEGATIVELY GROUND SPURS

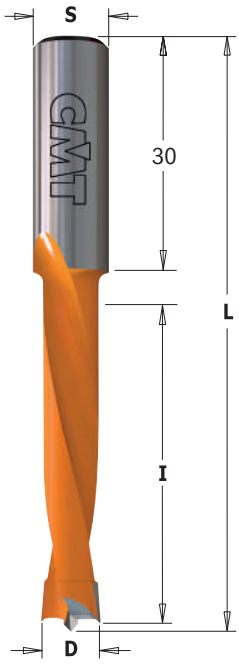


310

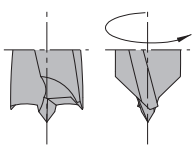
CARBIDE TIPPED T2 V2 RH LH

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		D inches	D mm	I mm	L mm	S mm
310.040.11	310.040.12	50	5/32	4	27	57.5	10x27
310.045.11	310.045.12	50		4.5	27	57.5	10x27
310.047.11	310.047.12	50	3/16	4.76	27	57.5	10x27
310.050.11	310.050.12	50		5	27	57.5	10x27
310.060.11	310.060.12	50		6	27	57.5	10x27
310.064.11	310.064.12	50	1/4	6.35	27	57.5	10x27
310.065.11	310.065.12	50		6.5	27	57.5	10x27
310.070.11	310.070.12	50		7	27	57.5	10x27
310.080.11	310.080.12	50	5/16	7.94	27	57.5	10x27
310.082.11	310.082.12	50		8.2	27	57.5	10x27
310.090.11	310.090.12	50		9	27	57.5	10x27
310.095.11	310.095.12	50	3/8	9.52	27	57.5	10x27
310.100.11	310.100.12	50		10	27	57.5	10x27
310.110.11	310.110.12	10		11	27	57.5	10x27
310.120.11	310.120.12	10		12	27	57.5	10x27
310.127.11	310.127.12	10	1/2	12.7	27	57.5	10x27
310.130.11	310.130.12	10		13	27	57.5	10x27
310.140.11	310.140.12	10		14	27	57.5	10x27
310.150.11	310.150.12	10		15	27	57.5	10x27
310.160.11	310.160.12	10		16	27	57.5	10x27

Spare parts 990.003.00 Optional 990.088.00



NEGATIVELY GROUND SPURS



362

CARBIDE TIPPED T2 V2 RH LH

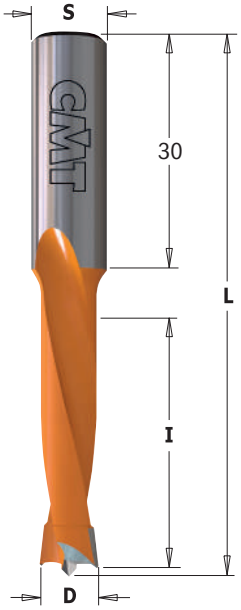
ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		D inches	D mm	I mm	L mm	S mm
362.050.11	362.050.12	50		5	44	77	10x30
362.060.11	362.060.12	50		6	44	77	10x30
362.070.11	362.070.12	50		7	44	77	10x30
362.080.11	362.080.12	50	5/16	7.94	44	77	10x30
362.100.11	362.100.12	50		10	44	77	10x30
362.120.11	362.120.12	10		12	44	77	10x30

Spare parts 990.003.00 Optional 990.088.00

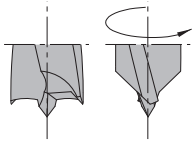
TECHNICAL DETAILS:
- Super-strength steel.
- Spiral portion coated with orange or black P.T.F.E.
- T.C.T. head with precision balanced centre point.
- 2 T.C.T. precision ground cutting edges [T2].
- 2 negatively ground spurs [V2].
- 2 spiral flutes.
- Parallel shank with driving flat and length adjusting screw.

APPLICATION: used on boring machines equipped with adapters or chucks.
Used to drill blind holes in solid wood, wood composites, plastic and laminated materials.

2 Flute Dowel Drills



NEGATIVELY GROUND SPURS



311

CARBIDE TIPPED T2 V2 RH LH

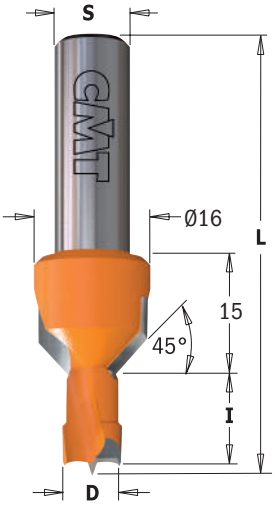
ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		D inches	D mm	I mm	L mm	S mm
311.040.11	311.040.12	50	5/32	4	35	70	10x30
311.045.11	311.045.12	50		4.5	35	70	10x30
311.047.11	311.047.12	50	3/16	4.76	35	70	10x30
311.050.11	311.050.12	50		5	35	70	10x30
311.051.11	311.051.12	50		5.1	35	70	10x30
311.052.11	311.052.12	50		5.2	35	70	10x30
311.055.11	311.055.12	50	7/32	5.55	35	70	10x30
311.060.11	311.060.12	50		6	35	70	10x30
311.064.11	311.064.12	50	1/4	6.35	35	70	10x30
311.065.11	311.065.12	50		6.5	35	70	10x30
311.070.11	311.070.12	50		7	35	70	10x30
311.080.11	311.080.12	50	5/16	7.94	35	70	10x30
311.082.11	311.082.12	50		8.2	35	70	10x30
311.090.11	311.090.12	50		9	35	70	10x30
311.095.11	311.095.12	50	3/8	9.52	35	70	10x30
311.100.11	311.100.12	50		10	35	70	10x30
311.110.11	311.110.12	10		11	35	70	10x30
311.111.11	311.111.12	10	7/16	11.1	35	70	10x30
311.120.11	311.120.12	10		12	35	70	10x30
311.127.11	311.127.12	10	1/2	12.7	35	70	10x30
311.130.11	311.130.12	10		13	35	70	10x30
311.140.11	311.140.12	10		14	35	70	10x30
311.150.11	311.150.12	10		15	35	70	10x30
311.160.11	311.160.12	10		16	35	70	10x30

TECHNICAL DETAILS:
- Super-strength steel.
- Spiral portion coated with orange or black P.T.F.E.
- T.C.T. head with precision balanced centre point.
- 2 T.C.T. precision ground cutting edges [T2].
- 2 negatively ground spurs [V2]. - 2 spiral flutes.
- Parallel shank with driving flat and length adjusting screw.

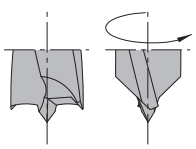
APPLICATION: used on boring machines equipped with adapters or chucks. Used to drill blind holes in solid wood, wood composites, plastic and laminated materials.

Spare parts: 990.003.00 — Optional: 990.088.00

Dowel Drills with Countersink



NEGATIVELY GROUND SPURS



376-377

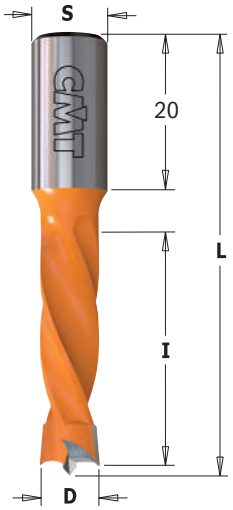
CARBIDE TIPPED T2 V2 RH LH

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		D inches	D mm	I mm	L mm	S mm
376.080.11	376.080.12	10	5/16	7.94	12	57.5	10
376.081.11	376.081.12	10	5/16	7.94	15	57.5	10
376.082.11	376.082.12	10	5/16	7.94	20	57.5	10
376.100.11	376.100.12	10		10	12	57.5	10
376.101.11	376.101.12	10		10	15	57.5	10
376.102.11	376.102.12	10		10	20	57.5	10
377.080.11	377.080.12	10	5/16	7.94	12	70	10
377.081.11	377.081.12	10	5/16	7.94	15	70	10
377.082.11	377.082.12	10	5/16	7.94	20	70	10
377.100.11	377.100.12	10		10	12	70	10
377.101.11	377.101.12	10		10	15	70	10
377.102.11	377.102.12	10		10	20	70	10

TECHNICAL DETAILS:
- Super-strength steel. - Spiral portion coated with orange or black P.T.F.E.
- T.C.T. head with precision balanced centre point.
- 2 precision ground cutting edges [T2]. - 2 ground spurs [V2]. - 2 spiral flutes.
- Parallel shank with driving flat and length adjusting screw.

Spare parts: 990.003.00 — Optional: 990.088.00

APPLICATION: used for drilling and countersinking in solid wood, wood composites, plastic and laminated materials. Suitable for high performance speed on boring machines equipped with adapters or chucks.

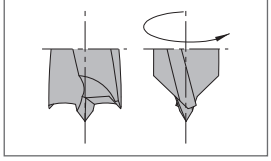


308

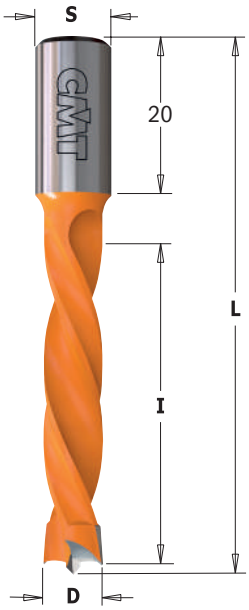
CARBIDE TIPPED | T2 | V2 | RH | LH

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		D inches	D mm	I mm	L mm	S mm
308.050.11	308.050.12	50		5	30	57.5	10x20
308.060.11	308.060.12	50		6	30	57.5	10x20
308.080.11	308.080.12	50	5/16	7.94	30	57.5	10x20
308.100.11	308.100.12	50		10	30	57.5	10x20

NEGATIVELY GROUND SPURS



Spare parts: 990.003.00 | Optional: 990.088.00

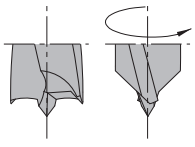


309

CARBIDE TIPPED | T2 | V2 | RH | LH

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		D inches	D mm	I mm	L mm	S mm
309.040.11	309.040.12	50	5/32	4	43	70	10x20
309.050.11	309.050.12	50		5	43	70	10x20
309.060.11	309.060.12	50		6	43	70	10x20
309.064.11	309.064.12	50	1/4	6.35	43	70	10x20
309.070.11	309.070.12	50		7	43	70	10x20
309.075.11	309.075.12	50		7.5	43	70	10x20
309.080.11	309.080.12	50	5/16	7.94	43	70	10x20
309.090.11	309.090.12	50		9	43	70	10x20
309.095.11	309.095.12	50	3/8	9.52	43	70	10x20
309.100.11	309.100.12	50		10	43	70	10x20
309.110.11	309.110.12	10		11	43	70	10x20
309.120.11	309.120.12	10		12	43	70	10x20
309.127.11	309.127.12	10	1/2	12.7	43	70	10x20
309.130.11	309.130.12	10		13	43	70	10x20
309.140.11	309.140.12	10		14	43	70	10x20
309.150.11	309.150.12	10		15	43	70	10x20
309.160.11	309.160.12	10		16	43	70	10x20

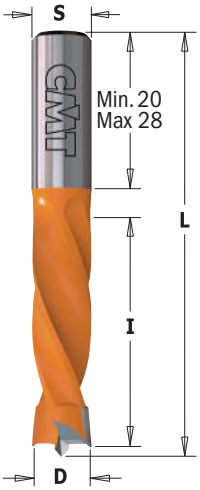
NEGATIVELY GROUND SPURS



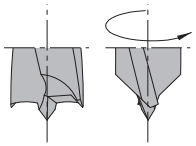
TECHNICAL DETAILS:
- Super-strength steel.
- Cutter portion coated with black or orange P.T.F.E.
- T.C.T. head with precision balanced centre point.
- 2 T.C.T. precision ground cutting edges [T2].
- Negatively ground spurs [V2].
- 4 spiral flutes.
- Parallel shank with driving flat and length adjusting screw.

Spare parts: 990.003.00 | Optional: 990.088.00

APPLICATION: used on boring machines equipped with adapters or chucks.
Used to drill blind holes in solid wood, wood composites, plastic and laminated materials.



NEGATIVELY GROUND SPURS



306

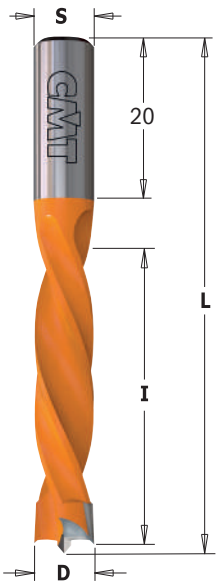
CARBIDE TIPPED | SOLID CARBIDE | T2 | V2 | RH | LH

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		D inches	D mm	I mm	L mm	S mm
306.030.21 •		50		3	18	55.5	8x28
306.050.11	306.050.12	50		5	30	55.5	8x20
306.055.11	306.055.12	50	7/32	5.55	30	55.5	8x20
306.060.11	306.060.12	50		6	30	55.5	8x20
306.064.11	306.064.12	50	1/4	6.35	30	55.5	8x20
306.070.11	306.070.12	50		7	30	55.5	8x20
306.080.11	306.080.12	50	5/16	7.94	30	55.5	8x20
306.090.11	306.090.12	50		9	30	55.5	8x20
306.100.11	306.100.12	50		10	30	55.5	8x20
306.120.11	306.120.12	50		12	30	55.5	8x20

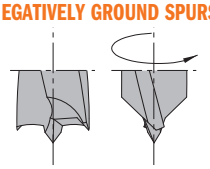
• Solid Carbide

AVAILABLE ON REQUEST

Spare parts: 990.003.00 | Optional: 990.088.00



NEGATIVELY GROUND SPURS



307

CARBIDE TIPPED | T2 | V2 | RH | LH

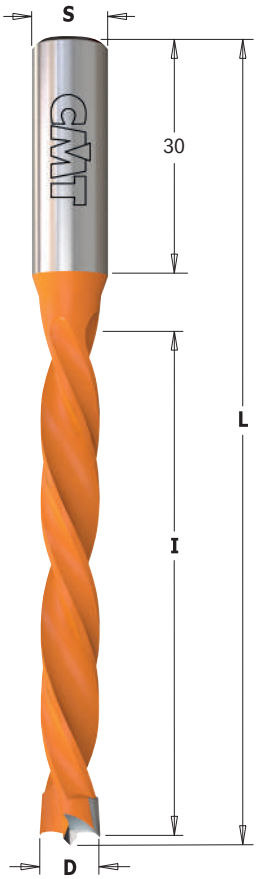
ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		D inches	D mm	I mm	L mm	S mm
307.050.11	307.050.12	50		5	40	67	8x20
307.055.11	307.055.12	50	7/32	5.55	40	67	8x20
307.060.11	307.060.12	50		6	40	67	8x20
307.064.11	307.064.12	50	1/4	6.35	40	67	8x20
307.070.11	307.070.12	50		7	40	67	8x20
307.080.11	307.080.12	50	5/16	7.94	40	67	8x20
307.090.11	307.090.12	50		9	40	67	8x20
307.095.11	307.095.12	50	3/8	9.52	40	67	8x20
307.100.11	307.100.12	50		10	40	67	8x20
307.120.11	307.120.12	10		12	40	67	8x20

Spare parts: 990.003.00 | Optional: 990.088.00

TECHNICAL DETAILS:
- Super-strength steel.
- Cutter portion coated with black or orange P.T.F.E.
- T.C.T. head with precision balanced centre point.
- 2 T.C.T. precision ground cutting edges [T2].
- Negatively ground spurs [V2].
- 4 spiral flutes.
- Parallel shank with driving flat and length adjusting screw.

APPLICATION: used on boring machines equipped with adapters or chucks.
Used to drill blind holes in solid wood, wood composites, plastic and laminated materials.

AVAILABLE ON REQUEST

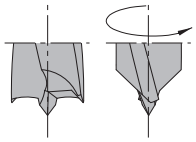


372

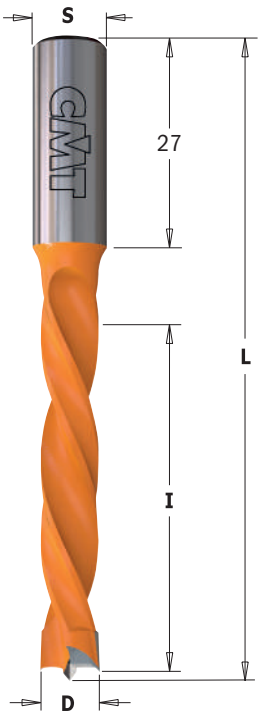
CARBIDE TIPPED T2 V2 RH LH

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		D inches	D mm	I mm	L mm	S mm
372.050.11	372.050.12	10		5	65	105	10x30
372.060.11	372.060.12	10		6	65	105	10x30
372.080.11	372.080.12	10	5/16	7.94	65	105	10x30
372.100.11	372.100.12	10		10	65	105	10x30
372.120.11	372.120.12	10		12	65	105	10x30

NEGATIVELY GROUND SPURS



Spare parts 990.003.00 | Optional 990.088.00



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CARBIDE TIPPED T2 V2 RH LH

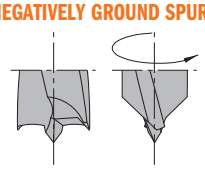
ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		D inches	D mm	I mm	L mm	S mm
373.050.11	373.050.12	50		5	50	85	10x27
373.060.11	373.060.12	50		6	50	85	10x27
373.080.11	373.080.12	50	5/16	7.94	50	85	10x27
373.100.11	373.100.12	50		10	50	85	10x27
373.120.11	373.120.12	10		12	50	85	10x27

Spare parts 990.003.00 | Optional 990.088.00

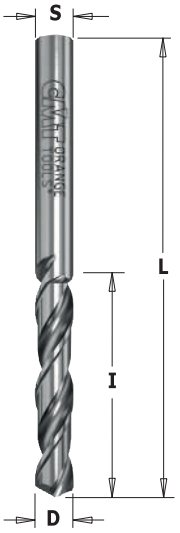
TECHNICAL DETAILS:
- Super-strength steel.
- Cutter portion coated with black or orange P.T.F.E.
- T.C.T. head with precision balanced centre point.
- 2 T.C.T. precision ground cutting edges [T2].
- Negatively ground spurs [V2].
- 4 spiral flutes.
- Parallel shank with driving flat and length adjusting screw.

APPLICATION: used on boring machines equipped with adapters or chucks.
Used to drill blind holes in solid wood, wood composites, plastic and laminated materials.

NEGATIVELY GROUND SPURS



Solid Carbide Twist Drills





"V" Point 120°



XTreme Sharpening

363

SOLID CARBIDE | LONG LIFE | T2 | RH | LH

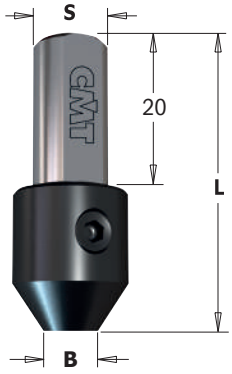
ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		D mm	I mm	L mm	S mm
"V" POINT 120° SHARPENING						
363.020.11	**363.020.12**	50	2	25	50	2
363.025.11	**363.025.12**	50	2.5	27	55	2.5
363.030.11	**363.030.12**	50	3	27	55	3
363.032.11	**363.032.12**	50	3.2	27	55	3.2
363.035.11	**363.035.12**	50	3.5	27	55	3.5
363.040.11	**363.040.12**	50	4	27	55	4
363.045.11	**363.045.12**	50	4.5	28	60	4.5
363.050.11	**363.050.12**	50	5	28	60	5
X-TREME NEW DOWN CUT ROUND SHARPENING						
363.025.21	**363.025.22**	50	2.5	27	55	2.5
363.030.21	**363.030.22**	50	3	27	55	3
363.040.21	**363.040.22**	50	4	27	55	4
363.050.21	**363.050.22**	50	5	28	60	5

For use with the following items: **364-365**

TECHNICAL DETAILS:
- Premium quality S.T.C.
- 2 precision ground cutting edges [T2].
- 2 spiral flutes.
- Common shank and drilling diameter (S=D).

APPLICATION: for drilling through holes in solid wood, wood derivatives and laminates.
For use on boring machines equipped with adapters and/or chucks.

Adapters & Bushings for Twist Drills



364

ORDER NO.		B mm	L mm	S mm
364.020.00	10	2	38	10x20
364.025.00	10	2.5	38	10x20
364.030.00	10	3	38	10x20
364.032.00	10	3.2	38	10x20
364.035.00	10	3.5	38	10x20
364.040.00	10	4	38	10x20
364.045.00	10	4.5	38	10x20
364.050.00	10	5	38	10x20

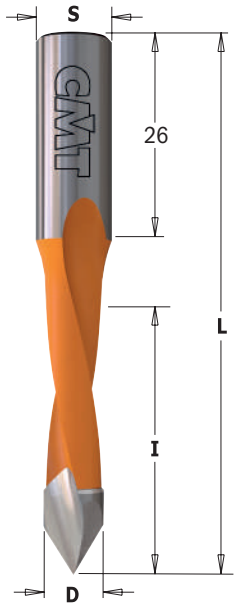
For use with the following items: **363**

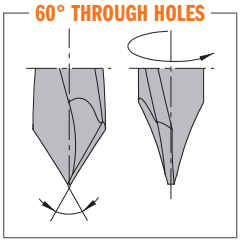
Spare parts

990.001.00	991.062.00

TECHNICAL DETAILS:
- Super-strength steel.
- Quick and secure assembly on twist drills.
- Precision relief.
- Parallel shank with driving flat.

APPLICATION: for use with twist drills with common shank and bushing diameter.
For use on boring machines equipped with adapters and/or chucks.





CARBIDE TIPPED | T2 | RH | LH

313 FOR PANELS WITH MAXIMUM 20MM IN THICKNESS

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		D inches	D mm	I mm	L mm	S mm
313.050.11	313.050.12	50		5	27	57.5	10x26
313.060.11	313.060.12	50		6	27	57.5	10x26
313.080.11	313.080.12	50	5/16	7.94	27	57.5	10x26
313.100.11	313.100.12	50		10	27	57.5	10x26

314 FOR PANELS WITH MAXIMUM 25-30MM IN THICKNESS

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		D inches	D mm	I mm	L mm	S mm
314.040.11	314.040.12	50	5/32	4	30	70	10x26
314.047.11	314.047.12	50	3/16	4.76	35	70	10x26
314.050.11	314.050.12	50		5	35	70	10x26
314.055.11	314.055.12	50	7/32	5.55	35	70	10x26
314.060.11	314.060.12	50		6	35	70	10x26
314.064.11	314.064.12	50	1/4	6.35	35	70	10x26
314.070.11	314.070.12	50		7	35	70	10x26
314.080.11	314.080.12	50	5/16	7.94	35	70	10x26
314.090.11	314.090.12	50		9	35	70	10x26
314.095.11	314.095.12	50	3/8	9.52	35	70	10x26
314.100.11	314.100.12	50		10	35	70	10x26
314.120.11	314.120.12	10		12	35	70	10x26
314.127.11	314.127.12	10	1/2	12.7	35	70	10x26

366 FOR PANELS WITH MAXIMUM 30-40MM IN THICKNESS

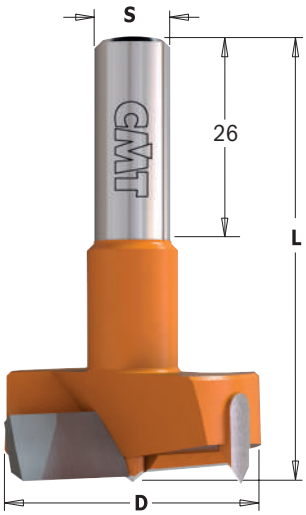
ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		D inches	D mm	I mm	L mm	S mm
366.050.11	366.050.12	50		5	44	77	10x26
366.060.11	366.060.12	50		6	44	77	10x26
366.080.11	366.080.12	50	5/16	7.94	44	77	10x26
366.100.11	366.100.12	50		10	44	77	10x26
366.120.11	366.120.12	10		12	44	77	10x26

TECHNICAL DETAILS:
- Super-strength steel.
- Spiral portion coated with orange or black P.T.F.E.
- T.C.T. head with precision balanced centre point.
- 2 precision ground cutting edges [T2].
- 2 spiral flutes.
- Parallel shank with driving flat and length adjusting screw.

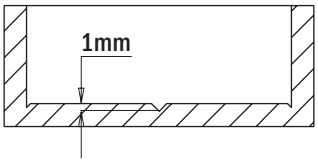
Spare parts 990.003.00

Optional 990.088.00

APPLICATION: used on boring machines and dowel drilling devices.
Use for drilling through holes in solid wood, wood composites, plastic and laminated materials.



New construction with
1mm centre point



317

CARBIDE TIPPED | T2 | V2 | RH | LH

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		D mm	L mm	S mm
317.140.11	317.140.12	10	14	57.5	10x26
317.150.11	317.150.12	10	15	57.5	10x26
317.160.11	317.160.12	10	16	57.5	10x26
317.170.11	317.170.12	10	17	57.5	10x26
317.180.11	317.180.12	10	18	57.5	10x26
317.190.11	317.190.12	10	19	57.5	10x26
317.200.11	317.200.12	10	20	57.5	10x26
317.220.11	317.220.12	10	22	57.5	10x26
317.240.11	317.240.12	10	24	57.5	10x26
317.250.11	317.250.12	10	25	57.5	10x26
317.260.11	317.260.12	10	26	57.5	10x26
317.280.11	317.280.12	10	28	57.5	10x26
317.300.11	317.300.12	10	30	57.5	10x26
317.320.11	317.320.12	10	32	57.5	10x26
317.350.11	317.350.12	10	35	57.5	10x26
317.380.11	317.380.12	10	38	57.5	10x26
317.400.11	317.400.12	10	40	57.5	10x26
317.450.11	317.450.12	10	45	57.5	10x26
317.500.11	317.500.12	10	50	57.5	10x26
317.550.11	317.550.12	10	55	57.5	10x26
317.600.11	317.600.12	10	60	57.5	10x26

369

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		D mm	L mm	S mm
369.140.11	369.140.12	10	14	70	10x26
369.150.11	369.150.12	10	15	70	10x26
369.160.11	369.160.12	10	16	70	10x26
369.180.11	369.180.12	10	18	70	10x26
369.200.11	369.200.12	10	20	70	10x26
369.220.11	369.220.12	10	22	70	10x26
369.250.11	369.250.12	10	25	70	10x26
369.260.11	369.260.12	10	26	70	10x26
369.300.11	369.300.12	10	30	70	10x26
369.350.11	369.350.12	10	35	70	10x26
369.400.11	369.400.12	10	40	70	10x26
369.450.11	369.450.12	10	45	70	10x26
369.500.11	369.500.12	10	50	70	10x26
369.550.11	369.550.12	10	55	70	10x26
369.600.11	369.600.12	10	60	70	10x26

TECHNICAL DETAILS:
- Super-strength steel.
- Cutter portion coated with orange or black P.T.F.E.
- T.C.T. head with precision balanced centre point.
- 2 T.C.T. precision ground cutting edges [T2].
- 2 negatively ground spurs [V2].
- Parallel shank with driving flat and length adjusting screw.

Spare parts 990.003.00

Optional 990.088.00

APPLICATION: ideal for hinges. Use on boring machines equipped with adapters or chucks. Use for drilling accurate and clean-cut blind holes in solid wood, wood composites, plastic and laminated materials.

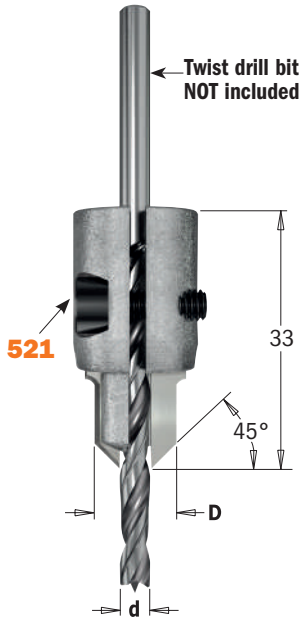


BITS FOR HAND POWER TOOLS

PRODUCTS	PAGE
Adjustable Countersink	290
Boring Bits with Parallel Shank	290
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Mortise Chisel Sets and Plug Cutters	291
Forstner Bits and Sets	292
Router Bits for DOMINO®	293
Rosette Cutters	293



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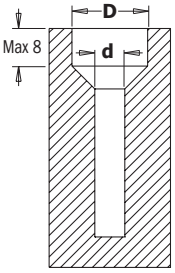
521.001

CARBIDE TIPPED T2 RH

ORDER NO. Right-hand rotation		d mm	D mm
521.001.11	10	3 ~ 7	11 ~ 15

Spare parts

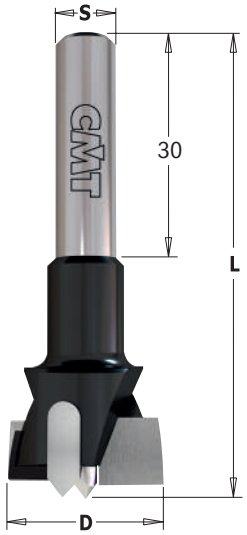
990.061.00	991.067.00



TWIST DRILLS	OVERALL DIAMETER
Ø3	Ø11
Ø4	Ø12
Ø5	Ø13
Ø6	Ø14
Ø7	Ø15

TECHNICAL DETAILS:
- Super strength steel.
- 2 T.C.T. precision ground cutting edges [T2].
- 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. **Twist drill bit NOT included**



Boring Bits with Parallel Shank

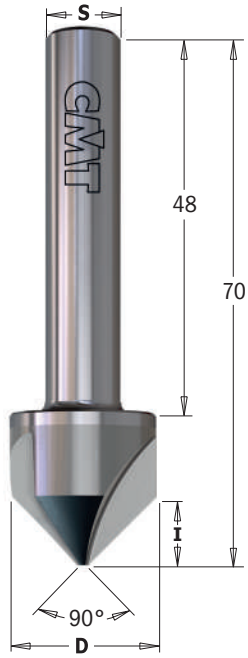
392

CARBIDE TIPPED T2 V2 RH

ORDER NO. Right-hand rotation		D mm	L inches	S inches
392.150.11	10	15	2-23/64	5/16
392.200.11	10	20	2-23/64	5/16
392.250.11	10	25	2-23/64	5/16
392.260.11	10	26	2-23/64	5/16
392.300.11	10	30	2-23/64	5/16
392.350.11	10	35	2-23/64	5/16
392.351.11	10	35	2-23/64	1/2
392.400.11	10	40	2-23/64	5/16

TECHNICAL DETAILS:
- Super strength steel.
- T.C.T. precision balanced centre point.
- 2 T.C.T. precision ground cutting edges [T2].
- 2 T.C.T. negatively ground spurs [V2].

APPLICATION: for drilling blind holes in solid wood, wood derivatives and laminates.
Ideal for hinges.

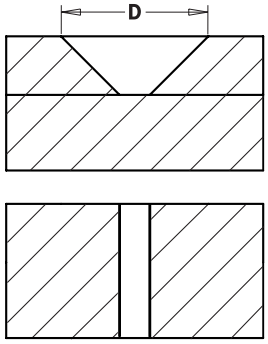


90° Solid Carbide Countersink with Parallel Shank

521

SOLID CARBIDE T3 RH

ORDER NO. Right-hand rotation		D mm	I mm	L mm	S mm
521.002.11	10	19.5	9	70	10x48



For drilling use bits serie **516** or **517**

TECHNICAL DETAILS:
- For making 90° countersink blind holes accepting flat-head fasteners that sit flush with the surface.
- 3 wear-resistant precision ground cutting edges providing a smooth finish on hardened materials.
- Solid carbide tool that is harder than cobalt steel, providing a longer tool life at higher speeds.
- Parallel shank to accommodate most drill chucks.
- Suitable for wood, wood-based, non-ferrous materials and metal.

Mortise Chisel & Bit Sets



543

HSS T1 RH

ORDER NO. Right-hand rotation		D inches	D mm	S inches	S mm
543.064.51	1	1/4	6.35	3/4	19
543.079.51	1	5/16	8	3/4	19
543.095.51	1	3/8	9.52	3/4	19
543.127.51	1	1/2	12.7	3/4	19
543.158.51	1	5/8	15.8	3/4	19
543.190.51	1	3/4	19	3/4	19

It's tough to beat the old faithful mortise and tenon joint for strength and accuracy, even with all the other joinery options in the world of woodworking. It isn't the easiest joint to make, but it surely helps to have the best quality tools in your shop. That's why we've added a new selection of chisel and bit sets in all the popular sizes 1/4" (6.35mm) to 3/4" (19mm) diameter.

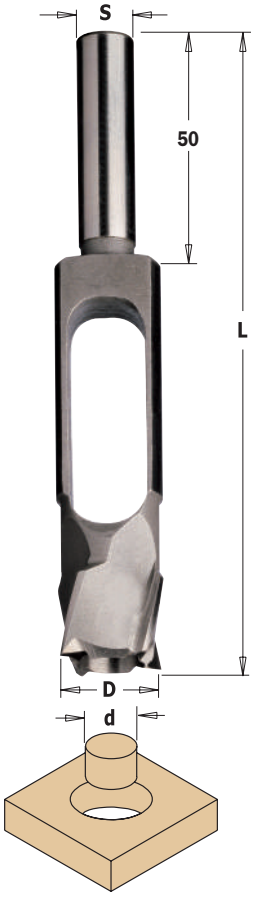
These sets are for use on any standard drill press mortising attachment of mortising machines.





Sample of Chisel Mortiser

Plug Cutters



529

SP RH

ORDER NO. Right-hand rotation		d inches	D inches	L inches	S inches	T
529.095.31	5	3/8	49/64	5-1/2	1/2	4
529.127.31	5	1/2	61/64	5-1/2	1/2	4
529.158.31	5	5/8	1-7/64	5-1/2	1/2	4
529.191.31	5	3/4	1-7/32	5-1/2	1/2	4
529.222.31	5	7/8	1-11/32	5-1/2	1/2	4
529.254.31	5	1	1-15/32	5-1/2	1/2	5
529.317.31	5	1-1/4	1-19/32	5-1/2	1/2	5
529.349.31	2	1-3/8	1-27/32	6-5/16	5/8	6
529.381.31	2	1-1/2	1-31/32	6-5/16	5/8	6
529.413.31	2	1-5/8	2-3/32	6-5/16	5/8	6
529.445.31	2	1-3/4	2-7/32	6-5/16	5/8	6
529.508.31	2	2	2-15/32	6-5/16	5/8	6

TECHNICAL DETAILS:
- SP steel.
- Long lasting cutting performance.
- 4 cutting edges.

APPLICATION: for drilling plugs in natural soft or medium-density woods.

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

Forstner Bits



toothed rim >=Ø25mm



standard rim <Ø25mm

537

SP T2 V2 RH

ORDER NO. Right-hand rotation		D inches	L inches	S inches
537.064.31	6	1/4	3-35/64	3/8
537.095.31	6	3/8	3-35/64	3/8
537.127.31	6	1/2	3-35/64	3/8
537.158.31	6	5/8	3-35/64	3/8
537.190.31	6	3/4	3-35/64	3/8
537.222.31	6	7/8	3-35/64	3/8
537.254.31	6	1	3-35/64	3/8
537.285.31	6	1-1/8	3-35/64	3/8
537.317.31	6	1-1/4	3-35/64	3/8
537.349.31	6	1-3/8	3-35/64	3/8
537.381.31	6	1-1/2	3-35/64	3/8
537.413.31	6	1-5/8	3-35/64	3/8
537.445.31	6	1-3/4	3-35/64	3/8
537.476.31	6	1-7/8	3-35/64	3/8
537.508.31	6	2	3-35/64	3/8
537.540.31	6	2-1/8	3-35/64	3/8
537.571.31	6	2-1/4	6-3/16	3/8
537.635.31	6	2-1/2	6-3/16	3/8
537.762.31	2	3	6-3/16	3/8
537.889.31	2	3-1/2	6-3/16	3/8
537.991.31	2	4	6-3/16	3/8
537.993.31	2	4-1/2	4-17/32	3/8

TECHNICAL DETAILS:
- Long-lasting cutting performance.
- Super strength SP steel.
- Precision balanced centre point.
- 2 ground spurs [V2].
- 2 precision ground cutting edges [T2].

APPLICATION: for drilling precise 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.

ORDER NO. Right-hand rotation		D mm	L mm	S mm
537.100.31	6	10	90	8
537.120.31	6	12	90	8
537.140.31	6	14	90	8
537.150.31	6	15	90	8
537.160.31	6	16	90	8
537.180.31	6	18	90	8
537.200.31	6	20	90	8
537.220.31	6	22	90	8
537.240.31	6	24	90	8
537.250.31	6	25	90	8
537.260.31	6	26	90	8
537.280.31	6	28	90	8
537.300.31	6	30	90	8
537.320.31	6	32	90	10
537.350.31	6	35	90	10
537.380.31	6	38	90	10
537.400.31	6	40	90	10
537.450.31	6	45	90	10
537.500.31	6	50	90	10
537.550.31	6	55	90	10
537.680.31	6	68	157	12.7
537.700.31	6	70	157	12.7
537.750.31	2	75	157	12.7
537.800.31	2	80	157	12.7
537.850.31	2	85	157	12.7
537.900.31	2	90	157	12.7
537.950.31	2	95	157	12.7
537.990.31	2	100	157	12.7

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.

Forstner Bit Sets

We offer a wide range of Forstner bits in the most popular diameters to execute the cleanest 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.

537.000.04
537.000.05
537.000.07
537.000.12



537.000.16

SP T2 V2 RH



ORDER NO. Right-hand rotation		DESCRIPTION	BIT DIAMETER	SHANK inches	SHANK mm
537.000.04	6	4 pcs. Forstner Bit Set in clamshell	Ø1/4" - 1/2" - 3/4" - 1"	Ø3/8	
537.000.07	6	7 pcs. Forstner Bit Set in clamshell	Ø1/4" - 3/8" - 1/2" - 5/8" - 3/4" - 7/8" - 1"	Ø3/8	
537.000.16	8	16 pcs. Forstner Bit Set in plastic box	Ø1/4" - 3/8" - 1/2" - 5/8" - 3/4" - 7/8" - 1" - 1-1/8" -	Ø3/8	
			1-1/4"-1-3/8"-1-1/2"-1-5/8"-1-3/4"-1-7/8"-2"-2-1/8"		
537.000.05	6	5 pcs. Forstner Bit Set in clamshell	Ø15-20-25-30-35mm		Ø8-10
537.000.12	6	12 pcs. Forstner Bit Set in clamshell	Ø10-12-14-15-16-18-20-22-25-26-30-35mm		Ø8-10



TECHNICAL DETAILS:
- Premium quality super-strength steel.
- Black P.T.F.E. coating.
- S.T.C. head.
- No lateral spurs.
- 2 cutting edges [T2].
- 2 spiral flutes.

APPLICATION: for use on "DOMINO® machines to rout slots for hinges.

380

CARBIDE TIPPED | SOLID CARBIDE | T2 | RH

ORDER NO. Right-hand rotation		D mm	I mm	L mm	S mm	FESTOOL®
380.040.11•	10	4	11	38	M6x0.75	DF500
380.050.11	10	5	20	49	M6x0.75	DF500
380.060.11	10	6	28	49	M6x0.75	DF500
380.080.11	10	8	28	49	M6x0.75	DF500
380.100.11	10	10	28	49	M6x0.75	DF500
380.081.11	10	8	50	90	M8x1	DF700
380.101.11	10	10	70	90	M8x1	DF700
380.121.11	10	12	70	90	M8x1	DF700
380.141.11	10	14	70	90	M8x1	DF700

• **Solid Carbide**

Rosette Cutters



531

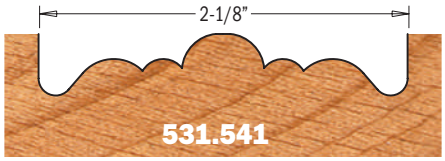
CARBIDE TIPPED | T2 | RH

ORDER NO. Right-hand rotation		D inches	L inches	S inches	MAX RPM
531.541	10	2-1/8	2-57/64	3/8	1500
531.542	10	2-1/8	2-13/16	3/8	1500
531.543	10	2-1/8	2-21/32	3/8	1500
531.544	10	2-1/8	2-27/32	3/8	1500
531.701	5	2-3/4	3-1/64	3/8	1500
531.702	5	2-3/4	2-29/32	3/8	1000

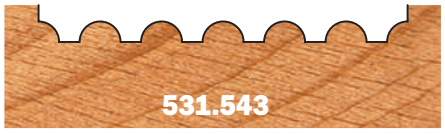
TECHNICAL DETAILS:
- Super strength steel.
- 2 T.C.T. precision ground cutting edges [T2].
- Parallel hexagonal shank.
- Right-hand rotation (RH).



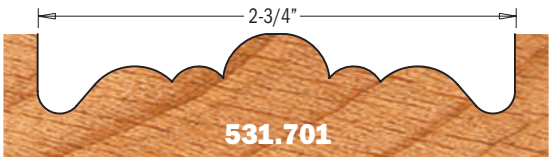
APPLICATION: for use on drill presses and low speed power tools (see table above for max RPM). We recommend securely clamping your workpiece throughout drilling operations.













Drawing is 1:1 scale



CMT XTREME FAST AND PUSH&LOCK SYSTEMS: NEXT GENERATION HOLE SAW

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



CARBIDE TIPPED

10X LONGER LIFE

FASTER 5X

MATERIALS



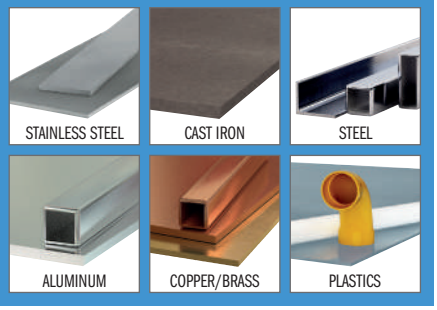
SERIES 551X: BI-METAL PLUS



BIM 8% Co

2X LONGER LIFE

MATERIALS



SERIES 552: DIAMOND DRY



GRIT

LONG LIFE

MATERIALS



CLAMSHELL PACKAGING

Hole Saws ≥Ø6-5/16" are packaged in a carton box.









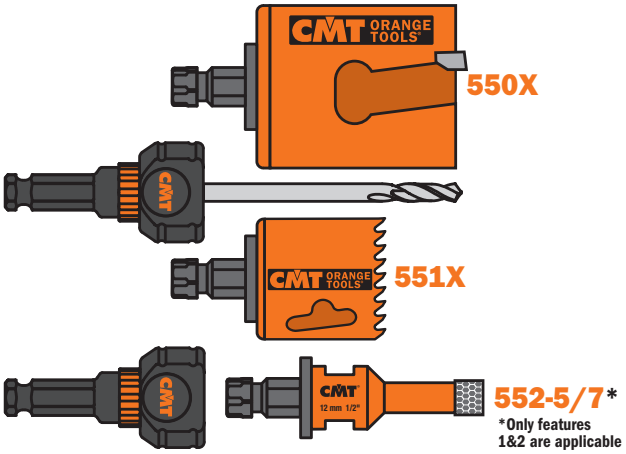



HOLE SAWS & CARBIDE WHEEL

PRODUCTS	PAGE
Toolcase for XTREME FAST Hole Saws	297
Extension for PUSH&LOCK Arbors	297
XTREME FAST Hole Saw Arbors, Pilot Drills & Kit	298
XTREME FAST Hole Saw Adaptors	299
XTREME FAST Multi-Purpose Hole Saws	300-301
XTREME FAST Bi-Metal Plus Hole Saw	302-303
Diamond Dry Hole Saws for Drill	304
Diamond Dry Hole Saws for Angle Grinder	305
Multi-Materials Carbide Wheel	306
Multi-Materials Diamond Wheel	306

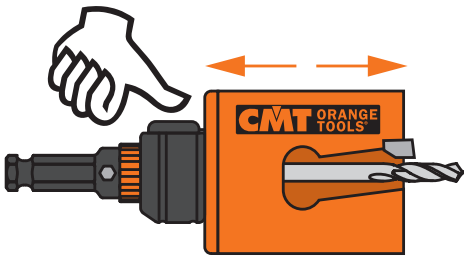
CMT XTREME FAST AND PUSH&LOCK SYSTEMS: NEXT GENERATION HOLE SAW

1. One PUSH&LOCK arbor for all Hole Saw Series & Diameters



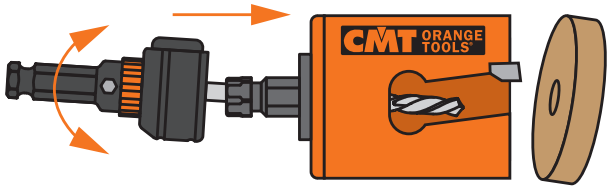


2. Change your Hole Saw with a simple PUSH&LOCK



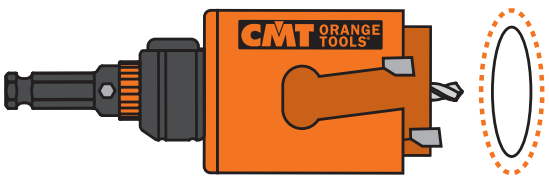


3. Release Plug with a push





4. Enlarge the existing hole (Use adaptor set 550-PA05)





Toolcase for XTREME FAST Hole Saws

new





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

ORDER NO.	DESCRIPTION
03.01.0531	Toolcase SMALL - Up to 11 Hole Saws
03.01.0532	Toolcase MEDIUM - Up to 24 Hole Saws
03.01.0533	Toolcase LARGE - Up to 63 Hole Saws

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**.



ORDER NO.	S=B inches	S=B mm	L inches	L mm
55EX-8506	HEX11/32	HEX8.5	6	150
55EX-8512	HEX11/32	HEX8.5	12	300
55EX-8518	HEX11/32	HEX8.5	18	450
55EX-1106	HEX7/16	HEX11	6	150
55EX-1112	HEX7/16	HEX11	12	300
55EX-1118	HEX7/16	HEX11	18	450

HEXAGONAL SHANK HEX8.5 11/32" QUICK CONNECT

HEXAGONAL SHANK HEX11 7/16" QUICK CONNECT

Pack Qty. 10 pcs.

CMT ORANGE TOOLS®

One PUSH&LOCK arbor for all Hole Saw Series & Diameters

PUSH & LOCK

550-PH85

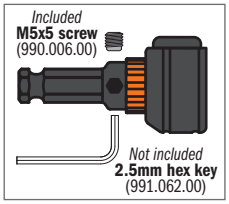
PUSH&LOCK arbor for **XTREME FAST** system, shank **HEX8.5**mm (11/32").
Compatible with chucks ≤25/64" (10mm).
HSS pilot drill (550-PD02 included)

HEXAGONAL SHANK — HEX8.5mm 11/32" — QUICK CONNECT



HSS

Suitable for Series: 550X 551X 552-5/7



550-PH11

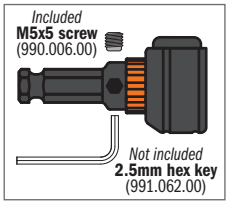
PUSH&LOCK arbor for **XTREME FAST** system, shank **HEX11**mm (7/16").
Compatible with chucks ≤1/2" (13mm). **HEAVY DUTY.**
HSS pilot drill (550-PD02 included)

HEXAGONAL SHANK — HEX11mm 7/16" — QUICK CONNECT



HSS

Suitable for Series: 550X 551X 552-5/7



550-PD01

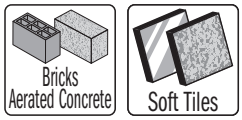
TCT Pilot drill for **PUSH&LOCK** arbor, Ø17/64" (7mm), L=4-15/16" (125mm).



CARBIDE TIPPED

Suitable for Series: 550X

MATERIALS



550-PD02

HSS Pilot drill for **PUSH&LOCK** arbor, Ø1/4" (6.35mm), 4-15/16" (L=125mm).



HSS

Suitable for Series: 550X 551X

MATERIALS



550-PA06 STARTER KIT (550-PH85 1pc., 550-PA01 2pcs., 550-PA02 3pcs.)

HEXAGONAL SHANK — HEX8.5mm 11/32" — QUICK CONNECT



HSS

1 PC 550-PH85

550-PA01 2 PCS



1/2"-20 SPINDLE

550-PA02 3 PCS



5/8"-18 SPINDLE

13mm

XTREME FAST system is compatible with all Hole Saw Series & Diameters

XTREME FAST

550-PA01 (3pcs.)

XTREME FAST Adaptor 1/2”-20 for hole saw Ø5/8”~1-3/16” (16~30mm)



1/2”-20
SPINDLE

13mm

3 PCS

Suitable for Series:

550X 551X

Ø5/8”~1-3/16”
(16~30mm)



550-PA02 (3pcs.)

XTREME FAST Adaptor 5/8”-18 for hole saw Ø1-1/4”~5-29/32” (32~150mm)



5/8”-18
SPINDLE

13mm

3 PCS

Suitable for Series:

550X 551X

Ø1-1/4”~5-29/32”
(32~150mm)



550-PA03 (3pcs.)

XTREME FAST Adaptor 5/8”-18 for hole saw ≥Ø 6” (152mm)



5/8”-18
SPINDLE
& SCREWS

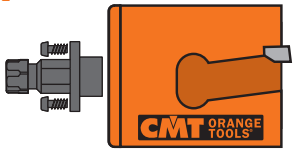
13mm

3 PCS

Suitable for Series:

550X 551X

≥Ø6”
(152mm)



550-PA07 (3pcs.)

XTREME FAST Adaptor 5/8”-11 for hole saw series 552-7



5/8”-11
SPINDLE

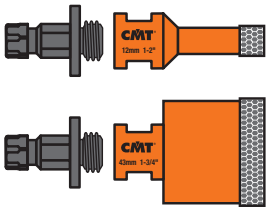
13mm

3 PCS

Suitable for Series:

552-7*

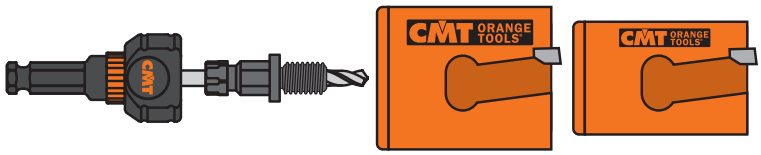
*Pilot drill of PUSH&LOCK arbor must be disassembled during use with this series



550-PA05 KIT FOR ENLARGMENT EXISTING HOLE

(3pcs. **LONG SPINDLE**)

Example of assembly for existing hole enlargment





1 PC 1/2”-20
LONG SPINDLE

1 PC 5/8”-18
LONG SPINDLE

1 PC 5/8”+ 1/2”
LONG SPINDLE

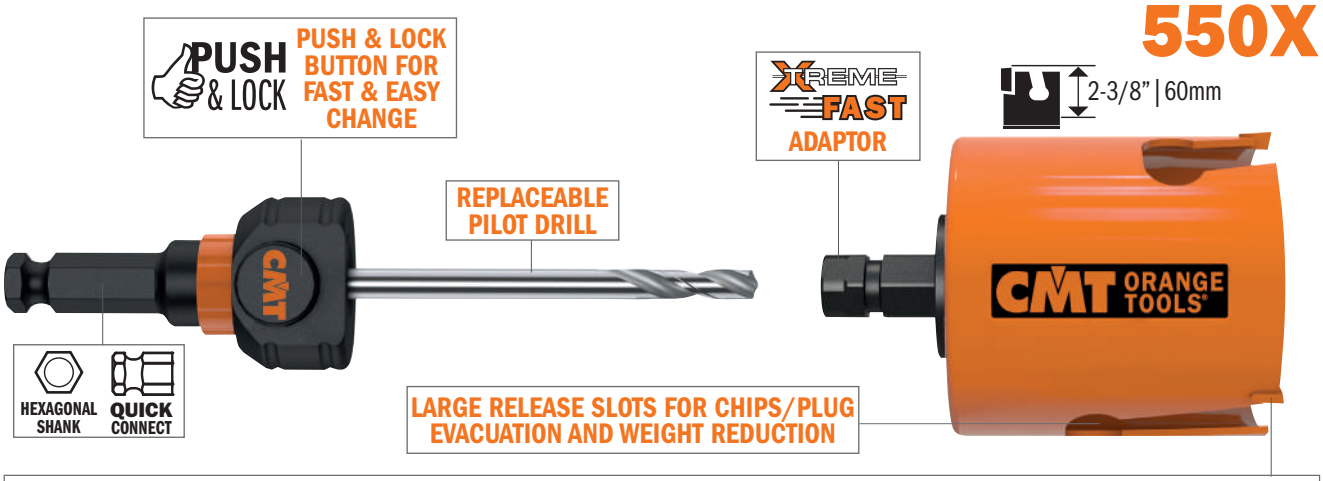
13mm

Suitable for Series:

550X 551X

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.

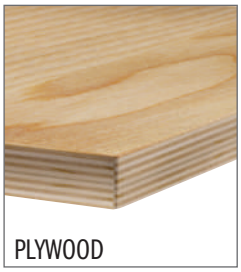
FASTER 5X — 10X LONGER LIFE

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.

CARBIDE TIPPED

MATERIALS


WOOD


PLYWOOD


MDF


LAMINATES


PLASTERBOARD

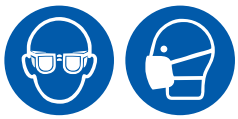

PLASTICS


BRICKS


AEROATED CONCRETE


SOFT TILES





SPEED KILLS!
Operating at higher speeds than those indicated will shorten hole saw life and produce pour quality holes.

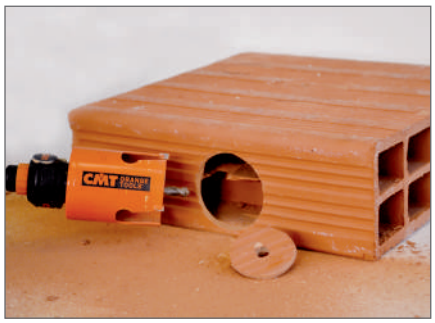
PRE-BORE:
For best results, always pre-bore with the pilot drill only.

NEVER USE HAMMER MECHANISM WITH THESE HOLESAWS!

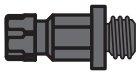


APPLICATIONS: examples on wood, brick, plastic.









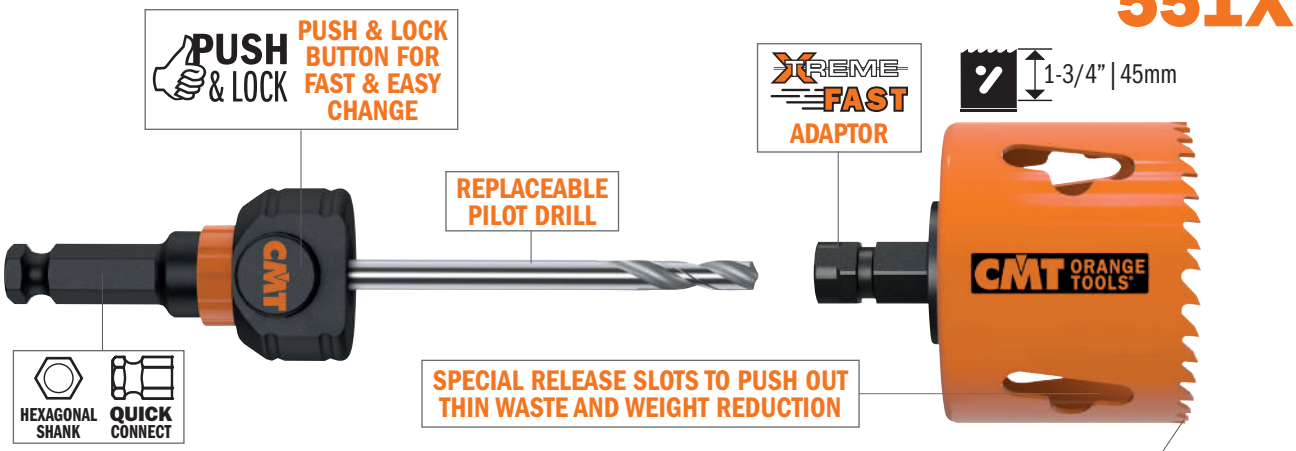
ALL HOLE SAWS 550X ARE EQUIPPED WITH AN XTREME FAST ADAPTOR

ORDER NO.		D		T	WOOD/PLYWOOD RPM*	MDF/LAMINATES RPM*	PLASTERBOARD RPM*	PLASTICS RPM*	BRICK/AERATED CONCRETE RPM*	SOFT TILES RPM*
		inches	mm							
550-019X	10	3/4	19	1	2300	2300	2300	2100	900	700
550-020X	10	25/32	20	1	2200	2200	2200	2000	900	600
550-022X	10	7/8	22	1	2000	2000	2000	1800	800	600
550-025X	10	1	25	1	1800	1800	1800	1600	700	500
550-029X	10	1-1/8	29	1	1500	1500	1500	1400	600	400
550-030X	10	1-3/16	30	1	1500	1500	1500	1300	600	400
550-032X	10	1-1/4	32	1	1400	1400	1400	1200	500	400
550-035X	10	1-3/8	35	1	1300	1300	1300	1100	500	300
550-038X	10	1-1/2	38	2	1100	1100	1100	1000	400	300
550-040X	10	1-9/16	40	2	1100	1100	1100	1000	400	300
550-044X	10	1-3/4	44	2	1000	1000	1000	900	400	300
550-048X	10	1-7/8	48	2	900	900	900	800	300	200
550-051X	10	2	51	3	800	800	800	800	300	200
550-054X	10	2-1/8	54	3	800	800	800	700	300	200
550-056X	10	2-3/16	56	3	800	800	800	700	300	200
550-057X	10	2-1/4	57	3	700	700	700	700	300	200
550-060X	10	2-3/8	60	3	700	700	700	600	300	200
550-064X	10	2-1/2	64	3	700	700	700	600	200	200
550-065X	10	2-9/16	65	3	700	700	700	600	200	200
550-068X	10	2-11/16	68	3	600	600	600	600	200	100
550-070X	10	2-3/4	70	3	600	600	600	500	200	100
550-073X	10	2-7/8	73	3	600	600	600	500	200	100
550-076X	10	3	76	4	500	500	500	500	200	100
550-079X	10	3-1/8	79	4	500	500	500	500	200	100
550-080X	10	3-5/32	80	4	500	500	500	500	200	100
550-082X	10	3-15/64	82	4	500	500	500	500	200	100
550-083X	10	3-1/4	83	4	500	500	500	400	200	100
550-089X	10	3-1/2	89	4	500	500	500	400	200	100
550-092X	10	3-5/8	92	4	400	400	400	400	200	100
550-102X	5	4	102	5	400	400	400	400	100	100
550-105X	5	4-1/8	105	5	400	400	400	300	100	100
550-108X	5	4-1/4	108	5	400	400	400	300	100	100
550-111X	5	4-3/8	111	5	400	400	400	300	100	100
550-114X	5	4-1/2	114	5	300	300	300	300	100	100
550-118X	2	4-5/8	118	6	300	300	300	300	100	100
550-127X	2	5	127	6	300	300	300	300	100	100
550-133X	2	5-1/4	133	6	300	300	300	300	100	100
550-152X	2	6	152	6	200	200	200	200	100	50
550-160X	1	6-5/16	160	7	200	200	200	200	100	50
550-168X	1	6-5/8	168	7	200	200	200	200	100	50
550-185X	1	7-5/16	185	8	200	200	200	200	100	50
550-210X	1	8-1/4	210	8	200	200	200	100	50	50

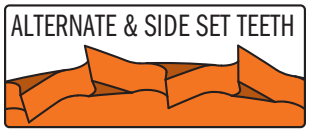
*SUGGESTED RPM

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.

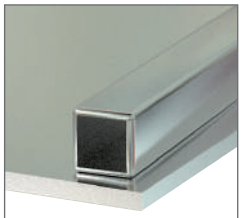
BIM 8% Co — 2X LONGER LIFE

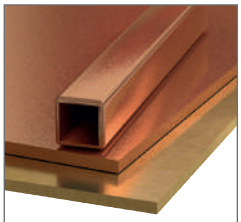
MATERIALS

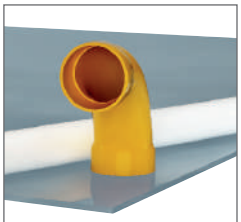

STAINLESS STEEL


CAST IRON


STEEL


ALUMINUM


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.

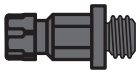
NEVER USE HAMMER MECHANISM WITH THESE HOLESAWS!

NEVER USE HAMMER MECHANISM

APPLICATIONS: examples on steel, sandwich material.







ALL HOLE SAWS 551X ARE EQUIPPED WITH AN XTREME FAST ADAPTOR

ORDER NO.		D inches	D mm	STAINLESS STEEL RPM*	CAST IRON RPM*	STEEL RPM*	ALUMINUM RPM*	COPPER/BRASS RPM*	PLASTICS RPM*
551-016X	10	5/8	16	160	240	320	500	500	500
551-019X	10	3/4	19	140	200	280	420	420	420
551-020X	10	25/32	20	120	200	260	400	400	400
551-022X	10	7/8	22	120	180	240	360	360	360
551-025X	10	1	25	100	160	200	320	320	320
551-027X	10	1-1/16	27	80	140	180	300	300	300
551-029X	10	1-1/8	29	80	140	180	280	280	280
551-030X	10	1-3/16	30	80	120	160	260	260	260
551-032X	10	1-1/4	32	80	120	160	240	240	240
551-035X	10	1-3/8	35	60	100	140	220	220	220
551-038X	10	1-1/2	38	60	100	140	200	200	200
551-040X	10	1-9/16	40	60	100	120	200	200	200
551-043X	10	1-11/16	43	60	80	120	180	180	180
551-044X	10	1-3/4	44	60	80	120	180	180	180
551-048X	10	1-7/8	48	40	80	100	160	160	160
551-051X	10	2	51	40	80	100	160	160	160
551-054X	10	2-1/8	54	40	60	80	140	140	140
551-057X	10	2-1/4	57	40	60	80	140	140	140
551-060X	10	2-3/8	60	40	60	80	120	120	120
551-064X	10	2-1/2	64	40	60	80	120	120	120
551-065X	10	2-9/16	65	40	60	80	120	120	120
551-068X	10	2-11/16	68	20	60	60	120	120	120
551-070X	10	2-3/4	70	20	40	60	100	100	100
551-073X	10	2-7/8	73	20	40	60	100	100	100
551-076X	10	3	76	20	40	60	100	100	100
551-079X	10	3-1/8	79	20	40	60	100	100	100
551-083X	10	3-1/4	83	20	40	60	80	80	80
551-086X	10	3-3/8	86	20	40	60	80	80	80
551-089X	10	3-1/2	89	20	40	60	80	80	80
551-092X	10	3-5/8	92	20	40	40	80	80	80
551-102X	5	4	102	20	40	40	80	80	80
551-105X	5	4-1/8	105	20	20	40	60	60	60
551-108X	5	4-1/4	108	20	20	40	60	60	60
551-114X	5	4-1/2	114	20	20	40	60	60	60
551-127X	2	5	127	20	20	40	60	60	60
551-133X	2	5-1/4	133	20	20	40	60	60	60
551-140X	2	5-1/2	140	10	20	20	40	40	40
551-152X	2	6	152	10	20	20	40	40	40
551-168X	1	6-5/8	168	10	20	20	40	40	40

***SUGGESTED RPM**

Diamond Dry Hole Saws

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

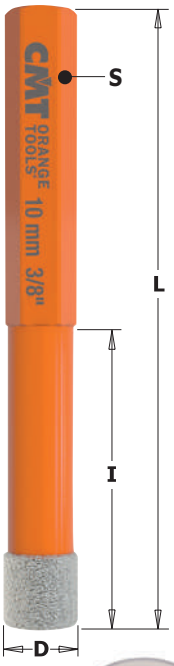
Diamond Grit
Diamond grit featuring strong cubo-octahedral inclusion-free heat-resistant crystals, guarantees fast clean cutting and longer cutting life then the standard hole saw.

LONG LIFE

AVAILABLE WITH SHANK

HEXAGONAL SHANK

M14 SPINDLE



HEXAGONAL SHANK



RPM 2200 ~ 4000*

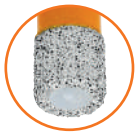
552-0 For Drill

ORDER NO.		D inches	D mm	I inches	L inches	HARD TILES (CERAMIC & GRES) HARD STONES, ARTIFICAL STONES	S
552-005	10	3/16	5	1-3/16	2-11/16	RPM 2200 ~ 4000 *	HEX
552-006	10	1/4	6	1-3/16	2-11/16	RPM 2200 ~ 4000 *	HEX
552-008	10	5/16	8	1-9/16	3-1/8	RPM 2200 ~ 4000 *	HEX
552-010	10	3/8	10	1-9/16	3-1/8	RPM 2200 ~ 4000 *	HEX
552-012	10	1/2	12	1-9/16	3-1/8	RPM 2200 ~ 4000 *	HEX
552-014	10	9/16	14	1-9/16	3-1/8	RPM 2200 ~ 4000 *	HEX
552-016	10	5/8	16	1-9/16	3-1/8	RPM 2200 ~ 4000 *	HEX

***We recommend the use of a high speed drill (minimum 14V)**







Filled with cooling wax **552-WAX**



552-001-05

5 PIECE HOLE SAW SET

- **552-005** Ø3/16" (5mm)
- **552-006** Ø1/4" (6mm)
- **552-008** Ø5/16" (8mm)
- **552-010** Ø3/8" (10mm)
- **552-012** Ø1/2" (12mm)

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.0z)

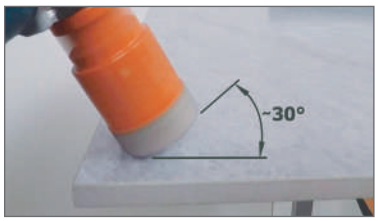
COOLANT LUBRICANT

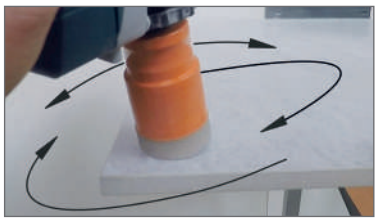
EXTEND LIFETIME

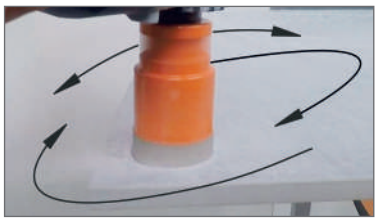
PACK QTY. 10 pcs.

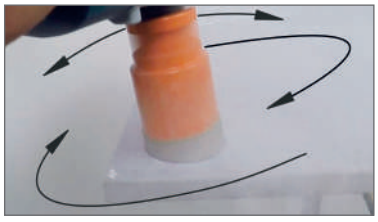


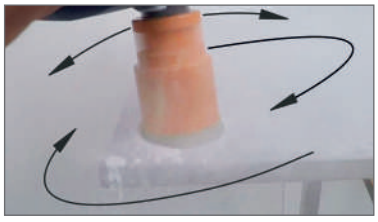


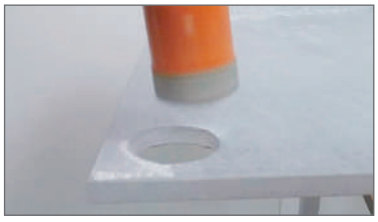












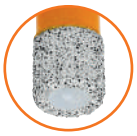
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5/8"-11
SPINDLE







Filled with cooling wax **552-WAX** (until Ø16mm)



≥ Ø3/4" without cooling wax

552-7 For Angle Grinder

ORDER NO.		D inches	D mm	I inches	L inches	HARD TILES (CERAMIC & GRES) HARD STONES, ARTIFICAL STONES	S
552-705	10	3/16	5	1-3/8	2-3/8	MAX RPM 14000	5/8"-11
552-706	10	1/4	6	1-3/8	2-3/8	MAX RPM 14000	5/8"-11
552-708	10	5/16	8	1-3/8	2-3/8	MAX RPM 14000	5/8"-11
552-710	10	3/8	10	1-3/8	2-3/8	MAX RPM 14000	5/8"-11
552-712	10	1/2	12	1-3/8	2-3/8	MAX RPM 14000	5/8"-11
552-716	5	5/8	16	1-3/8	2-3/8	MAX RPM 14000	5/8"-11
552-719	5	3/4	20	1-9/16	2-3/8	MAX RPM 14000	5/8"-11
552-725	5	1	25	1-9/16	2-3/8	MAX RPM 14000	5/8"-11
552-732	5	1-1/4	32	1-9/16	2-3/8	MAX RPM 14000	5/8"-11
552-735	5	1-3/8	35	1-9/16	2-3/8	MAX RPM 14000	5/8"-11
552-738	5	1-1/2	38	1-9/16	2-3/8	MAX RPM 14000	5/8"-11
552-751	5	2	51	1-9/16	2-3/8	MAX RPM 14000	5/8"-11
552-754	5	2-1/8	54	1-9/16	2-3/8	MAX RPM 14000	5/8"-11
552-789	5	3-1/2	89	5/8	2-3/8	MAX RPM 14000	5/8"-11



552-GUIDE

Drill Guide with Suction Cups - 7 holes
Ø5/32" - 3/16" - 1/4" - 9/32" - 5/16" - 3/8" - 1/2"
Ø4 - 5 - 6 - 7 - 8 - 10 - 12mm

PACK QTY. 10 pcs.



552-701-06

6 PIECE HOLE SAW SET

- **552-706** Ø1/4" (6mm)
- **552-708** Ø5/16" (8mm)
- **552-710** Ø3/8" (10mm)
- **552-712** Ø1/2" (12mm)
- **552-GUIDE**
- **552-EX16**

PACK QTY. 10 pcs.



550-PA07

XTREME FAST Adaptor 5/8" (series **552-7**) for **PUSH&LOCK** System *(see page 299)*



552-EX16

Hexagonal adaptor 5/8" (series **552-7**) for drills

PACK QTY. 10 pcs.



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.

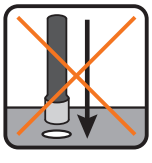
Using water as a cooling agent may help extend the life of the hole saw.

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!









Multi-Materials CARBIDE Wheel



ALWAYS
• USE BOTH HANDS • USE WHEEL GUARD • CLAMP WORKPIECE

286 FOR ANGLE GRINDER

CARBIDE GRIT

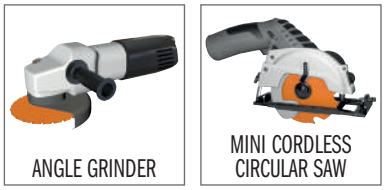
MULTI-MATERIALS

ORDER NO.		D inches	B inches
286.115.01	10	4-1/2	7/8 (+3/8+5/8)
286.125.01	10	5	7/8 (+20mm+5/8)
286.230.01	5	9	7/8

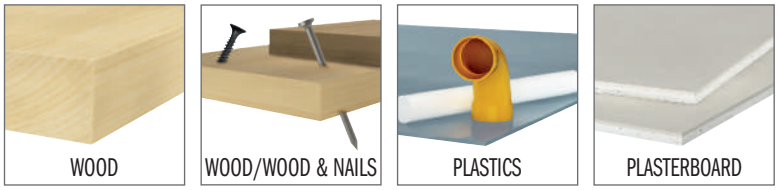
APPLICATIONS: examples of cutting on wood, wood & nails and plastics.



MACHINES



MATERIALS



Blade diameter compatibility is contingent on machine type.

Multi-Materials DIAMOND Dry Wheel

new



ALWAYS
• USE BOTH HANDS • USE WHEEL GUARD • CLAMP WORKPIECE

286.61 FOR ANGLE GRINDER

GRIT

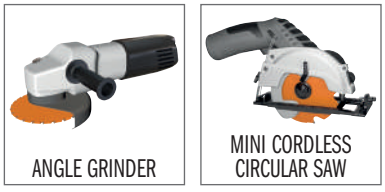
MULTI-MATERIALS

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

APPLICATIONS: examples of cutting on bricks, hard stone and artificial stone.



MACHINES



Blade diameter compatibility is contingent on machine type.

MATERIALS









ACCESSORIES

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Hinge Boring System

CMT ORANGE TOOLS®

CMT333-03

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.

Check out the **CMT333** on YouTube





For use on drill presses



For use with portable drills

Technical Features and Specifications:
- Metal parts are anti-rust
- Aluminum alloy
- Max 5000 RPM
- Six radial anti-friction bearings
- Ground chromium plated slide bars (Maximum Length=90mm)

The complete system CMT333-03 contains:
- **CMT333** the modular base support
- **CMT333-4595** boring head
- **317.350.11** Ø35mm hinge boring bit.

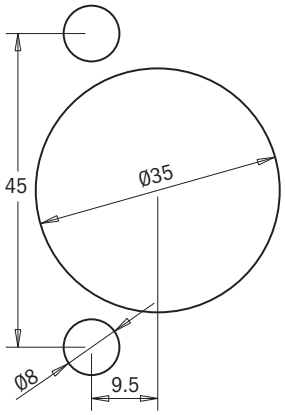
Not included:
310.080.12 Ø8mm Dowel Drills

Spare parts	
990.009.00	991.067.00





Standard

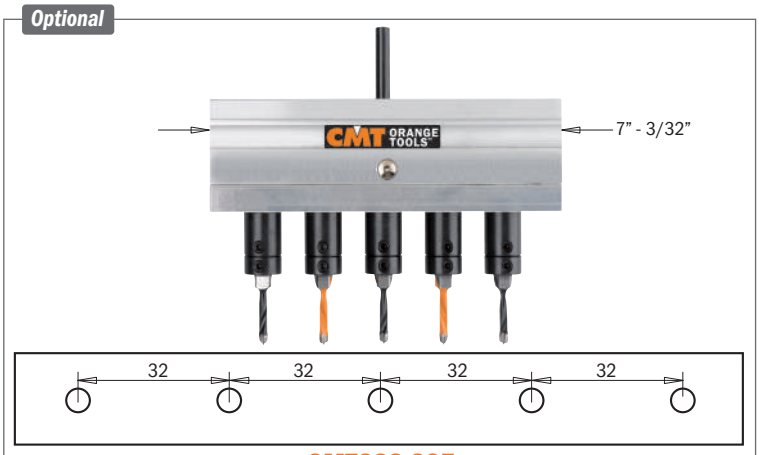


CMT333-4595
for BLUM® hinges 45/9.5



Example BLUM® hinge

Optional



CMT333-325
Boring head with 5 adaptors for system 32mm (3 right and 2 left)

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BLUM® Hinge Boring Head for Boring Machines

CMT ORANGE TOOLS®

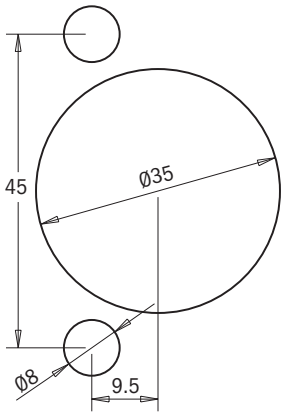
CMT334

The innovative **CMT334** BLUM® Hinge Boring Head features three spindles which allow you to bore hinge holes cleanly and efficiently. For use on boring and point-to-point machines.

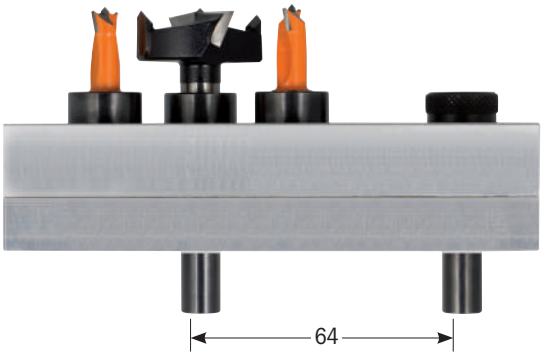


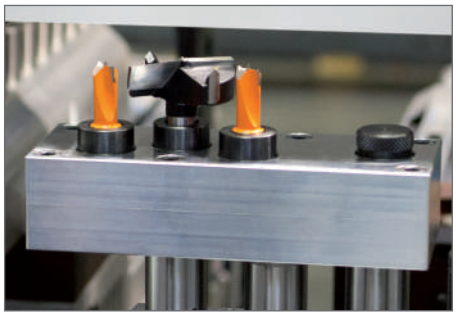
ORDER NO.	DESCRIPTION
CMT334-4595	Hinge Boring Head (bits not included)
393.350.11	Boring Bit Ø35mm x 38.5mm. Right-hand rotation
393.080.12	Dowel Drill Ø8mm x 38.5mm. Left-hand rotation

Standard



CMT334-4595
for BLUM® hinges 45/9.5



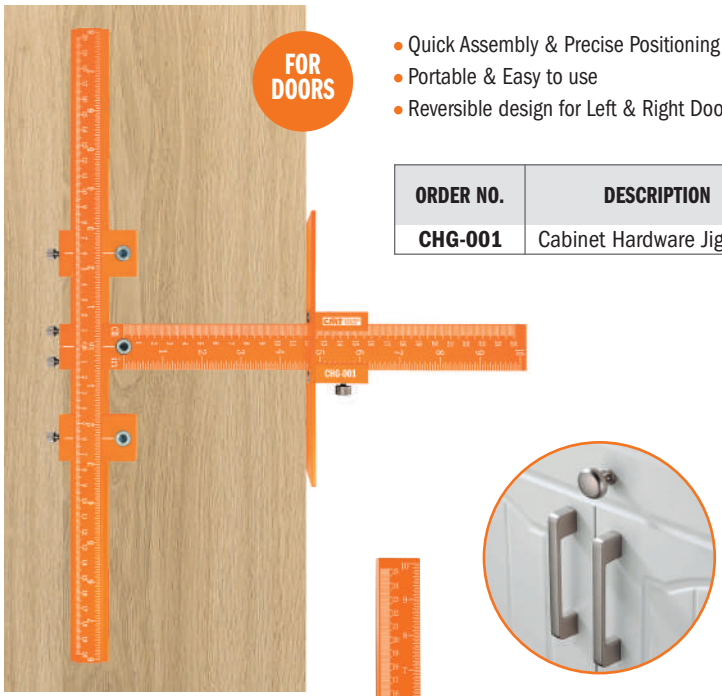


For use on boring and point-to-point machines

Cabinet Hardware Jig Guide

new

CHG-001

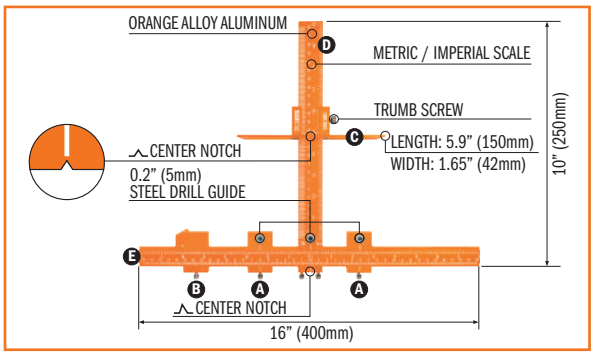


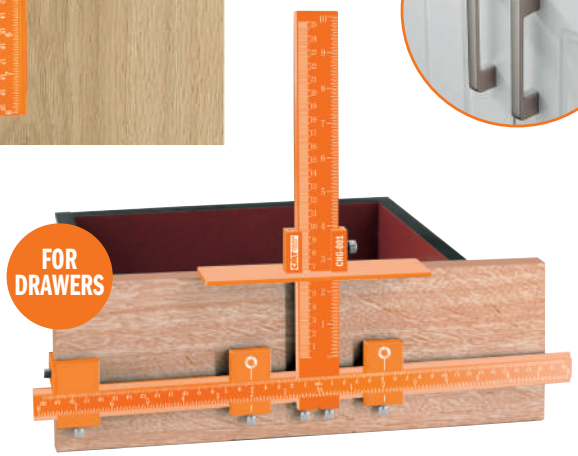
- Quick Assembly & Precise Positioning
- Portable & Easy to use
- Reversible design for Left & Right Doors

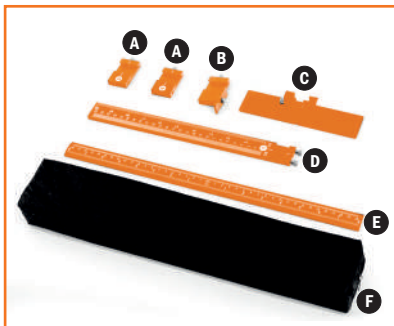
ORDER NO.	DESCRIPTION
CHG-001	Cabinet Hardware Jig Guide

TECHNICAL DETAILS:

- Vertical scale:.....0~10" (0~250mm)
- Horizontal scale (each side):.....0~8" (0~200mm)
- Dimension:.....16.15" x 12.2" x 1.65" (410 x 310 x 42mm)
- Weight:.....1.2lb (0.55Kg)







SET CONTAINS:

A: Adjustable Slider Drill Guides
B: Lateral Stop
C: Reference Stop
D: Vertical Ruler
E: Horizontal Ruler
F: Storage Bag

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Pocket-Pro Joinery System

CMT ORANGE TOOLS®

PPJ-002

For fast, easy and accurate cabinet & furniture construction. Designed by CMT and professional cabinetmakers, this new system allows you to make rock-solid pocket hole joints in stock 1/2" (12.7mm) to 1-5/8" (41.3mm) 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 1/16" (1,6mm) 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 1/2" (12.7mm) to 1-5/8" (41.3mm) 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.

Check out the Pocket-Pro Joinery System today.
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



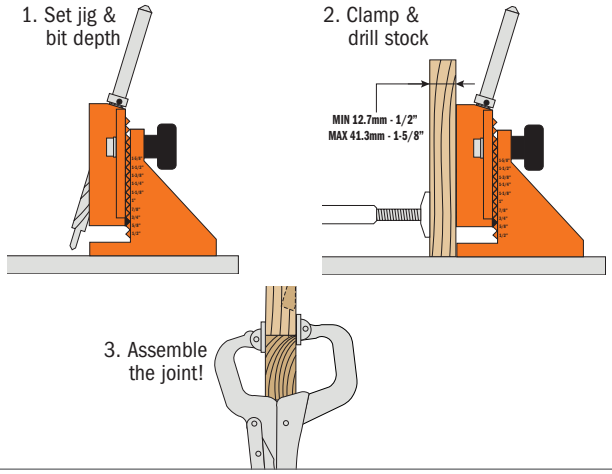
999.505.08

ORDER NO.	DESCRIPTION
PPJ-002	Pocket-Pro Joinery System set
Set contains:	
999.505.10	Pocket-Pro main parts
999.505.05	Toggle clamp
515.001.51	Ø3/8" (9.52mm) step drill bit
541.095.00	Ø3/8" (9.52mm) depth collar for step drill bit
999.505.08	L=6" (152mm) Square drive screw driver bit
990.101X30	Masterpack 30 screw L=1-1/4" (31.7mm)

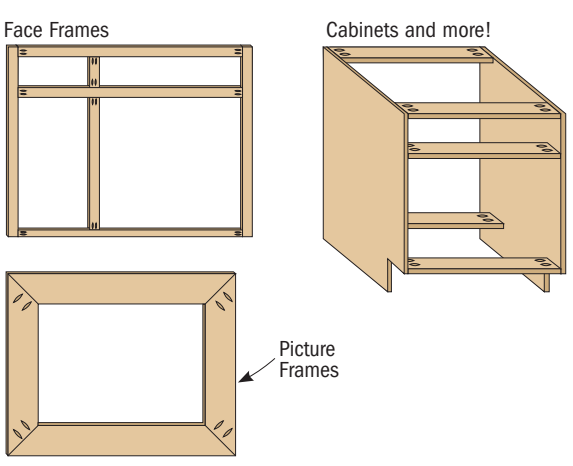
ORDER NO.	DESCRIPTION OPTIONAL
990.101X500	500 fine screws L=1-1/4" (31.7mm)
990.102X500	500 coarse screws L=1-1/4" (31.7mm)
990.103X500	500 fine screws L=1-1/2" (38.1mm)
990.104X500	500 coarse screws L=1-1/2" (38.1mm)

Watch the video on YouTube

ENJOY EASY POCKET HOLE JOINERY!



BUILD ALMOST ANYTHING!



Inlay Kit

899

Beautiful, professional-quality inlays aren't as difficult as they seem. In fact, they're easy with a CMT Inlay Kit. Solid brass components come with either a solid carbide spiral bit or straight bit with 1/8" cutting diameter and 1/4" shank. Just remove and reassemble the small bushing to make the recess in the workpiece and cut out the inlay.
Perfect for toymaking, puzzle making, lettering and lots of other decorative projects. Use the spiral bit for routing MDF, or the straight bit for natural wood.





ORDER NO.	DESCRIPTION
899.051.00	**Inlay kit with 1/8" solid carbide spiral bit** (Ø1/4" shank)
899.052.00	**Inlay kit with 1/8" solid carbide straight bit** (Ø1/4" shank)
899.001.00	Universal router base
192.001.11	1/8" HWM spiral bit (Ø1/4" shank)
812.032.11	1/8" HWM straight bit (Ø1/4" shank)

Template Guide Kit



CMT-TGA

A practical 7-bushing kit that will extend the possibilities of your router. For template-controlled operations such as dovetailing, stair routing, hinge butt routing, lock face routing and more general template tasks. These template guides can be used with any router featuring a 30mm (1-3-/16") bore base-plate. Fits the most popular routers.

ORDER NO.	DESCRIPTION
CMT-TGA	Template Guide Kit

Set contains:

Q.TY	1	1	1	1	1	1	1	2	1
Internal diameter	5/8"	21/32"	17/32"	13/32"	11/32"	9/32"	1/4"	Lock Nut	Adapter
Outside diameter	51/64"	3/4"	5/8"	1/2"	7/16"	3/8"	5/16"	Lock Nut	
Height	9/16"	9/16"	9/16"	5/16"	5/32"	5/16"	5/32"		

Universal Dovetail Jig

CMT ORANGE TOOLS®

CMT300

Max Length 12”
Joint Thickness 7/16”~1”

Dovetail joints give a touch of craftsmanship to your work, but many woodworkers avoid these joints, because of their apparent complexity. CMT’s new 12” dovetail jig is the fast easy solution! Thanks to precise templates, permanent stops and easy adjustments, we have taken the “tinkering” out of dovetail joinery. Simply clamp your workpiece in with the edges against the factory-set stops, set your bit depth and then you are ready to rout. Rest assured, we haven’t cut corners on quality! This jig features a steel body, templates, stops and clamping bars, so it produces perfect long-lasting joints for all your woodworking needs. The machine accepts stock from 7/16” to 1” thickness, and is capable of producing a variety of joints with the available templates. Standard jig includes a template for 1/2” half blind joints and a template guide. Optional templates are available for through dovetail and box joints.

ORDER NO.	DESCRIPTION
CMT300	Universal Dovetail Jig



Standard equipment
- Standard Ø1/2” silver blind template **CMT300-T128**
- Ø5/8”x5/32” template guide **899.005.00**

Check out **CMT300** on YouTube

IMPORTANT TIP



TCT DOVETAIL BITS (not included):

818.128.11	D=1/2”	A=14°	S=1/4”
818.628.11	D=1/2”	A=14°	S=1/2”



Will the template fit my router?

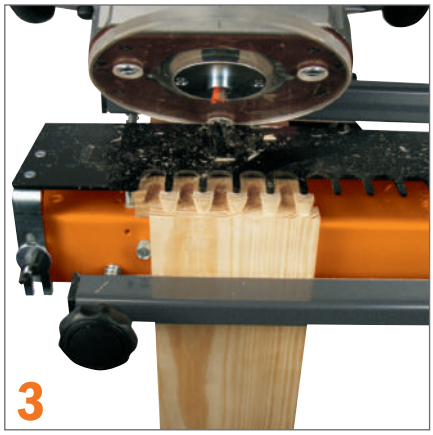
Standard template guide features two prebored holes with 2” center-to-center distance and attaches via two screws. Many routers are compatible with this design. However, if yours is not, choose from the list of universal router bases here below:

Universal router bases	ORDER NO.
For Ø1/4” and Ø1/2” shank	**CMT300-SB2**

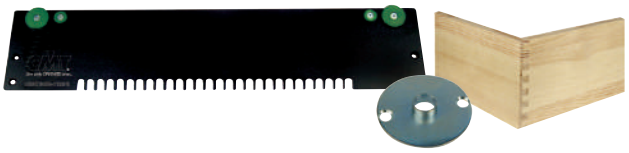
Here’s how it works:







Half Blind Template CMT300-T064



ORDER NO.	TEMPLATE LENGTH inches	DOVETAIL SIZE inches	THICKNESS inches	COLOUR
CMT300-T064	12	1/4	5/16 ~ 15/32	green

899.003.00 Supplied with Ø5/16”x5/32” precision guide

To be used with CMT dovetail router bits:
818.064.11 Dovetail bit Ø1/4”x5/16” (shank Ø1/4”)



Box Joint Templates CMT300-T080 - CMT300-T127



ORDER NO.	TEMPLATE LENGTH inches	DOVETAIL SIZE inches	THICKNESS inches	COLOUR
CMT300-T080	12	5/16	5/16 ~ 25/32	blue

899.004.00 Supplied with Ø7/16”x5/32” precision guide

To be used with CMT straight router bits:
811.081.11 Straight bit Ø5/16”x1” (shank Ø1/4”)



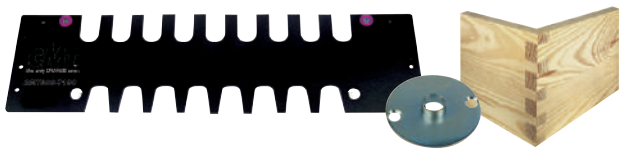
ORDER NO.	TEMPLATE LENGTH inches	DOVETAIL SIZE inches	THICKNESS inches	COLOUR
CMT300-T127	12	1/2	5/16 ~ 25/32	red

899.005.00 Supplied with Ø5/8”x5/32” precision guide

To be used with CMT straight router bits:
812.127.11 Straight bit Ø1/2”x1-1/4” (shank Ø1/4”)
811.627.11 Straight bit Ø1/2”x1” (shank Ø1/2”)



Through Dovetail Templates CMT300-T129



ORDER NO.	TEMPLATE LENGTH inches	DOVETAIL SIZE inches	THICKNESS inches	COLOUR
CMT300-T129	12	1/2	5/16 ~ 25/32	brown

899.004.00 Supplied with Ø7/16”x5/32” precision guide

To be used with CMT router bits:
811.081.11 Straight bit Ø5/16”x1” (shank Ø1/4”)
818.129.11 Dovetail bit Ø1/2”x13/16” (shank Ø1/4”)



Through Dovetail Templates CMT300-T190

ORDER NO.	TEMPLATE LENGTH inches	DOVETAIL SIZE inches	THICKNESS inches	COLOUR
CMT300-T190	12	3/4	19/32 ~ 1	violet

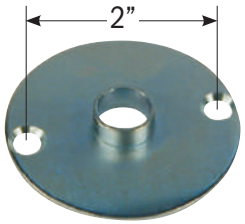
899.006.00 Supplied with Ø7/8”x5/32” precision guide

To be used with CMT router bits:
812.127.11 Straight bit Ø1/2”x1-1/4” (shank Ø1/4”)
818.190.11 Dovetail bit Ø3/4”x7/8” (shank Ø1/4”)
811.627.11 Straight bit Ø1/2”x1” (shank Ø1/2”)
818.690.11 Dovetail bit Ø3/4”x7/8” (shank Ø1/2”)



PRECISION GUIDE FOR ROUTER:

ORDER NO.	DIAMETER inches
899.003.00	5/16 x 5/32
899.004.00	7/16 x 5/32
899.005.00	5/8 x 5/32
899.006.00	7/8 x 5/32



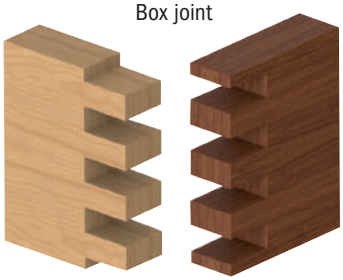
HERE ARE A FEW OF THE BEAUTIFUL DOVETAIL JOINTS YOU CAN PRODUCE USING CMT BITS

Half blind



CMT300 - T064
CMT300 - T128 (INCLUDED with CMT300)

Box joint



CMT300 - T080
CMT300 - T127

Through dovetail



CMT300 - T129
CMT300 - T190

Professional Straight Edge Clamps

CMT ORANGE TOOLS®

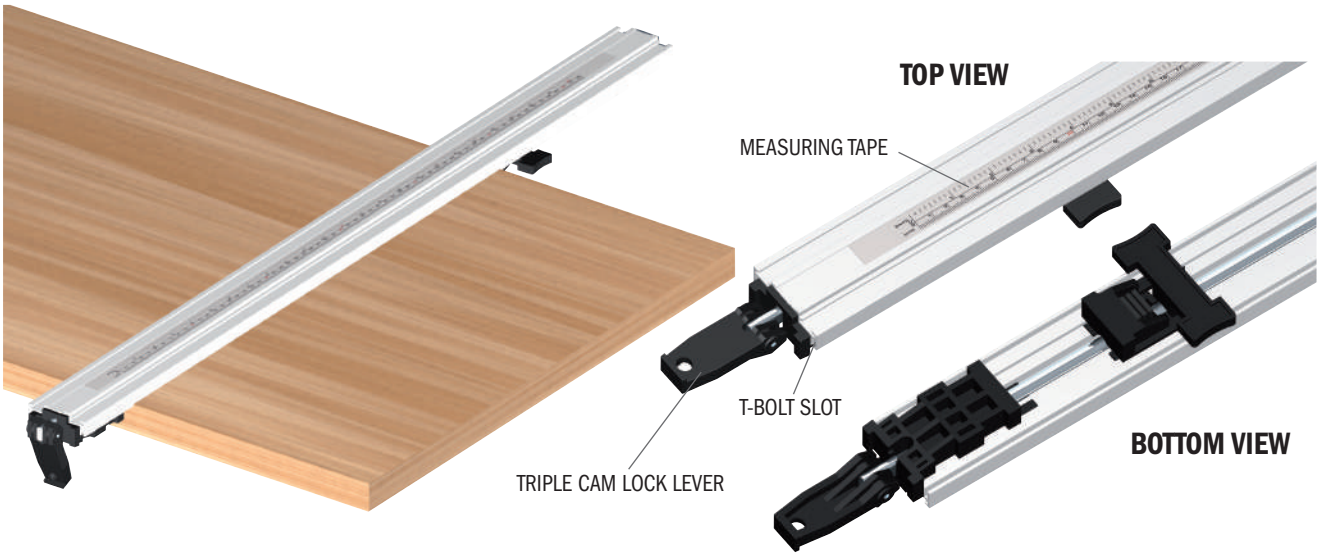
PGC

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. Use them as an edge guide, or to easily clamp your boards or any object for woodworking. Available in different sizes.

Features:
- Made of extruded aluminum 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.

ORDER NO.	DESCRIPTION
PGC-24	Professional Straight Edge Clamp 24"
PGC-36	Professional Straight Edge Clamp 36"
PGC-50	Professional Straight Edge Clamp 50"

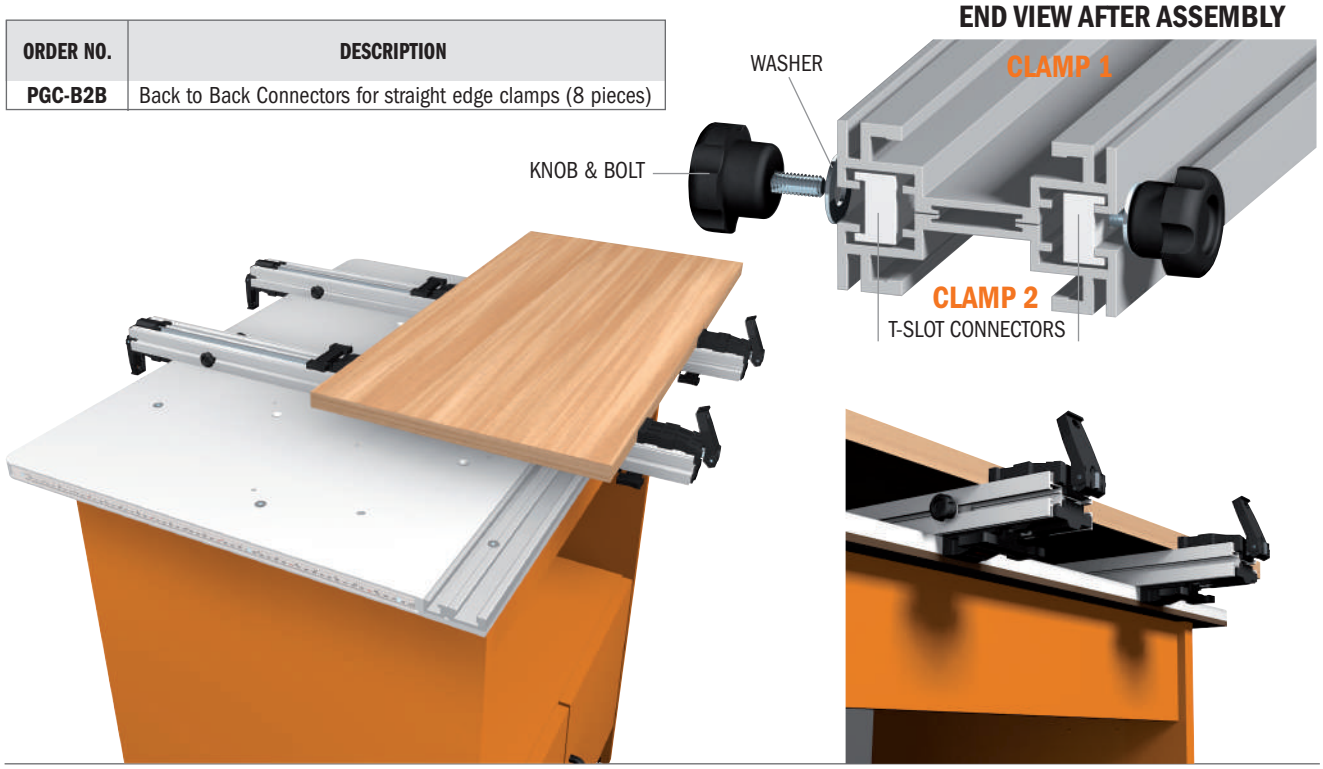
Low-profile clamps allow for accurate cuts, dados and grooves. In addition they properly work as an auxiliary fence on your drill press or router table. Sturdy jaws hold your workpiece to the full length of the clamp without any side-to-side play. Back-to-back clamps with the suitable accessories also let you manage your woodworking operations with a lot of versatility. Adjustable scale and two T-tracks allow you to use many accessories.



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.

ORDER NO.	DESCRIPTION
PGC-B2B	Back to Back Connectors for straight edge clamps (8 pieces)



Adjustable Precision Router Dado Jig

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 that's 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.



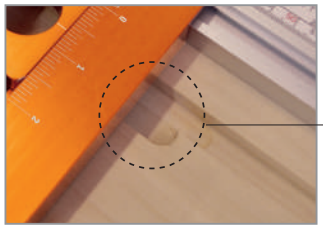
Set your cutting depth by raising or lowering the bit until desired depth is reached. Determine the starting point of the cut you wish to make by using the Dado Alignment Marks on the long sides (width) of the Adjustable Precision Router Dado Jig which indicates the outside edge of the dado cut closest to the straight edge clamp (12-10-8mm front, 1/2", 3/8", 1/4" back).



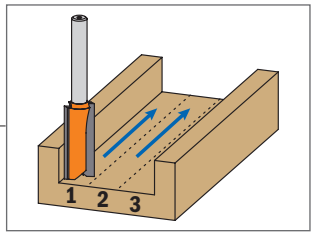
Holding onto your router in position, power on and begin making the cut by pushing forward and back on the straight edge clamp using the precision router dado jig as a guide. Makes impeccable grooves and dadoes along the length of your workpiece.

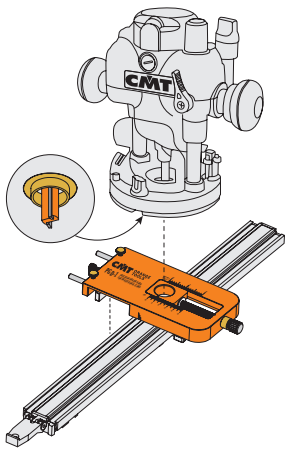


For creating dadoes that exceed router width, using the adjustable gauge, simply select the desired width on the graduated scale.



Make as many passes necessary to obtain the desired dado width.





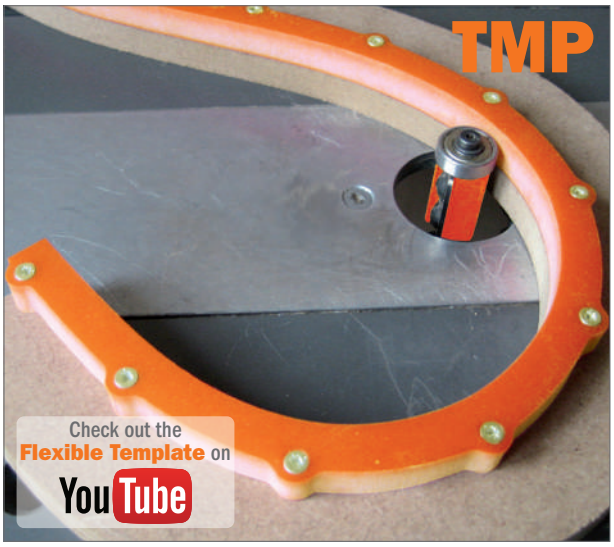
RECOMMENDED: for routers with 1-3/16" bushing guide or universal router base.

RECOMMENDED: (but not included)
PGC Straight Edge Clamp with graduated scale
(see catalog page 314)

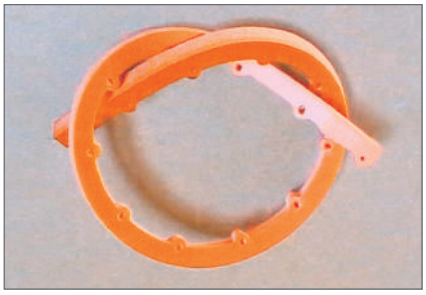
ORDER NO.	DESCRIPTION
PGD-1	Adjustable Precision Router Dado Jig

Flexible Template for Curved & Arched Routing

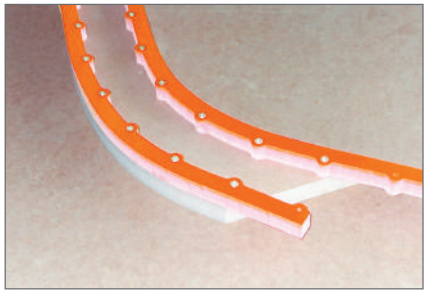
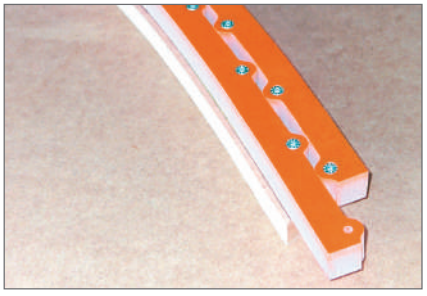
The **CMT flexible template** is easy to screw on any kind of wooden panels, MDF or chipboard for creating forms, arcs and curved elements easily and rapidly. In order to fix your **template** you can use countersunk screws, which are widely available on the market. The CMT template is made of a **highly-resistant 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 and screw it onto a previously-positioned 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.



ORDER NO.	DESCRIPTION	L inches
TMP-1000	Flexible routing template for routing 23/32" x 23/32"	47-1/4"
TMP-1200	Flexible routing template for routing 15/32" x 15/32"	47-1/4"





12 Corner Radius Router Template Set from 1/8" to 1"



TMP-R12

Our useful 3-piece corner radius template set includes 5/16" 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.

ORDER NO.	DESCRIPTION
TMP-R12	12 Corner Radius Router Template
Set contains:	
	12 different radii (3 templates)
	4 alignment pins
	4 wood screw

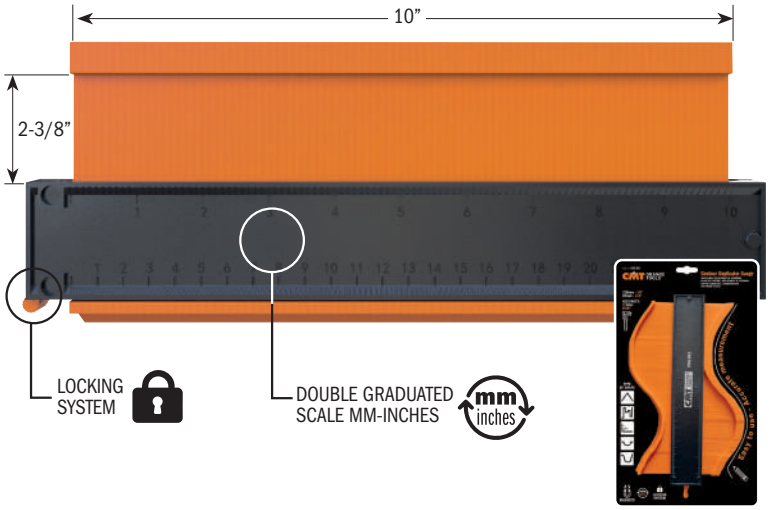
RADIUS	
inches	mm
1/8	3
3/16	5
1/4	6
5/16	8
3/8	10
7/16	11
1/2	12
9/16	14
5/8	16
3/4	19
7/8	22
1	25

Contour Duplicator Gauge

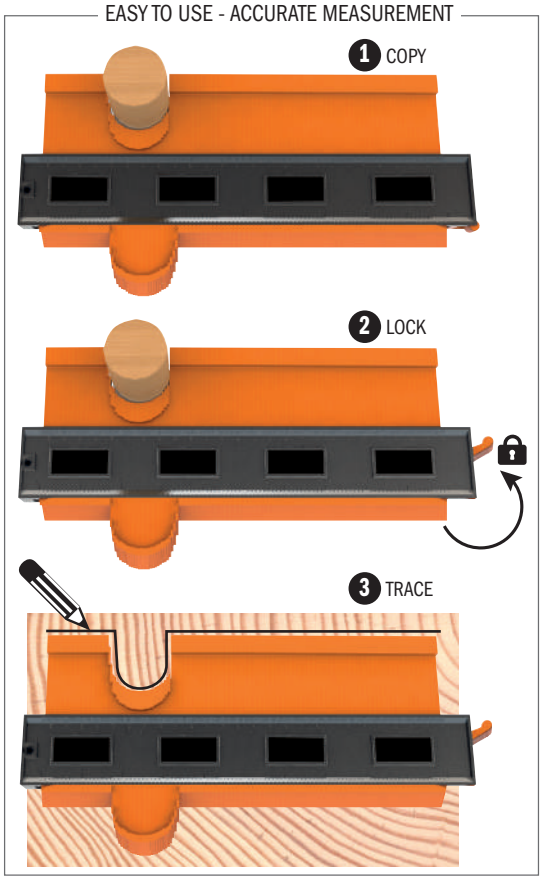
CMT ORANGE TOOLS®

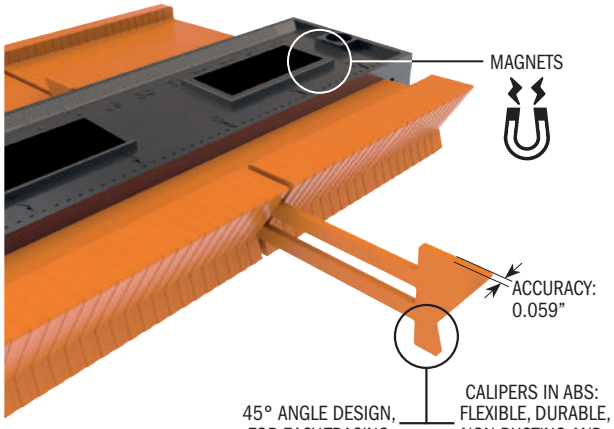
CDG-001

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!



ORDER NO.		DESCRIPTION
CDG-001	5	Contour Duplicator Gauge





TYPE OF SHAPE



Adjustable Corner Frame Clamps

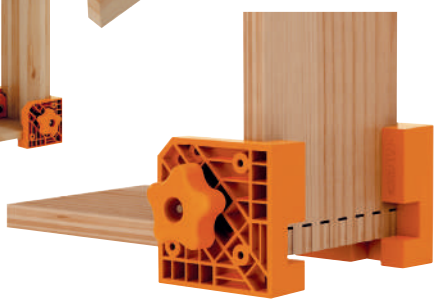
CFC-002

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.









ORDER NO.		DESCRIPTION
CFC-002	12	2 pcs. Adjustable Corner Frame Clamps 100x100x35mm

Digital Angle Gauge



Ideal for miter saws and table saws.
Precisely sets saw blade bevel angles.

DAG-001

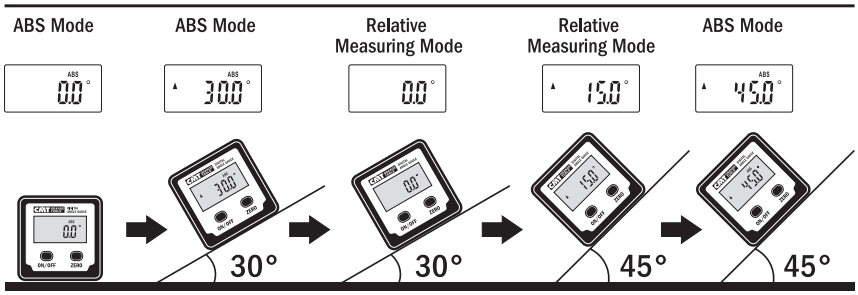
- Automatic LCD backlight.
- Large display for easy digital reading.
- Measurements in absolute or relative mode.
- Angles displayed in degrees.
- Automatic digit inversion for overhead measurements.
- Magnetic base.
- Carry Case included.
- Instruction manual.

ORDER NO.	DESCRIPTION
DAG-001	Digital Angle Gauge



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: .....2-3/8" x 2-3/8" x 1-1/8" (60 x 60 x 28mm)



Horizontal Plane

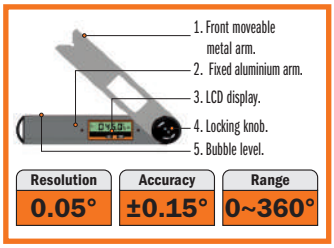
Digital Angle Finder



✓Compliant with: ANSI/US 4200A-2023

DAF-001

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.





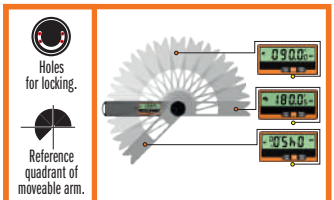
- Easy and simple to use.
- Calculates angles in seconds.
- Large detailed LCD display.
- Robust, lightweight aluminium construction.
- Instruction manual.

TECHNICAL DETAILS:

- Range:..... 0-360°
- Resolution: ..... 0.05°
- Accuracy: ..... ±0.15°
- Battery: ..... **Not Included**
- Battery Type: ... CR2032-3V; Lithium Button Cell
- Dimensions: .... 10-1/2" x 2" x 1" (268 x 50 x 25mm)

ORDER NO.	DESCRIPTION
DAF-001	Digital Angle Finder

Watch the video on YouTube



You can measure a full 360° by removing the locking knob.
Screw or unscrew the locking knob into any of the four holes on the instrument to select a different measurement range.



Lock the moveable arm at any angle, mark precisely, and cut directly.

Digital Height Gauge

CMT ORANGE TOOLS®

DHG-001



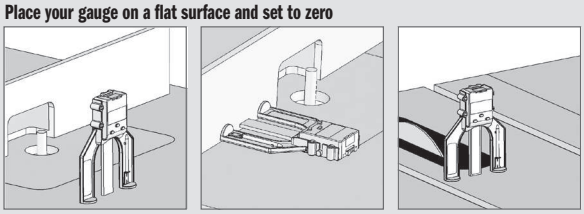
- Digital height gauge (mm/inch/fraction).
- Precise measurements for: Router bits, Saw blades, Band saw blades, Cutter heads, Drill bits, Holes depth.
- Measuring ruler with locking screw.
- Self standing with magnets.
- Depht pin to measure narrow holes or channels.
- Instruction manual.



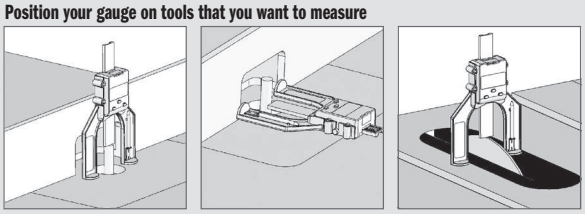
✓Compliant with:
ANSI/US 4200A-2023



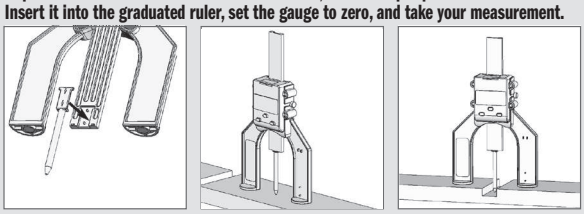
Place your gauge on a flat surface and set to zero



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: .....0~3-1/8" (0~80mm)
- Depht pin: .....0~2" (0~52mm)
- Wide opening: .....2.35" (60mm)
- Resolution: .....0.002" (0.05mm)
- Accuracy: .....±0.004" (±0.1mm)
- Battery: .....**Not Included**
- Battery Type: .....CR2032-3V; Lithium Button Cell

ORDER NO.		DESCRIPTION
DHG-001	10	Digital height gauge

Digital Moisture Meter

DMM-001

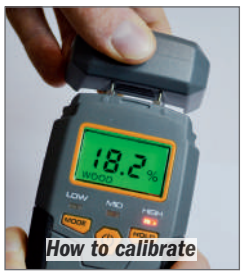




Ideal for use in woodworking, building construction and agricultural industries. The **DMM-001** is also an invaluable tool in the restoration field. Ideal for locating moisture in carpets and sub-flooring.
Ultra-sensitive Digital Moisture Meter easily detects hidden leaks in wood, concrete, plaster 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



How to calibrate





- 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: ..... 5-11/16" x 2-9/16" x 1" (145 x 65 x 25mm)
- Weight: ..... About 3oz (without battery)

ORDER NO.		DESCRIPTION
DMM-001	5	Digital Moisture Meter

Spare parts **DMM-001/1** Set 2 Pin for DMM-001

DMS-001



ORDER NO.	DESCRIPTION
DMS-001	3-piece Measurament Pack
Set contains:	
DAF-001	Digital Angle Finder
DHG-001	Digital height gauge
DAG-001	Digital Angle Gauge



DAF-001



DHG-001



DAG-001

Laminate/Veneer 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 have the cutter run 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 FEATURES:
- Cutting width: 15/32" ~ 4-21/64".
- Cutting depth: 0 ~ 5/64".
- Weight: 2.65 lbs.

ORDER NO.	DESCRIPTION
DET-003	Laminate/Veneered cutter

Spare parts: **DET-003K** Pair of cutters right-left for DET-003

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 the handle down 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 and double the lifespain. For cutting banding up to 1/64" thick with a maximum cutting width of 2-1/8". 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**.

ORDER NO.	DESCRIPTION
DET-002	Edge Banding End Trimmer

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.

ORDER NO.	DESCRIPTION
DET-001	Double-Edge Trimmer

Spare parts: **DET-001K** Spare knives for double-edge trimmer

Interchangeable Torque Wrench 20~200 Nm

CMT ORANGE TOOLS®

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

ORDER NO.	S mm		DESCRIPTION
TW-200	14x18	12	Interchangeable Torque Wrench 20~200 Nm
TW-2836	14x18	1	Hook Head Insert Ø=28-36mm (ER16 & ER20)
TW-4045	14x18	1	Hook Head Insert Ø=40-45mm (ER25)
TW-5055	14x18	1	Hook Head Insert Ø=50-55mm (ER32)
TW-5862	14x18	1	Hook Head Insert Ø=58-62mm (ER40 & EOC25)
TW-8001	14x18	1	Hook Head Insert Ø=80mm (Kinetic Dust Extractor 992)
TW-1001	14x18	1	Hook Head Insert Ø=100mm (Kinetic Dust Extractor 992)
TW-A095	14x18	5	Push Ratchet Insert S2=3/8"
TW-A127	14x18	5	Push Ratchet Insert S2=1/2"
TW-A912	14x18	50	Adapter Insert S2=9x12mm

To download this user manual in a different language, visit
www.cmtorangetools.com

Applications



The Interchangeable Torque Wrench is versatile enough for use in many fields, but we recommend it for the tightening of CMT chucks.

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

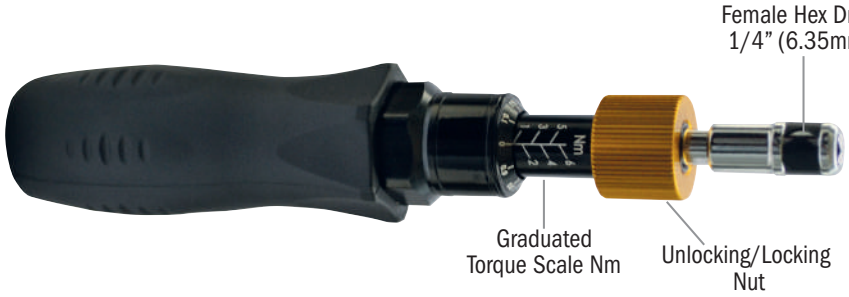
*** Suggested tightening torque for CMT Chuck/Collet**

Adjustable Torque Screwdriver Set 1~6 Nm

CMT ORANGE TOOLS®

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



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)

Set contains

- 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



ORDER NO.		DESCRIPTION
TW-006	24	Adjustable torque screwdriver set 1~6 Nm

To download this user manual in a different language, visit www.cmtorangetools.com

Applications





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 cutters heads with interchangeable knives.

Some CMT products may require the use of an extension, which is not included in the TW-006 set.

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)**

FORMULA 2050 Blade & Bit Cleaner

SAFE, EFFECTIVE AND ENVIRONMENTALLY FRIENDLY

998

Professional saw shops know that clean cutting edges run cooler, cut better and last longer. That's why we had several quality blade sharpening services test our **FORMULA 2050**. The results?
In a word, "Phenomenal!" Most blade and bit cleaning products work with a dissolving action, using nasty, powerful chemicals to dissolve wood residues and adhesives. Our safe and non-toxic **FORMULA 2050** penetrates the microscopic cracks in the resin and attacks the bond between it and the carbide or steel surfaces. The resin releases its grip and you simply wipe it off.
FORMULA 2050 keeps your tooling clean and helps you increase the time between sharpenings and replacement. Satisfaction guaranteed!



ORDER NO.	DESCRIPTION
998.001.01*	18 oz. (532 ml.) spray bottle
998.001.03	1 gal. (3.78 l) plastic jug
998.001.04	5 gal. (18.9 l) plastic bucket

***12 bottles minimum and multiple**

★★★★★ ***This product received a five-star performance rating from "Wood Magazine®"***

- Removes pitch, resin, and other sticky residues from all wood cutting tools (circular saw blades, router bits, drill bits, knives, planer blades, etc.).
- 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.
- Prolonged use may cause damage to special coating treatments applied to aluminium tool surfaces. Use with caution.

Organizers

03.51

Hold up to 100 bits!
When you're working on a project you need your tools organized and close at hand. CMT's Bit Organizer is the perfect solution. This handy molded tray conveniently holds up to 100 router, drill or boring bits. By using our interchangeable bushings, the Organizer will accept any shank diameter. Order bushings from the chart below.





ORDER NO.	DESCRIPTION
03.51.0106	Bit organizer (without bushings)
03.51.0047A	Interchangeable bushings for 1/4" shanks (20 pieces)
03.51.0057A	Interchangeable bushings for 3/8" shanks (20 pieces)
03.51.0058A	Interchangeable bushings for 10mm shanks (20 pieces)
03.51.0049A	Interchangeable bushings for 1/2" shanks (20 pieces)

® Brand names mentioned in CMT products are the property of their respective owners (see page 376)

Bench Block Set

BBS-001

These blocks are great for holding your workpiece without any clamps. Their anti-slip surface grips both your bench top and the underside of your workpiece. Raise your work above the bench and benefit from the clearance it provides for your router bits, cutters, etc.

Length: 3" - Width: 2" - Height: 1"





ORDER NO.	DESCRIPTION
BBS-001	Bench Block Set (4pcs.) 3"x2"x1"

Carpenter Pencil & Ink Pen

PCL-1

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.



ORDER NO.		DESCRIPTION
PCL-1	50	Carpenter Pencil
PCL-2	50	CMT Ink Pen

PCL-2

A classic black ink pen with great features: ball point style for smooth fluid writing on the job, even on an angle, easy click open and close, sturdy metal pocket clip to keep it in place and our bright orange colour for better visibility.



Latex Coated Gloves

CMT ORANGE TOOLS®

GLA

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!





ORDER NO.		DESCRIPTION
GLA-08M	25	Latex coated gloves M (8)
GLA-09L	25	Latex coated gloves L (9)
GLA-10XL	25	Latex coated gloves XL (10)

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

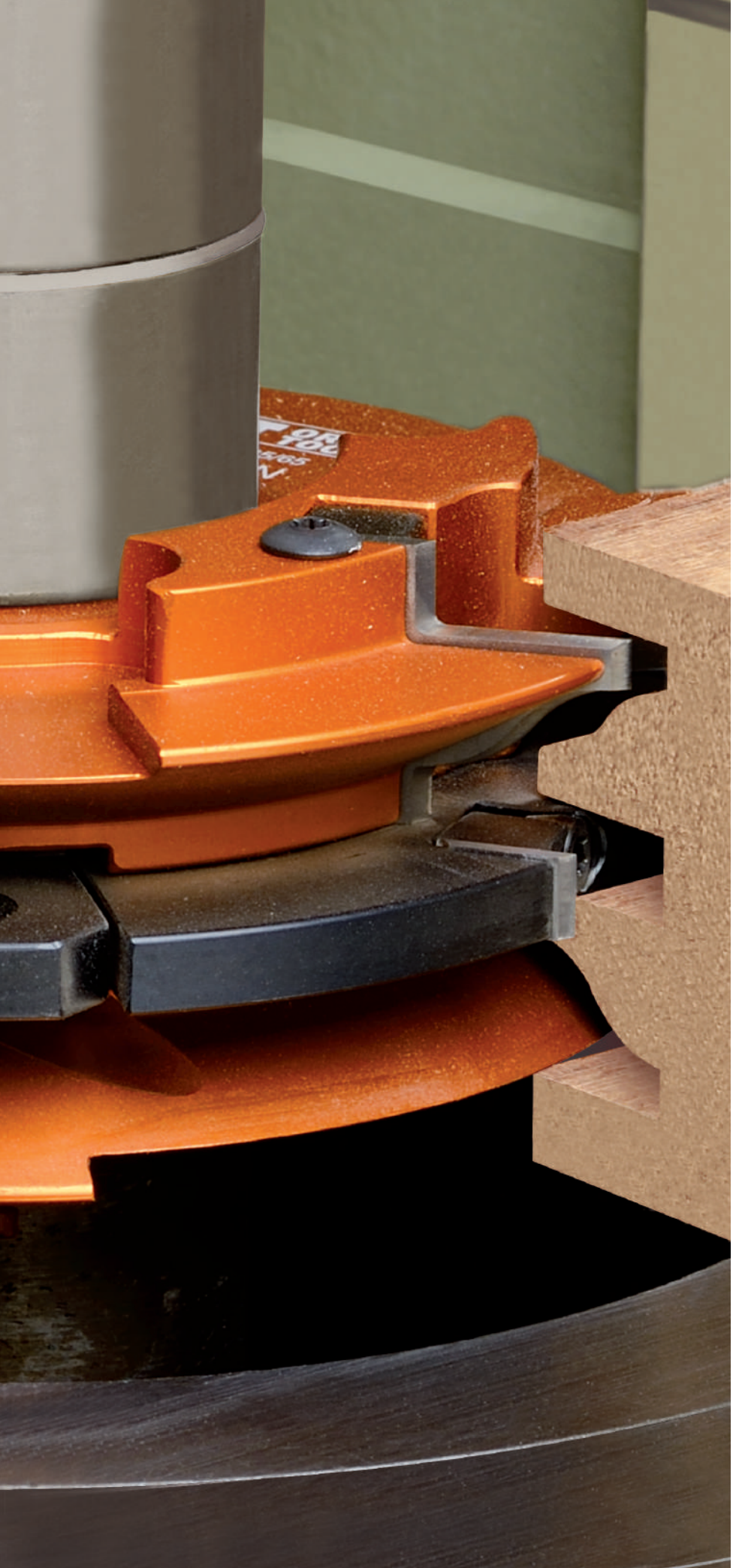
ORDER NO.		DESCRIPTION
BAG-001	12	CMT Professional Tool Bag





5 rubber studs at bottom





CUTTER HEADS, INSERT KNIVES & SPARE PARTS

PRODUCTS	PAGE
Rabbeting Cutter Heads with Shear Angle	328
Adjustable Grooving Cutter Heads Sets	329-330
Adjustable Rounding & Chamfering Sets	331
45° Chamfer Cutter Heads	332
Multiradius Roundover Cutter Heads	333-334
Multiradius Roundover & Cove Cutter Heads	335
Reverse Glue Joint Cutter Heads	336
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Professional Finger Joint Cutter Heads	338
Professional Raised Panel Cutter Heads	339
Profile & Counter Profile Cutter Head Sets	340-341
Rail & Stile Cutter Heads	342
Cutter Heads without Limiters	343
13-piece Multiprofile Cutter Heads without Limiters	344
40mm Profile Knives for the Insert Shaper System	345~354
50mm Profile Knives for the Insert Shaper System	355~357
Planer & Jointer Knives and Setting Jigs	358
Solid Carbide Insert Knives for Portable Planers	359~361
General Spare Parts & Accessoires	362~364

CMT XTREME BALANCING®



694.100

INSERT CARBIDE | MAN | UP DOWN | T2 | V4

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 aluminum alloy body with high resistance to tensile and yield stress.
- 2 universal Solid Carbide straight knives 50x12x1.5mm [T2], 1 up cut - 1 down cut.
- 4 universal Solid Carbide scoring knives 14x14x2mm [V4].
- Tools for manual feed (MAN).
- Pins for automatic positioning of the knives.

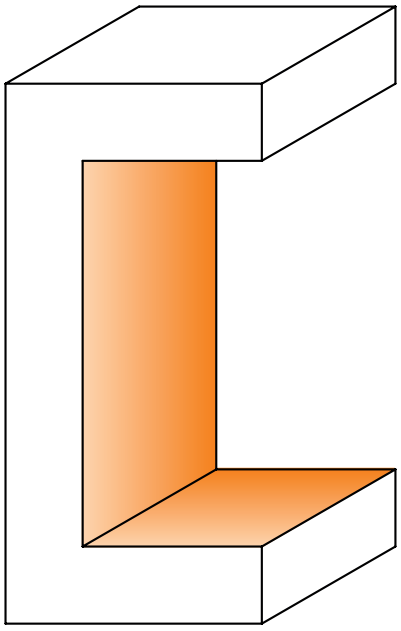
SAFETY TIPS:



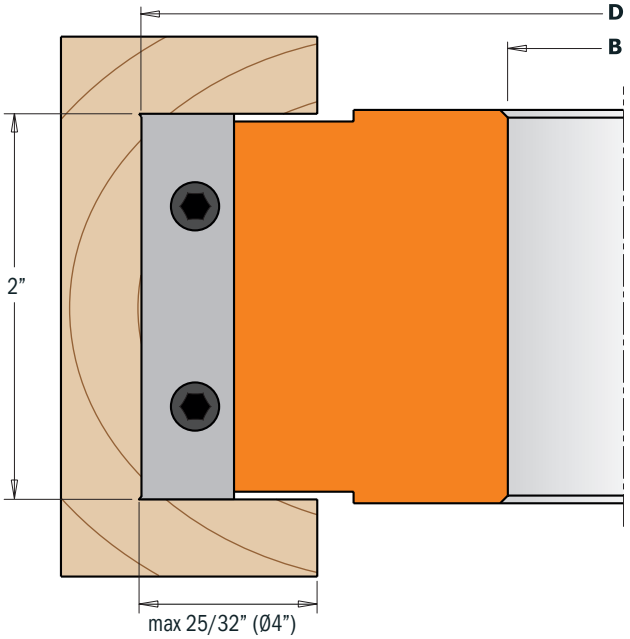
The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 323).



Supplied in a sturdy plastic carry case



Drawing is 1:1 scale



ORDER NO.		D inches	D mm	B inches	B mm	RPM
694.100.19	1	4	100	3/4	19.05	7500~12500
694.100.31	1	4	100	1-1/4	31.75	7500~12500

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

*Minimum 10 pieces or multiple



694.001

INSERT CARBIDE | MAN | T4 | V4

These cutter heads are the ideal tools to create precision slots and grooves 5/32" to 19/32" in depth. These sets include:
- 2 cutter heads type **(A)** [T4 + V4]
- 1 cutter head type **(B)** [T2]
- 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.

TECHNICAL DETAILS:
- Super-strength steel body.
- 2 Solid Carbide Knives 7.65x12x1.5mm [T2].
- 4 Solid Carbide Knives 18x18x1.95mm [T4].
- 4 Solid Carbide Knives 14x14x1.2mm [V4].
- Tools for manual feed (MAN).
- Pins for automatic positioning of the knives.

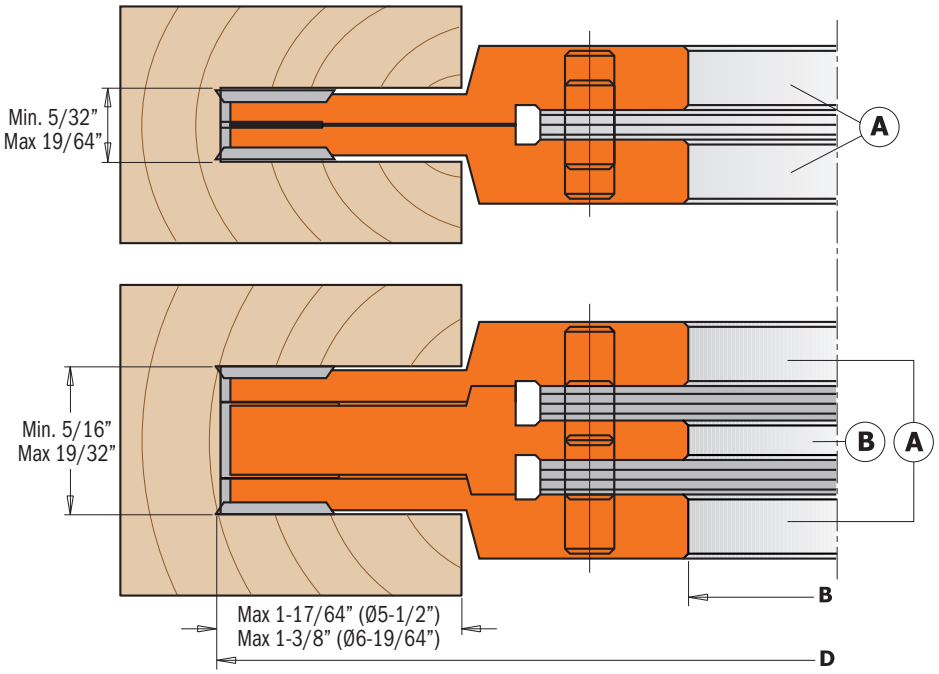
SAFETY TIPS:

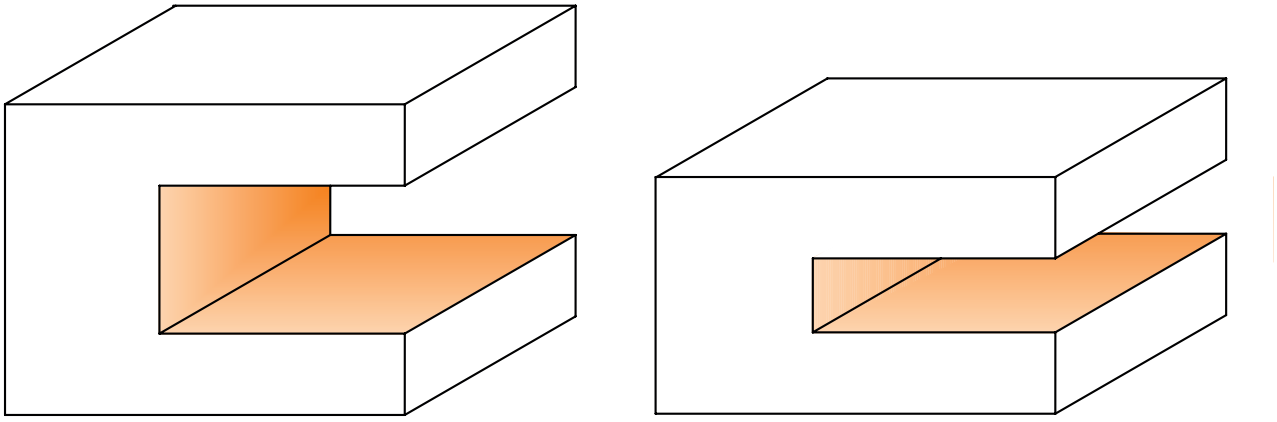


The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 323).



Supplied in a sturdy plastic carry case





Drawing is 1:1 scale

ORDER NO.		D inches	D mm	B inches	B mm	RPM
694.001.31	1	5-1/2	140	1-1/4	31.75	5500~9500

Spare parts

790.181.00*	790.140.10*	790.076.00*	695.998.22

*Minimum 10 pieces or multiple

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

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694.021 - 694.022

These cutter heads are the perfect tools to create precision slots and grooves 9/16" to 1-35/64" in depth. This set includes:
- 1 cutter head type **(A)** [T2+V2]
- 1 cutter head type **(B)** [T2+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.

TECHNICAL DETAILS:
- Super-strength hard aluminum alloy body.
- **694.021**: 8 Solid Carbide knives 13.6x13.6x2mm.
- **694.022**: 4 Solid Carbide knives 19.5x12x1.5mm. 4 Solid Carbide knives 14x14x2mm.
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

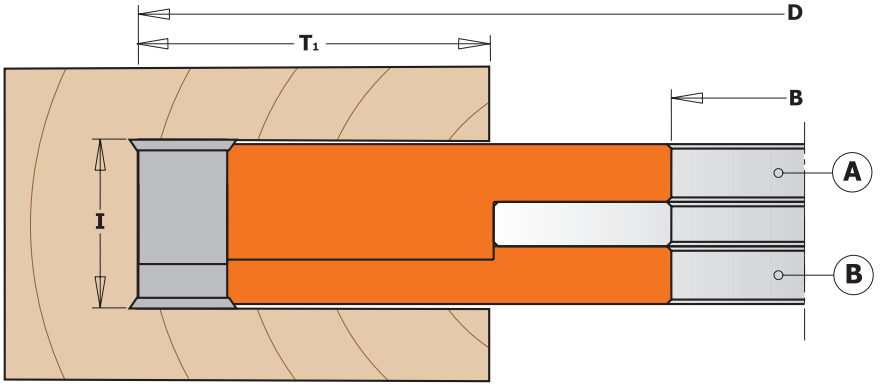
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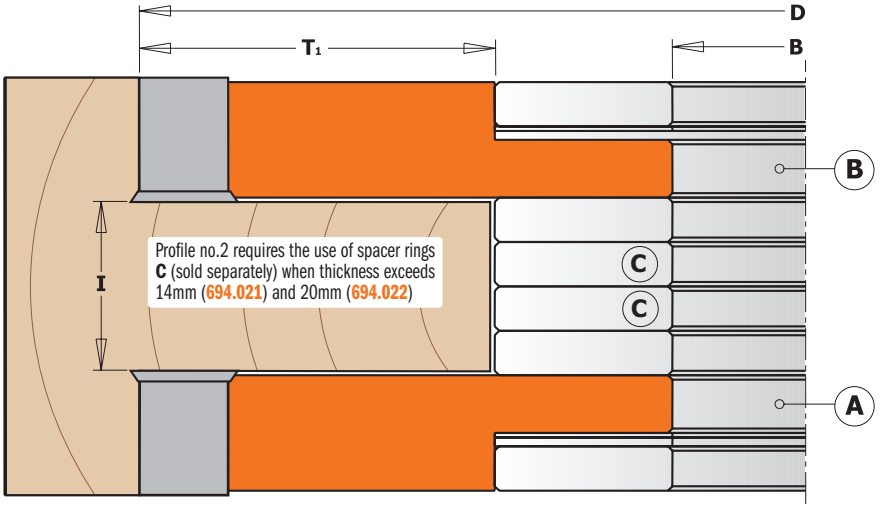


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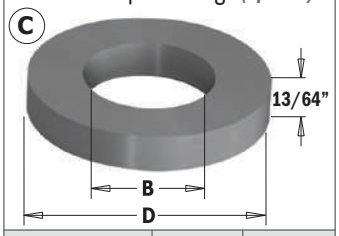


Supplied in a sturdy plastic carry case

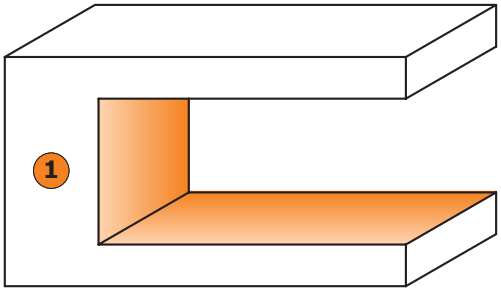


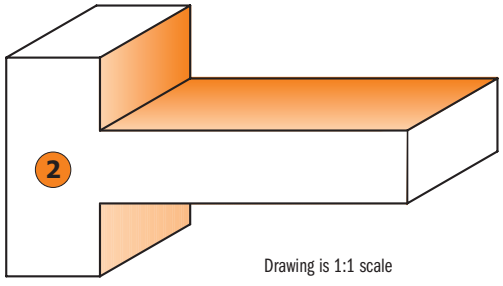


299 Spacer Rings *(Optional)*



ORDER NO.	B inches	D inches
299.560.31	1-1/4	2-3/8





Drawing is 1:1 scale

ORDER NO.		D inches	D mm	B inches	B mm	I mm	T_1 mm	RPM
694.021.31	1	5-29/32	150	1-1/4	31.75	14-27	44	5000~8000
694.022.31	1	6-45/64	170	1-1/4	31.75	20-39	54	4400~7400

Spare parts

790.136.00*	990.093.00			695.998.42
790.140.00*	990.093.00	790.195.12*	990.094.00	695.998.47

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

*Minimum 10 pieces or multiple

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Supplied in a sturdy plastic carry case

694.005

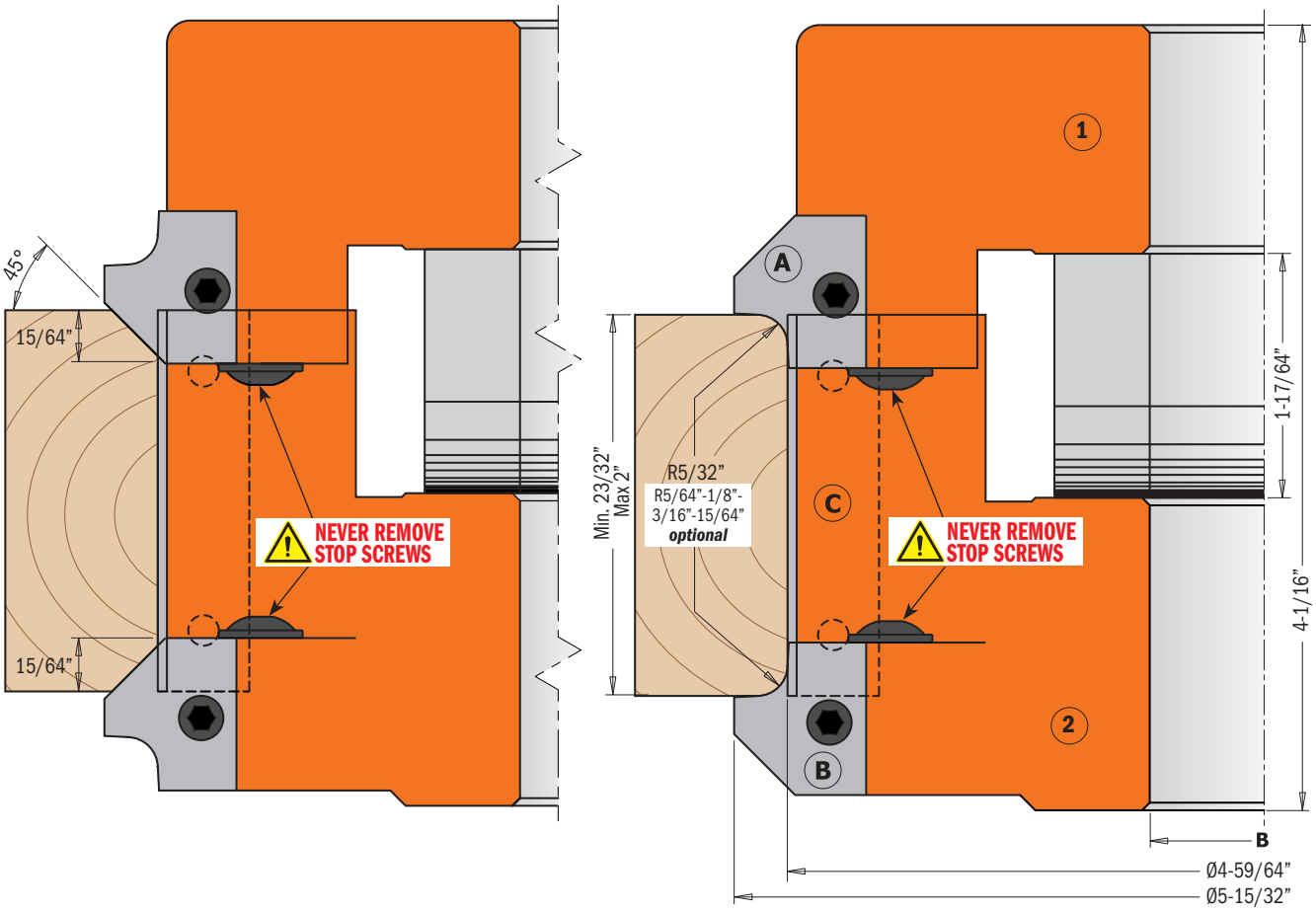
The CMT adjustable rounding and chamfering set consists of two pieces for easy to set up on your splindle moulder machine. Includes five different knives for rounding over top and bottom edges in one single pass with a radius of 5/64", 1/8", 5/32", 3/16" and 15/64" and for 45° chamfering on material 18mm to 50mm in thickness.
The improved design with shear angle guarantees perfect finishing!
For use on spindle moulder machines.

TECHNICAL DETAILS:
- Hard aluminum alloy body with high resistance to tensile and yield stress.
- One pair of Solid Carbide top knives **(A)** radius 5/32" and 45° chamfer (20x20.5x2mm) [T2].
- One pair of Solid Carbide bottom knives **(B)** radius 5/32" and 45° chamfer (20x20.5x2mm) [T2].
- Two Solid Carbide 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 323).



ORDER NO.		D inches	D mm	B inches	B mm	RPM
694.005.31	1	5-15/32	139	1-1/4	31.75	5500~9400

Spare parts

17x11x9.5mm	46x11x9.5mm		
695.999.17	695.999.46	990.064.00	695.998.12

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

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





Supplied in a sturdy plastic carry case

694.002

INSERT CARBIDE | MAN | T2

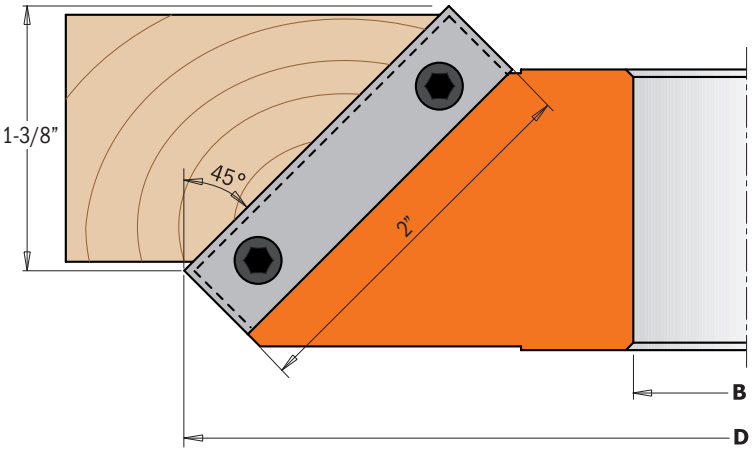
CMT chamfer cutter heads carry out clean accurate bevels and joints for excellent edge work.
For use on spindle moulder machines, moulder, double-end tenoners, edge banding machines.
Suitable for all materials, but ideal on hardwood, plywood and laminated panels.

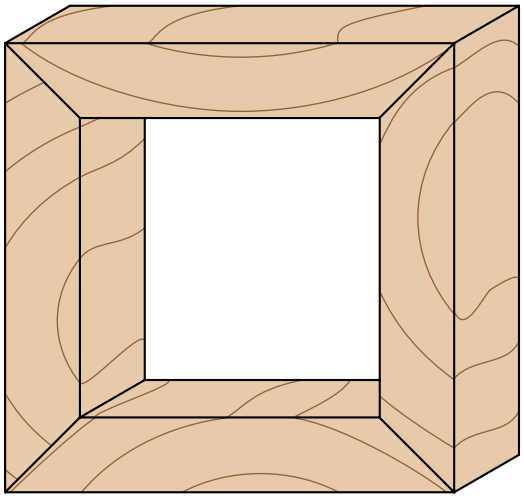
TECHNICAL DETAILS:
- Hard aluminum alloy body with high resistance to tensile and yield stress.
- 2 Solid Carbide Knives 50x12x15mm [T2].
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives

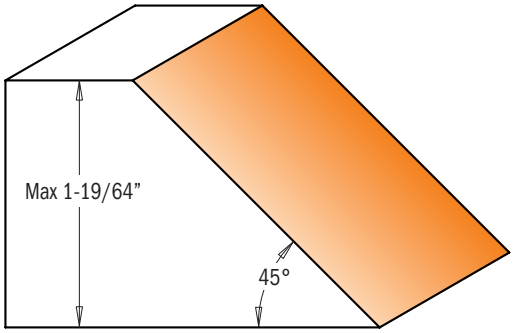
SAFETY TIPS:



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 323).







Drawing is 1:1 scale

ORDER NO.		D inches	D mm	B inches	B mm	RPM
694.002.31	1	5-29/32	150	1-1/4	31.75	5100~8800

Spare parts

790.500.00*	695.999.42	990.064.00	991.064.00

790.500.00 are supplied in 10-piece pack or multiple





Supplied in a sturdy plastic carry case

694.004

INSERT CARBIDE | MAN | T2

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.

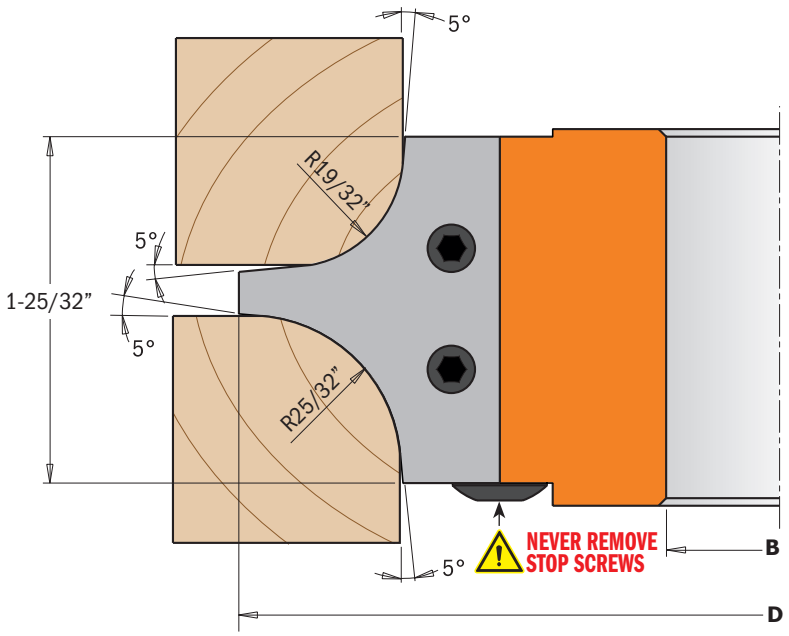
TECHNICAL DETAILS:
- Hard aluminum alloy body with high resistance to tensile and yield stress.
- 2 Solid Carbide knives radius 15/20mm (45x34.5x2mm) [T2].
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

SAFETY TIPS:

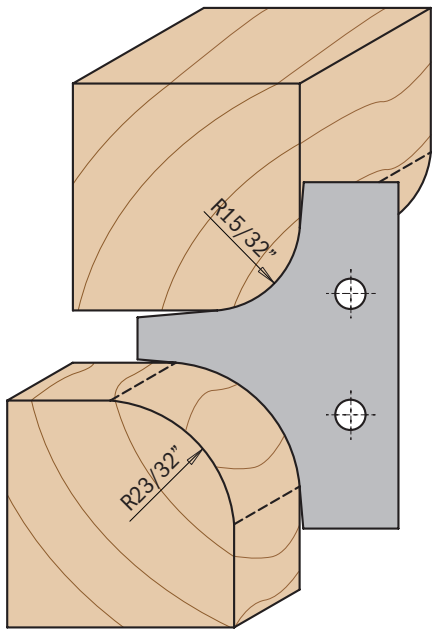


The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 323).

Standard Pair of knives **695.004.15**



Optional



Drawing is 1:1 scale

Pair of knives **695.004.12**

ORDER NO.		D inches	D mm	B inches	B mm	RPM
694.004.31	1	5-13/64	132	1-1/4	31.75	5700~9500

Optional: **695.004.12** R=15/32" and 23/32" (45x34.5x2mm) pair of profiled knives

Spare parts

x2			
695.004.15	695.999.42	990.064.00	991.064.00





Supplied in a sturdy plastic carry case

694.003

INSERT CARBIDE | MAN | T2

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 aluminum alloy body with high resistance to tensile and yield stress.
- 2 Solid Carbide knives radius 5/10mm (25x24.8x2mm) [T2].
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

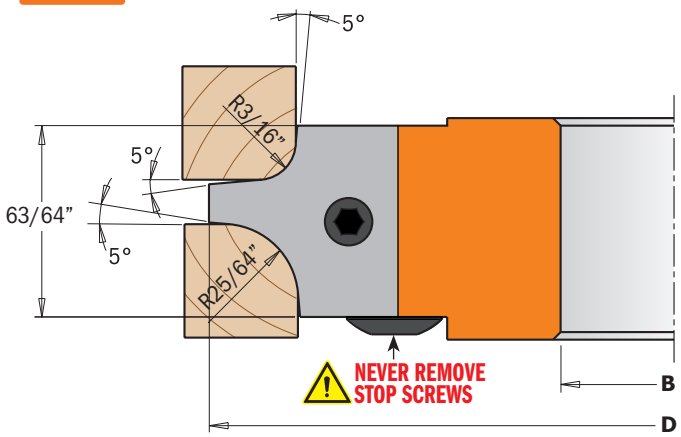
SAFETY TIPS:



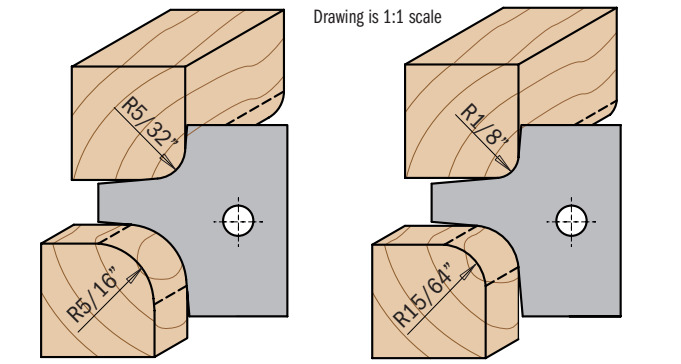
The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 323).

Standard

Pair of knives **695.003.05**



Optional



Pair of knives **695.003.04**

Pair of knives **695.003.03**

ORDER NO.		D inches	D mm	B inches	B mm	RPM
694.003.31	1	4-29/64	113	1-1/4	31.75	6700~11000

Spare parts

x2			
695.003.05	695.999.22	990.064.00	991.064.00

Optional: **695.003.04** Pair of profiled knives R=5/32" and 5/16" (25x24.8x2mm)
695.003.03 Pair of profiled knives R=1/8" and 15/64" (25x24.8x2mm)





Supplied in a sturdy plastic carry case

694.007

INSERT CARBIDE | MAN | T2

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 radii 25/64", 15/32" and 19/32". **For use on spindle moulder machines, moulder and shaping machines.** Suitable for all materials, but ideal on solid wood and panel materials.

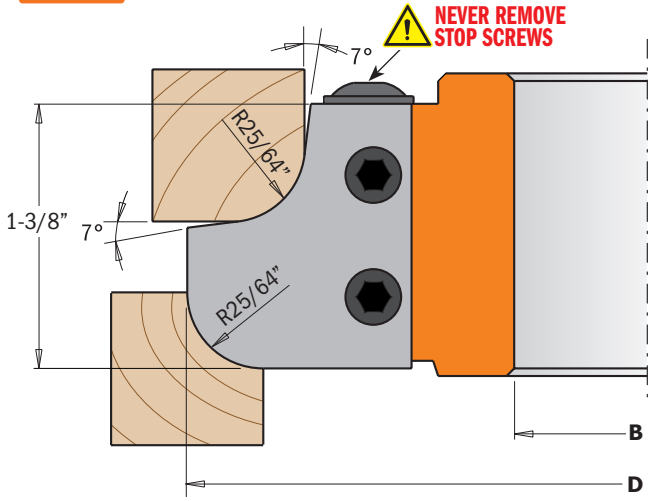
TECHNICAL DETAILS:
- Hard aluminum alloy body with high resistance to tensile and yield stress.
- 2 Solid Carbide knives radius 25/64" (34.8x29.3x2mm) [T2].
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

SAFETY TIPS:

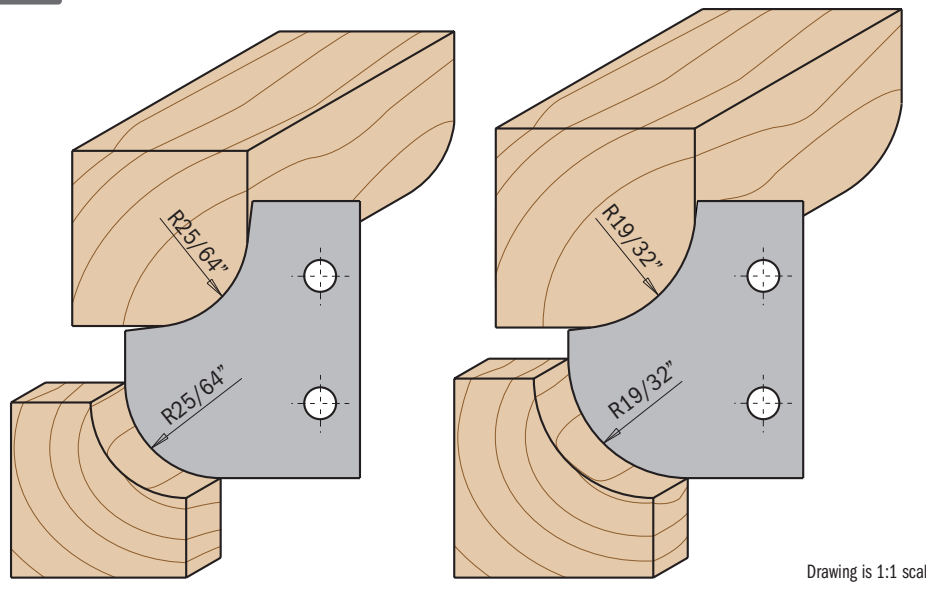


The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 323).

Standard — Pair of knives **695.007.10**



Optional — Pair of knives **695.007.12** — Pair of knives **695.007.15**



ORDER NO.		D inches	D mm	B inches	B mm	RPM
694.007.31	1	4-3/4	121	1-1/4	31.75	6300~10500

Spare parts

x2			
695.007.10	695.999.31	990.064.00	991.064.00

Optional: **695.007.12** Pair of roundover/cove knives R=25/64" (34.8x29.3x2mm)
695.007.15 Pair of roundover/cove knives R=19/32" (34.8x29.3x2mm)



694.009

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 aluminum alloy body with high resistance to tensile and yield stress.
- 2 Solid Carbide knives 40x18x2mm [T2].
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

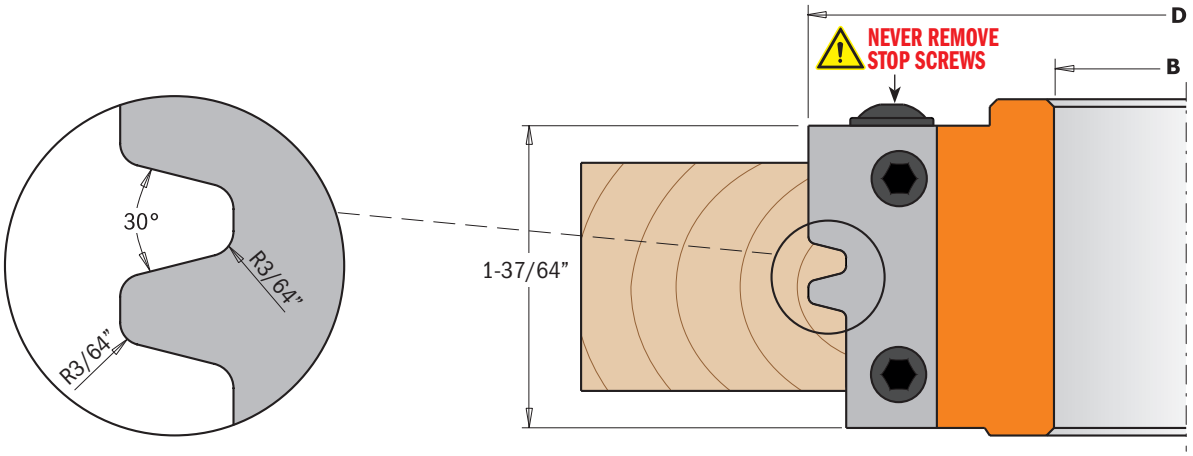


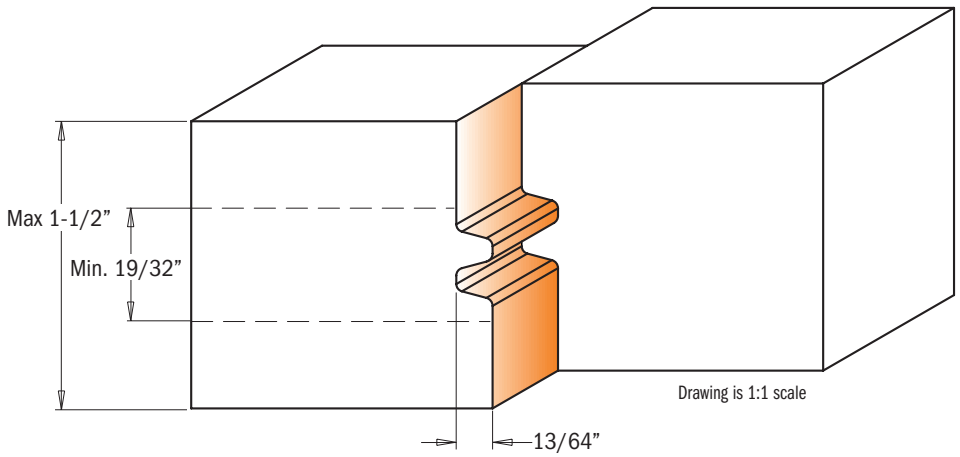
Supplied in a sturdy plastic carry case

SAFETY TIPS:



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 323).





ORDER NO.		D inches	D mm	B inches	B mm	RPM
694.009.31	1	4	100	1-1/4	31.75	7500~12500

Spare parts

x2			
695.009.01	695.999.38	990.064.00	991.064.00





Supplied in a sturdy plastic carry case

694.011

INSERT CARBIDE | MAN | T2

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.

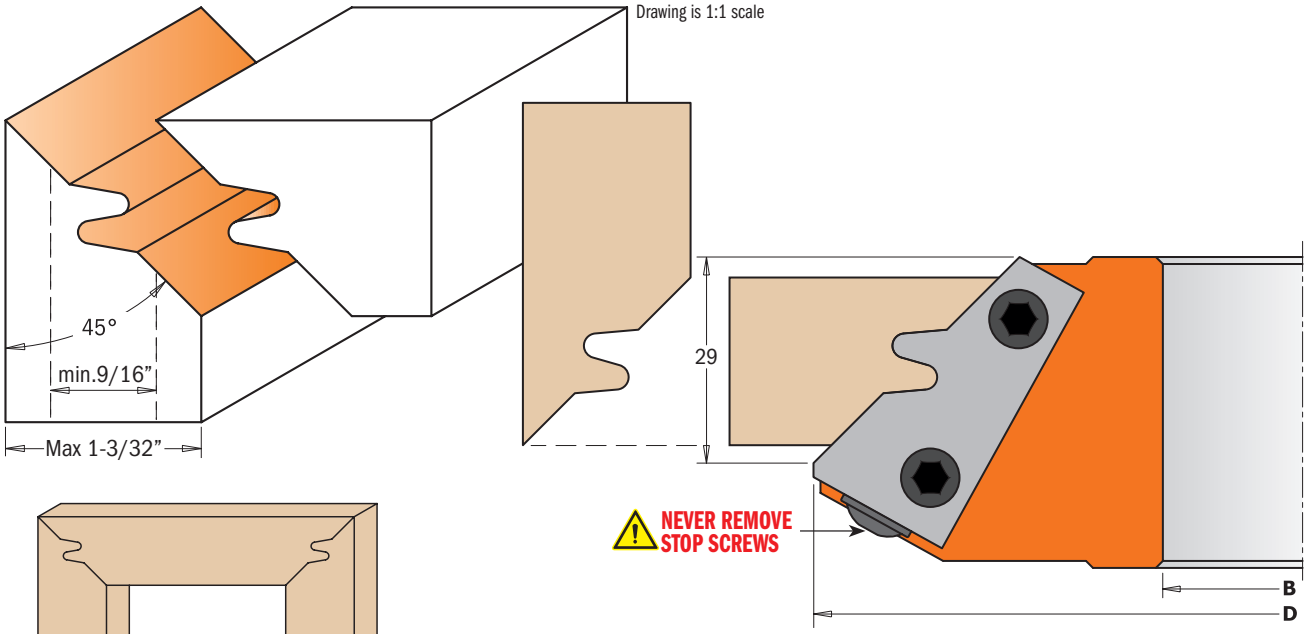
TECHNICAL DETAILS:
- Hard aluminum alloy body with high resistance to tensile and yield stress.
- 2 Solid Carbide knives 43x23x2mm [T2].
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

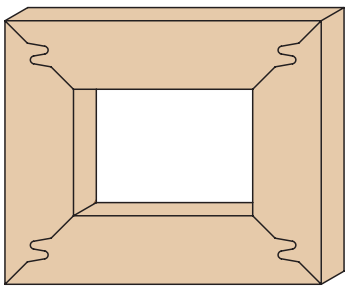
SAFETY TIPS:

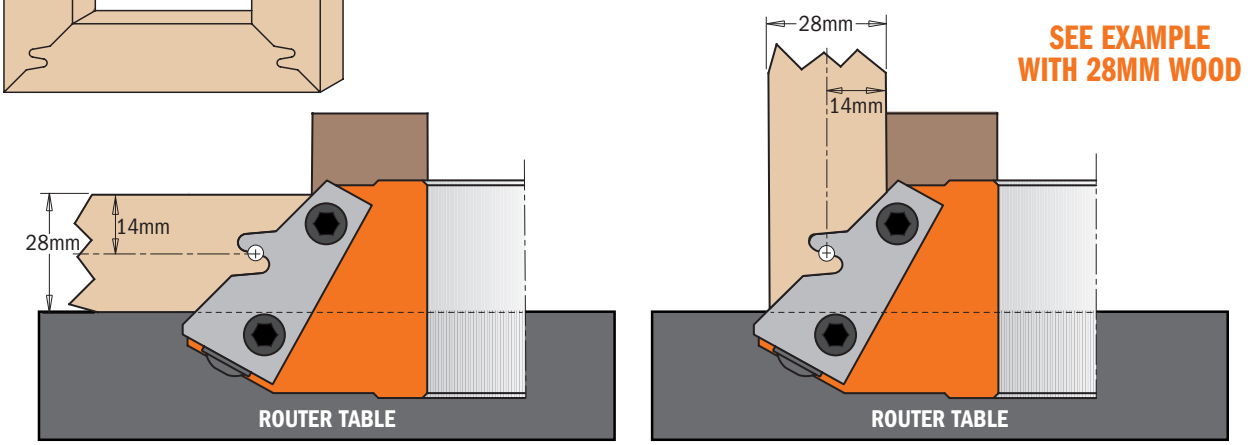


The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 323).

Drawing is 1:1 scale







SEE EXAMPLE WITH 28MM WOOD

ORDER NO.		D inches	D mm	B inches	B mm	RPM
694.011.31	1	5-1/2	140	1-1/4	31.75	5500~9500

Spare parts

x2			
695.011.01	695.999.42	990.064.00	991.064.00



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 aluminum alloy body with high resistance to tensile and yield stress.
- 2 Solid Carbide knives 49.6x11.9x1.5mm [T2].
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

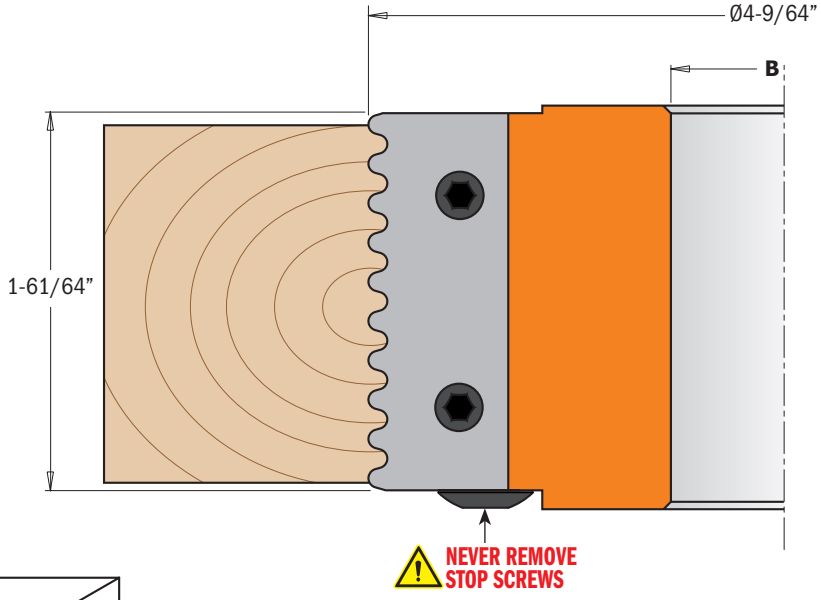
SAFETY TIPS:

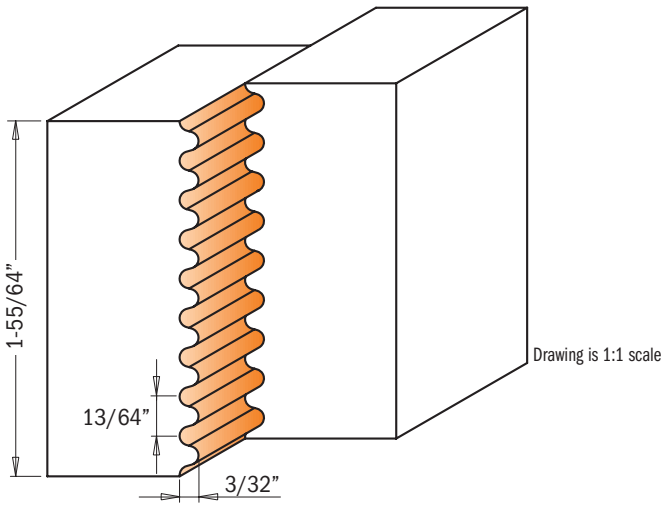


The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 323).



Supplied in a sturdy plastic carry case





ORDER NO.		D inches	D mm	B inches	B mm	RPM
694.008.31	1	4-9/64	105	1-1/4	31.75	7300~11500

Spare parts

x2			
695.008.01	695.999.49	990.066.00	991.067.00

Optional: **695.998.2631** Guide ring with bore 1-1/4”





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.

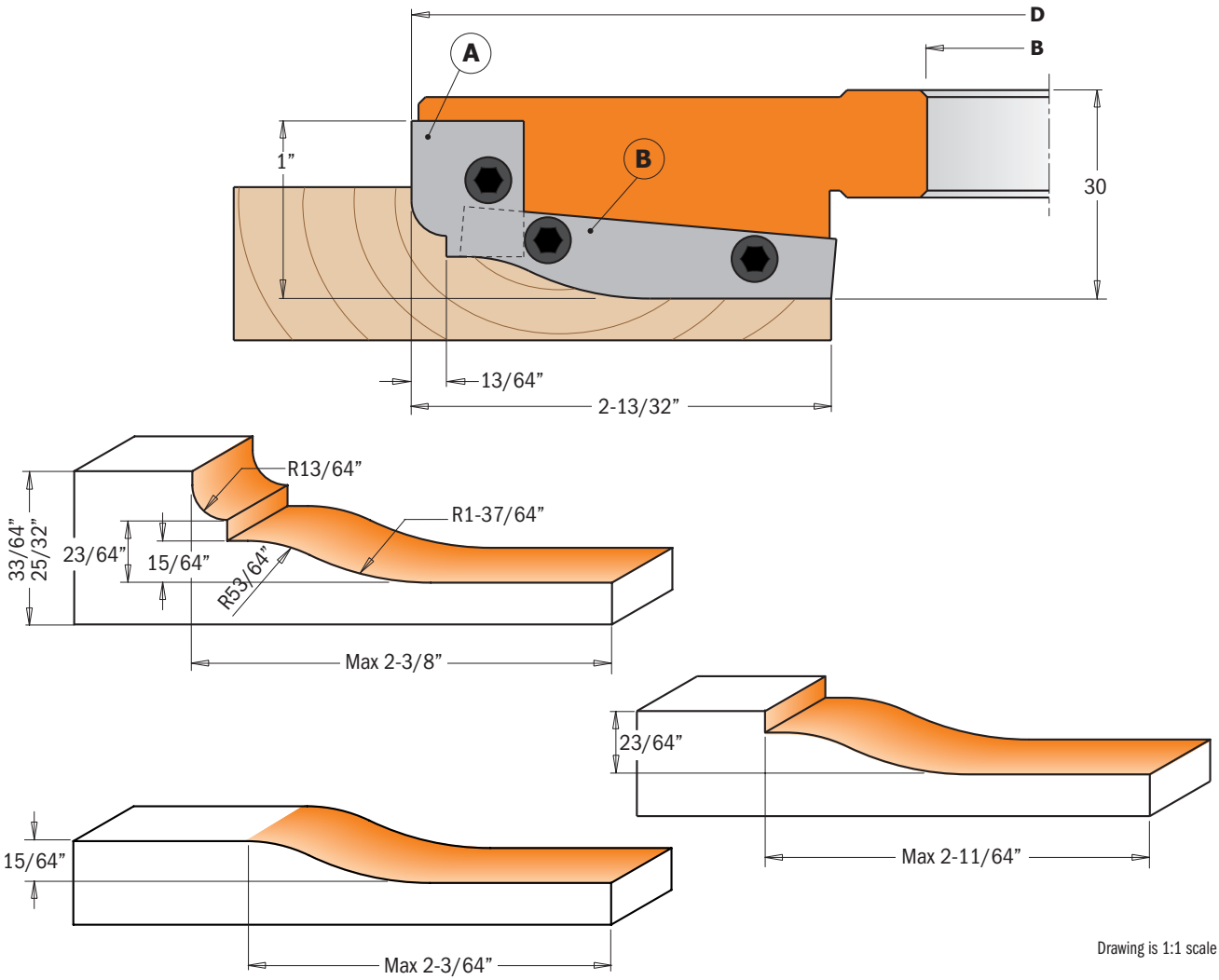
TECHNICAL DETAILS:

- Hard aluminum alloy body with high resistance to tensile and yield stress.
- 2 Solid Carbide Knives type **(A)** 19.8x11.9x1.5mm [T2].
- 2 Solid Carbide Knives type **(B)** 60x11.9x1.5mm [T2].
- 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 323).



Drawing is 1:1 scale

ORDER NO.		D		B		RPM
		inches	mm	inches	mm	
694.013.31	1	7-13/64	183	1-1/4	31.75	4100~7000

Spare parts: **991.083.00** Hex key 3x90x135mm

Spare parts

x2	16x11x9,5mm	x2	53x11x9,5mm	
695.013.A1	695.999.16	695.013.A2	695.999.53	990.066.00



694.015

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 8mm 15mm. For use on spindle moulders and moulder machines. Perfect on hard wood and panels maximum 22 - 25mm in thickness.

TECHNICAL DETAILS:

- Hard aluminum alloy body with high resistance to tensile and yield stress for cutter heads **(1 & 2)**.
- Super-strength steel body for cutter head (3).
- 2 Solid Carbide knives type **(A1)** 25x29.8x2mm [T2].
- 2 Solid Carbide knives type **(A2)** 25x29.8x2mm [T2].
- 4 Solid Carbide knives 7.65x12x1.5mm [T4].
- 4 Solid Carbide knives 14x14x2m 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.

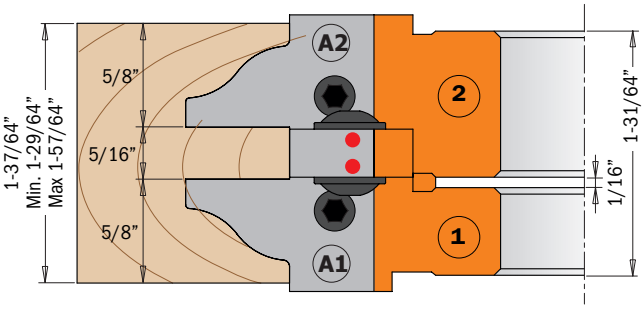


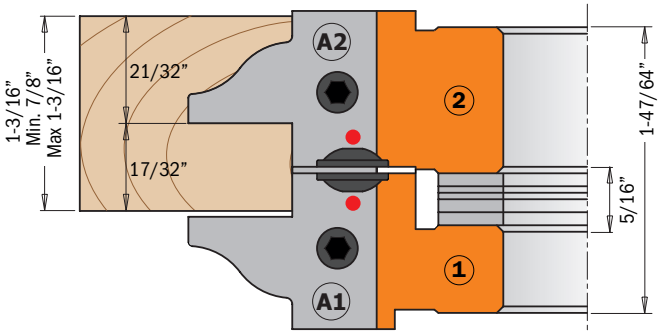
Supplied in a sturdy plastic carry case

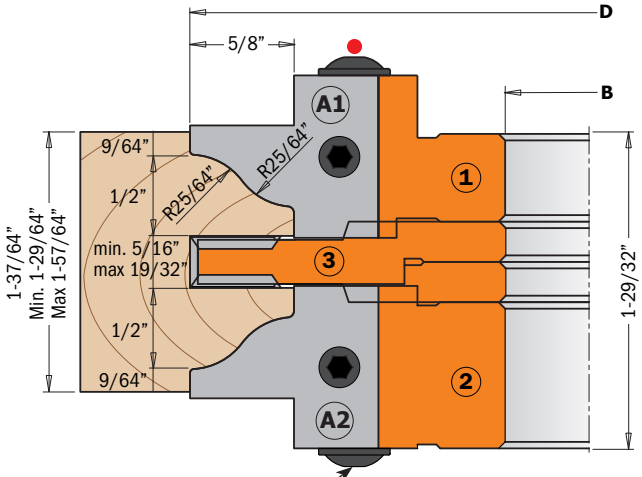
SAFETY TIPS:



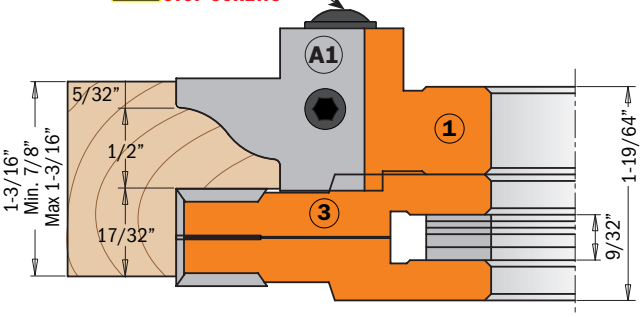
The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 323).







NEVER REMOVE STOP SCREWS



ORDER NO.		D inches	D mm	B inches	B mm	RPM
694.015.31	1	5-13/64	132	1-1/4	31.75	5700~9500

Spare parts

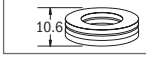


695.998.02



695.998.22

Optional



695.998.31

Spare parts:

Head type (1)

695.015.A1 Pair of knives solid carbide (A1) 25x29.8x2mm
695.015.B1 Pair of knives solid carbide (B1) 25x29.8x2mm
695.015.C1 Pair of knives solid carbide (C1) 25x29.8x2mm
695.015.D1 Pair of knives solid carbide (D1) 25x29.8x2mm
695.015.E1 Pair of knives solid carbide (E1) 25x29.8x2mm
695.999.23 Wedge for knives 23x11x9.5mm
990.066.00 Screw M6x16mm
991.067.00 Hex key 3mm

Head type (2)

695.015.A2 Pair of knives solid carbide (A2) 25x29.8x2mm
695.015.B2 Pair of knives solid carbide (B2) 25x29.8x2mm
695.015.C2 Pair of knives solid carbide (C2) 25x29.8x2mm
695.015.D2 Pair of knives solid carbide (D2) 25x29.8x2mm
695.015.E2 Pair of knives solid carbide (E2) 25x29.8x2mm
695.999.24 Wedge for knives 23x11x9.5mm
990.066.00 Screw M6x16mm
991.067.00 Hex key 3mm

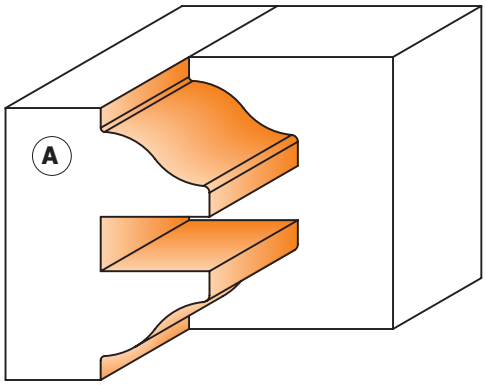
Head type (3)

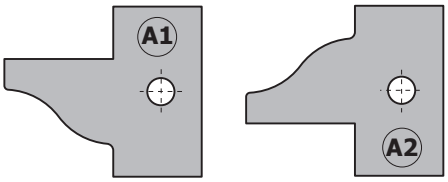
790.076.00* Solid carbide knives 7.65x12x1.5mm
695.999.07 Wedge for knives 6.8x11x9.5mm
990.063.00 Screw M5x18mm
991.072.00 Hex key T20 Hex key
790.140.00* Solid carbide Knives 14x14x2mm
990.080.00 Screw M5x6,5mm
991.073.00 Hex key T25

*Minimum 10 pieces or multiple

Standard

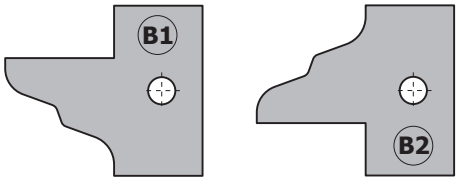
Pair of knives **695.015.A1** - Pair of knives **695.015.A2**

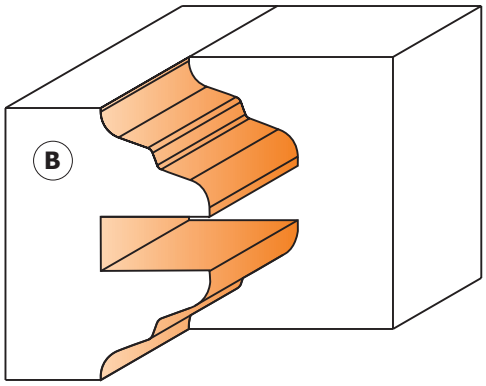




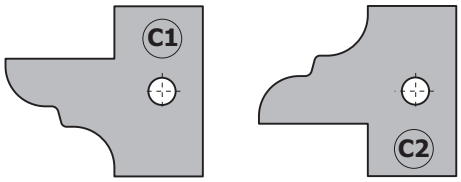
Optional

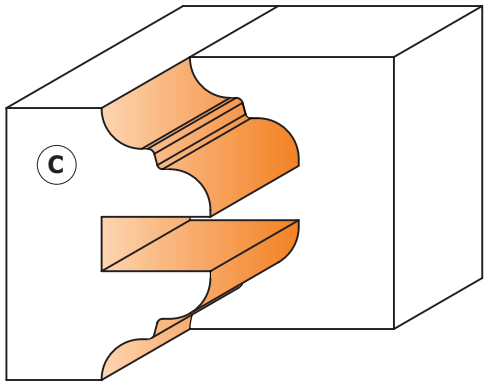
Pair of knives **695.015.B1**
Pair of knives **695.015.B2**



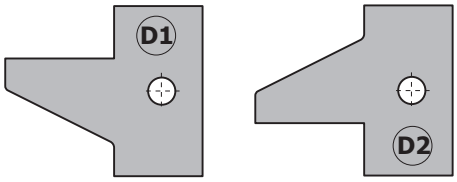


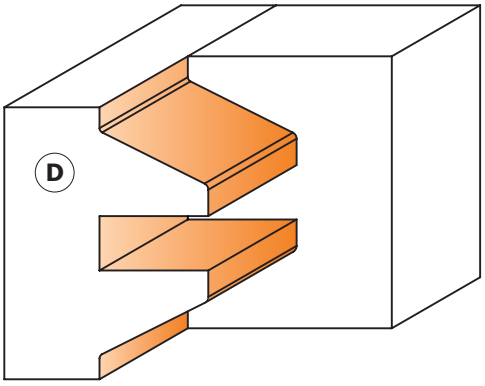
Pair of knives **695.015.C1**
Pair of knives **695.015.C2**



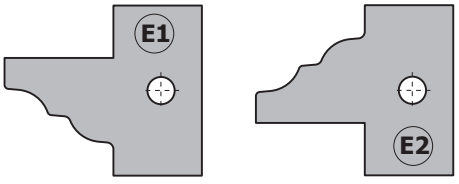


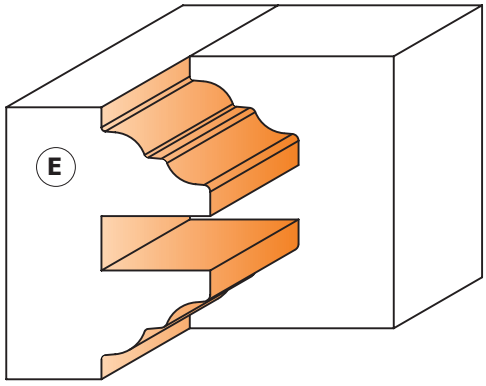
Pair of knives **695.015.D1**
Pair of knives **695.015.D2**





Pair of knives **695.015.E1**
Pair of knives **695.015.E2**









Supplied in a sturdy plastic carry case

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.

TECHNICAL DETAILS:
- Hard aluminum alloy body with high resistance to tensile and yield stress.
- 2 Solid Carbide knives type **(A)** 40x24.5x2mm [T2].
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

SAFETY TIPS:

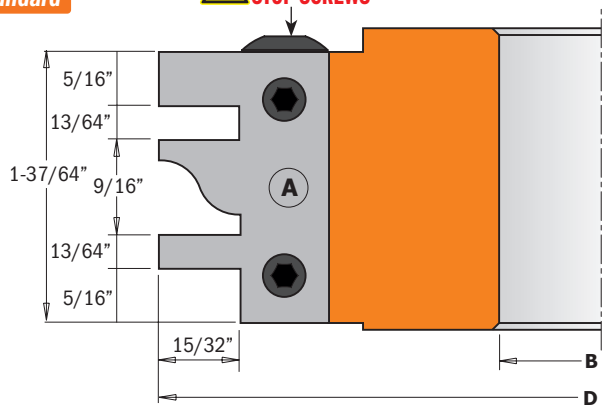


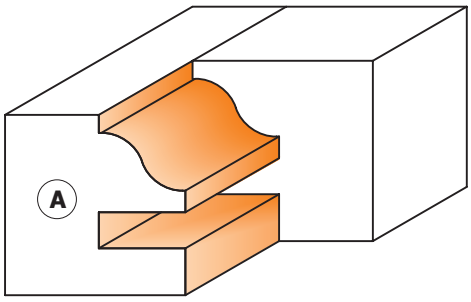
The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 323).

Standard

NEVER REMOVE STOP SCREWS

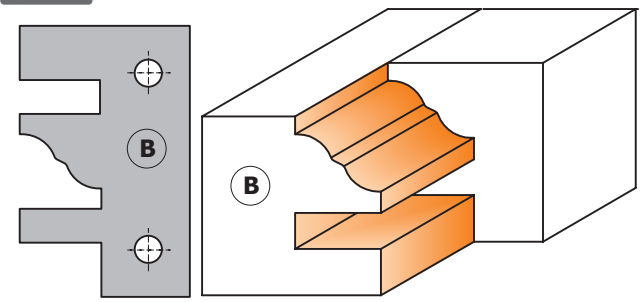
Pair of knives **695.014A**



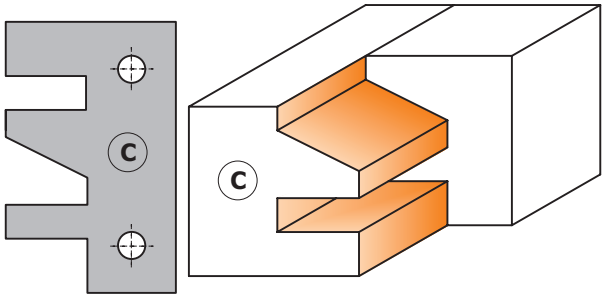


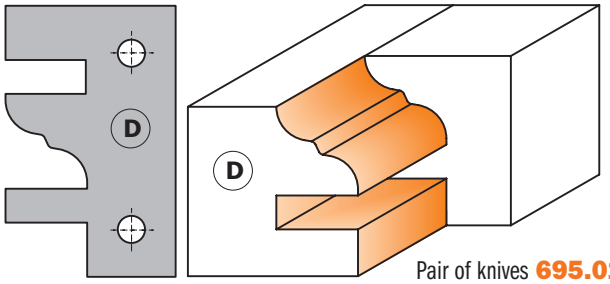
Optional

Pair of knives **695.014B**



Pair of knives **695.014C**





Pair of knives **695.014D**

ORDER NO.		D inches	D mm	B inches	B mm	RPM
694.014.31	1	4-23/32	120	1-1/4	31.75	6400~10500

Spare parts

x2			
695.014A	695.999.39	990.066.00	991.067.00

Optional: **695.014B** Pair of knives type (B) 40x24.5x2mm
695.014C Pair of knives type (C) 40x24.5x2mm
695.014D Pair of knives type (D) 40x24.5x2mm

Cutter Heads without Limiters



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 aluminum 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).

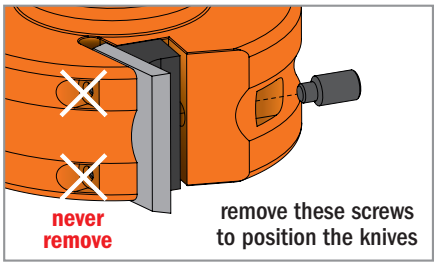


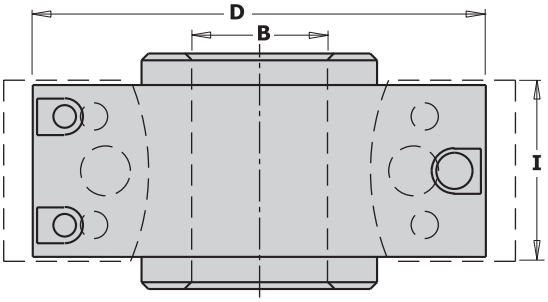
Supplied in a sturdy plastic carry case. Contains 12 pairs of knives.

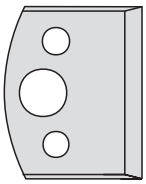
SAFETY TIPS:



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 323).







690.000

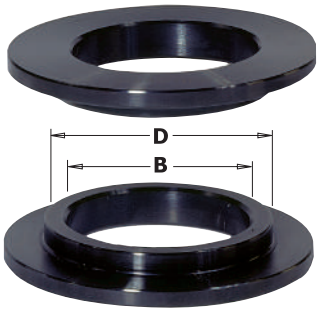
ORDER NO. Aluminum body		D inches	B inches	B mm	I inches	RPM
692.078.19	1	3-1/8	3/4	19.05	37/64	7000~9000
692.100.26	1	4	1	25.4	37/64 or 1-31/32	5500~8400
692.100.31	1	4	1-1/4	31.75	37/64 or 1-31/32	5500~8400

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

Pair of Bore Reducers

699



ORDER NO.		DESCRIPTION
699.019.13	10	Pair of bore reducers from 3/4" to 1/2"
699.026.19	10	Pair of bore reducers from 1" to 3/4"
699.030.19	10	Pair of bore reducers from 30mm to 3/4"
699.030.26	10	Pair of bore reducers from 30mm to 1"
699.031.19	10	Pair of bore reducers from 1-1/4" to 3/4"
699.031.26	10	Pair of bore reducers from 1-1/4" to 1"
699.031.30	10	Pair of bore reducers from 1-1/4" to 30mm

To be used only in pairs





Supplied in a sturdy plastic carry case

692

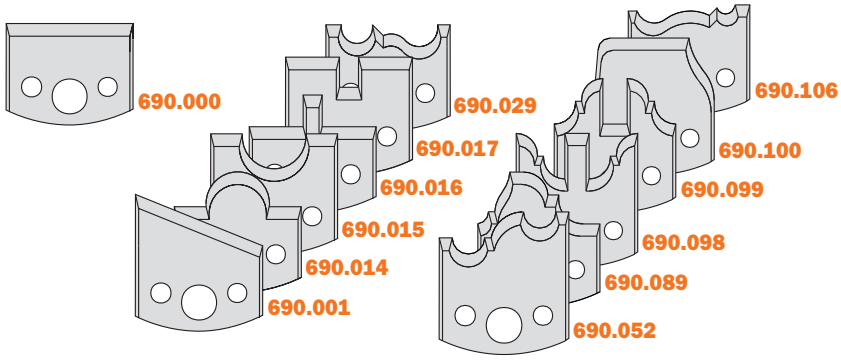
This set is ideal for making joints and frames and include 3 essential profiles specifically for creating cabinet doors. An invaluable asset for any professional woodworker. The cutter heads included allow the insertion of knives at a height of either 40mm or 50mm. Both cutter head and knives are packaged in a sturdy plastic case to prevent damage.

These sets include:
- 1 cutter head in hard aluminum alloy with pins for the automatic positioning of the knives.
- 13 pairs of knives with a cutting height of 40mm

SAFETY TIPS:



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 323).



ORDER NO.		D inches	B inches	B mm	I inches	RPM
692.013.09	1	3-1/8	3/4	19.05	1-37/64	7000~9000
692.013.10	1	4	1	25.4	1-37/64	5500~8400
692.013.11	1	4	1-1/4	31.75	1-37/64	5500~8400

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





Supplied in a sturdy plastic carry case

692

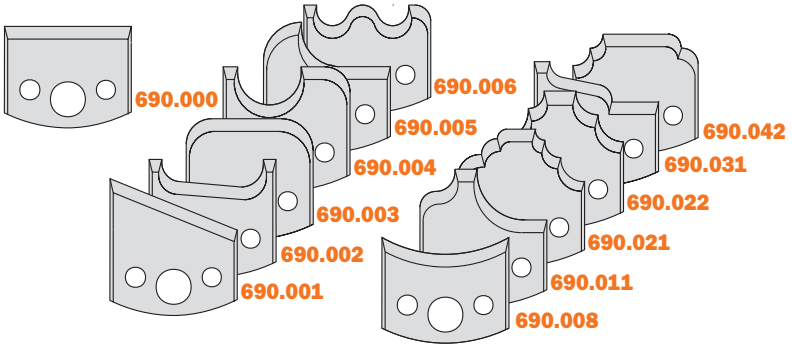
13 of the most popular profiles combined in one sturdy carry case. The featured cutter head fits 40-50mm knives.

These sets include:
- 1 cutter head in hard aluminum alloy with pins for the automatic positioning of the knives.
- 13 pairs of knives with a cutting height of 40mm.

SAFETY TIPS:



The **TW-006** Torque Screwdriver is recommended for the proper fastening of screws (see page 323).



ORDER NO.		D inches	B inches	B mm	I inches	RPM
692.013.12	1	3-1/8	3/4	19.05	1-37/64	7000~9000
692.013.13	1	4	1	25.4	1-37/64	5500~8400
692.013.14	1	4	1-1/4	31.75	1-37/64	5500~8400

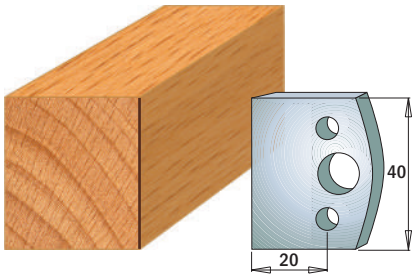
Spare parts

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

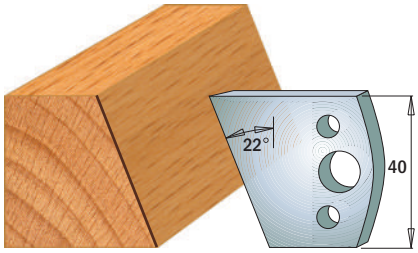
Profile Knives for Insert Shaper System

Cutting length=1-37/64" (40mm) - Thickness=5/32" (4mm) **Pack Qty.** 10

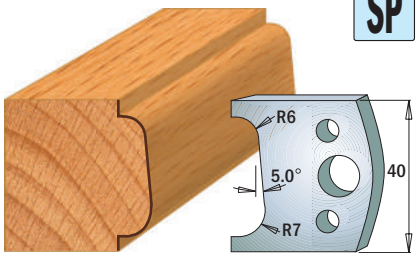
SP



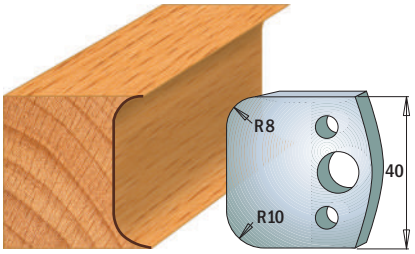
Pair of knives **690.000**



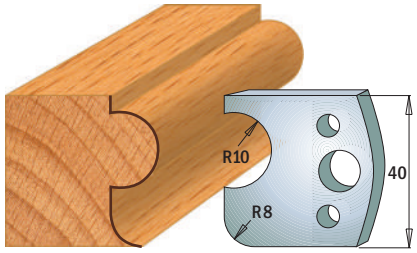
Pair of knives **690.001**



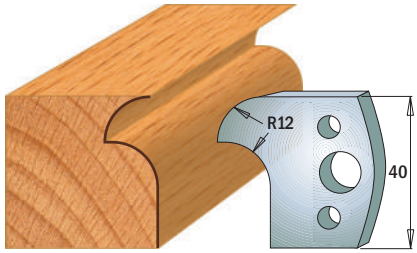
Pair of knives **690.002**



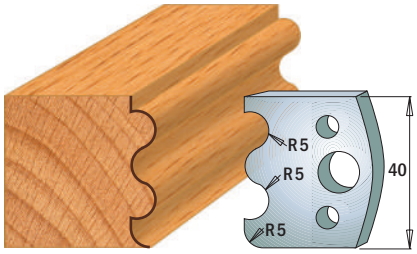
Pair of knives **690.003**



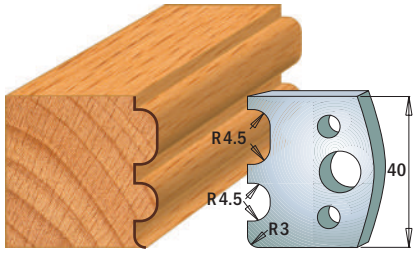
Pair of knives **690.004**



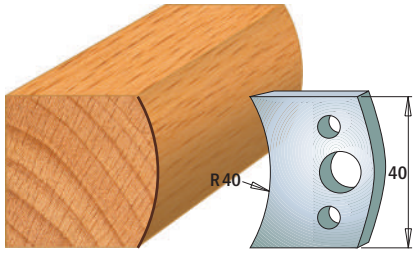
Pair of knives **690.005**



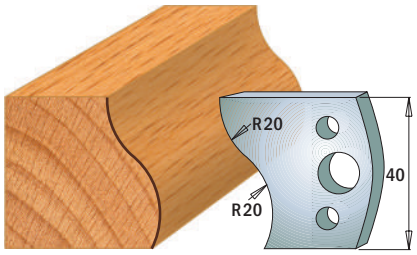
Pair of knives **690.006**



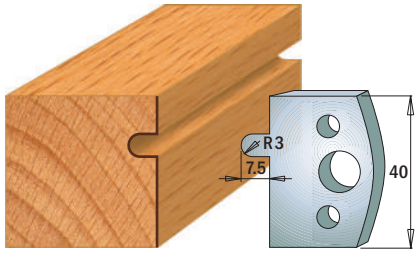
Pair of knives **690.007**



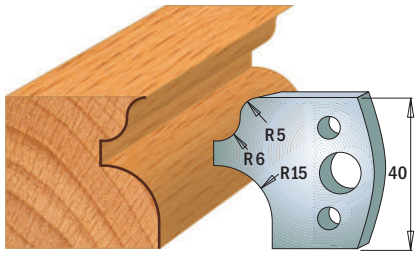
Pair of knives **690.008**



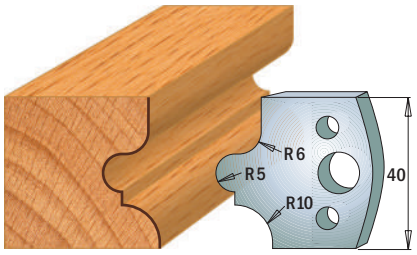
Pair of knives **690.009**



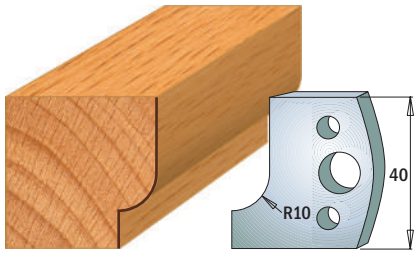
Pair of knives **690.010**



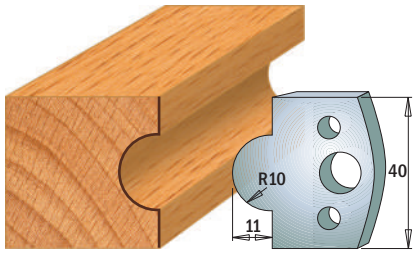
Pair of knives **690.011**



Pair of knives **690.012**



Pair of knives **690.013**



Pair of knives **690.014**

Note: all knives available only in pairs

Drawings are 1:2 scale

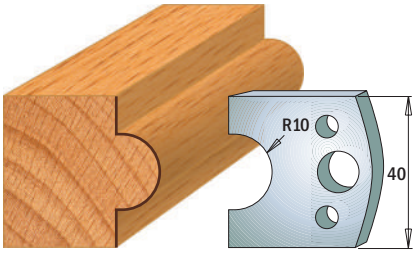
Dimension in mm.

Profile Knives for Insert Shaper System

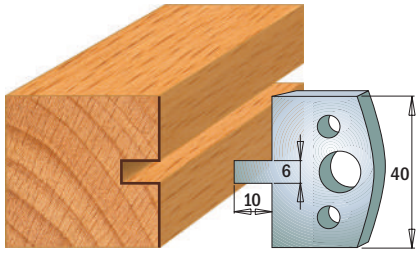
Cutting length=1-37/64” (40mm) - Thickness=5/32” (4mm) **Pack Qty.** 10

CMT ORANGE TOOLS®

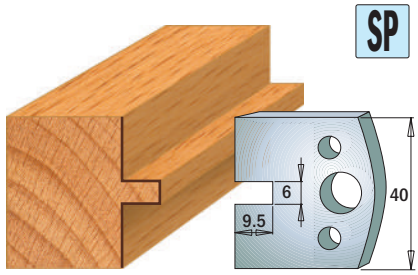
SP



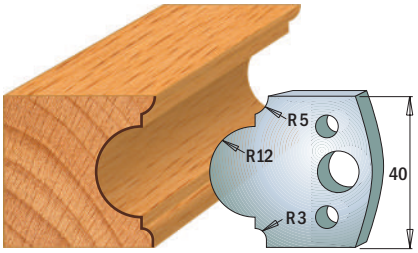
Pair of knives **690.015**



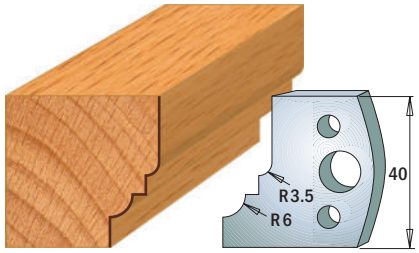
Pair of knives **690.016**



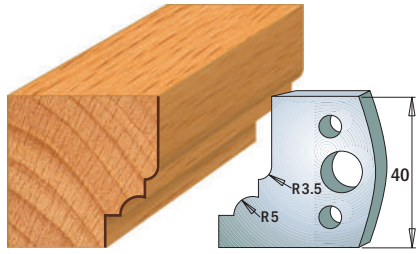
Pair of knives **690.017**



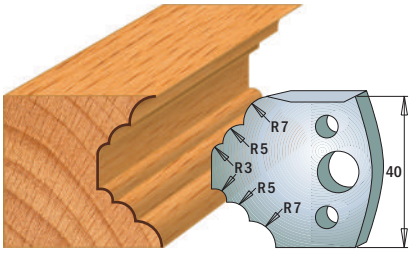
Pair of knives **690.018**



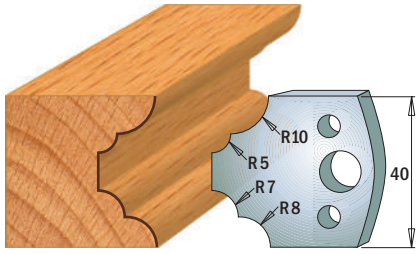
Pair of knives **690.019**



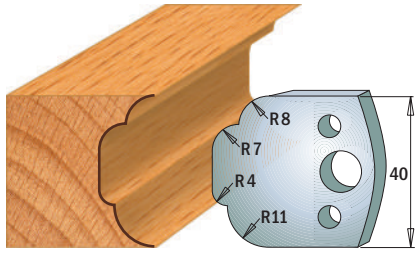
Pair of knives **690.020**



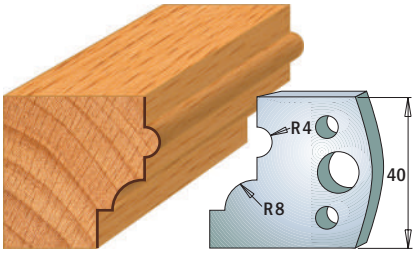
Pair of knives **690.021**



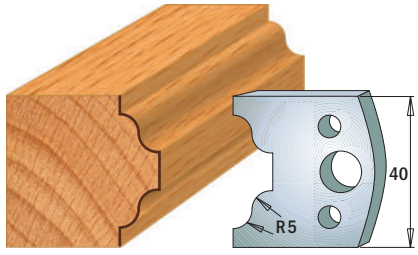
Pair of knives **690.022**



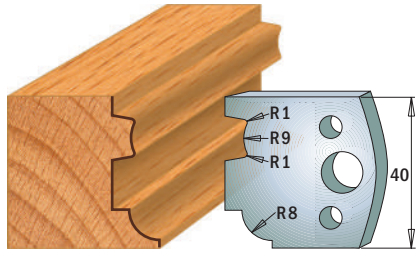
Pair of knives **690.023**



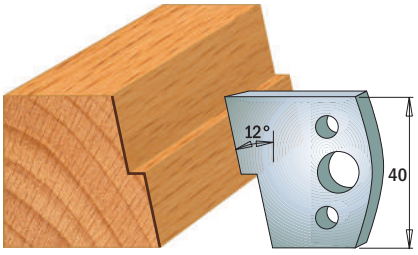
Pair of knives **690.024**



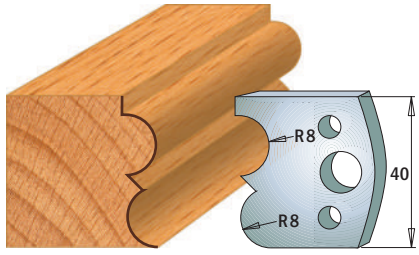
Pair of knives **690.025**



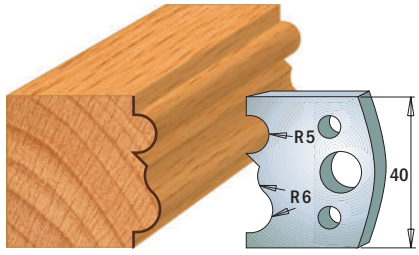
Pair of knives **690.026**



Pair of knives **690.027**



Pair of knives **690.028**



Pair of knives **690.029**

Note: all knives available only in pairs

Drawings are 1:2 scale

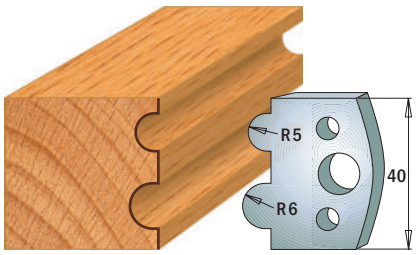
Dimension in mm.

Profile Knives for Insert Shaper System

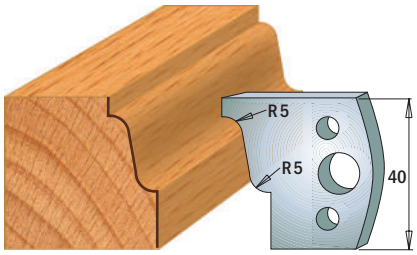
Cutting length=1-37/64" (40mm) - Thickness=5/32" (4mm) **Pack Qty.** 10

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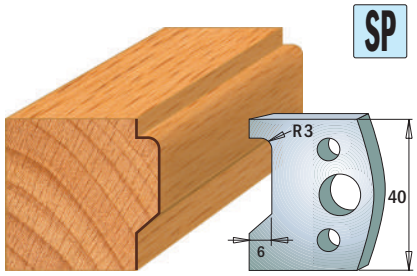
SP



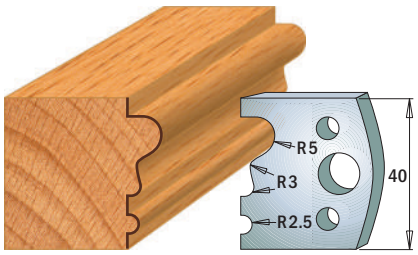
Pair of knives **690.030**



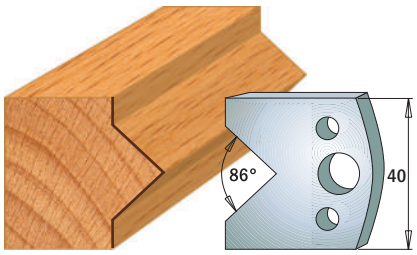
Pair of knives **690.031**



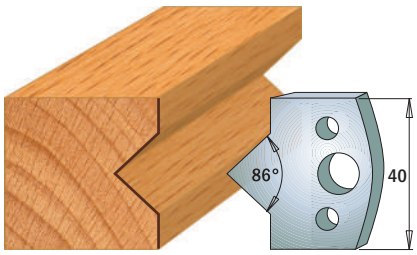
Pair of knives **690.032**



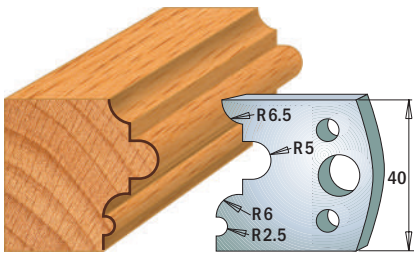
Pair of knives **690.033**



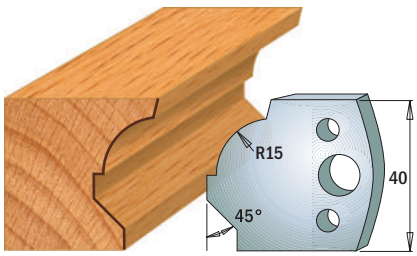
Pair of knives **690.034**



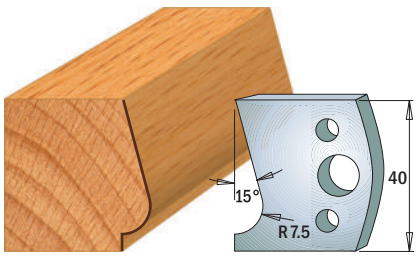
Pair of knives **690.035**



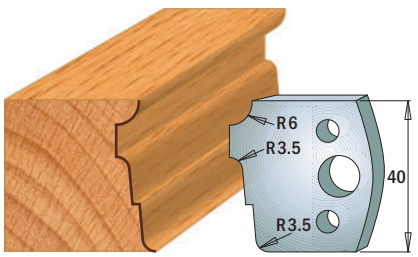
Pair of knives **690.036**



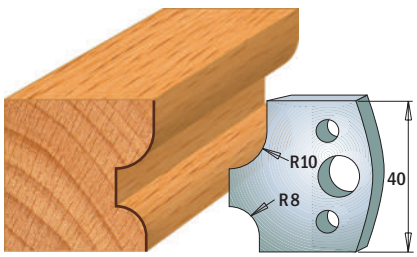
Pair of knives **690.037**



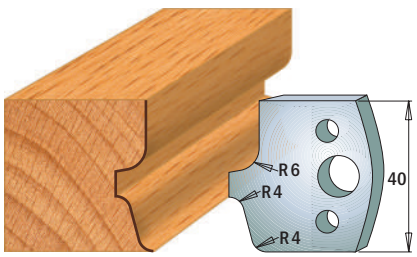
Pair of knives **690.038**



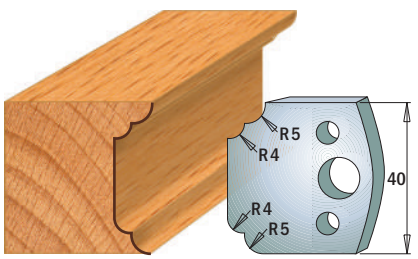
Pair of knives **690.039**



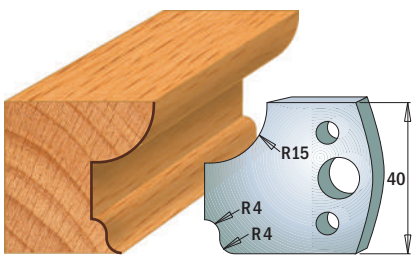
Pair of knives **690.040**



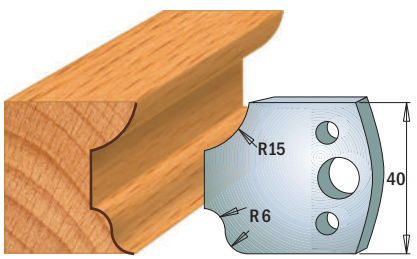
Pair of knives **690.041**



Pair of knives **690.042**



Pair of knives **690.043**



Pair of knives **690.044**

Note: all knives available only in pairs

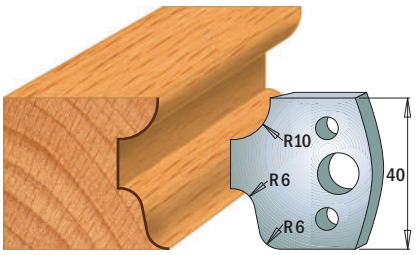
Drawings are 1:2 scale

Dimension in mm.

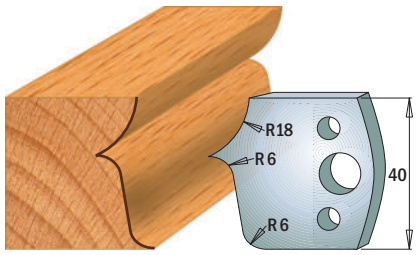
Profile Knives for Insert Shaper System

Cutting length=1-37/64" (40mm) - Thickness=5/32" (4mm) **Pack Qty.** 10

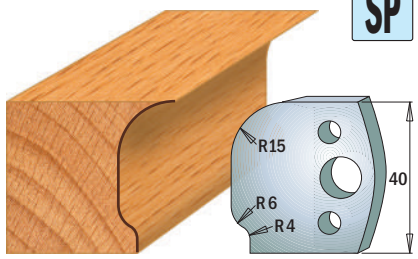
SP



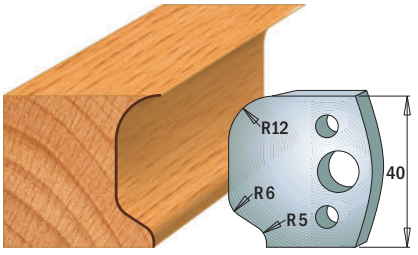
Pair of knives **690.045**



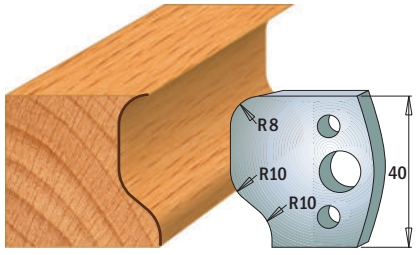
Pair of knives **690.046**



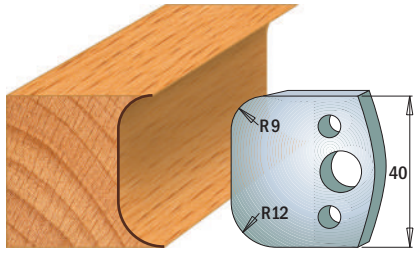
Pair of knives **690.047**



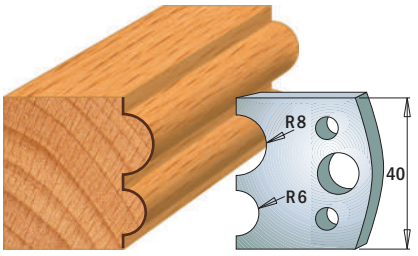
Pair of knives **690.048**



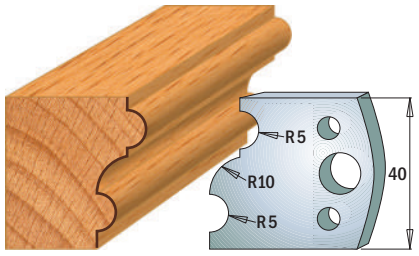
Pair of knives **690.049**



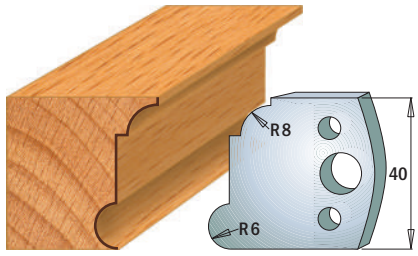
Pair of knives **690.050**



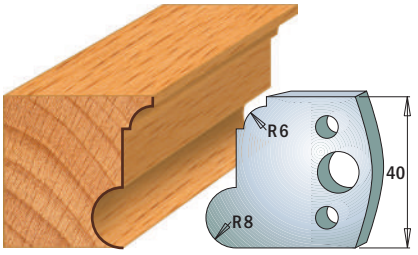
Pair of knives **690.051**



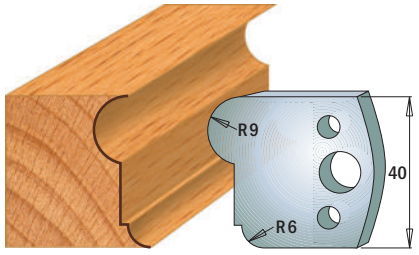
Pair of knives **690.052**



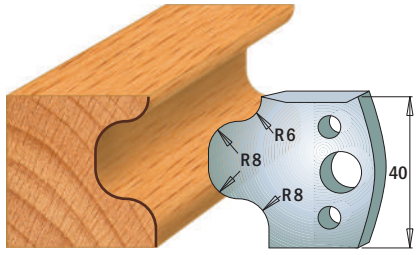
Pair of knives **690.053**



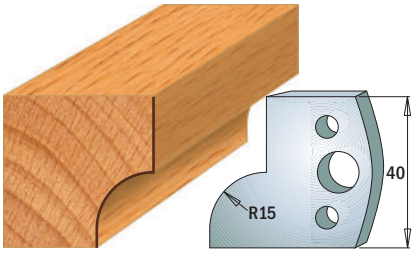
Pair of knives **690.054**



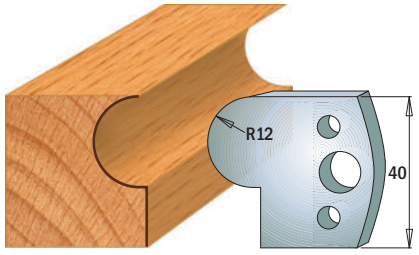
Pair of knives **690.055**



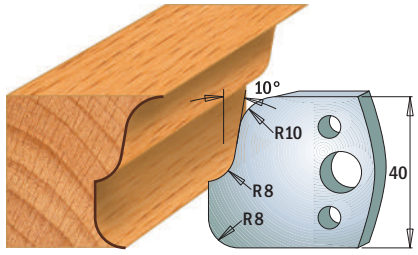
Pair of knives **690.056**



Pair of knives **690.057**



Pair of knives **690.058**



Pair of knives **690.059**

Note: all knives available only in pairs

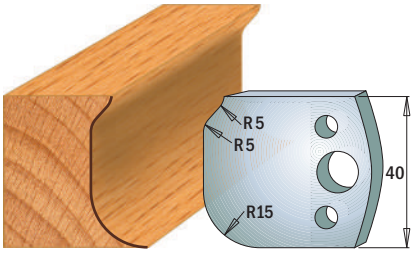
Drawings are 1:2 scale

Dimension in mm.

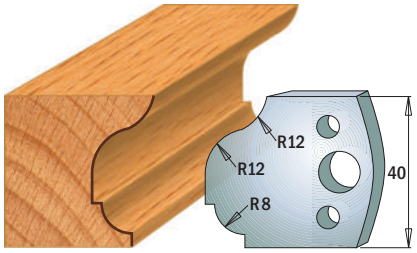
Profile Knives for Insert Shaper System

Cutting length=1-37/64" (40mm) - Thickness=5/32" (4mm) **Pack Qty.** 10

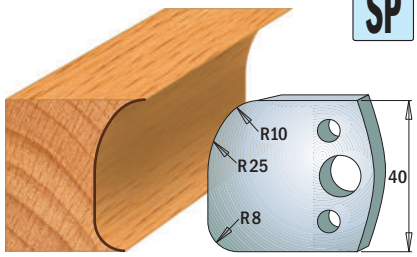
SP



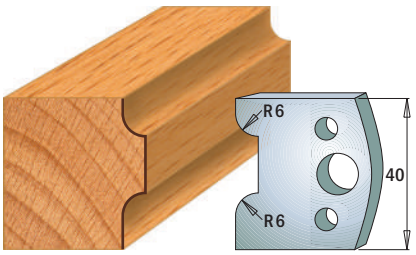
Pair of knives **690.060**



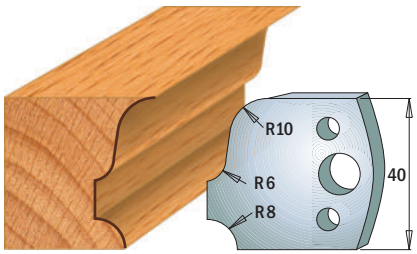
Pair of knives **690.061**



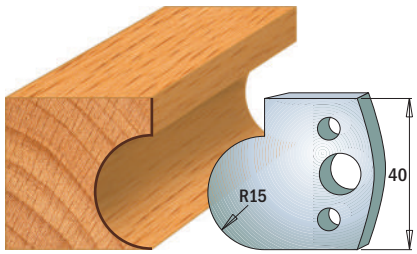
Pair of knives **690.062**



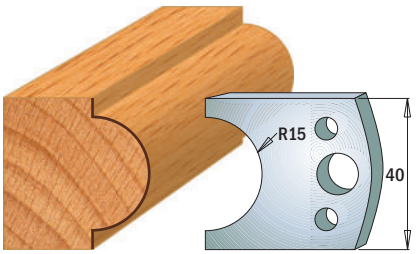
Pair of knives **690.063**



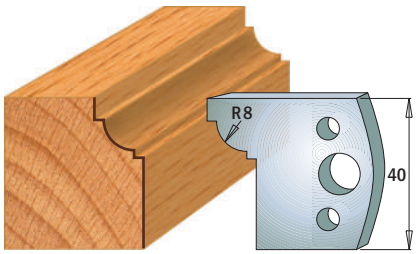
Pair of knives **690.064**



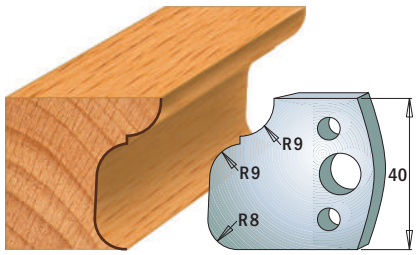
Pair of knives **690.065**



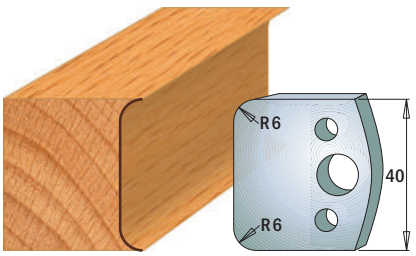
Pair of knives **690.066**



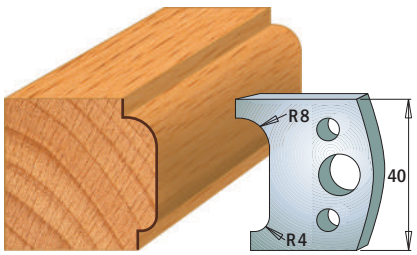
Pair of knives **690.067**



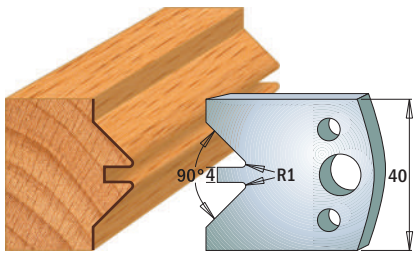
Pair of knives **690.068**



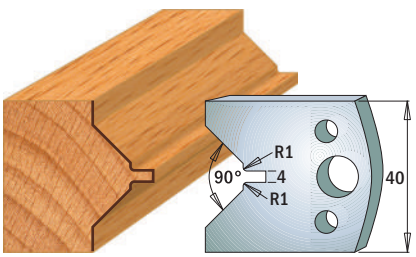
Pair of knives **690.069**



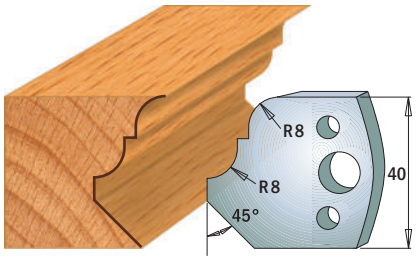
Pair of knives **690.070**



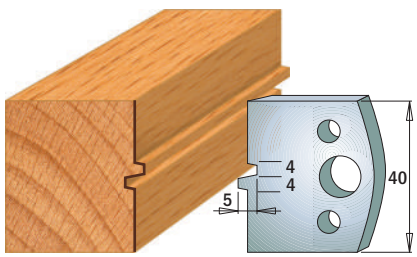
Pair of knives **690.071**



Pair of knives **690.072**



Pair of knives **690.073**



Pair of knives **690.074**

Note: all knives available only in pairs

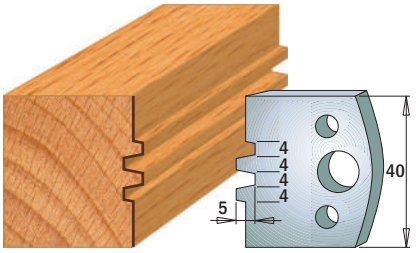
Drawings are 1:2 scale

Dimension in mm.

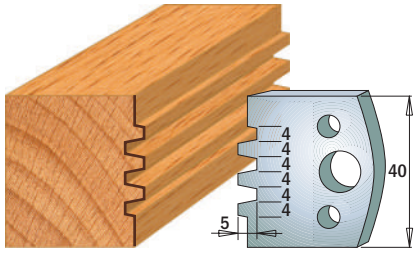
Profile Knives for Insert Shaper System

Cutting length=1-37/64” (40mm) - Thickness=5/32” (4mm) **Pack Qty.** 10

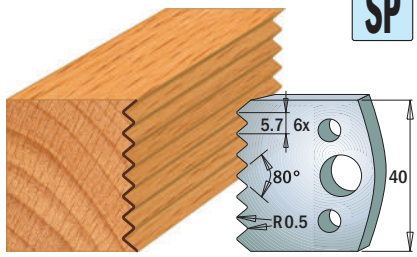
SP



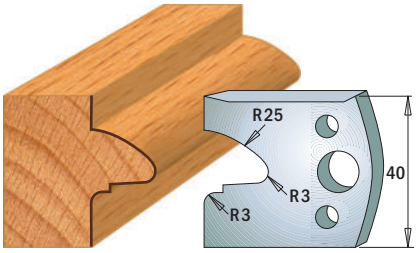
Pair of knives **690.075**



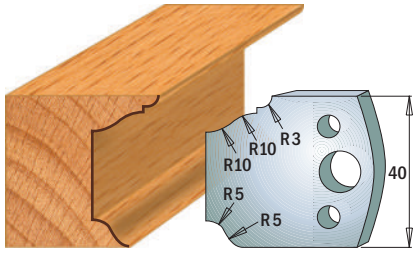
Pair of knives **690.076**



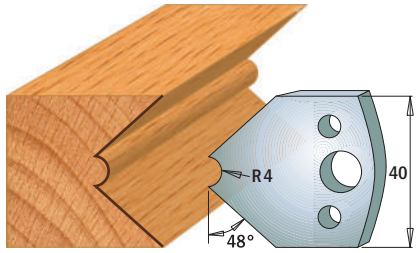
Pair of knives **690.077**



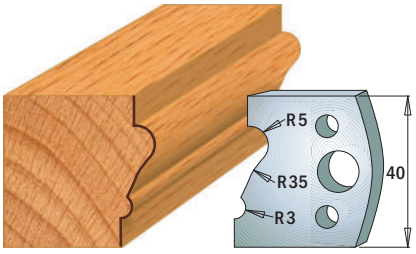
Pair of knives **690.078**



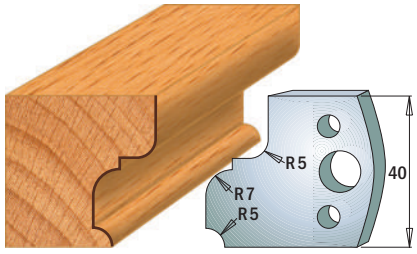
Pair of knives **690.079**



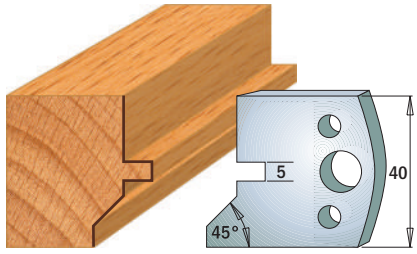
Pair of knives **690.080**



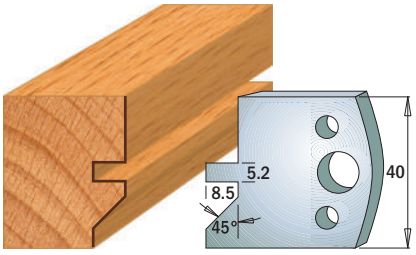
Pair of knives **690.081**



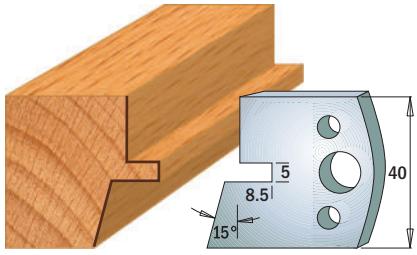
Pair of knives **690.082**



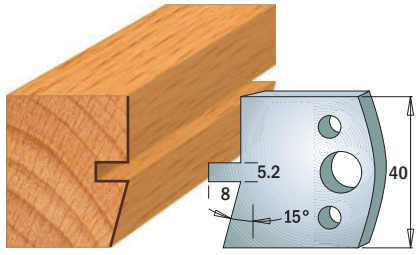
Pair of knives **690.083**



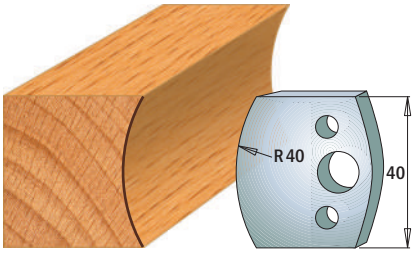
Pair of knives **690.084**



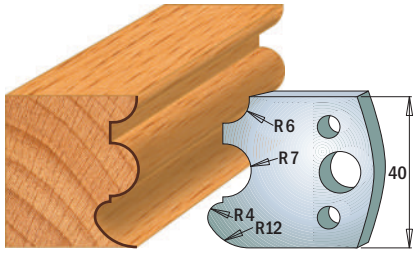
Pair of knives **690.085**



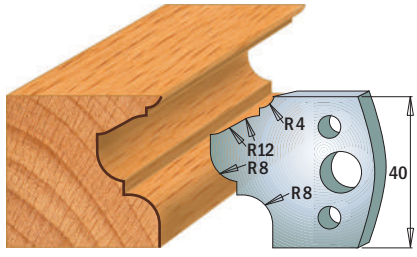
Pair of knives **690.086**



Pair of knives **690.087**



Pair of knives **690.088**



Pair of knives **690.089**

Note: all knives available only in pairs

Drawings are 1:2 scale

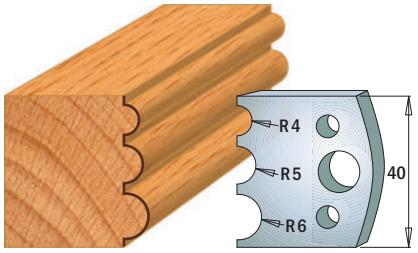
Dimension in mm.

Profile Knives for Insert Shaper System

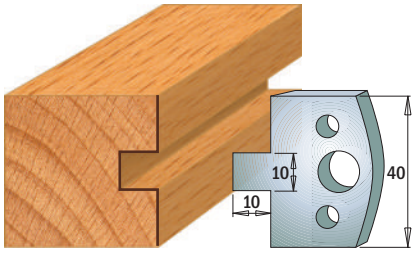
Cutting length=1-37/64" (40mm) - Thickness=5/32" (4mm) **Pack Qty.** 10

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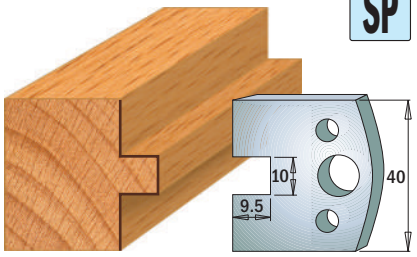
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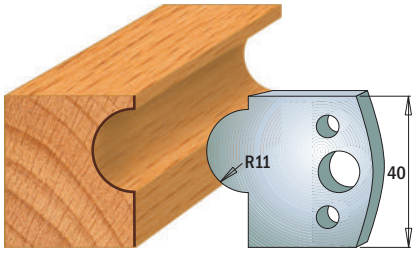
Pair of knives **690.090**



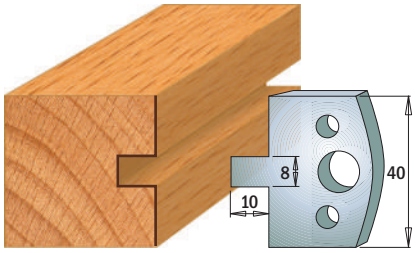
Pair of knives **690.091**



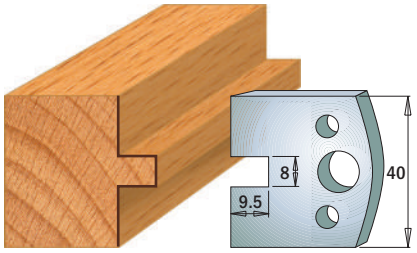
Pair of knives **690.092**



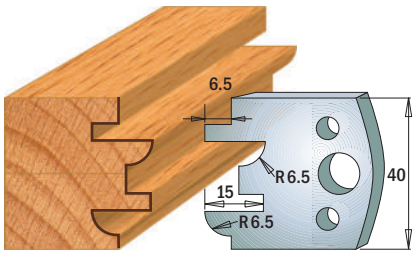
Pair of knives **690.093**



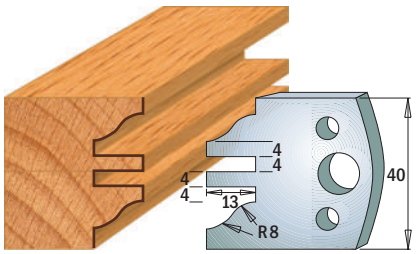
Pair of knives **690.094**



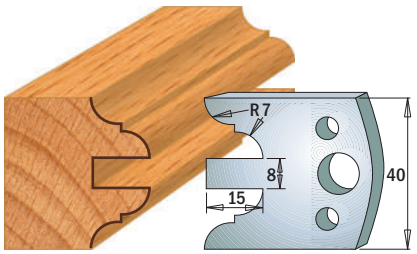
Pair of knives **690.095**



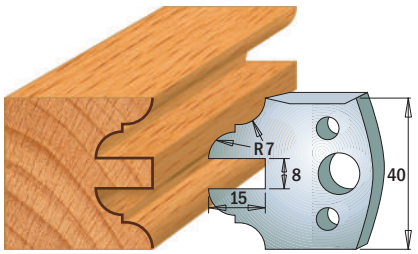
Pair of knives **690.096**



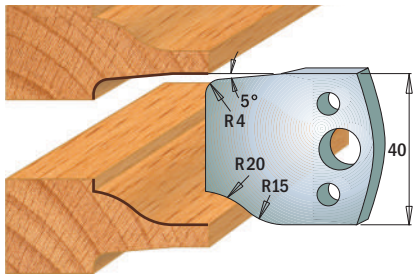
Pair of knives **690.097**



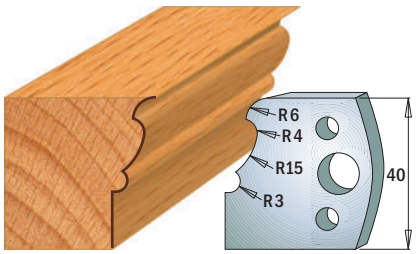
Pair of knives **690.098**



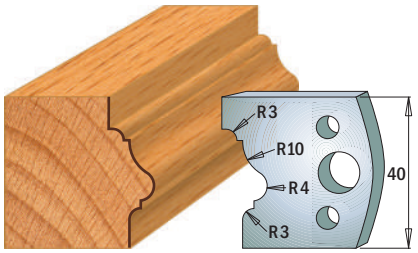
Pair of knives **690.099**



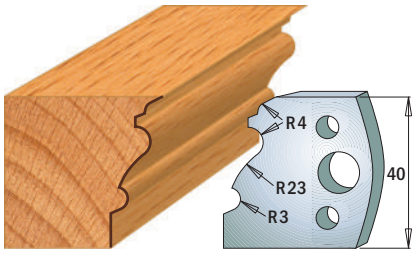
Pair of knives **690.100**



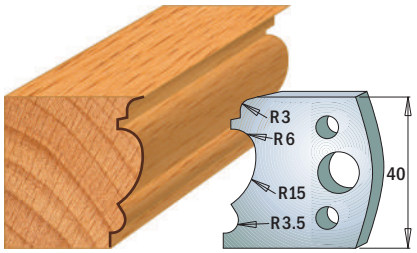
Pair of knives **690.101**



Pair of knives **690.102**



Pair of knives **690.103**



Pair of knives **690.104**

Note: all knives available only in pairs

Drawings are 1:2 scale

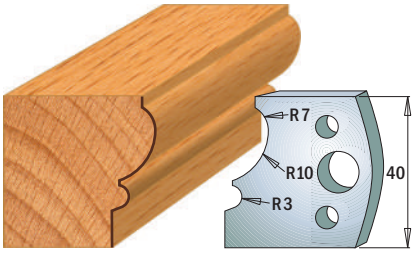
Dimension in mm.

Profile Knives for Insert Shaper System

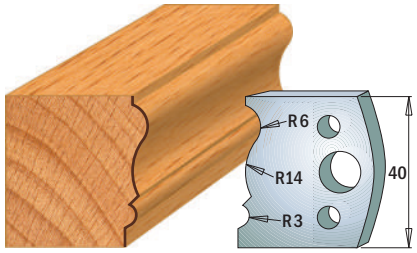
Cutting length=1-37/64” (40mm) - Thickness=5/32” (4mm) **Pack Qty.** 10

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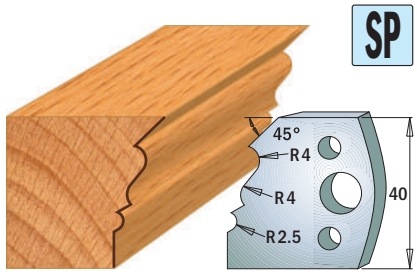
SP



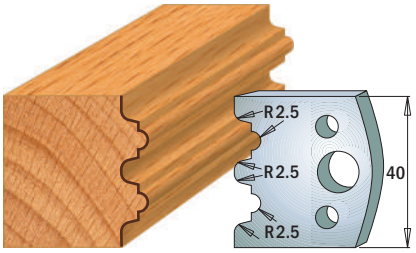
Pair of knives **690.105**



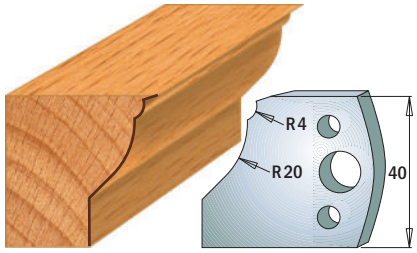
Pair of knives **690.106**



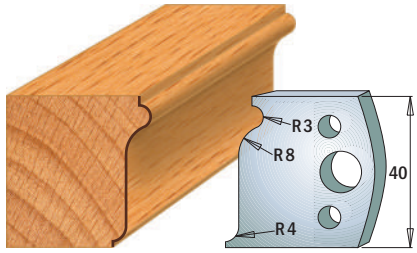
Pair of knives **690.107**



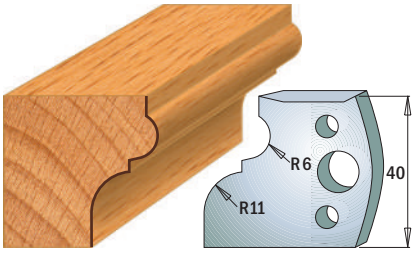
Pair of knives **690.108**



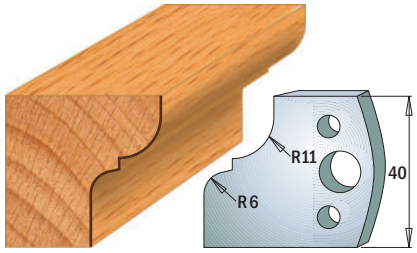
Pair of knives **690.109**



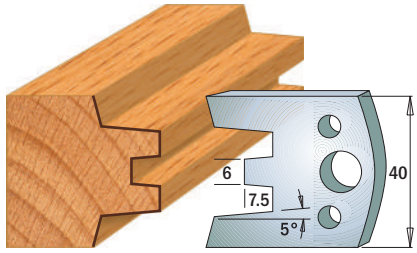
Pair of knives **690.110**



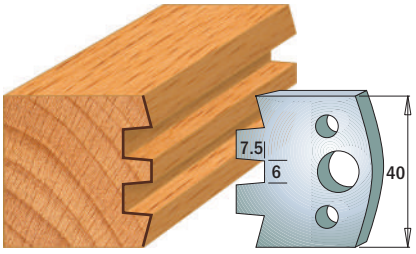
Pair of knives **690.111**



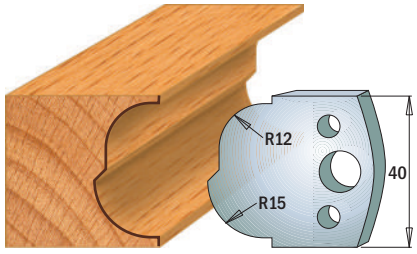
Pair of knives **690.112**



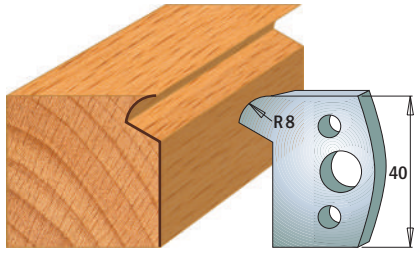
Pair of knives **690.113**



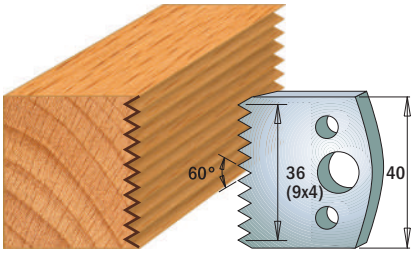
Pair of knives **690.114**



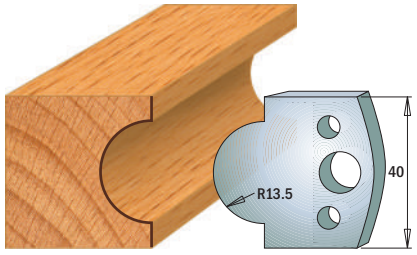
Pair of knives **690.115**



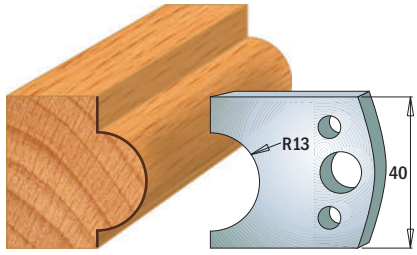
Pair of knives **690.116**



Pair of knives **690.117**



Pair of knives **690.118**



Pair of knives **690.119**

Note: all knives available only in pairs

Drawings are 1:2 scale

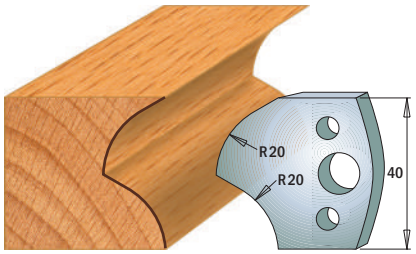
Dimension in mm.

Profile Knives for Insert Shaper System

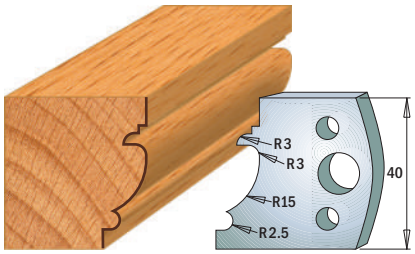
Cutting length=1-37/64" (40mm) - Thickness=5/32" (4mm) **Pack Qty.** 10

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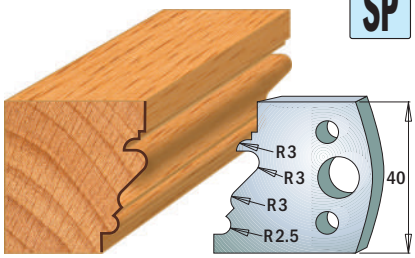
SP



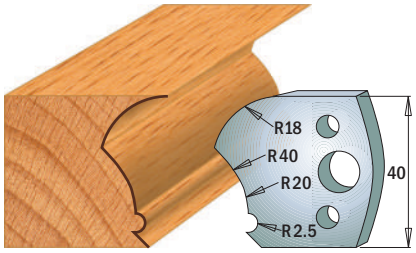
Pair of knives **690.120**



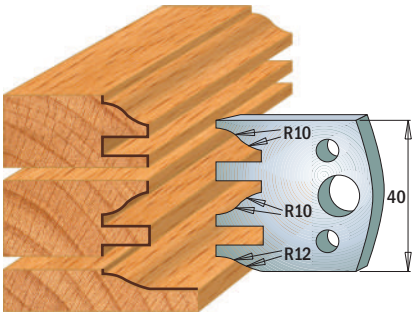
Pair of knives **690.121**



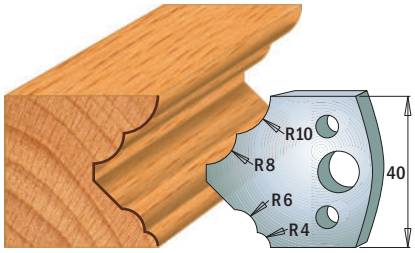
Pair of knives **690.122**



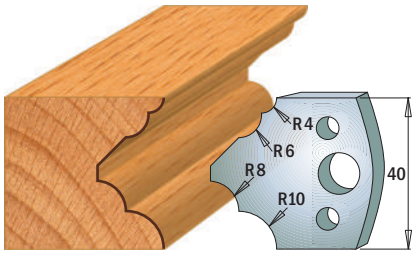
Pair of knives **690.123**



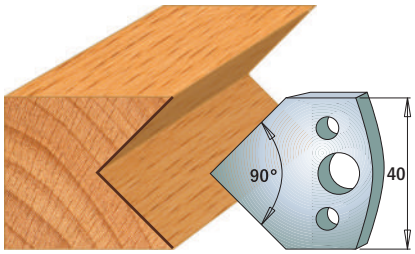
Pair of knives **690.124**



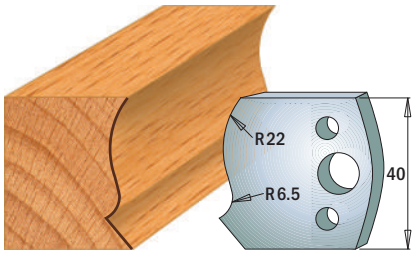
Pair of knives **690.125**



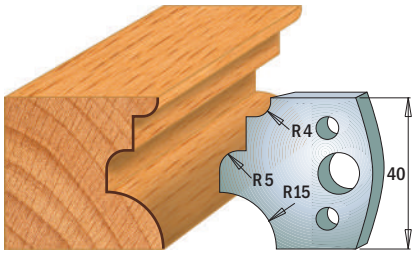
Pair of knives **690.126**



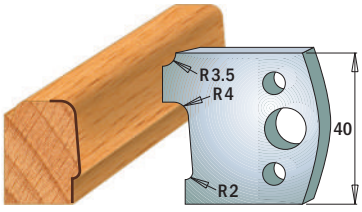
Pair of knives **690.127**



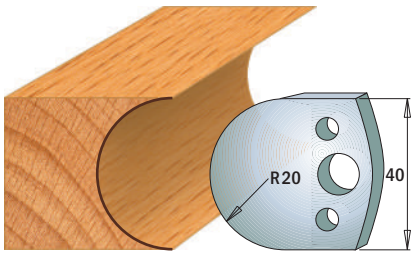
Pair of knives **690.128**



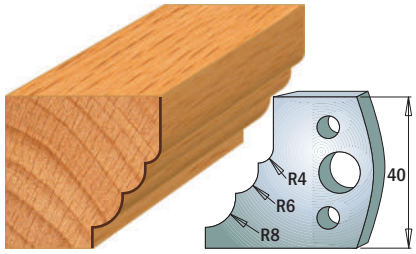
Pair of knives **690.129**



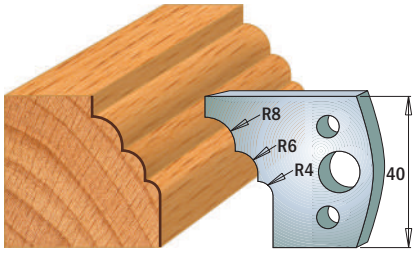
Pair of knives **690.130**



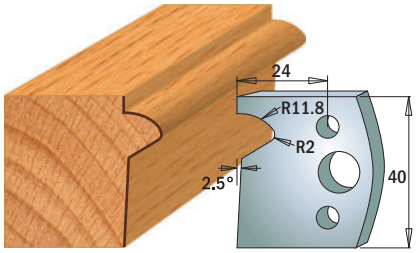
Pair of knives **690.131**



Pair of knives **690.132**



Pair of knives **690.133**



Pair of knives **690.135**

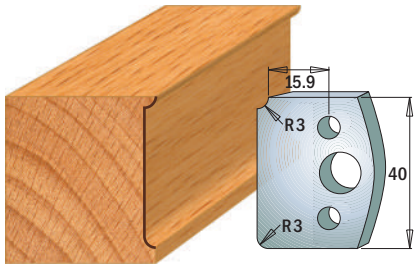
Note: all knives available only in pairs

Drawings are 1:2 scale

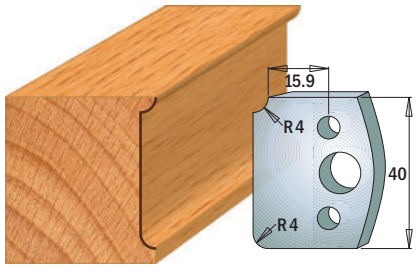
Dimension in mm.

Profile Knives for Insert Shaper System

Cutting length=1-37/64” (40mm) - Thickness=5/32” (4mm) **Pack Qty.** 10

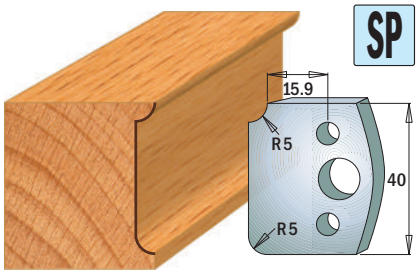


Pair of knives **690.170**

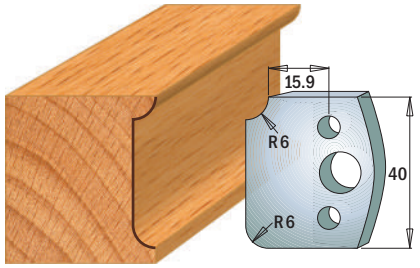


Pair of knives **690.171**

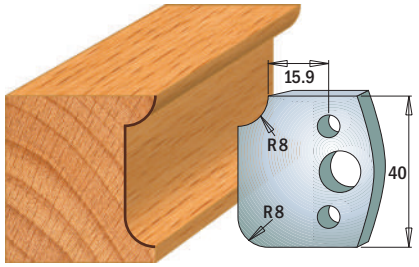
SP



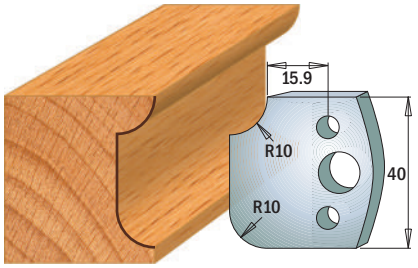
Pair of knives **690.172**



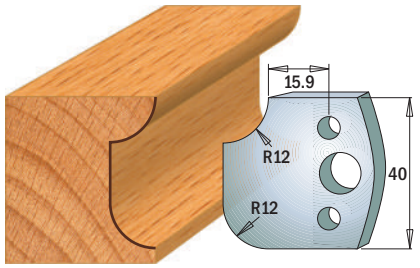
Pair of knives **690.173**



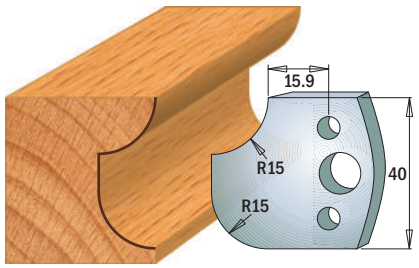
Pair of knives **690.174**



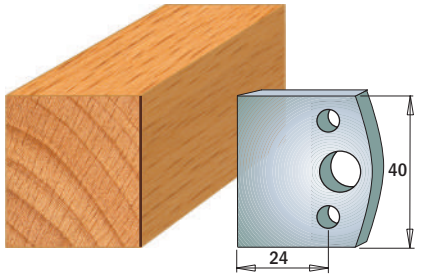
Pair of knives **690.175**



Pair of knives **690.176**

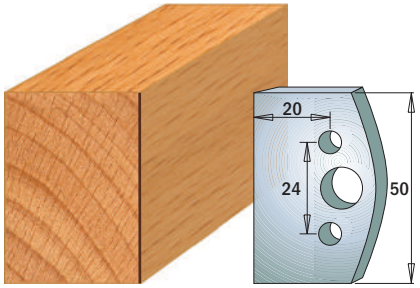


Pair of knives **690.177**

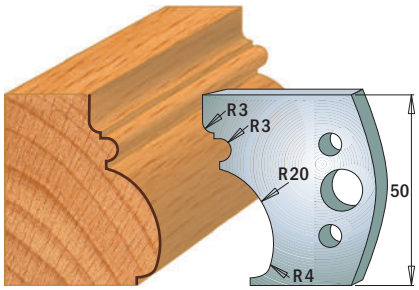


Pair of knives **690.192**

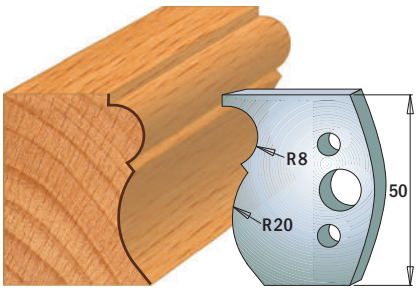
Cutting Length=1-31/32” (50mm) **Pack Qty. 10**



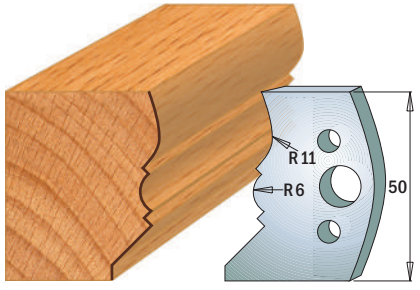
Pair of knives **690.500**



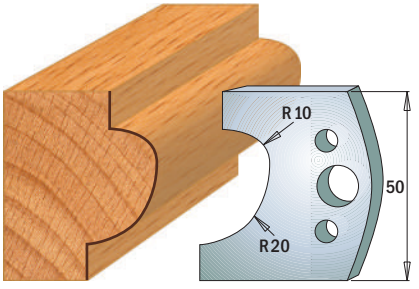
Pair of knives **690.501**



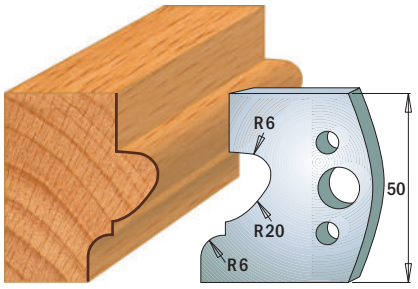
Pair of knives **690.502**



Pair of knives **690.503**



Pair of knives **690.504**



Pair of knives **690.505**

Note: all knives available only in pairs

Drawings are 1:2 scale

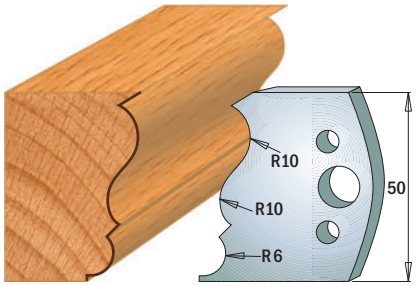
Dimension in mm.

Profile Knives for Insert Shaper System

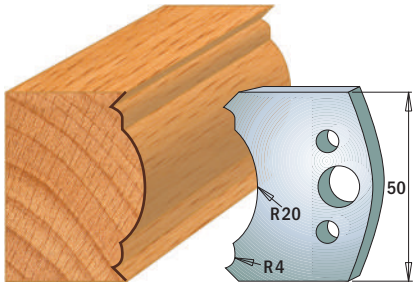
Cutting length=1-31/32" (50mm) - Thickness=5/32" (4mm) **Pack Qty.** 10

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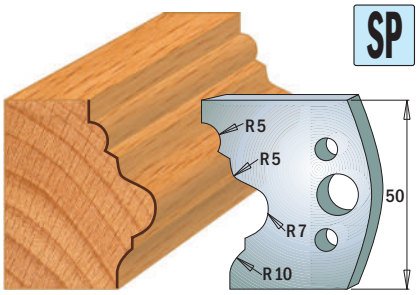
SP



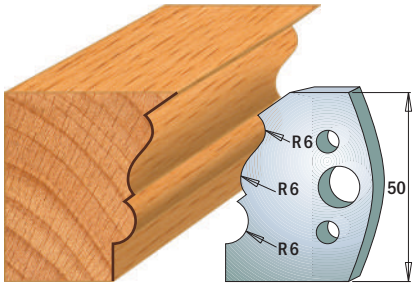
Pair of knives **690.506**



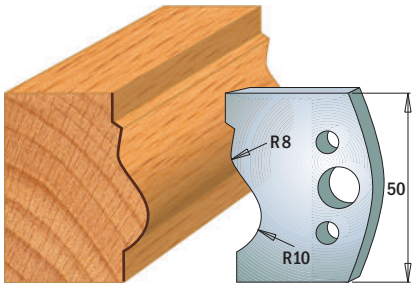
Pair of knives **690.507**



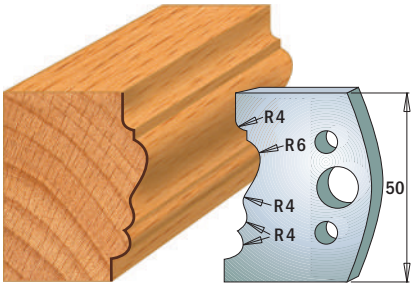
Pair of knives **690.508**



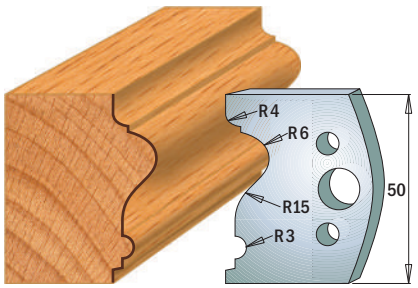
Pair of knives **690.509**



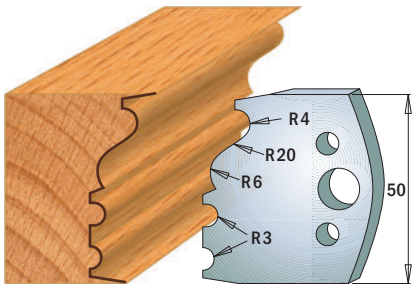
Pair of knives **690.510**



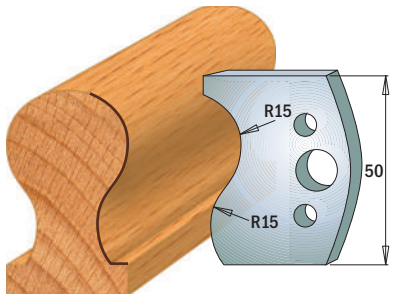
Pair of knives **690.511**



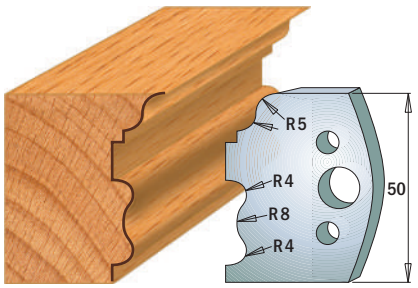
Pair of knives **690.512**



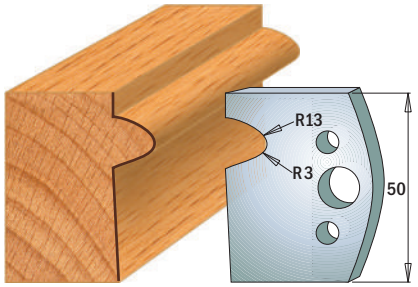
Pair of knives **690.513**



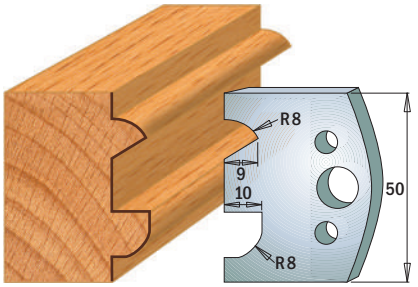
Pair of knives **690.514**



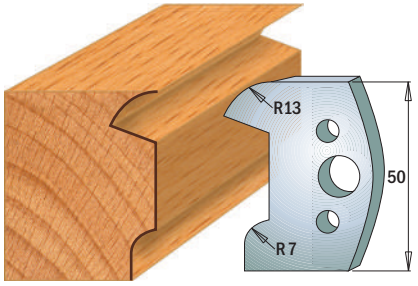
Pair of knives **690.515**



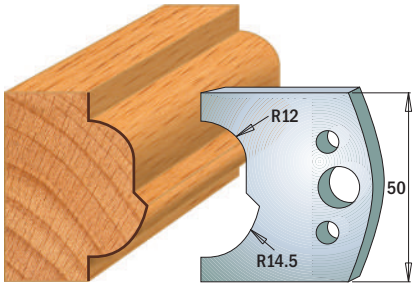
Pair of knives **690.516**



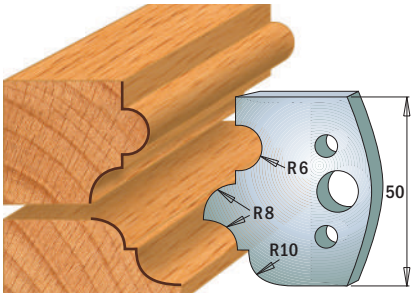
Pair of knives **690.517**



Pair of knives **690.518**



Pair of knives **690.519**



Pair of knives **690.520**

Note: all knives available only in pairs

Drawings are 1:2 scale

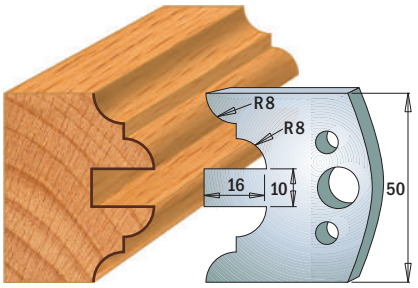
Dimension in mm.

Profile Knives for Insert Shaper System

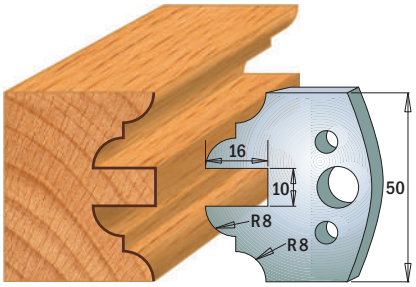
Cutting length=1-31/32" (50mm) - Thickness=5/32" (4mm) **Pack Qty.** 10

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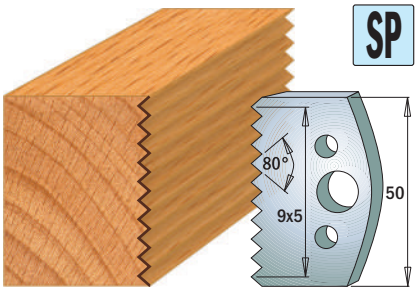
SP



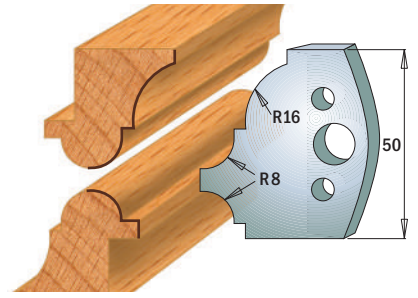
Pair of knives **690.522**



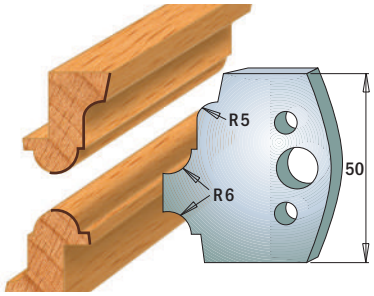
Pair of knives **690.523**



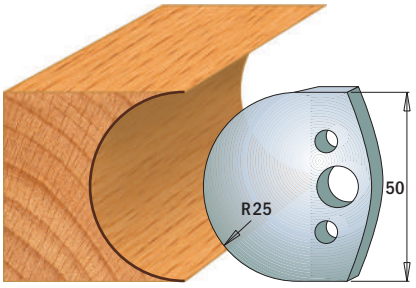
Pair of knives **690.524**



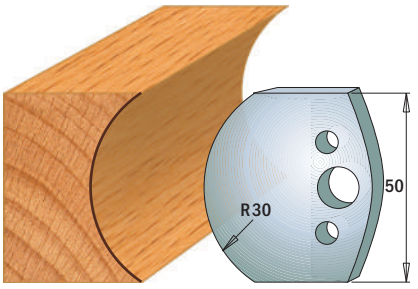
Pair of knives **690.541**



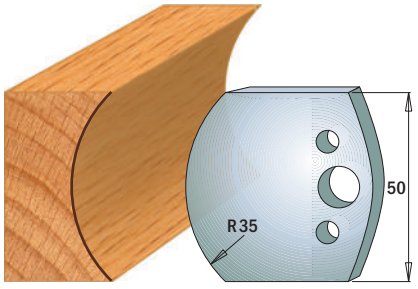
Pair of knives **690.542**



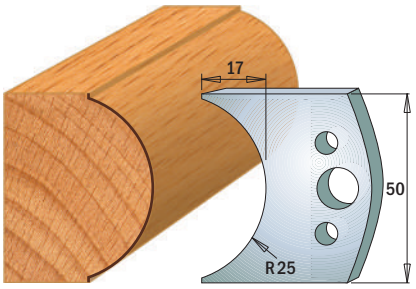
Pair of knives **690.543**



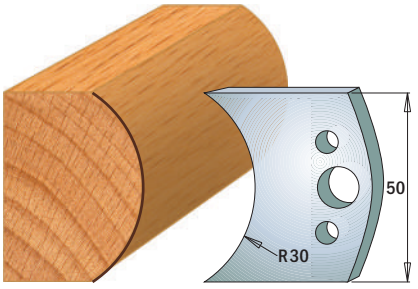
Pair of knives **690.544**



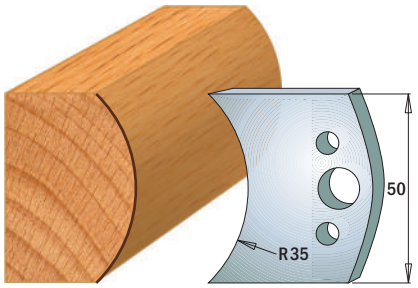
Pair of knives **690.545**



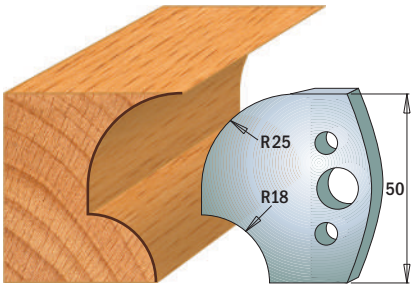
Pair of knives **690.546**



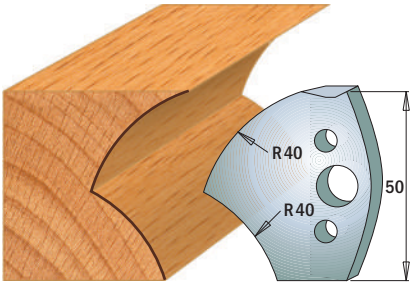
Pair of knives **690.547**



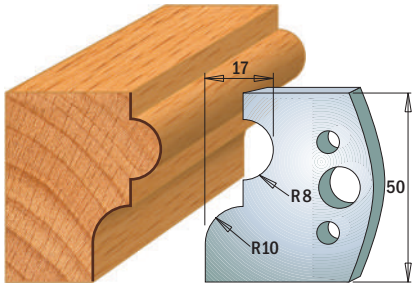
Pair of knives **690.548**



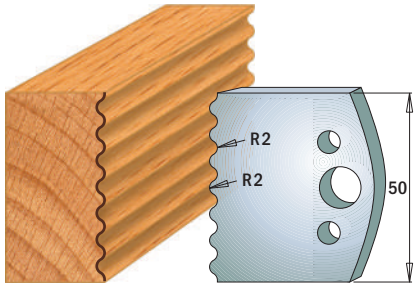
Pair of knives **690.549**



Pair of knives **690.550**



Pair of knives **690.551**



Pair of knives **690.552**

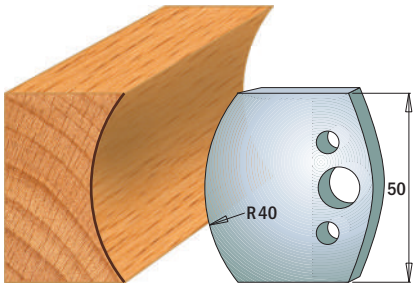
Note: all knives available only in pairs

Drawings are 1:2 scale

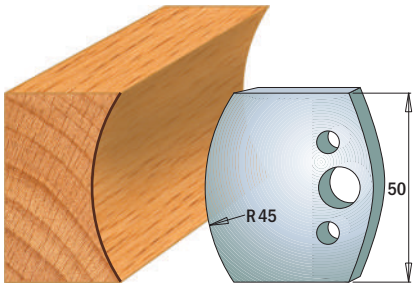
Dimension in mm.

Profile Knives for Insert Shaper System

Cutting length=1-31/32" (50mm) - Thickness=5/32" (4mm) **Pack Qty.** 10

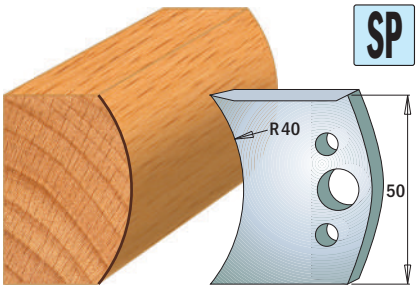


Pair of knives **690.553**

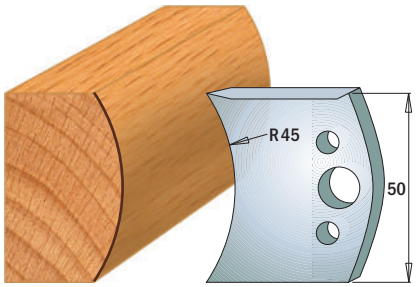


Pair of knives **690.554**

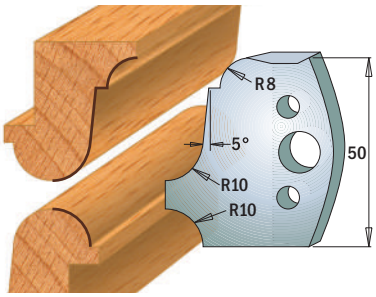
SP



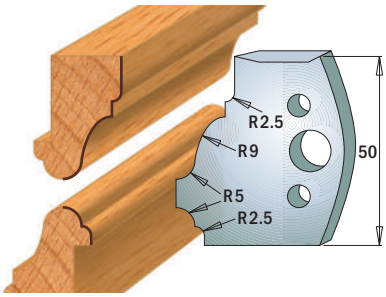
Pair of knives **690.555**



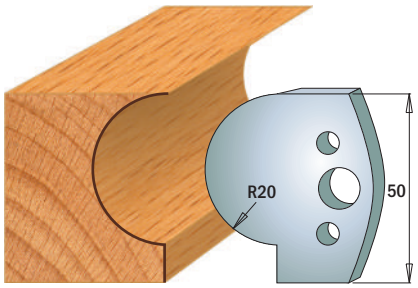
Pair of knives **690.556**



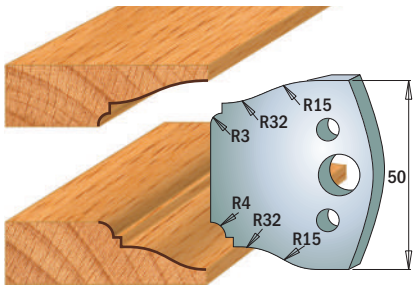
Pair of knives **690.557**



Pair of knives **690.558**



Pair of knives **690.562**



Pair of knives **690.568**

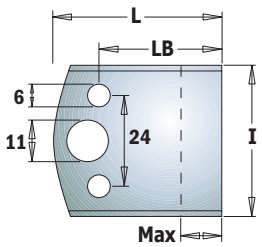
Note: all knives available only in pairs

Drawings are 1:2 scale

Dimension in mm.

690 BLANK KNIVES (TO BE SHARPENED)

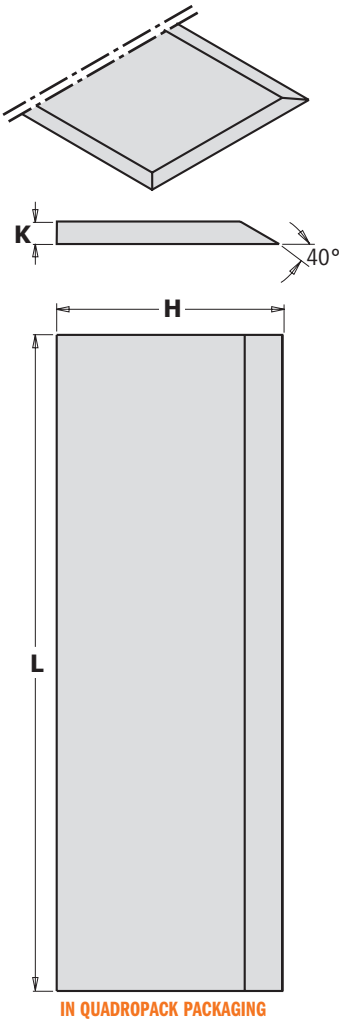
SP



ORDER NO.		LB inches	LB mm	I inches	I mm	L inches	MAX PROFILE inches
690.193	10	1-9/32	32.5	1-37/64	40	1-3/4	23/32
690.599	10	1-11/32	34	2	50	1-13/16	51/64

794

HSS



IN QUADROPACK PACKAGING

ORDER NO. HSS	L inches	H inches	K inches	KNIVES PER SET
794.101	4	5/8	1/8	3
794.151	6	5/8	1/8	3
794.152	6	3/4	1/8	3
794.161	6-1/8	5/8	3/32	3
794.202	8	5/8	1/8	3
794.203	8	3/4	1/8	3
794.302	12	3/4	1/8	3
794.303	12	7/8	1/8	3
794.321	12-1/2	11/16	1/8	3
794.381	15	1	1/8	3
794.511	20	1	1/8	1
794.641 ■	25	5/8	3/32	1
794.642 ■	25	5/8	1/8	1
794.643 ■	25	3/4	1/8	1
794.646 ■	25	1-1/4	1/8	1
794.648 ■	25	35mm	1/8	1
794.941 ■	37	1-1/8	1/8	1
794.942 ■	37	1-1/4	5/32	1

■ *Until stock last*

792 PLANER & JOINTER KNIVES HS 18%W

ORDER NO.	L mm	H mm	K mm	KNIVES PER SET
792.400.30	400	30	3	2
792.997.30	1050	30	3	2

CMT's new selection of Planer & Jointer Knives are carefully ground from fine European high quality steel.
You'll appreciate the high quality finish on these tools, and more importantly, you'll love their fine performance.

Suitable for: Dry Softwood, Dry & Wet Hardwood.

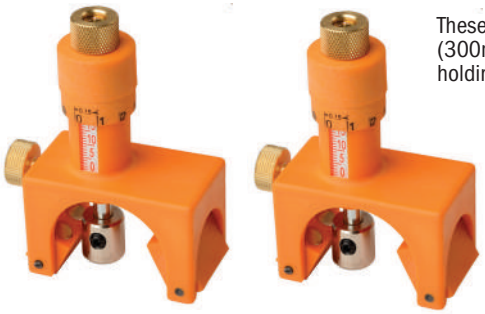
Party suitable for: Wet Softwood, Glulam.

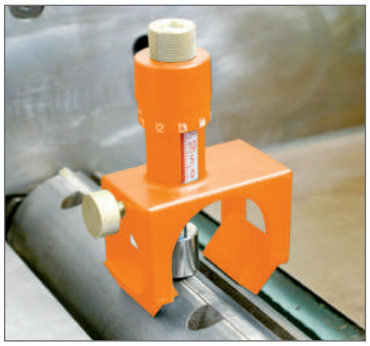


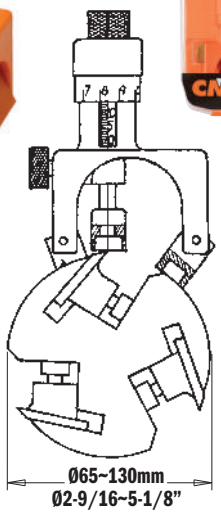
Set of 2 Magnetic Knife Setting Jigs

CMT792

These jigs have been designed to fit all planers from 12" (300mm) up to 24" (600mm). Strong magnets ensure superior holding power. Micro precision knife adjustment.

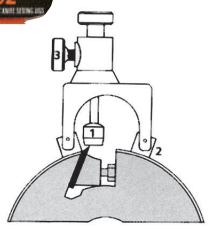




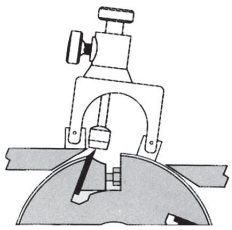




2 SETUP POSSIBILITIES



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.

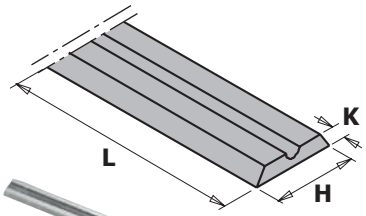
ORDER NO.		DESCRIPTION
CMT792	25	Set of 2 magnetic knife setting jigs

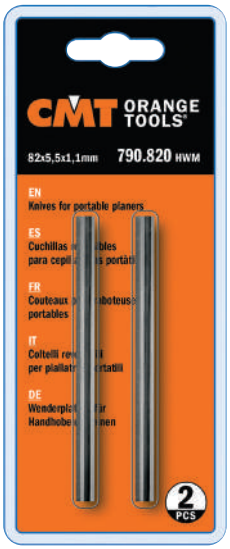
CMT ORANGE TOOLS®

SOLID CARBIDE

790







2-PCS. BLISTER CASE
(790.805/790.820)

ORDER NO. 2-pcs. blister case	L mm	H mm	K mm	MACHINE	MODEL MACHINE
790.805	80.5	5.5	1.1	AEG®, BOSCH®	
				HAFFNER®	
				ELU®	MFF40, MFF80, MFF81, MFF81EK, PF161
790.820	82	5.5	1.1	AEG®	EH82, EH825, EH822, EH450, EH700, EH82-1, H500, H750, EH700R
				BLACK & DECKER®	DN76
				BOSCH®	PHO 100/150, PHO200/300 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





2-PCS. BLISTER CASE

ORDER NO. 2-pcs. HSS	ORDER NO. 2-pcs. TCT	L mm	H mm	K mm	MACHINE	MODEL MACHINE
790.821.50	**790.821.10**	82	29	3	BOSCH®	GHO20-82
					BLACK & DECKER®	DN710, DB711
					MAKITA®	1900B, 1923B, 1100, 1901, 1125, KP0800K, KP0810, XPK01
					RYOBI®	L-1323A, L-282
790.110.50		110	29	3	MAKITA®	1002BA, 1911B

TECHNICAL DETAILS:
- Order no. ISO: K40
- Hardness (HV10): 1.400
- Transverse rupture strength (N/mm²): 2.600

APPLICATION:

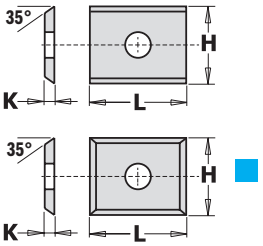
Softwood	Good
Hardwood	Suitable
Plywood	Suitable

® Brand names mentioned in CMT products are the property of their respective owners (see page 376)

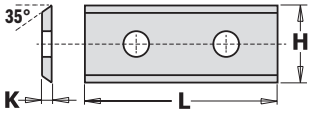
CMT ORANGE TOOLS®

790

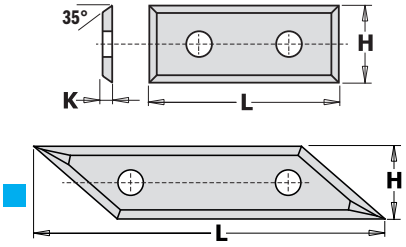
SOLID CARBIDE



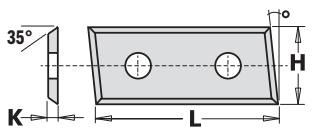
L mm	H mm	K mm	TYPE	A	T	ORDER NO. K1920	ORDER NO. K2250
7.5	12	1.5		35°	2	790.075.00	
7.65	12	1.5		35°	2	790.076.00	
9.6	12	1.5		35°	2	790.096.00	
11.6	12	1.5		35°	2	Y790.116.00	
15	12	1.5	■	35°	2	790.150.00	
19.5	12	1.5		35°	4	790.195.12	
20	12	1.5		35°	2	790.200.00	790.200.03



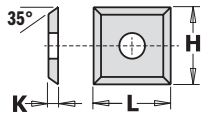
L mm	H mm	K mm		A	T	ORDER NO. K1920	ORDER NO. K2250
24.7	12	1.5		35°	2	790.250.00	
30	12	1.5		35°	2	790.300.00	790.300.03
40	12	1.5		35°	2	790.400.00	790.400.03
50	12	1.5		35°	2	790.500.00	790.500.03
60	12	1.5		35°	2	790.600.00	790.600.03



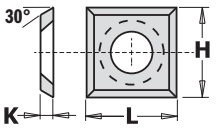
L mm	H mm	K mm	TYPE	A	T	ORDER NO. K1920	
29.5	9	1.5		35°	4	790.295.09	
29.5	12	1.5		35°	4	790.295.12	
39.5	12	1.5		35°	4	790.395.12	
49.2	9	1.5		35°	4	790.495.09	
49.2	12	1.5		35°	4	790.495.12	
58	12	1.5	■	35°	2	790.580.01	



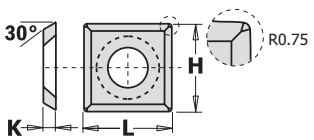
L mm	H mm	K mm		A	T	ORDER NO. K1920	
28.3	12	1.5		35°	4	790.283.12	
48.3	12	1.5		35°	4	790.483.12	



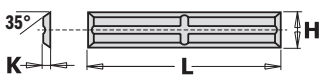
L mm	H mm	K mm		A	T	ORDER NO. K1920	ORDER NO. K2250
10.5	10.5	1.5		35°	4	790.105.03	
12	12	1.5		35°	4	790.120.00	790.120.03



L mm	H mm	K mm		A	T	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	R mm	A	T	ORDER NO. K1920	
14	14	2	0.75	30°	4	790.140.20	

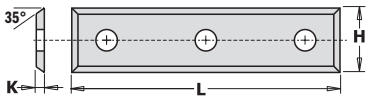


L mm	H mm	K mm		A	T	ORDER NO. K1920	
20	4.1	1.1		35°	4	790.200.01	
30	5.5	1.1		35°	4	790.300.01	
50	5.5	1.1		35°	4	790.500.01	

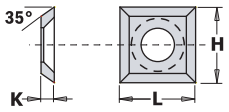
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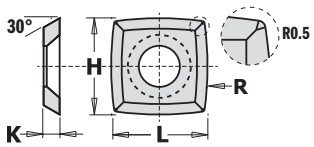
SOLID CARBIDE



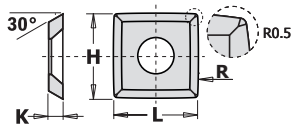
L mm	H mm	K mm		A	T	ORDER NO. F1640	
50	9	1.5		35°	4	**790.500.09**	
50	12	1.7		35°	4	**790.503.00**	



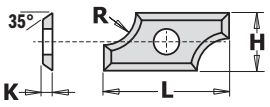
L mm	H mm	K mm		A	T	ORDER NO. F1640	
14.3	14.3	2.5		35°	4	**S790.143.00**	



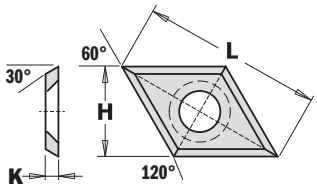
L mm	H mm	K mm	R mm	A	T	ORDER NO. K1920	
15	15	2.5	150	30°	4	**790.152.22**	



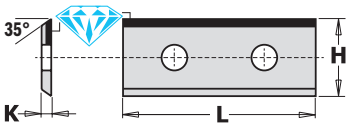
L mm	H mm	K mm	R mm	A	T	ORDER NO. K1920	
15	15	2.5	100	30°	4	**790.152.62**	



L mm	H mm	K mm	R mm	A	T	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	K mm		A	T	ORDER NO. K1920	
28	14	2		30°	2	**790.280.00**	



L mm	H mm	K mm		A	T	ORDER NO. DP	
30	12	1.5		35°	1	**790.300.60***	

***These knives are supplied in a 2-pc. case. Minimum 2-pieces or multiple of 2-piece order.**

MATERIAL	K1920	K2250
Softwood	★★★★	
Hardwood	★★★★★	
Chipboard	★★★★★	★★★★★
MDF	★★★★	★★★★★
HDF	★★★★	★★★★★
Plastics	★★★	★★★★★
Solid Surface		★★★★



All knives are supplied in a 10-pc. case.
Minimum 10-piece or multiple of 10-piece order.

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.

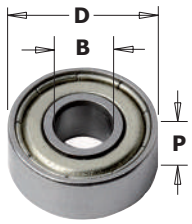

SOFTWOOD

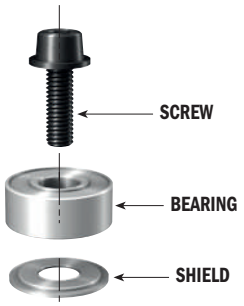

PLYWOOD


LAMINATE


SOLID SURFACE

791 BEARINGS





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

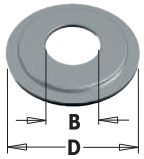


DELRIN® TRIANGULAR BEARINGS

ORDER NO.		ORDER NO. BULK	D inches	D mm	B inches	B mm	P mm
791.035.00	10	791.035.00/65 ■	1/4	6.35	1/8	3.17	2.8
791.062.00*	10			9.3	3/16	4.76	3.17
791.002.00	10	791.002.00/65 ■	3/8	9.52	3/16	4.76	3.2
791.063.00*	10			12.5	3/16	4.76	4.98
791.003.00	10	791.003.00/65 ■	1/2	12.7	3/16	4.76	5
791.010.00	10	791.010.00/65 ■	1/2	12.7	1/4	6.35	4.8
791.022.00	10			13		5	4
791.018.00	10		5/8	15.8	3/16	4.76	5
791.009.00	10	791.009.00/65 ■	5/8	15.8	1/4	6.35	5
791.006.00	10			16		5	5
791.025.00	10			16		8	5
791.019.00	10		3/4	19	3/16	4.76	7.5
791.007.00	10			19		6	6
791.004.00	10	791.004.00/65 ■	3/4	19	1/4	6.35	7
791.034.00	10			19		8	6
791.011.00	10		3/4	19	1/2	12.7	4
791.012.00	10			22		8	6
791.005.00	10	791.005.00/65 ■		22		8	7
791.017.00	10		7/8	22.2	3/16	4.76	7.5
791.021.00	10		7/8	22.2	3/8	9.52	7
791.013.00	10		7/8	22.2	1/2	12.7	7
791.037.00	10			28		8	9
791.026.00	10			28		12	8
791.014.00	10		1-1/8	28.5	3/16	4.76	8.4
791.030.00	10		1-1/8	28.5		8	8.5
791.027.00	10	791.027.00/65 ■	1-1/8	28.5	1/2	12.7	8
791.033.00	10		1-1/4	31.7		8	5
791.015.00	10		1-1/4	31.7	1/2	12.7	8
791.016.00	10		1-3/8	34.9	3/16	4.76	11.5
791.031.00	10		1-3/8	34.9		8	11.6
791.029.00	10		1-3/8	34.9	1/2	12.7	11
791.028.00	10			37		12	12
791.020.00	10		1-1/2	38.1	1/2	12.7	13.3
10° DELRIN® CONICAL BEARINGS							
791.041.00	10		3/4	19	3/16	4.76	6.8
791.048.00	10			22	3/16	4.76	6.8
DELRIN® TRIANGULAR BEARINGS							
791.042.00	10		1/2	12.7	3/16	4.76	5.8
791.043.00	10		3/4	19	3/16	4.76	6.8
DELRIN® CYLINDRICAL BEARINGS							
791.044.00	10		1/2	12.7	3/16	4.76	5
791.045.00	10		5/8	15.8	3/16	4.76	7.2
791.046.00	10		3/4	19.05	3/16	4.76	6.8
791.047.00	10			37.4	1/2	12.7	15.7

■ *Minimum 50 pieces*

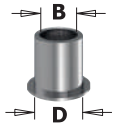
990 SHIELDS FOR BEARINGS



ORDER NO.		B inches	B mm	D inches	D mm	
990.422.00	10	3/16	4.76	3/8	9.52	
990.423.00	10	3/16	4.76	1/2	12.7	
990.425.00	10	1/4	6.35	3/4	19	
990.426.00	10	1/2	12.7	1-3/8	34.9	

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799 REDUCTION BUSHING FOR BEARING



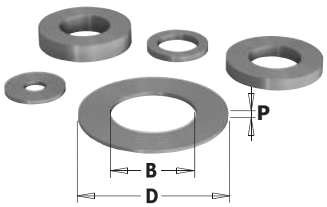
ORDER NO.		D inches	D mm	B inches	B mm
799.019.00	10	1/4	6.35	3/16	4.76
799.017.00	10	5/16	7.94	3/16	4.76
799.014.00	10	1/2	12.7	3/16	4.76

541 STOP COLLAR FOR TOP BEARING BITS



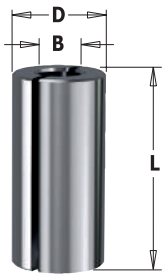
ORDER NO.		B inches	B mm
541.001.00	10	1/4	6.35
541.006.00	10	3/8	9.52
541.002.00	10	1/2	12.7

541 SHIELDS FOR ASSEMBLY



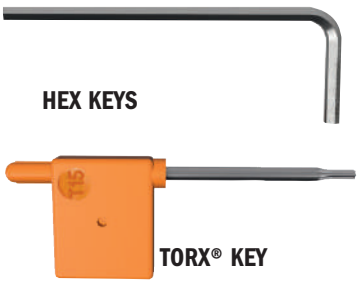
ORDER NO.		B mm	D mm	P mm	ORDER NO.		B mm	D mm	P mm
541.550.00	10	3.25	9	1.6	541.519.00	10	8	14.7	5.8
541.552.00	10	3.25	15.8	2	541.526.00	10	12	18	0.1
541.551.00	10	5.2	15.8	2.5	541.512.00	10	12	20	2
541.514.00	10	6.4	9.52	2.2	541.511.00	10	12	20	3
541.515.00	10	8	14	0.1	541.520.00	10	12	21	0.3
541.516.00	10	8	14	0.3	541.521.00	10	12	21	1.59
541.517.00	10	8	14	0.5	541.522.00	10	12	21	3.18
541.518.00	10	8	14	1	541.523.00	10	12	21	6.16
541.500.00	10	8	14.7	3	541.524.00	10	12	21	1
541.501.00	10	8	14.7	4	541.525.00	10	12	21	0.5

799 BUSHINGS



ORDER NO.		B inches	B mm	D inches	D mm	L inches
799.064.00	10	1/4	6.35	5/16	7.94	1
799.164.00	10	1/4	6.35	3/8	9.52	1
799.264.00	10	1/4	6.35	1/2	12.7	1
799.001.00	10	3/8	9.52	1/2	12.7	1

991 KEYS FOR SCREWS



ORDER NO.		DESCRIPTION	ORDER NO.		DESCRIPTION
HEX KEYS			TORX® KEY		
991.057.00	10	3/32" hex key for 1/8" screw	991.063.00	10	TORX® Key T8
991.056.00	10	1.5mm hex key	991.069.00	10	TORX® Key T9
991.060.00	10	2mm hex key	991.061.00	10	TORX® Key T15
991.062.00	10	2.5mm hex key	991.072.00	10	TORX® Key T20
991.067.00	10	3mm hex key	991.073.00	10	TORX® Key T25
991.064.00	10	4mm hex key	991.071.00	10	TORX® Key T30

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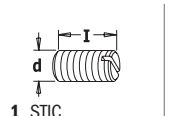
ORDER NO. S=Ø1/2" shank		DESCRIPTION
796.001.00	10	Router collet extension with 1/2" collet
796.001.01	10	Router collet extension with 1/4" collet
796.564.00	10	Spare collet 1/4"
796.627.00	10	Spare collet 1/2"

TECHNICAL DETAILS:
- Super strength steel.
- Precisely machined for accuracy.

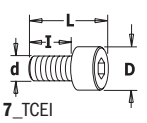
Collet included.

990 SCREW FOR BEARING





1_STIC



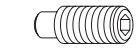
7_TCEI


2_STEI Flat


8_TSPEI


3_STEI Conical

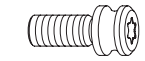

9_TCPTI

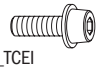

4_STEI Pin


10_TSPTI


5_TCEI Guide


11_TBTI


6_WEEKE®


12_TCEI

PACK QTY. 10 PC

ORDER NO.	d x l x L mm	D mm	TYPE	ORDER NO.	d x l x L mm	D mm	TYPE
990.008.00	M5x8		1	990.059.00	1/8"x1/2"x5/8"	5.5	7
990.003.00	M5x10		1	990.010.00	M5x10x15	8.5	7
990.016.00	M4x4		2	990.004.00	M4x4x6	8	8
990.091.00	M4x20		2	990.055.00	M5x9x12	9.8	8
990.015.00	M5x4		2	990.067.00	M5x5x8	9	8
990.001.00	M5x5		2	990.083.00	M6x8x10	8.8	8
990.006.00	M5x5 w/cup point		2	990.116.00	M6x8.7x12	12	8
990.005.00	M3x3		3	990.097.00	1/4"-20x7/8"	12	8
990.002.00	M5x5		3	990.058.00	1/8"x3/8"x1/2"	7	12
990.007.00	M6x6		3	TORX® SCREW			
990.013.00	M4x3		3	990.088.00	M5x11.5x17	8 T20	6
990.014.00	M4x4		3	990.082.00	M3x4x5.7	4.5 T8	9
990.087.00	M6x8		4	990.070.00	M2.5x3x4.5	3 T7	10
990.066.00	M6x16		4	990.071.00	M2.5x4.5x6	3.7 T8	10
990.084.00	M6x20		4	990.079.00	M4x2x3.2	6 T9	10
990.065.00	M8x12		4	990.080.00	M5x3.6x6.1	8.8 T25	10
990.064.00	M8x16		4	990.093.00	M5x5x8	9 T25	10
990.086.00	M8x20		4	990.063.00	M5x13x18	6.8 T15	10
990.068.00	M5x5x9	6	5	990.072.00	M3.5x3.5x6	6 T15	11
990.062.00	M2.5x6x8.5	4.5	7	990.094.00	M4x5.5x8	7.4 T20	11
990.051.00	M3x6x9	5.5	7	990.073.00	M3.5x5x7.2	9 T15	11
990.053.00	M3x10x13	5.5	7	990.077.00	M3.5x6x8.5	7 T15	11
990.054.00	M3x16x19	5.5	7	990.074.00	M4x3.5x5.7	9 T15	11
990.052.00	M4x6x10	7	7	990.076.00	M4x4x6.2	6 T15	11
990.061.00	M4x12x16	7	7	990.056.00	M4x4x6.2	8.8 T15	11
990.098.00	M6x25x31	10	7	990.078.00	M4x6x8	6 T15	11
990.099.00	M8x25x33	13	7	990.075.00	M4x6x8.2	9 T15	11

990.0 NUTS FOR ARBORS



ORDER NO.		DESCRIPTION
990.020.00	10	Nut for arbor M8 thread
990.022.00	10	Nut for arbor M12x1.25 thread

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CMT HISTORY

2022 to present:
90+ Countries Worldwide
230+ Employees

Marcello Tommassini is nominated CEO **2003**

60 CMT 1962-2022

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

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

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

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

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

1995 CMT USA Inc. (Greensboro NC) opens

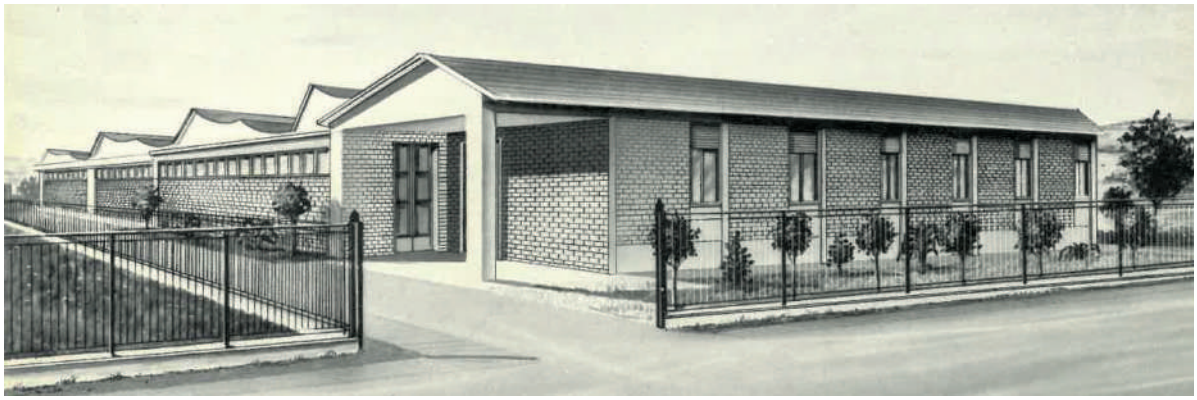
Osvaldo Tommassini opens the first workshop in downtown Pesaro

1962

1981 Permanent headquarters moves to the Chiusa di Ginestreto

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

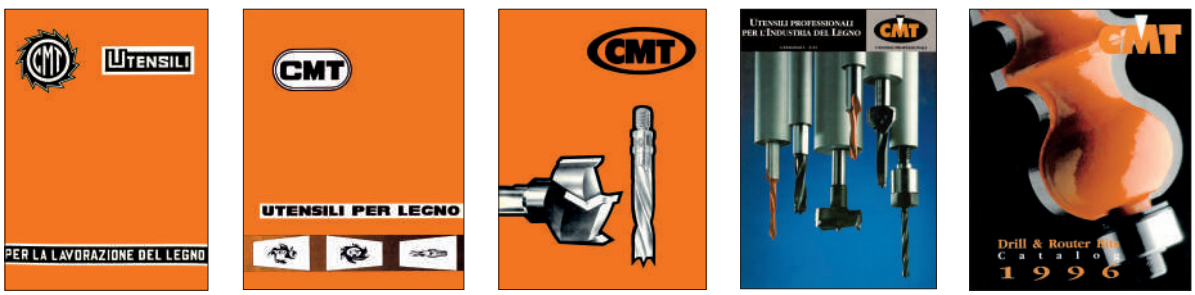


CMT headquarters in the 1970's

CMT LOGO EVOLUTION



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

Safety Recommendations & California Proposition 65

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.

EN SAW BLADES

ES SIERRAS CIRCULARES
FR LAMES DE SCIE CIRCULAIRES
IT LAME CIRCOLARI
DE KREISSÄGEBLÄTTER
PT SERRAS CIRCULARES
DA SAVKLINGER
PL PIŁY TARCZOWE
CZ PILOVÉ KOTOUČE
RU ПИЛЬНЫЕ ДИСКИ
TR TESTERELER
AR ديسكات قص

EN JIG & SABRE SAW BLADES, ACCESSORIES FOR OSCILLATING MULTI-TOOLS

ES HOJAS DE SIERRAS DE CALAR, SABLES Y ACCESSORIOS PARA MULTI-HERRAMIENTAS OSCILADORAS
FR LAMES POUR SCIES SAUTEUSES ET SCIES SABRES, ACCESSOIRES POUR OUTILS MULTIFONCTIONS
IT LAME PER SEGHETTI ALTERNATIVI ED A GATTUCCIO, ACCESSORI PER UTENSILE MULTIFUNZIONE OSCILLANTE
DE STICH- UND SÄBELSÄGEBLÄTTER, ZUBEHÖR FÜR OSZILLIERENDE MULTIFUNKTIONSWERKZEUGE
PT LÂMINAS DE SERRA E SERRA SABRE, LÂMINAS PARA MULTIFUNÇÕES
DA STIK- OG BAJONETSAVKLINGER, VÆRKTØJ TIL OSCILLERENDE MULTIVÆRKTØJ
PL BRZESZCZOTY DO WYRZYNAREK I PIŁ SZABLASTYCH, NARZĘDZIA DO URZĄDZEŃ OSCYLACYJNYCH
CZ PILOVÉ PLÁTKY A LISTY, NÁSTROJE PRO OSCILAČNÍ MULTIFUNKČNÍ NÁŘADÍ
RU ЛОБЗИКОВЫЕ, САБЕЛЬНЫЕ ПИЛКИ И ИНСТРУМЕНТ ДЛЯ РЕНОВАТОРОВ
TR TİLKİ KUYRUĞU KILIÇ TESTERE BIÇAKLARI, OSİLASYONLU ALET BIÇAKLARI
AR نصلات خراقة

EN ROUTER BITS, DOWEL DRILLS, BITS FOR DRILLS AND POWER TOOLS

ES FRESAS DE MANGO, DE TALADRADORAS, BROCAS Y PARA ELECTROFRESADORAS
FR FRAISES POUR DÉFONCEUSE, MÈCHES, MÈCHES POUR PERCEUSES ET OUTILS ÉLECTROPORTATIFS
IT FRESE, PUNTE FORATRICI, PUNTE PER TRAPANI ED ELETTROUTENSILI
DE FRÄSER, DÜBELBOHRER, BITS FÜR BOHRMASCHINEN UND ELEKTROWERKZEUGE
PT FRESAS, BROCAS MULTIFURADOURA, BROCAS
DA OVERFRÆSEBOR, DYVELBOR, BOR
PL FREZY I WIERTŁA
CZ STOPKOVÉ FRÉZY, KOLÍKOVACÍ VRTÁKY, VRTÁKY
RU ФРЕЗЫ КОНЦЕВЫЕ, СВЕРЛА
TR FREZE BIÇAKLARI, DÜBEL MATKAPLARI, MATKAPLAR
AR ريش فارزة

EN HOLE SAWS

ES SIERRAS DE CORONA
FR SCIES-CLOCHE
IT SEGHE A TAZZA
DE LOCHSÄGEN
PT BROCAS CRANEANAS
DA HULSAVE
PL OTWORNICE
CZ KORUNKOVÉ VRTÁKY
RU КОЛЬЦЕВЫЕ ПИЛЫ
TR DELİCİ TESTERELER
AR فتاحة صاج

EN CUTTER HEADS

ES CABEZALES
FR PORTE-OUTILS
IT TESTE PORTACOLTELLI
DE MESSERKÖPFE
PT PORTA-LÂMINAS
DA FRÆSEHOVEDER
PL GŁOWICE TNĄCE PROFILOWE
CZ FRÉZOVACÍ HLAVY
RU ФРЕЗЫ НАСАДНЫЕ
TR KESİCİ BAŞLIKLAR, TEMİZLEME TOPLARI
AR رؤوس قطع

EN ACCESSORIES

ES ACCESORIOS
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PL AKCESORIA
CZ PŘÍSLUŠENSTVÍ
RU АКСЕССУАРЫ
TR AKSESUARLAR
AR ملحقات

CALIFORNIA PROPOSITION 65:

In 2016, the State of California amended its Safe Drinking Water and Toxic Enforcement Act, better known as Proposition 65. These amendments modified regulations related to required product warning labels. Proposition 65 requires that businesses operating in California, as well as businesses marketing products that may eventually find their way into the California marketplace, must provide "clear and reasonable" warnings to Californians about the presence of certain chemicals in the products they purchase.

CMT is taking a proactive stance in implementing these new product warning labels because our customers' well-being and safety is our top priority.

Each and every CMT product that contains a chemical determined by the State of California to pose a risk of cancer, birth defects or other reproductive harm has been labelled with an updated warning on the product packaging.

We thank you for your business and will continue with our commitment to safe, high-quality products.

WARNING: The products listed and described in this catalogue can expose you to chemicals including nickel, cobalt and formaldehyde, which are known to the State of California to cause cancer and lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm.
For more information go to www.P65Warnings.ca.gov.

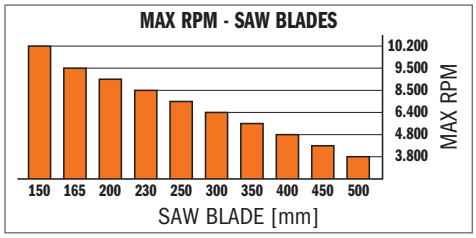
WARNING: Drilling, sawing, sanding or machining wood products can expose you to wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection.
For more information go to www.P65Warnings.ca.gov/wood

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.



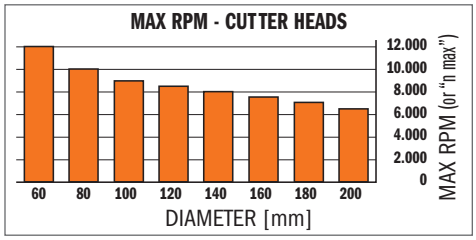
For specific RPM, follow marking on the tool/packaging.

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.



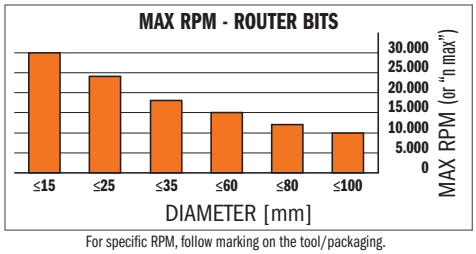
For specific RPM, follow marking on the tool/packaging.

ROUTER BITS, DOWEL DRILLS, BITS FOR DRILLS AND POWER TOOLS SAFETY



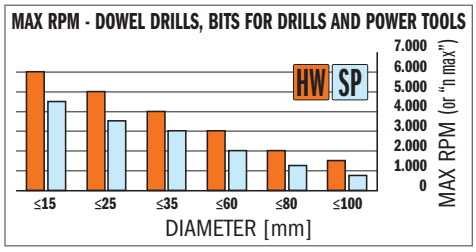
WARNING! WEAR PROTECTIVE GLOVES WHEN HANDLING AND REMOVING THE TOOL FROM ITS PACKAGING.
REMOVE ALL PACKAGING MATERIALS, INCLUDING PROTECTIVE PLASTIC ELEMENTS, FROM THE TOOL SHANK BEFORE USE.
Before using the tool, carefully read ALL safety recommendations available on our website www.cmtorangetools.com (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.

What parameters should be considered when routing?

Answering the following questions will provide you with the answer!

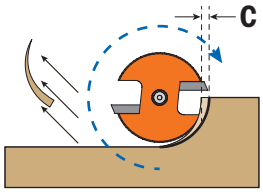
- **What equipment is in use?** Using outdated machinery is not the same as using brand new high quality equipment! It is important to understand that phenomena such as vibration is the direct result of wear and tear, which can lead to a poor quality finish. In order to dampen vibration, feed rate is critical and quite often, higher feed rates are associated with better finishing results.
- **What factors influence bit performance?** 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.
- **Which is the best bit for the job?** 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 desired cutting depth?** In order to increase cutting depth, it is necessary to reduce the feed rate and vice versa for shallower cuts.
- **What is the running speed of the machine in use?** 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 is the desired edge finish?** 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 to achieve the finish you want.
- **What are the requirements and challenges of the materials you're working with?** Wood is a good example of natural fiber composite. It's naturally 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's an anisotropic material, that is, directionally dependent, implying different properties in different directions. 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's 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
Poor finishing	• Cutting depth • Vibrations	• Rotation speed • Dust extraction • Number of cutting edges • Clamping cutter/chuck
Cutting edge wear	• Rotation speed • Vibrations	• Feed speed
Cutting edge burns	• Rotation speed • Number of cutting-edges	• Feed speed
Cutting edge debris	• Cutting depth	• Rotation speed • Feed speed • Dust extraction
Vibrations	• Rotation speed • Cutting depth	• Machine firmness • Workpiece firmness
Cutter breakage	• Feed speed • Cutting depth • Vibrations	• Shank diameter • Collet clamping • Change tool material or geometry

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

CMT's Limited Warranty and Procedures

ONE-YEAR LIMITED WARRANTY:

1. CMT tools are designed, engineered and manufactured for optimum performance and service. If, for any reason, the first retail purchaser ("**you**") are not satisfied during the one (1) year period from the purchase date with the performance of the tools, and the tools were used only for their recommended application and in accordance with CMT's recommendations, you may return them to CMT for replacement. This Limited Warranty excludes normal wear and tear, dull, abused, misused, modified, damaged or resharpened tools. CMT shall not be liable for damages, including for damages to property or persons, arising out of improper installation, missuse or misapplication of tools.
2. ALL IMPLIED WARRANTIES FOR THE TOOLS, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL NOT EXTEND BEYOND THE LIMITED WARRANTY PERIOD SET FORTH ABOVE. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.
3. The remedy provided in paragraph 1 is your sole and exclusive remedy for all claims and causes of action arising out of or related to the tools. IN NO EVENT SHALL CMT'S LIABILITY, WHETHER IN CONTRACT, TORT, STRICT LIABILITY OR OTHERWISE, EVER EXCEED THE PURCHASE PRICE OF THE TOOL AT ISSUE.

RETURNED TOOLS:

CMT will accept the return of tools that are defective or have been shipped in error. All returned tools must be accompanied by proof of purchase and a return authorization number, which must be obtained from CMT headquarters or a CMT authorized agent PRIOR to the return.

Other than tools shipped in error or for defective tools, if a return is authorized by CMT in its sole discretion, the following conditions apply:

1. A NEW ORDER IS PLACED TO REPLACE THE RETURNED TOOLS

a. If the returned tools are ready to be restocked (no damages to the tools and packaging is in good condition), no charge will be applied.
b. If the returned tools need to be repacked and/or relabeled, a 10% restocking fee will be applied.

2. NO ORDER IS PLACED TO REPLACE THE RETURNED TOOLS

c. If the returned tools are ready to be restocked (no damages to the tools and packaging is in good condition), a 10% restocking fee will be applied.
d. If the returned tools need to be repacked and/or relabeled, a 20% restocking fee will be applied.
3. The shipper is responsible for paying transportation charges.
4. Any approved return of inventory must be accompanied by an order in an amount at least equal to the net value of the credit.
5. Written authorization must be obtained from CMT before the return will be accepted.

GENERAL CONDITIONS:

CMT reserves the right to make from time to time changes to the tools without notice and without obligating itself to make these changes on previously sold tools. Title and risk of loss or damage to the tools passes to the Buyer upon delivery (and if shipped, upon delivery to the carrier regardless of who pays the shipping cost).

This warranty is not transferable. CMT expressly disclaims all other statements or representations of warranties, remedies, product quality or performance made by sales representatives, dealers, distributors, retailers, authorized agents, or in literature or documents given to Buyer. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

LIABILITY:

UNDER NO CIRCUMSTANCES SHALL CMT BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, INDIRECT, PUNITIVE OR SPECIAL DAMAGES, INCLUDING LOST PROFITS, ARISING FROM THE USE OF, INSTALLATION OF, DEFECT IN, INABILITY TO USE, OR PROPERTY DAMAGE OR INJURY CAUSED BY THE TOOLS OR OTHERWISE. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

DISPUTES:

To the extent allowed by law, Buyer consents to the exclusive jurisdiction of the state courts of North Carolina and federal district court for the middle district of North Carolina for the adjudication of all claims and disputes arising out of or related to the tools and waives any objection to venue or convenient forum with respect to said courts. This Limited Warranty and Procedures and the performance hereunder shall be deemed made and performed in the State of North Carolina, and the laws of that State of North Carolina (excluding conflict of law provisions) shall govern its interpretation, construction and enforcement.

CMT USA, INC. 7609 BENTLEY ROAD SUITE D, GREENSBORO, NC 27409 PHONE 336-854-0201 FAX 336-854-0903

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SCM®
SILESTONE®
SKIL®
SMART®
STARLOCK®
STARLOCKMAX®
STARLOCKPLUS®
STAYER®
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TREX®
VECTURO®
VELCRO®
VERANDA®
VIRUTEX®
VITAP®
WEEKE®
WEGOMA®
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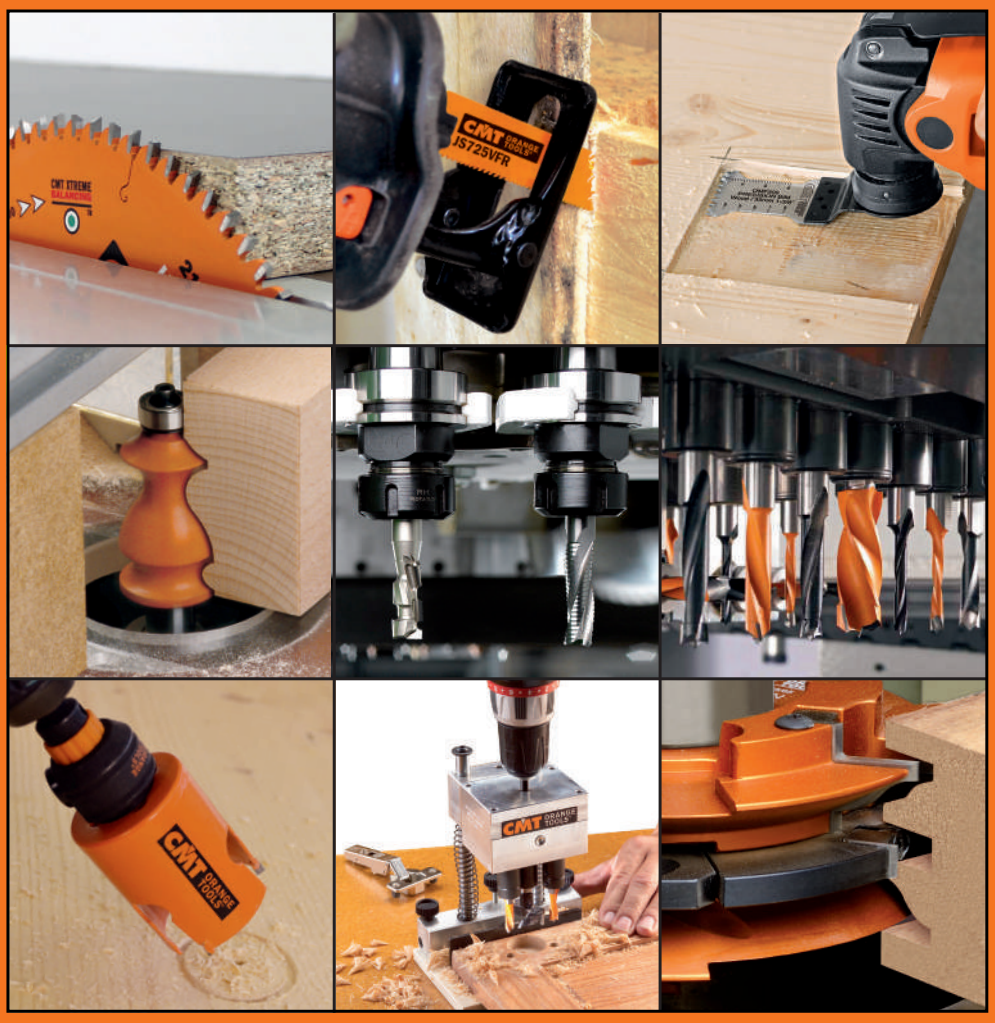
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Explanation of Symbols

CARBIDE TIPPED CARBIDE TIPPED TUNGSTEN CARBIDE TIPPED	SOLID CARBIDE 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	
T1 ONE CUTTING EDGE	T2 TWO CUTTING EDGES	T3 THREE CUTTING EDGES	T3R THREE CUTTING EDGES WITH CHIPBREAKER
T4 FOUR CUTTING EDGES	T6 SIX CUTTING EDGES		
T1+1 ONE + ONE CUTTING EDGES	T2+1 TWO + ONE CUTTING EDGES	T2+2 TWO + TWO CUTTING EDGES	T3+3 THREE + THREE CUTTING EDGES
T6+3 SIX + THREE CUTTING EDGES	V2 ONE 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	SPIRAL BORING	AVOID AXIAL PLUNGING	NOT FOR HAND HELD USE FOR ROUTER TABLE ONLY
ANTIKICK-BACK	ORANGE CHROME ORANGE CHROME®	NON-STICK ORANGE SHIELD COATING NON-STICK ORANGE SHIELD COATING®	EXTRA HARD DLCS CHROME COATING DLCS CHROME 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 LONGER LIFE THAN CARBIDE 60X LONGER LIFE THAN CARBIDE 40X/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	

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