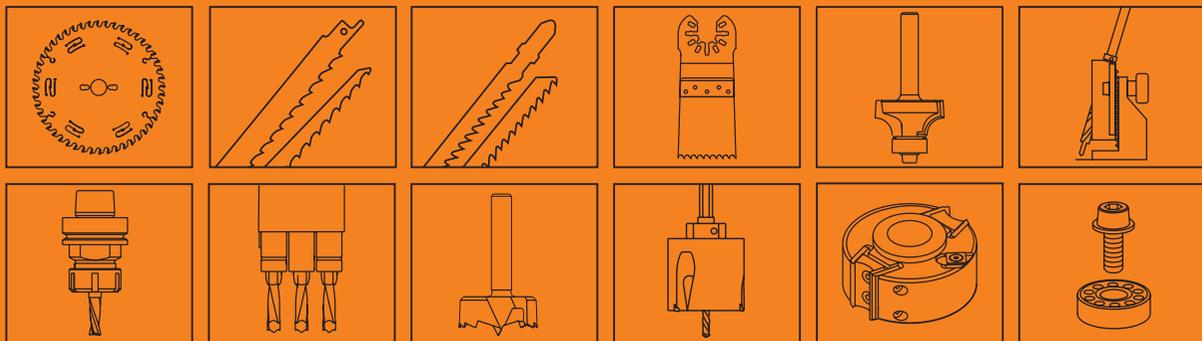


CMT ORANGE TOOLS®



THE WIDEST TOOLING RANGE



CATALOG USA/CAN EDITION 2020



SAW BLADES

4~56



RECIPROCATING SAW BLADES

57~67



JIG SAW BLADES

69~75



TOOLS FOR MULTI-CUTTERS

77~104



ROUTER BITS & SETS

105~222



JIGS & ACCESSORIES

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CNC ROUTER BITS & CHUCKS

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BORING BITS

275~279



HOLE SAWS

280~292



CUTTER HEADS & KNIVES

293~329



SPARE PARTS

330~332



SINCE 1962 - MADE IN ITALY THEN, STILL MADE IN ITALY TODAY

By now, the story has been told. After over 50 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.



Italian Headquarters 100,000 square feet



US Headquarters 40,000 square feet

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.

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 as the person using it, everything is operated by specifically trained operators.



Loading the automated multi-axis CNC sharpening machines.



THE FINAL TOUCH

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

QUALITY CONTROL

Nobody's perfect, but we're trying. CMT uses rigorous quality control programs and the latest generation machining equipment to ensure that each bit has been manufactured with precision and accuracy and that it will give the long-lasting performance you expect from a CMT orange 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.



Pesaro, Italy

Greensboro, United States

OUR CHANNELS



www.cmtorangetools.com



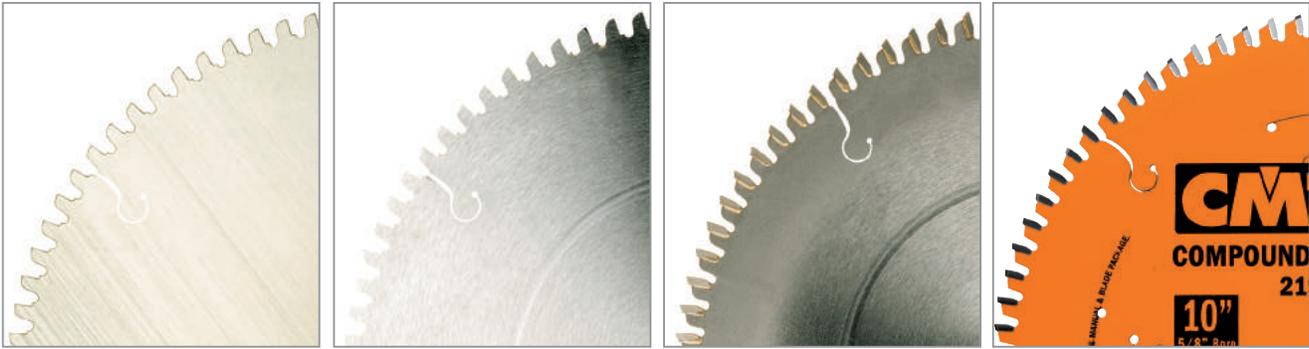
www.youtube.com/user/cmtorangetools



www.facebook.com/cmt.italy



www.instagram.com/cmt_orangetools



► **Laser cutting** The steel plate of the blade is laser cut, NEVER die cut, from superior strength steel. This way of cutting steel is not only extremely precise but it makes it possible to cut harder strengths of steel and does not stress the plate while cutting, so the resulting blade is flat and true and more resistant to warping.

► **Grinding and tensioning** After it has been cut, the blade is polished and tensioned, the evidence of which can be seen in the superior finish as well as the tension ring visible on the blade. Then the central bore is ground to a smooth finish so that the blade will fit precisely on the saw arbor and will have perfect concentricity during rotation. The seats for the carbide teeth are also ground, making sure that the carbide tips fit perfectly, providing the right conditions for making a secure braze.

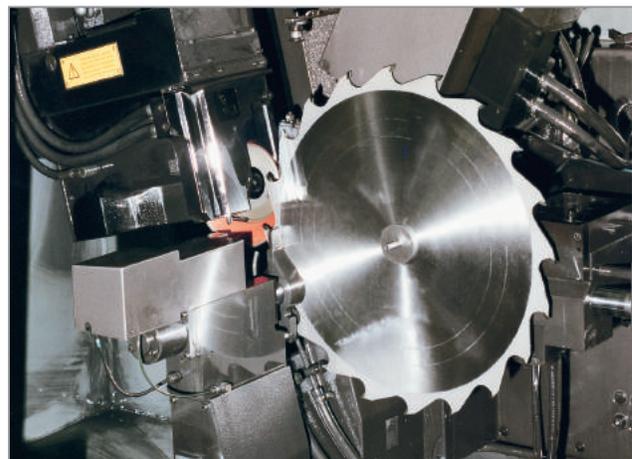
► **Silver-copper-silver sandwich brazing** Once again, experience has been a good teacher. Automated brazing with a special silver-copper-silver “sandwich” brazing compound yields excellent results and reduces the chances of failed welds. In addition, this combination of metals is critical during brazing because as the steel body and the carbide tipped teeth are heated and cooled, they expand and contract at different rates. The copper layer acts as a buffer and keeps the carbide from cracking during cool down shrinkage. When woodworking, the copper provides flexibility and resistance to impact which in turn protects the carbide tips and steel shoulders when cutting through harder substances or knots in the wood.

► **Specially formulated carbide tips** What is true for router bit carbide tips is also true for the carbide tips on saw blades: what’s good for one type of blade may not be good for another. At CMT, we have studied carbide formulas and their impact on blade performance and have developed specially formulated carbide tips to match each blade’s application. Larger blades require an extra-fine yet harder carbide that holds its edge and resharps easily, while smaller blades need a special carbide that can withstand the occasional nail or imperfection that is often encountered in construction work. For each blade and each use, there is carbide made especially for it.

► **Sharpening and laser marking** The final step is sharpening the micrograin carbide teeth. During the sharpening phase, each angle is ground to razor-sharp precision - down to the Milacron - on multi-axis CNC machines. We also laser mark our blades so you have all the details about the blade type and its uses, right there on the blade.



Grinding and tensioning the blades.



Sharpening the carbide tips.

Maximize Your Saw's Performance



BLADE RANGE	ORANGE CHROME®/XTREME	INDUSTRIAL PTFE COATED	INDUSTRIAL ITK ORANGE®	Contractor ITK PLUS®	CMT CONTRACTOR TOOLS®
PERFORMANCE	SUPERIOR ★★★★★	SUPERIOR ★★★★★	BEST ★★★★★	BETTER ★★★	GOOD ★★
DESCRIPTION	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 rust, corrosion and guarantees long-lasting performance. 	Designed for professional woodworkers and finish carpenters who run their blades all day long demanding ultimate precision and extended life, while conquering the most challenging applications. 	Designed for the professional woodworker and construction craftsman, CMT's thin-kerf industrial quality blade line delivers an outstanding cut, minimal stock removal and the least possible stress to your saw! 	Designed for professionals and remodelers, CMT's ITK PLUS® line delivers clean, fast and effortless cutting through wood and wood composites. A perfect balance of features and attractive price makes the ITK PLUS® line a great value. 	Designed for the contractor and remodeler CMT's Contractor thin-kerf blade line delivers solid performance at a very economical price. Ideal for any construction projects that require cutting wood and wood composite. 
USER	Professional Woodworker	Professional	Professional & Contractor	Contractor & Remodeler	Contractor & Remodeler
USAGE	Run All Day	Run All Day	Heavy Daily Use	Daily Use	Daily Use
PRICE POINT	Premium	Premium	Upper Mid	Mid	Value
MATERIALS	Wood, Plywood, OSB, Laminate, Melamine, Moldings, MDF.	Wood, Plywood, OSB, Laminate, Melamine, Moldings, MDF.	Wood, Composite Decking, Plywood, OSB, Laminate, Melamine, Moldings, MDF, Non-Ferrous Metals.	Wood, Composite Decking, Plywood, OSB, Laminate, Melamine, MDF and Fiber Cement.	Wood, Composite Decking, Plywood, OSB, Laminate, Melamine, MDF.
STEEL PLATE	LASER-CUT PREMIUM QUALITY STEEL PLATE Made of 46-48 HRC precision German steel which is laser-cut to provide tighter tolerances ensuring longer life and more accurate cuts.	LASER-CUT PREMIUM QUALITY STEEL PLATE Made of 46-48 HRC precision German steel which is laser-cut to provide tighter tolerances ensuring longer life and more accurate cuts.	LASER-CUT PREMIUM QUALITY STEEL PLATE Made of 46-48 HRC precision German steel which is laser-cut to provide tighter tolerances ensuring longer life and more accurate cuts.	HEAVY-DUTY LASER CUT PLATE Made of a thin & strong plate, laser cut from the finest steel which is then hardened to 44 HRC to ensure a longer life and more accurate cuts.	HEAVY-DUTY STAMPED DIE CUT PLATE Made of a thin & strong plate cut from the finest steel which is then hardened to 44 HRC to ensure a longer life and more accurate cuts.
CARBIDE TEETH	 INDUSTRIAL CHROMIUM MICROGRAIN 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.	 INDUSTRIAL CHROMIUM MICROGRAIN CARBIDE Special formulated chromium micrograin carbide which stays sharper longer by reducing cutting edge abrasion, improving cut quality and tool life.	 FINEST MICROGRAIN CARBIDE Finest grade of micrograin carbide which stays sharper longer and provides greater resistance to impact.	 INDUSTRIAL SINTERHIP HI-DENSITY CARBIDE The new process SinterHIP (high temperature 3500°F and high pressure 1500 psi) creates a porosity-free and Hi-Density carbide which provides a longer cutting life than tradition carbide.	 LONG LASTING CONSTRUCTION GRADE CARBIDE Specially formulated construction grade carbide which provides a longer cutting life and greater resistance to impact.
KERF	FULL KERF	FULL KERF	THIN-KERF	THIN-KERF	THIN-KERF
BRAZING	 TRI-METAL BRAZING The Silver-Copper-Silver tri-metal brazing process lets the teeth withstand severe impact caused by cutting harder wood and composite material.	 TRI-METAL BRAZING The Silver-Copper-Silver tri-metal brazing process lets the teeth withstand the severe impact caused by cutting harder woods and composite material.	 TRI-METAL BRAZING The Silver-Copper-Silver tri-metal brazing process lets the teeth withstand the severe impact caused by cutting harder woods and composite material.	SILVER BRAZING The silver brazing process lets the teeth withstand the standard impact caused by cutting soft woods and composite material.	SILVER BRAZING The silver brazing process lets the teeth withstand the standard impact caused by cutting soft woods and composite material.
COATING	 CHROME COATING Blade plate is covered with a chrome layer to protect your tool against corrosion and rust, guaranteeing longer tool life.  HARD LACQUER Protects against corrosion and rust.	 NON-STICK ORANGE SHIELD COATING Prevents overheating, protects against corrosion and rust, reduces resin build-up, reduces blade drag, and improves performance and cutting life.	HARD LACQUER Protects against corrosion and rust.	 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.	HARD LACQUER Protects against corrosion and rust.
EXPANSION SLOTS	 LASER-CUT HEAT EXPANSION SLOTS Engineered to allow the blade to expand when heat build-up occurs from use, preventing blade warping.	LASER-CUT HEAT EXPANSION SLOTS Engineered to allow the blade to expand when heat build-up occurs from use, preventing blade warping.	LASER-CUT HEAT EXPANSION SLOTS Are engineered to allow the blade to expand when heat build-up occurs from use, preventing blade warping.	LASER-CUT HEAT EXPANSION SLOTS Engineered to allow the blade to expand when heat build-up occurs from use, preventing blade warping.	HEAT EXPANSION SLOTS Engineered to allow the blade to expand when heat build-up occurs from use, preventing blade warping.
SOUND DAMPENING CHANNELS	LASER-CUT SLOTS FILLED WITH SOUND-DAMPENING MATERIAL Specifically designed to dampen running noise and control wobbling caused by unwanted harmonic vibration.	LASER-CUT SOUND-DAMPENING CHANNELS Specifically designed to dampen running noise and control wobbling caused by unwanted harmonic vibration.	LASER-CUT SOUND-DAMPENING CHANNELS Are specifically designed to dampen running noise and control wobbling caused by unwanted harmonic vibration.	LASER-CUT SOUND-DAMPENING CHANNELS Specifically designed to dampen running noise and control wobbling caused by harmonic vibration.	×
TENSIONING RINGS	TENSIONING RING A visible tensioning ring on the blade provides stability while cutting and perfect concentricity during rotation.	TENSIONING RING A visible tensioning ring on the blade provides stability while cutting and perfect concentricity during rotation.	TENSIONING RING A visible tensioning ring on the blade provides stability while cutting and perfect concentricity during rotation.	×	×
SHARPENING	 PRECISION MIRROR FINISH SHARPENING Each tooth is ground to razor sharp precision on a multi-axis CNC machine which creates perfect edge angles, guaranteeing extra-clean cuts and extended life. Featuring less than 0.25 µm Rmax in edge roughness.	 PRECISION MIRROR FINISH SHARPENING Each tooth is ground to razor sharp precision on a multi-axis CNC machine which creates perfect edge angles, guaranteeing extra-clean cuts and extended life. Featuring less than 0.25 µm Rmax in edge roughness.	 PRECISION SHARPENING Each tooth is ground to razor sharp precision on a multi-axis CNC machine which creates perfect edge angles, guaranteeing extra-clean cuts and extended life. Featuring less than 0.40 µm Rmax in edge roughness.	 SHEAR ANGLE SHARPENING The shear angle grind on the face front of each tooth produces smooth cuts, and reduces the cutting force needed thereby improving cutting speed and setting a new standard for performance.	STANDARD SHARPENING Each tooth is sharpened with accuracy to guarantee clean cuts and longer lifetime.
PAGE	8 ~ 21	26 ~ 31	32 ~ 37	38 ~ 49	50 ~ 56

Guide to choosing a 10" saw blade

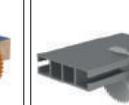
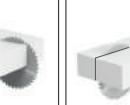
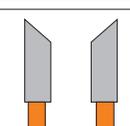
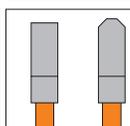
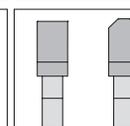
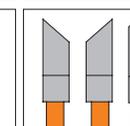
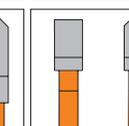
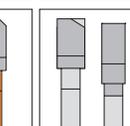
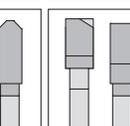
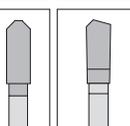
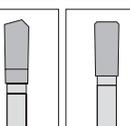


Material	WOOD					WOOD & WOOD COMPOSITES		
Description	Ripping	Glue Line Rip	General Purpose	Ultimate General Purpose	Combination	Fine Crosscutting	Slide Miter / Radial Arm	Fine Cut-Off
For this cut								
Material Type	Soft & Hardwood	Soft & Hardwood	Soft & Hardwood, Plywood	Soft & Hardwood, Plywood	Soft & Hardwood, Plywood	Soft & Hardwood, Plywood, Chipboard	Soft & Hardwood, Plywood, Chipboard	Soft & Hardwood, Plywood, Chipboard
Material Thickness	3/4" to 2-1/2"	1/4" to 1"	Rip 1/4" to 1" Cross 3/4" to 3-1/2"	Rip 1/4" to 1-1/2" Cross 3/4" to 3-1/2"	Rip 1/4" to 1-1/2" Cross 3/4" to 3-1/2"	1/2" to 2-1/2"	1/2" to 2-1/2"	1/4" to 1-1/2"
Tooth Count	24T	30T	40T/42T	40T	50T	60T	60T	80T
Tooth Design								
Grind	Combi Grind FTG	TCG	Combi Grind ATB	High ATB	Combi Grind TCG+ATB	Combi Grind ATB	Combi Grind TCG+ATB	ATB
Hook Angle	20°	12°	18°	12°	12°	5°	7°	10°

FULL KERF								
PTFE	201.024.10		213.040.10		215.050.10	205.060.10		
XTREME	285.624.10	203.630.10	214.040.10	285.640.10	285.650.10	285.660.10		285.680.10
THIN KERF								
ITK	250.024.10		251.042.10		256.050.10	P10060	253.060.10	
ITK PLUS	P10024		P10042		P10050	K06010	P10060S	
CMT CONTRACTOR TOOLS	K02410		K04010					K08010



INDUSTRIAL

WOOD & WOOD COMPOSITES				SPECIALITY				
Ultimate Plywood & Melamine	Stacked Chipboard	Single-Sided Laminates/Melamine	Double-Sided Laminates/Melamine	Non-Ferrous Metal	Steel & Metal	Stainless Steel	Plastics	Solid Surface
								
Soft & Hardwood, Plywood, Two-Sided Melamine	Plywood, Chipboard, One-Sided Melamine	Plywood, Chipboard, Laminates, One-Sided Melamine	Plywood, Chipboard, Laminates, Two-Sided Melamine, Molding	Aluminum, Copper, Brass	Iron and Steel, Rod, Pipe, Bar, Channel, Sheet	Stainless Steel Pipe, Bar, Sheet	Thin Plastic, Phenolic, Plexiglass, Vinyl, Laminate Flooring	Solid Surface, Thick Plastic, Double-Sided Laminate
1/4" to 1-1/2"	1" to 3-1/2"	1/4" to 1-1/2"	1/4" to 1-1/2"	1/4" MAX	1/4" MAX	1/8" MAX	1/4" to 1-5/8"	1/4" to 1-5/8"
80T	60T	80T	80T	80T	48T/60T	72T	80T	72T
								
High ATB	TCG	TCG	Combi Grind TCG+ATB	TCG	FWF	FWF	MATB	MTCG
5°	10°	5°	-5°	-7°	0°	0°	-3°	0°
FULL KERF				FULL KERF				
210.080.10 283.680.10	221.060.10 281.660.10	281.680.10	219.080.10 281.681.10	225.680.10	226.048.10 226.060.10	226.572.10	222.080.10	223.672.10
THIN KERF				THIN KERF				
255.080.10 P10080	P10060L	P10080N		254.080.10 P10080N				
 CARBIDE HARDNESS HIGH 				 LOW CARBIDE HARDNESS HIGH 				

INDUSTRIAL CHROME/XTREME

SUPERIOR

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.



CHROME COATING®

Chrome plated blade:

- protects the tool against corrosion, rust and accumulation of resin and residues
- guarantees longer tool life
- power absorbed by motor is significantly reduced
- tool moves smoothly throughout cutting operation
- tool maintenance fast and easy
- surface hardness: 380/400 Vickers



LASER-CUT PREMIUM-QUALITY STEEL PLATE

Made of 46-48 HRC precision German steel which is laser-cut to provide tighter tolerances ensuring longer life and more accurate cuts.

LASER-CUT HEAT EXPANSION SLOTS

Engineered to allow blade expansion from the stress of centrifugal force and heat build-up during heavy use, preventing blade warping.



FILLED SLOTS

LASER-CUT SLOTS FILLED WITH SOUND-DAMPENING MATERIAL

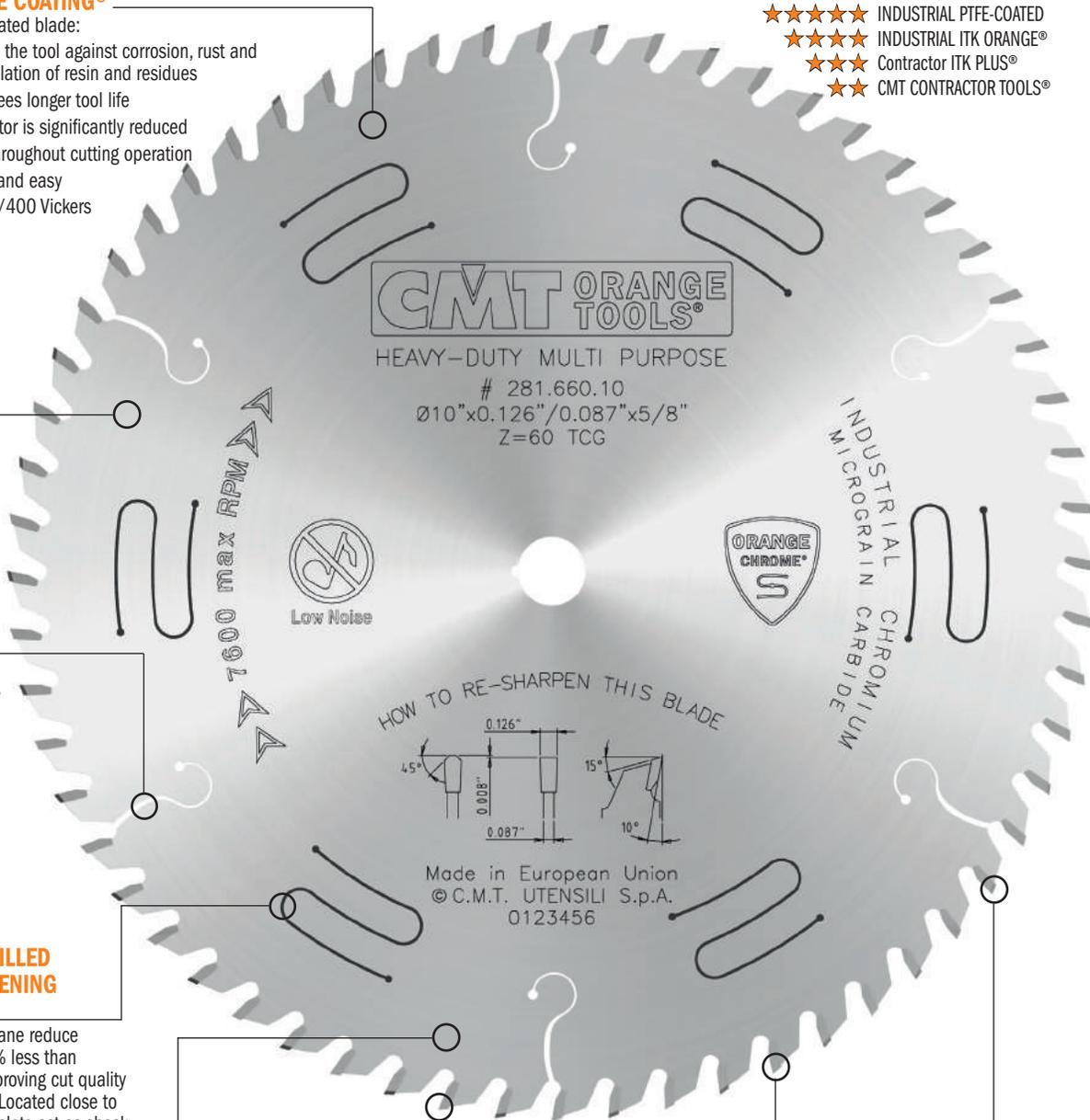
Slots filled with polyurethane reduce vibrations and noise (25% less than standard saw blades) improving cut quality and extending blade life. Located close to the toothed crown, these slots act as shock absorbers isolating the teeth from vibration. In full compliance with National Noise Emission Standards and Regulations.

FLATNESS OF BODIES & BALANCING

Blade body flatness, obtained via straightening processes, guarantee exceptionally reduced tolerances. Balancing performed on all saw blades guarantees maximum stability.

TENSIONING RING

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



CMT ORANGE TOOLS®

HEAVY-DUTY MULTI PURPOSE

281.660.10

Ø10" x 0.126" / 0.087" x 5/8"

Z=60 TCG

1600 max RPM

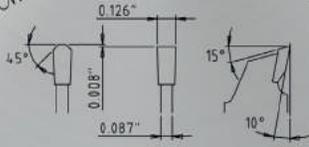


Low Noise



INDUSTRIAL CHROME
MICROGRAIN CARBIDE

HOW TO RE-SHARPEN THIS BLADE

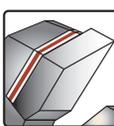


Made in European Union
© C.M.T. UTENSILI S.p.A.
0123456



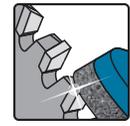
INDUSTRIAL CHROME CARBIDE

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

The Silver-Copper-Silver tri-metal brazing process lets the teeth withstand the severe impact caused by cutting harder woods and composite material.



PRECISION MIRROR FINISH SHARPENING

Each tooth is precision ground on a multi-axis CNC machine creating perfect edge angles and guaranteeing extra-clean cuts and extended life. Featuring less than 0.25 µm R max in edge roughness.

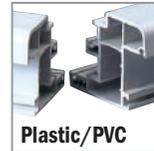
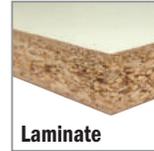
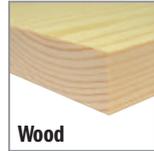
- ★★★★★ INDUSTRIAL CHROME/XTREME
- ★★★★★ INDUSTRIAL PTFE-COATED
- ★★★★★ INDUSTRIAL ITK ORANGE®
- ★★★★ Contractor ITK PLUS®
- ★★★ CMT CONTRACTOR TOOLS®



DELIVERED IN A UNIQUE
CMT CARDBOARD BOX.

INDUSTRIAL CHROME/XTREME

For use with:



Quality: Superior
User: Professional
Usage: Run All Day
Coated: Hard Lacquer
Kerf: Full

DIAMETER	BORE	MACHINE USE	APPLICATIONS	MATERIALS	TEETH	KERF	ORDER NO.	PAGE
5-3/8"	10mm	Trim & Cordless Saw	Dry-Cut	Steel & Metal	30 FWF	0.059"	226.030.05	20
5-3/8"	20mm	Trim & Cordless Saw	Dry-Cut	Steel & Metal	30 FWF	0.059"	226.030.05H	20
6-1/2"	5/8" ⚙	Circular & Cordless Saw	Dry-Cut	Steel & Metal	36 FWF	0.059"	226.036.06	20
7-1/4"	5/8" ⚙	Circular & Cordless Saw	Demolition Emergency	Wood based with nails	24 TCG	0.063"	286.024.07	21
7-1/4"	5/8" ⚙	Circular & Cordless Saw	Dry-Cut	Steel & Metal	48 FWF	0.079"	226.048.07	20
7-1/4"	5/8" ⚙	Circular & Cordless Saw	Dry-Cut	Stainless Steel	48 FWF	0.079"	226.548.07	20
8-8-1/4"	5/8" ⚙	Circular Saw	Dry-Cut	Stainless Steel	48 FWF	0.087"	226.048.08	20
8-1/2"	5/8"	Slide/Miter/Radial Arm Saw	Fine Finish	Non-Ferrous Metals	60 TCG	0.122"	225.060.08	19
10"	5/8"	Chop Miter & Table Saw	Ripping	Wood	24 FLAT	0.126"	285.624.10	10
10"	5/8"	Chop Miter & Table Saw	Glue Line Rip	Wood	30 TCG	0.126"	203.630.10	10
10"	5/8"	Chop Miter & Table Saw	General Purpose	Wood, Plywood	40 HIATB	0.126"	285.640.10	11
10"	5/8"	Chop Miter	Dry-Cut	Stainless Steel	48 FWF	0.087"	226.048.10	20
10"	5/8"	Chop Miter & Table Saw	Ripping	Wood, Plywood	50 ATB+TCG	0.126"	285.650.10	11
10"	5/8"	Chop Miter & Table Saw	Finish	Wood, Plywood	60 ATB	0.126"	285.660.10	12
10"	5/8"	Chop Miter & Table Saw	Finish	Chipboard, Melamine	60 TCG	0.126"	281.660.10	15
10"	5/8"	Chop Miter	Dry-Cut	Stainless Steel	60 FWF	0.087"	226.060.10	20
10"	5/8"	Chop Miter & Table Saw	Fine Finish	Solid Surface & Laminate	72 MTCG	0.126"	223.672.10	18
10"	5/8"	Slide/Miter/Radial Arm Saw	Fine Finish	Non-Ferrous Metals	72 TCG	0.122"	225.672.10	19
10"	5/8"	Chop Miter	Dry-Cut	Stainless Steel	72 FWF	0.087"	225.672.10	20
10"	5/8"	Chop Miter & Table Saw	Fine Finish	Wood, Plywood	80 ATB	0.118"	285.680.10	12
10"	5/8"	Chop Miter & Table Saw	Fine Finish	Chipboard, Melamine	80 HIATB	0.126"	283.680.10	13
10"	5/8"	Chop Miter & Table Saw	Fine Finish	Chipboard, Melamine	80 TCG	0.126"	281.680.10	15
10"	5/8"	Chop Miter & Table Saw	Fine Finish	Chipboard, Melamine	80 TCG	0.126"	281.681.10	14
10"	5/8"	Chop Miter & Table Saw	Fine Finish	Plastic & Plexiglass	80 MATB	0.110"	222.080.10	18
10"	5/8"	Chop Miter & Table Saw	Fine Finish	Non-Ferrous Metals	100 TCG	0.110"	284.700.10	19
12"	5/8"	Chop Miter & Table Saw	Fine Finish	Chipboard, Melamine	90 ATB	0.118"	274.691.12	14
12"	5/8"	Chop Miter & Table Saw	Fine Finish	Chipboard, Melamine	96 TCG	0.118"	281.709.12	14
12"	5/8"	Slide/Miter/Radial Arm Saw	Fine Finish	Non-Ferrous Metals	108 TCG	0.118"	225.709.12	19
12"	1"	Circular Rescue Chop Saw	Demolition Emergency	Wood based with nails	24 TCG	0.126"	286.024.12	21
12"	1"	Chop Miter	Dry-Cut	Stainless Steel	60 FWF	0.087"	226.060.12	20
12"	1"	Chop Miter & Table Saw	Finish	Wood, Plywood	72 ATB	0.126"	285.672.12	12
12"	1"	Slide/Miter/Radial Arm Saw	Fine Finish	Wood, Plywood	80 ATB	0.091"	285.680.12	13
12"	1"	Chop Miter	Dry-Cut	Stainless Steel	80 FWF	0.087"	226.080.12	20
12"	1"	Chop Miter	Dry-Cut	Stainless Steel	80 FWF	0.087"	226.580.12	20
12"	1"	Slide/Miter/Radial Arm Saw	Fine Finish	Solid Surface & Laminate	84 MTCG	0.126"	223.684.12	18
12"	1"	Chop Miter & Table Saw	Fine Finish	Wood, Plywood	96 ATB	0.118"	285.696.12	12
12"	1"	Chop Miter & Table Saw	Fine Finish	Chipboard, Melamine	96 HIATB	0.126"	283.696.12	13
12"	1"	Chop Miter & Table Saw	Fine Finish	Chipboard, Melamine	96 TCG	0.126"	281.696.12	15
12"	1"	Chop Miter & Table Saw	Fine Finish	Chipboard, Melamine	96 TCG	0.126"	281.697.12	14
12"	1"	Slide/Miter/Radial Arm Saw	Fine Finish	Plastic & Plexiglass	96 MATB	0.110"	222.096.12	18
12"	1"	Slide/Miter/Radial Arm Saw	Fine Finish	Non-Ferrous Metals	96 TCG	0.122"	225.696.12	19
12"	1"	Chop Miter & Table Saw	Fine Finish	Non-Ferrous Metals	120 TCG	0.118"	284.720.12	19
14"	1"	Circular Rescue Chop Saw	Demolition Emergency	Wood based with nails	24 TCG	0.138"	286.024.14	21
14"	1"	Chop Miter	Dry-Cut	Stainless Steel	72 FWF	0.087"	226.072.14	20
14"	1"	Chop Miter & Table Saw	Finish	Wood, Plywood	84 ATB	0.138"	285.684.14	12
14"	1"	Chop Miter	Dry-Cut	Stainless Steel	90 FWF	0.087"	226.090.14	20
14"	1"	Chop Miter	Dry-Cut	Stainless Steel	90 FWF	0.087"	226.590.14	20
14"	1"	Slide/Miter/Radial Arm Saw	Fine Finish	Non-Ferrous Metals	100 TCG	0.126"	225.700.14	19
14"	1"	Slide/Miter/Radial Arm Saw	Fine Finish	Plastic & Plexiglass	108 MATB	0.110"	222.108.14	18
14"	1"	Slide/Miter/Radial Arm Saw	Fine Finish	Non-Ferrous Metals	108 TCG	0.122"	225.108.14	19
14"	1"	Slide/Miter/Radial Arm Saw	Fine Finish	Non-Ferrous Metals	120 TCG	0.126"	225.720.14	19

Ripping Blade



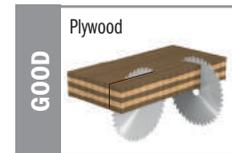
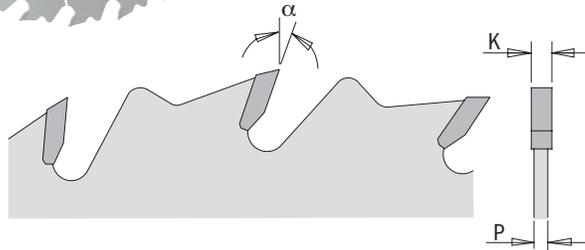
285-293 ORANGE CHROME®



APPLICATION: for fast, smooth, heavy-duty rip cuts
MACHINES: radial arm saws, miter saws, table and special saws.
MATERIAL: soft and hardwood.



FILLED SLOTS



ORDER NO.		D inches	D mm	T	B mm	PIN HOLE	β	K inches	P inches	α
285.624.10	5	10	254	24	5/8"		FLAT	0.126	0.087	20°

For machines with 30mm arbor

new 293.024.12M*	5		300	24	30	COMBI3	ATB	0.126	0.087	20°
new 293.028.14M*	5		350	28	30	COMBI3	ATB	0.138	0.098	20°
new 285.036.16M*	5		400	36	30	COMBI3	ATB	0.138	0.098	20°

* Not Orange Chrome

Heavy-Duty Glue Line Ripping Blades



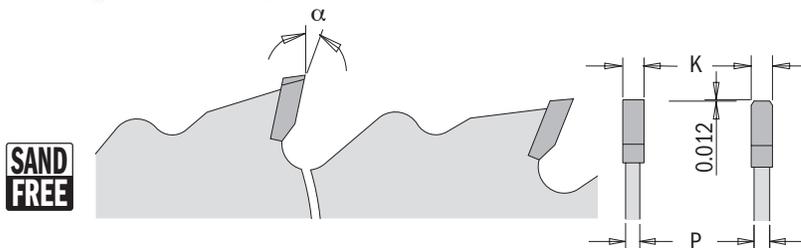
203.6 ORANGE CHROME®



APPLICATION: for heavy-duty glue line rip cuts with exceptional finish.
MACHINES: radial arm saws, miter saws, table and special saws.
MATERIAL: soft and hardwood.



FILLED SLOTS



SAND FREE



ORDER NO.		D inches	D mm	T	B inches	β	K inches	P inches	α
203.630.10	5	10	254	30	5/8	TCG	0.126	0.087	12°
203.636.12	5	12	305	36	1	TCG	0.126	0.087	12°
new 203.036.12W1*	5	12	305	36	3-1/8	TCG	0.126	0.087	12°
new 203.036.12W2*	5	12	305	36	3-1/8	TCG	0.160	0.110	12°

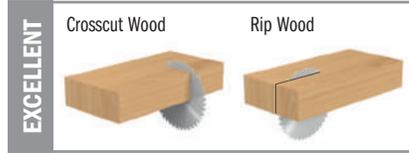
* Not Orange Chrome

Heavy-Duty General Purpose Blades

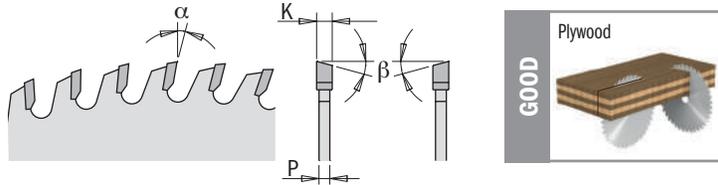


285-290-291 ORANGE CHROME®

APPLICATION: for rip and crosscuts with exceptional finish.
MACHINES: radial arm saws, miter saws, table and special saws.
MATERIAL: excellent for soft/hardwood. Good for plywood.



**HIGH ATB
SPLINTER-FREE**



ORDER NO.		D inches	D mm	T	B mm	PIN HOLE	β	K inches	P inches	α
285.640.10	5	10	254	40	5/8"		30° HiATB	0.126	0.087	12°
<i>For machines with 30mm arbor</i>										
285.640.10M	5		250	40	30	COMBI3	10° ATB	0.126	0.087	15°
new 285.648.12M	5		300	48	30	COMBI3	10° ATB	0.126	0.087	15°
new 285.654.14M	5		350	54	30	COMBI3	10° ATB	0.138	0.098	15°
new 285.660.16M	5		400	60	30	COMBI3	10° ATB	0.138	0.098	15°
<i>For Festool® machines</i>										
291.160.24H*	5		160	24	20	2/6/32	15° ATB	0.102	0.062	15°
290.210.24M*	5	8-1/4	210	24	30	2/7/42	10° ATB	0.110	0.070	20°
290.210.36M*	5	8-1/4	210	36	30	2/7/42	15° ATB	0.110	0.070	15°

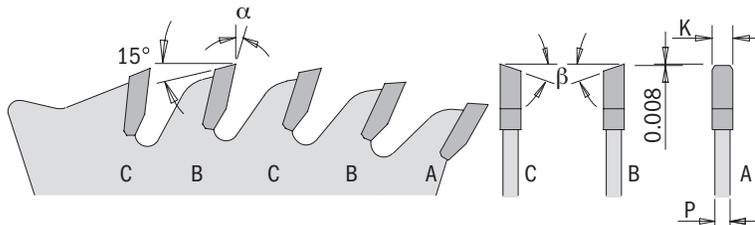
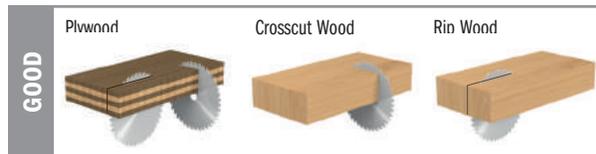
* Not Orange Chrome

Combination Blade



285.6 ORANGE CHROME®

APPLICATION: for rip and crosscuts. The large gullets allow deep cuts and effective chip clearance.
MACHINES: radial arm saws, miter saws, circular saws, table and special saws.
MATERIAL: soft/hardwood, plywood and chipboard.



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

Heavy-Duty Crosscut Blades



285-292-294 ORANGE CHROME®



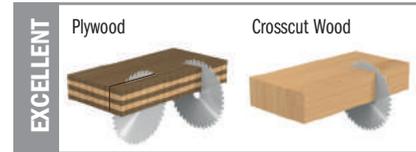
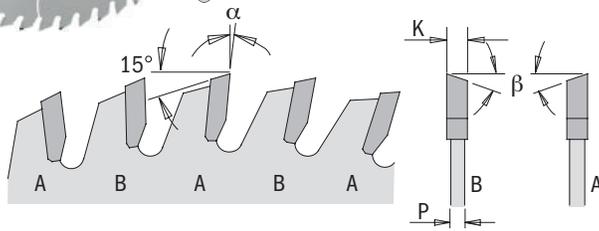
APPLICATION: makes heavy-duty crosscuts typical in industrial cabinetry.

MACHINES: radial arm saws, miter saws, circular saws, table and special saws.

MATERIAL: soft/hardwood and plywood.



FILLED SLOTS



ORDER NO.		D	T	B	PIN HOLE	β	K	P	α
		inches	mm	mm			inches	inches	
285.660.10	5	10	60	5/8"		20° ATB	0.126	0.087	10°
285.672.12	5	12	72	1"		20° ATB	0.126	0.087	10°
new 285.684.14	5	14	84	1"		15° ATB	0.138	0.098	10°
new 285.696.16	5	16	96	1"		15° ATB	0.138	0.098	10°
new 285.708.18	5	18	108	1"		15° ATB	0.150	0.110	10°
For machines with 30mm arbor									
285.660.10M	5		60	30	COMBI3	15° ATB	0.126	0.087	10°
285.672.12M	5		72	30	COMBI3	15° ATB	0.126	0.087	10°
For Festool® machines									
292.160.40H*	5		40	20	2/6/32	15° ATB	0.102	0.062	10°
292.210.48M*	5	8-1/4	48	30	2/7/42	15° ATB	0.110	0.070	15°
new 294.060.11M*	5		60	30	COMBI3	15° ATB	0.100	0.070	-5°

* Not Orange Chrome

Ultimate Cut-Off Blades



285.6 ORANGE CHROME®



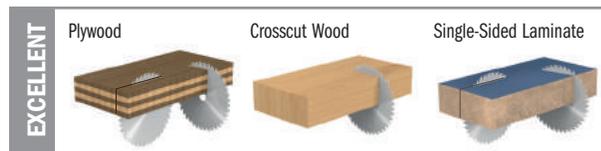
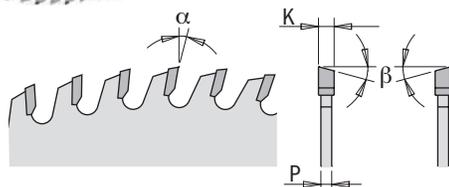
APPLICATION: makes heavy-duty crosscuts typical in industrial cabinetry.

MACHINES: radial arm saws, miter saws, table and special saws.

MATERIAL: soft/hardwood, plywood and laminate.



FILLED SLOTS



ORDER NO.		D	T	B	β	K	P	α
		inches	mm	inches		inches	inches	
285.680.10	5	10	80	5/8	20° ATB	0.118	0.098	10°
285.696.12	5	12	96	1	20° ATB	0.118	0.098	10°

Ultimate Plywood & Melamine Blades



283.6 ORANGE CHROME®



APPLICATION: for crosscuts, perfect finishing on makes heavy-duty crosscuts typical in industrial cabinetry laminated panels without scoring blade.

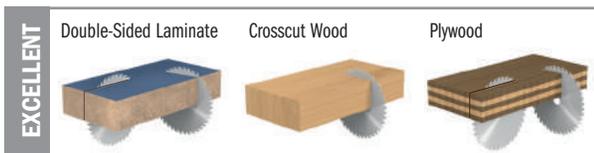
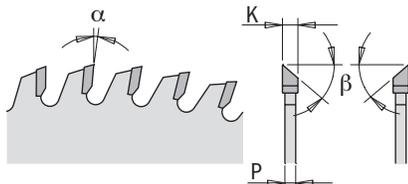
MACHINES: radial arm saws, miter saws, circular saws, table and special saws.

MATERIAL: solid wood, moldings, melamine, laminates, veneered plywood, chipboard.



FILLED SLOTS

**HIGH ATB
SPLINTER-FREE**



ORDER NO.		D inches	D mm	T	B mm	PIN HOLE	β	K inches	P inches	α
283.680.10	5	10	254	80	5/8"		38° HiATB	0.126	0.087	2°
283.696.12	5	12	305	96	1"		38° HiATB	0.126	0.087	2°

For machines with 30mm arbor

283.064.09M*	5		220	64	30	2/7/42	40° HiATB	0.126	0.087	-5°
283.680.10M	5		250	80	30	COMBI3	38° HiATB	0.126	0.087	-2°
283.696.12M	5		300	96	30	COMBI3	38° HiATB	0.126	0.087	2°
283.108.14M*	5		350	108	30	COMBI3	40° HiATB	0.138	0.098	5°

* Not Orange Chrome

Fine Finish Sliding Compound Blade



285.6 ORANGE CHROME®



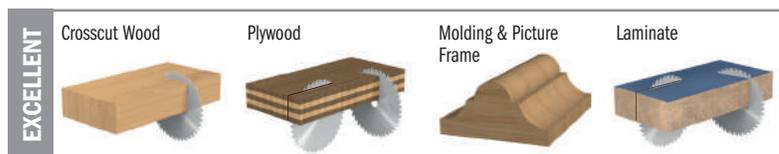
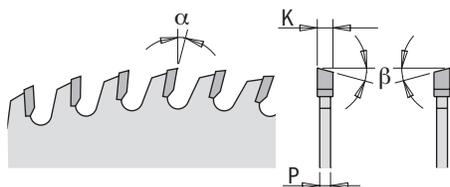
APPLICATION: for fine finish crosscuts. The 5° hook angle limits splintering and "climbing".

MACHINES: radial arm saws and sliding compound miter saws.

MATERIAL: soft/hardwood, plywood and laminate.



FILLED SLOTS



ORDER NO.		D inches	D mm	T	B inches	β	K inches	P inches	α
285.680.12	5	12	305	80	1	15° ATB	0.091	0.071	5°

Super Fine Finish Sliding Compound Blade

new

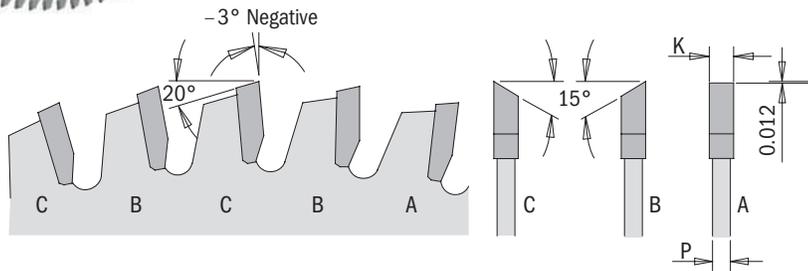
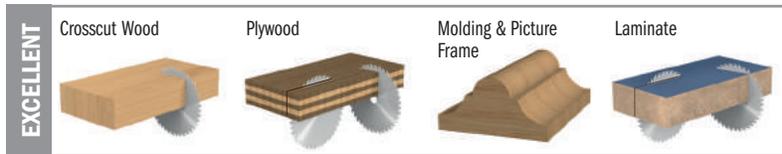
CMT ORANGE TOOLS



274 ORANGE CHROME®



APPLICATION: for fine finish crosscuts. The 3° negative hook angle limits splintering and “climbing”.
MACHINES: radial arm saws and sliding compound miter saws.
MATERIAL: soft/hardwood, plywood and laminate.



FILLED SLOTS

ORDER NO.		D	T	B	β	K	P	α	
		inches	mm	inches		inches	inches		
274.691.12	5	12	305	90	5/8	1 FTG+4/15° ATB	0.118	0.098	-3°

Double-Sided Laminate/Melamine Blades



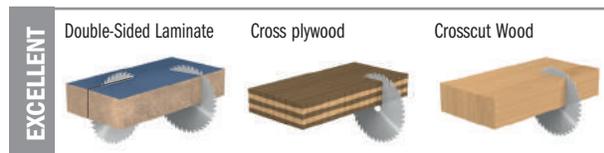
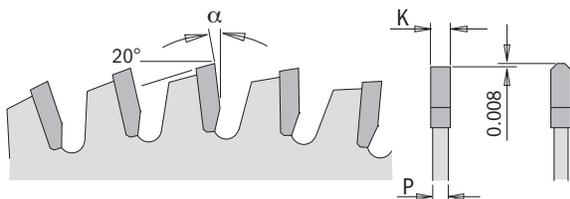
281.6 ORANGE CHROME®



APPLICATION: for heavy-duty crosscuts, perfect finishing on double-sided laminated panels.
MACHINES: radial arm saws, miter saws, table and special saws.
MATERIAL: chipboard, MDF, laminate, hardwood and plywood.



FILLED SLOTS



ORDER NO.		D	T	B	PIN HOLE	β	K	P	α	
		inches	mm	mm			inches	inches		
281.681.10	5	10	254	80	5/8"	TCG	0.126	0.087	-3°	
281.709.12	5	12	305	96	5/8"	TCG	0.118	0.098	-3°	
281.697.12	5	12	305	96	1"	TCG	0.126	0.087	-3°	
For machines with 30mm arbor										
281.063.09M*	5		220	64	30	COMBI3	FFT	0.126	0.087	-3°
281.681.10M	5		250	80	30	COMBI3	TCG	0.126	0.087	-3°
281.697.12M	5		300	96	30	COMBI3	TCG	0.126	0.087	-3°

* Not Orange Chrome

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Heavy-Duty Multi-Purpose Blades

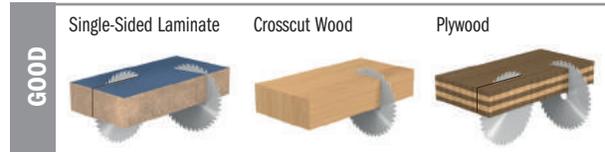
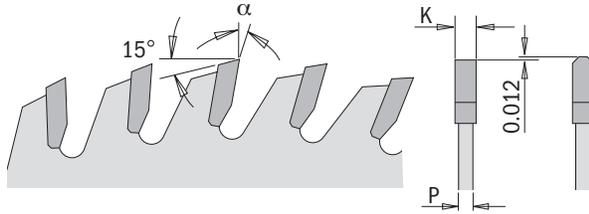


281.6 ORANGE CHROME®

APPLICATION: for heavy-duty crosscuts, perfect finishing on single-sided laminated panels.

MACHINES: radial arm saws, miter saws, table and special saws.

MATERIAL: chipboard, MDF, laminate, hardwood and plywood.



ORDER NO.		D	T	B	PIN HOLE	β	K	P	α	
		inches	mm	mm			inches	inches		
281.660.10	5	10	60	5/8"		TCG	0.126	0.087	10°	
For machines with 30mm arbor										
new 281.060.10M*	5		250	60	30	COMBI3	TCG	0.126	0.087	10°
281.672.12M	5		300	72	30	COMBI3	TCG	0.126	0.087	10°
new 281.684.14M	5		350	84	30	COMBI3	TCG	0.138	0.098	10°

* Not Orange Chrome

Single-Sided Laminate/Melamine Blades

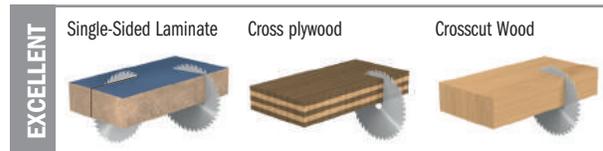
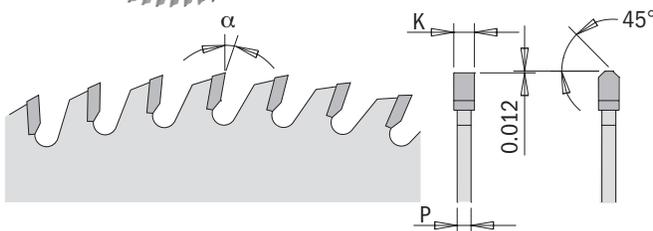


281.6 ORANGE CHROME®

APPLICATION: for heavy-duty crosscuts, perfect finishing on single-sided laminated panels.

MACHINES: radial arm saws, miter saws, table and special saws.

MATERIAL: chipboard, MDF, laminate, hardwood and plywood.



ORDER NO.		D	T	B	PIN HOLE	β	K	P	α	
		inches	mm	mm			inches	inches		
281.680.10	5	10	80	5/8"		TCG	0.126	0.087	5°	
281.696.12	5	12	96	1"		TCG	0.126	0.087	5°	
281.096.16*	5	16	96	1"		TCG	0.157	0.110	10°	
For machines with 30mm arbor										
new 281.064.09M*	5		220	64	30	2/7/42	TCG	0.126	0.087	10°
281.680.10M	5		250	80	30	COMBI3	TCG	0.126	0.087	10°
281.696.12M	5		300	96	30	COMBI3	TCG	0.126	0.087	10°
new 281.708.14M	5		350	108	30	COMBI3	TCG	0.138	0.098	5°

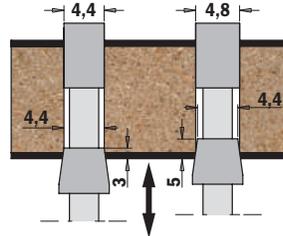
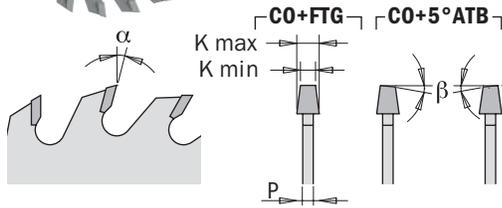
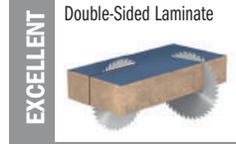
* Not Orange Chrome

Industrial Conical Scoring Blades



288 X-TREME

APPLICATION: for chip-free scoring of the plastic-laminate panels.
MACHINES: horizontal and vertical panel sizing machines.
MATERIAL: single-sided or double-sided plastic-laminate panels, MDF.



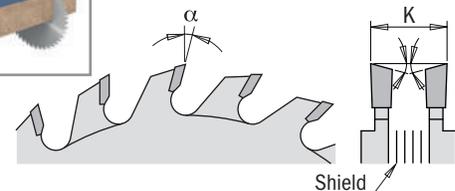
ORDER NO.		D mm	T	B mm	PIN HOLE	α	β	K mm	P mm
288.100.20H	1	100	20	20		5°	CO + 5° ATB	3.1-4.0	2.5
288.100.20K	1	100	20	22		5°	CO + 5° ATB	3.1-4.0	2.5
288.120.24H	1	120	24	20		5°	CO + 5° ATB	3.1-4.0	2.5
288.120.24K	1	120	24	22		5°	CO + 5° ATB	3.1-4.0	2.5
288.125.24H	1	125	24	20		5°	CO + 5° ATB	3.1-4.0	2.5
288.125.24H2	1	125	24	20		10°	CO + FTG	4.3-5.5	3.2
288.125.24K	1	125	24	22		5°	CO + 5° ATB	3.1-4.0	2.5
288.125.24Q	1	125	24	45		10°	CO + FTG	4.3-5.5	3.2
288.150.36Q	1	150	36	45		10°	CO + FTG	4.3-5.5	3.2
288.160.36Q	1	160	36	45	3/11/70	10°	CO + FTG	4.3-5.5	3.2
288.160.360	1	160	36	55	3/7/66	10°	CO + FTG	4.3-5.5	3.2
288.180.36M	1	180	36	30		10°	CO + FTG	4.3-5.5	3.2
288.180.36Q	1	180	36	45		10°	CO + FTG	4.7-6.0	3.5
288.180.360	1	180	36	55		10°	CO + FTG	5.0-6.2	3.5
288.180.44T	1	180	44	50	3/12.5/80	10°	CO + FTG	4.3-5.5	3.2
new 288.180.36Q2	1	180	36	45		8°	CO + 5° ATB	4.3-5.5	3.2
288.200.36H	1	200	36	20		10°	CO + FTG	4.3-5.5	3.2
288.200.36Q	1	200	36	45		10°	CO + FTG	4.7-6.0	3.5
288.200.36J	1	200	36	65	2/9/110	10°	CO + FTG	4.3-5.5	3.2
288.215.42T	1	215	42	50	3/15/80	8°	CO + FTG	4.3-5.5	3.2
288.300.48T	1	300	36	50	3/15/80	10°	CO + FTG	4.3-5.5	3.2
288.300.72J	1	300	72	65	2/9/110	10°	CO + FTG	4.3-5.5	3.2

Industrial Chrome-Coated Adjustable Scoring Blades



289 ORANGE CHROME®

APPLICATION: for chip-free scoring on plastic-laminated panels.
MACHINES: horizontal and vertical sizing machines.
MATERIAL: single or double-sided plastic-laminated panels, MDF.



* Not Orange Chrome

ORDER NO.		D mm	T	B mm	PIN HOLE	α	β	K mm	Spare parts
289.700.20H	5	100	10+10	20	2/4,2/42	11°	5° ATB	2.8-3.6	299.000.02K
289.720.24H	5	120	12+12	20	2/4,2/42	11°	5° ATB	2.8-3.6	299.000.02K
289.720.24K	5	120	12+12	22	2/4,2/42	11°	5° ATB	2.8-3.6	299.000.02K
289.725.24H	5	125	12+12	20	2/4,2/42	11°	5° ATB	2.8-3.6	299.000.02K

For machines Altendorf "Rapido" scoring without rings

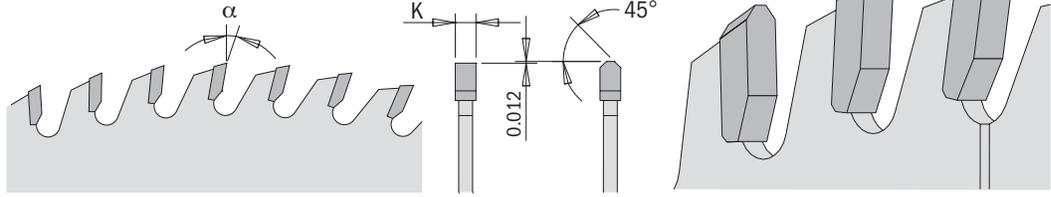
289.120.24T*	5	120	12+12	50+4	4/6,2 - 10/62	12°	FLAT	2.8-3.6	
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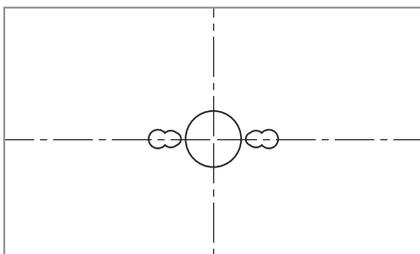
281-282 XTREME



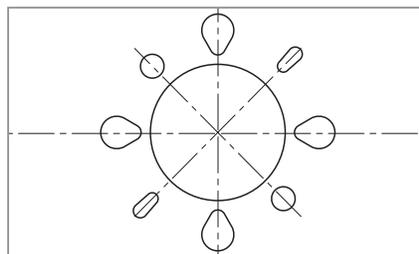
APPLICATION: for industrial sizing of single sheet and multiple panels.
MACHINES: horizontal panel sizing machines.
MATERIAL: single-sided or double-sided plastic-laminate panels, MDF.



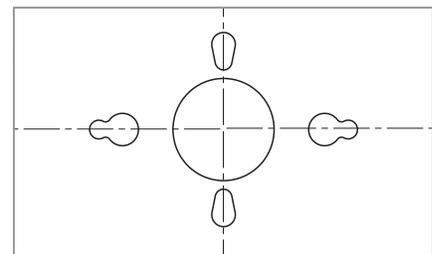
ORDER NO.		D mm	T	B mm	PIN HOLE 	β	K mm	P mm	α
281.064.09M	1	220	64	30	2/7/42	TCG	3.2	2.2	10°
281.680.10M	5	250	80	30	2/10/60+2/7/42	TCG	3.2	2.2	5°
282.060.12M	1	300	60	30	2/10/60	TCG	4.4	3.2	16°
282.060.12X	1	300	60	75		TCG	4.4	3.2	16°
282.060.12W	1	300	60	80	COMBI5	TCG	4.4	3.2	16°
281.672.12M	5	300	72	30	2/10/60+2/7/42	TCG	3.2	2.2	10°
281.696.12M	1	300	96	30	2/10/60+2/7/42	TCG	3.2	2.2	5°
282.072.13J	1	320	72	65	2/9/100 + 2/9/110	TCG	4,4	3,2	16°
282.072.14M	1	350	72	30	4/9/100	TCG	4.4	3.2	16°
282.072.14T	1	350	72	50	3/12.5/80	TCG	4.4	3.2	16°
new Y282.072.14U	1	350	72	60	2/14/100	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°
282.072.14W	1	350	72	80	COMBI5	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	COMBI5	TCG	4,4	3,2	16°
new 282.072.14W2	1	355	72	80	COMBI5	TCG	4,4	3,2	16°
new 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°
282.072.15W	1	380	72	80	COMBI5	TCG	4,4	3,2	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°
new 282.072.17W	1	420	72	80	COMBI5	TCG	4.4	3.2	15°
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°
Y282.072.20W	1	500	72	80	COMBI5	TCG	4.8	3.5	16°
282.072.22A	1	550	72	100		TCG	5.2	3.5	16°



2/7/42mm
COMBI3 PIN HOLE:
 2/9,5/46,5mm
 2/10/60mm



2/7/110mm
COMBI5 PIN HOLE:
 2/14/110mm
 2/8,4/130mm
 4/9/100mm
 4/19/120mm



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

Heavy-Duty Solid Surface Blades



223.6 ORANGE CHROME®



APPLICATION: for heavy-duty cutting, perfect finishing, swirl and burn-free cuts on solid surface panels.

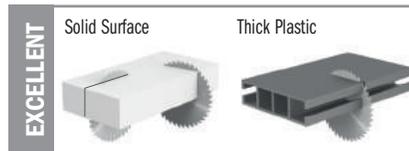
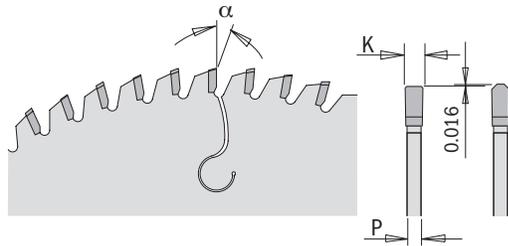
MACHINES: radial arm saws, table and special saws.

MATERIAL: solid surface, thick plastic, plexiglass, vinyl. Good for laminate. Solid wood, panel material, plastic.

Safety Precautions: not recommended for use on miter saws.



FILLED SLOTS



ORDER NO.	Box	D		T	B	β	K	P	α
		inches	mm						
223.672.10	5	10	254	72	5/8	MTCG	0.126	0.098	0°
223.684.12	5	12	305	84	1	MTCG	0.126	0.098	0°

Industrial Plexiglass & Plastic Blades



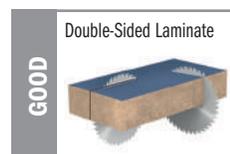
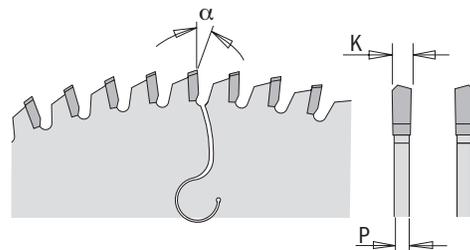
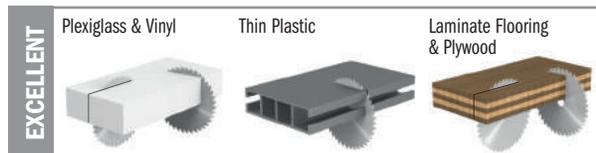
222 XTREME



APPLICATION: for heavy-duty cutting, smooth finishing without melting.

MACHINES: radial arm saws, miter saws, table and special saws.

MATERIAL: thin plastic, phenolic, plexiglass, vinyl, laminate flooring and plywood.



ORDER NO.	Box	D		T	B	β	K	P	α
		inches	mm						
222.080.10	5	10	254	80	5/8	MATB	0.110	0.087	-3°
222.096.12	5	12	305	96	1	MATB	0.110	0.087	-3°
222.108.14	5	14	355	108	1	MATB	0.110	0.087	-3°

Thick Stock Non-Ferrous Metal, PVC Blades



225-296 ORANGE CHROME®



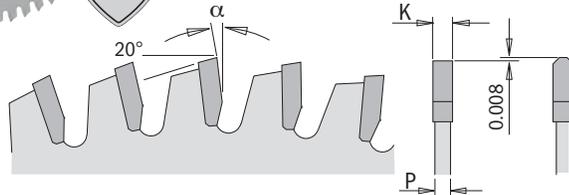
APPLICATION: for heavy-duty cutting, excellent on thick-walled extrusions, good on thin-walled extrusions.

MACHINES: radial arm saws, miter saws, table and special saws.

MATERIAL: aluminum, brass, copper, PVC and non-ferrous metals.



FILLED SLOTS



ORDER NO.		D		T	B	PIN HOLE	β	K	P	α
		inches	mm		inches			inches	inches	
225.060.08*	5	8-1/2	216	60	5/8		TCG	0.122	0.098	-7°
225.672.10	5	10	254	72	5/8		TCG	0.122	0.098	-7°
225.696.12	5	12	305	96	1		TCG	0.122	0.098	-7°
225.709.12	5	12	305	108	5/8		TCG	0.118	0.098	-3°
225.700.14	5	14	355	100	1		TCG	0.126	0.098	-6°
225.108.14*	5	14	355	108	1		TCG	0.122	0.098	-7°
225.720.14	5	14	355	120	1		TCG	0.126	0.098	-6°
225.700.16	5	16	406	100	1		TCG	0.150	0.126	-6°
225.708.18	5	18	457	108	1		TCG	0.150	0.126	-6°
225.728.18	5	18	457	128	1		TCG	0.150	0.126	-6°
For Festool® machines										
296.160.56H*	5		160	56	20mm	2/6/32	TCG	0.110	0.087	-6°
296.210.64M*	5	8-1/4	210	64	30mm	2/7/42	TCG	0.110	0.087	-6°
297.080.11M*	5		260	80	30mm	COMBI3	TCG	0.110	0.087	-6°

* Not Orange Chrome

Thin Stock Non-Ferrous Metal, PVC Blades



284.7 ORANGE CHROME®



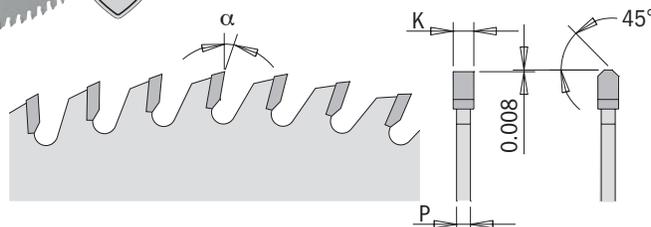
APPLICATION: for heavy-duty cutting, excellent on thin-walled extrusions, good on thick-walled extrusions.

MACHINES: radial arm saws, miter saws, table and special saws.

MATERIAL: aluminum, brass, copper, PVC and non-ferrous metals.



FILLED SLOTS



ORDER NO.		D		T	B	β	K	P	α
		inches	mm		inches		inches	inches	
284.700.10	5	10	254	100	5/8	TCG	0.110	0.087	5°
284.720.12	5	12	305	120	1	TCG	0.118	0.098	5°

Industrial Dry Cut Steel Blades



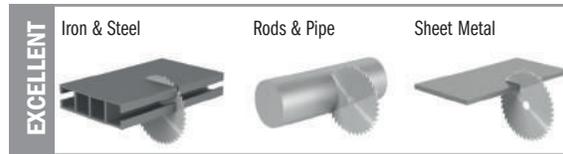
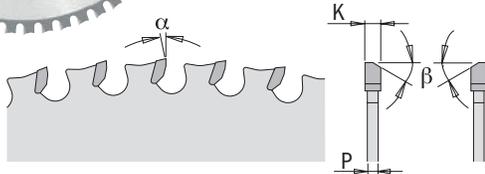
226 XTREME



APPLICATION: for fast cutting through steel and metal.
MACHINES: low RPM metal chop saws such as Jepson Power®, Dewalt®, Porter-Cable® and Hitachi® machines.
MATERIAL: iron and steel, rods and pipe, channel and rebar.
 Max Suggested Hardness HB420/HRC45.



Safety Precautions:
 Highly recommend for use with LOW RPM saws only.



ORDER NO.		D		T	B	PIN HOLE	β	K	P	α	RPM suggested
		inches	mm		inches			inches	inches		
226.030.05	5	5-3/8	136	30	10mm		8° FWF	0.059	0.047	0°	4800
new 226.030.05H	5	5-3/8	136	30	20mm		8° FWF	0.059	0.047	0°	4800
226.036.06	5	6-1/2	165	36	5/8		8° FWF	0.059	0.047	0°	4000
226.048.07	5	7-1/4	184	48	5/8		8° FWF	0.079	0.063	0°	3600
226.048.08	5	8-8-1/4	210	48	5/8		8° FWF	0.087	0.071	0°	3100
226.048.10	5	10	254	48	5/8		8° FWF	0.087	0.071	0°	2600
226.060.10	1	10	254	60	5/8		8° FWF	0.087	0.071	0°	2600
226.060.12	5	12	305	60	1		8° FWF	0.087	0.071	0°	2100
226.080.12	5	12	305	80	1		8° FWF	0.087	0.071	0°	2100
226.072.14	5	14	355	72	1		8° FWF	0.087	0.071	0°	1800
226.090.14	5	14	355	90	1		8° FWF	0.087	0.071	0°	1800
For Festool® machines											
new 226.030.06H	5		160	30	20mm	2/6/32	8° FWF	0.079	0.063	0°	4100
226.048.08M	5	8-1/4	210	48	30mm	2/7/42	8° FWF	0.087	0.070	0°	3100

Industrial Dry Cut Stainless Steel Blades



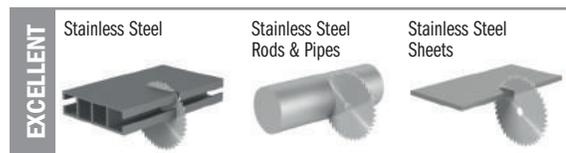
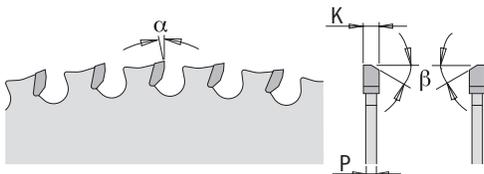
226 XTREME



APPLICATION: for fast cutting through Stainless Steel metal.
MACHINES: low RPM metal chop saws such as Jepson Power®, Dewalt®, Porter-Cable® and Hitachi® machines.
MATERIAL: Stainless Steel pipes, bars, sheets, studs and galvanized stuff.
 Max Suggested Hardness HB420/HRC45.



Safety Precautions:
 Highly recommend for use with LOW RPM saws only.



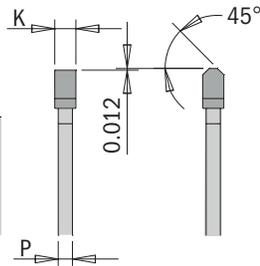
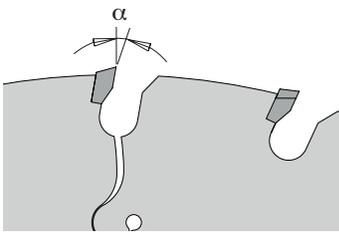
ORDER NO.		D		T	B	β	K	P	α	RPM suggested
		inches	mm		inches		inches	inches		
226.548.07	1	7-1/4	184	48	5/8	8° FWF	0.079	0.063	0°	3600
226.572.10	1	10	254	72	5/8	8° FWF	0.087	0.071	0°	2600
226.580.12	1	12	305	80	1	8° FWF	0.087	0.071	0°	2100
226.590.14	1	14	355	90	1	8° FWF	0.087	0.071	0°	1800



286 XTREME



APPLICATION: for use by rescue/emergency squads & fire dept.
MACHINES: portable saws.
MATERIAL: wood, wood with nails, non-ferrous & sheet metal.



EXCELLENT

- All Non-Ferrous Metal & PVC
- Sheet Metal
- Soft Wood with Nails, Screws, Concrete, etc.

ORDER NO.	Box Icon	D		T	B	β	K	P	α
		inches	mm						
286.024.07	1	7-1/4	184	24	5/8	TCG	0.063	0.043	15°
286.024.12	1	12	305	24	1	TCG	0.126	0.098	-5°
286.024.14	1	14	355	24	1	TCG	0.138	0.110	-5°

12" and 14" blades include 7/8" and 20mm reduction rings

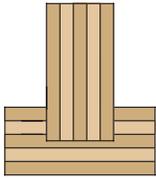




230.012

- CMT thoroughly researched the shortcomings of “standard” dado sets in order to understand what cabinetmakers required most from an “ideal” dado. The result was the Dado Pro Set, designed with the following features:
- Anti-kickback design to reduce the possibility of overfeeding that can occur when cutting mass material.
 - Splinter resistant cuts in veneer plywood, melamine and soft + hardwoods.
 - Five chippers (4x1/8" - 1x1/16") keep the cut flat and virtually free from tear out.
 - Shim sets included for cuts between 1/4" and 13/16".
 - Ideal for underpowered saws.

Safety Precautions: always use both outside blades. carbide teeth should never come into contact with each other.



CMT's Dado Pro Set creates clean edges, square shoulders & flat bottoms.



Sturdy reusable carrying case.

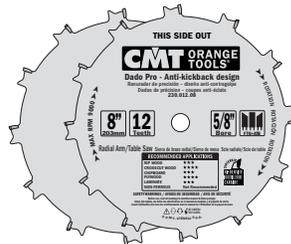


CMT's Dado Pro Set delivers splinter-resistant cuts in all wood, types including plywood and wood composites.

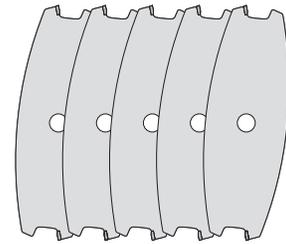


Slot width inches	No. Chippers Required 1/8"	Required 1/16"
1/4	0	0
5/16	0	1
3/8	1	0
7/16	1	1
1/2	2	0
9/16	2	1
5/8	3	0
11/16	3	0
3/4	4	0
13/16	4	1

SET INCLUDES:



2 BLADES

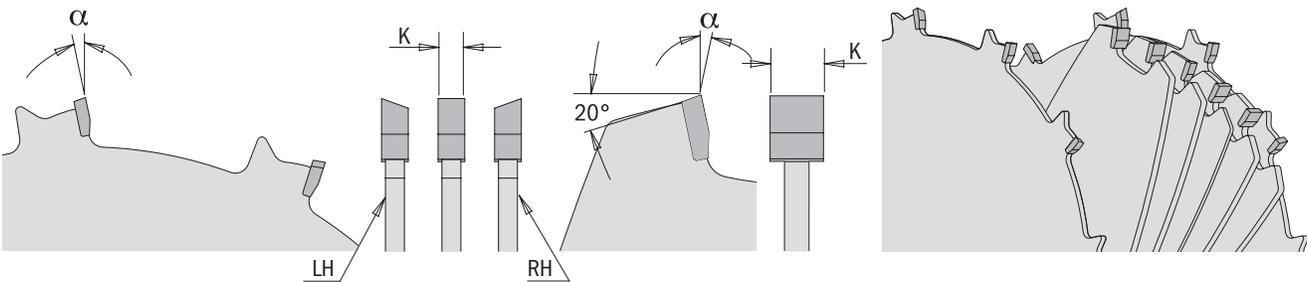


5 CARBIDE TIPPED TWO TOOTH CHIPPERS



SHIM SET

Shim set contains	
No.	Shim Width
3	0.004
2	0.008
1	0.012
1	0.020



ORDER NO.		inches	D mm	T	B inches	CHIPPERS	β	K inches	P inches	α
230.012.08	5	8	203	12	5/8	4x1/8" x 1x1/16"	FTG+ATB	0.125	0.098	-12°

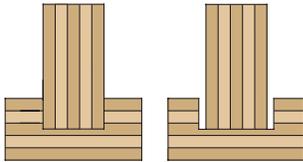
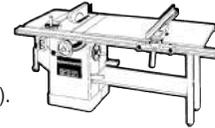
Spare parts 299.000.01 Dado Pro Shim Set



230.5

CMT's Precision Dado Sets are designed to set a new standard in performance, and they're now available in 6" or 8" diameter. The new 6" dado is perfect for smaller or somewhat underpowered table saws, like the typical 10" contractor saw. Both of these great tools offer features that make them ideal for any cabinetshop, including:

- Anti-kickback design to reduce the possibility of overfeeding that can occur when cutting mass material.
- Splinter-resistant cuts in veneer plywood, melamine and soft + hardwoods.
- Four-tooth chippers that keep the cut flat & virtually free from tear out.
- 3/32" chipper made especially for undersized plywood.
- Shim sets included for cuts between 1/4" and 29/32".



Our special 3/32" chipper lets you adjust for undersized plywood.

Safety Precautions: always use both outside blades.
(Carbide teeth should never come into contact with each other).



Sturdy reusable carrying case for 8" dado.



Sturdy reusable carrying case for 6" dado.



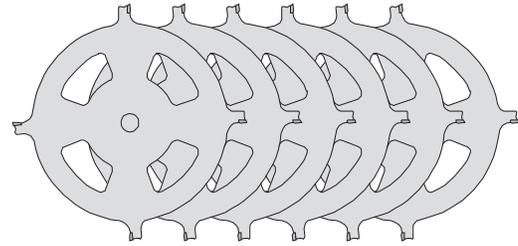
CMT's Dado Pro Set delivers splinter-resistant cuts in all wood, plywood and wood composites.

Slot width inches	No. Chippers Required		
	1/16"	3/32"	1/8"
1/4	0	0	0
5/16	1	0	0
11/32	0	1	0
3/8	0	0	1
13/32	1	1	0
7/16	1	0	1
15/32	0	1	1
1/2	0	0	2
17/32	1	1	1
9/16	1	0	2
19/32	0	1	2
5/8	0	0	3
21/32	1	1	2
11/16	1	0	3
23/32	0	1	3
3/4	0	0	4
25/32	1	1	3
13/16	1	0	4
27/32	0	1	4
29/32	1	1	4

SET INCLUDES:



2 BLADES

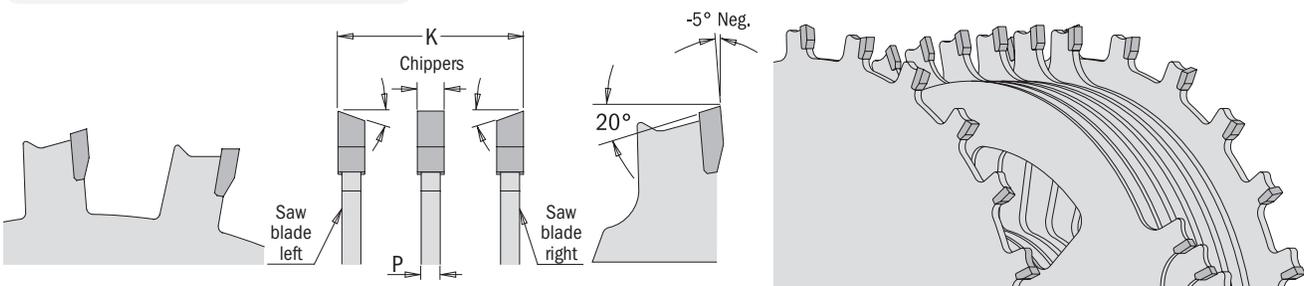


6 CARBIDE TIPPED FOUR TOOTH CHIPPERS.



SHIM SET

Shim set contains	
No.	Shim Width
4	0.004
2	0.008
2	0.012
2	0.020



ORDER NO.	Box Icon	D		T	B	CHIPPERS	β	K	P	α
		inches	mm							
230.520.06	3	6	152	20	5/8	4x1/8", 1x3/32", 1x1/16"	FTG+ATB	0.125	0.098	-5°
230.524.08	3	8	203	24	5/8	4x1/8", 1x3/32", 1x1/16"	FTG+ATB	0.125	0.098	-5°

Spare parts 299.000.01 Precision Dado Shim set

Box & Finger Joint Set



230.224



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
 - Long-lasting performance

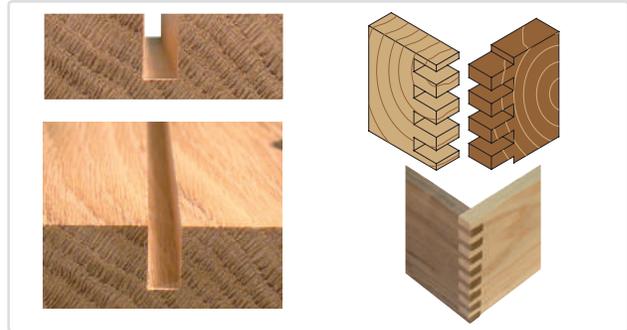
THE SET INCLUDES:

- 2 blades 1/4" kerf
- 2 shims 0.004
- 1 shim 0.012



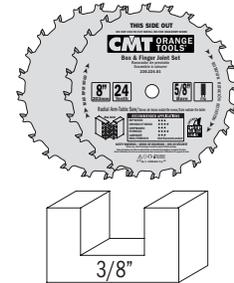
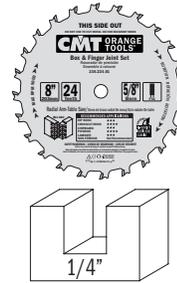
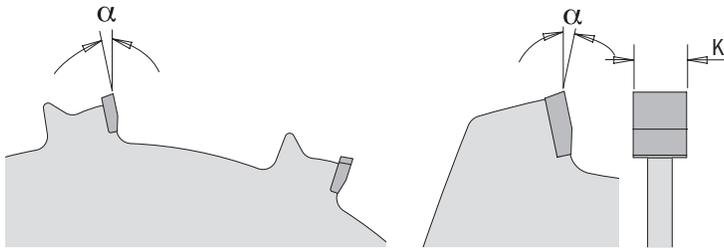
U.S. Patent No. Des. D621155

Sturdy reusable carrying case.



CMT's Box Set creates clean edges & flat bottoms.

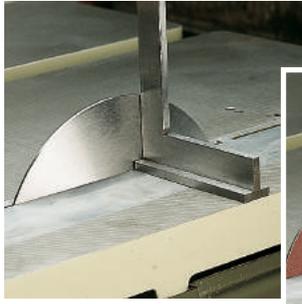
CMT's Box Set cuts flat bottom slots which make perfect and strong box joints.



ORDER NO.		D	T	B	SHIMS	β	K	P	α	
		inches	mm	inches			inches	inches		
230.224.08	3	8	203	24+24	5/8	2x0.004, 1x0.012	FTG	0.250	0.125	15°

- Spare parts**
- 230.224.01 8" Blade 1/4"
 - 299.001.00 Shim 0.004
 - 299.003.00 Shim 0.012

Calibration & Sanding Disks



299.11



Before starting a new project, balance your CMT blade in your table saw with the CMT calibration & sanding disk. Mount your calibration & sanding disk in your table saw and line it up with a square for accuracy. Remove the calibration and sanding disk and mount your saw blade for clean, accurate cuts. You can even use the calibration and balance disk as a sander by attaching self-stick sandpaper and installing the disk in your table saw.

ORDER NO.		DESCRIPTION	D		B
			inches	mm	inches
299.111.00	10	Calibration & Sanding Disk	8	203	5/8
299.112.00	10	Calibration & Sanding Disk	10	250	5/8

Saw Blade Stabilizers



299.10

The CMT Blade Stabilizer virtually eliminates rim vibration to make cleaner, straighter cuts and extend the life of your saw blade.

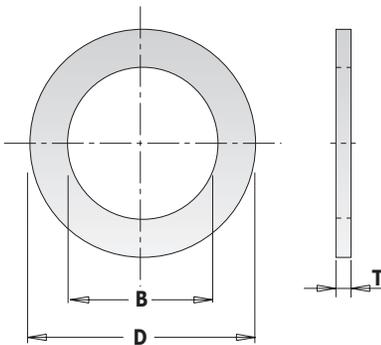
It also helps to eliminate distracting noise caused by vibration during cutting.

NOTE - for use on stationary saws only.

Each order includes 2 Stabilizers.

ORDER NO.		DESCRIPTION	D		B
			inches	mm	inches
299.101.00	5	Stabilizer (2) for 8" blades	3	75	5/8
299.102.00	5	Stabilizer (2) for 10" blades	5	125	5/8
299.103.00	5	Stabilizer (2) for 12" blades	6	152	1

Reduction Rings for Saw Blades



299

ORDER NO.		D		B	T
		inches	mm	inches	inches
299.211.00	10		30	5/8	0.055
299.212.00	10		30	1	0.078
299.213.00	10	1	25.4	3/4	0.055
299.216.00	10	1	25.4	5/8	0.055
299.217.00	10	5/8	15.87	1/2	0.047
299.218.00	10	5/8	15.87	10mm	0.047
299.219.00	10	1	25.4	7/8	0.090
299.220.00	10	1	25.4	20mm	0.090
299.237.00	10	7/8	22.2	15mm	0.055
299.238.00	10	7/8	22.2	20mm	0.055
299.239.00	10	1	25.4	7/8	0.055

INDUSTRIAL PTFE-COATED

SUPERIOR

CMT's Industrial PTFE-Coated blade line is designed for professional woodworkers and finish carpenters who run their blades all day long demanding ultimate precision and extended life, while conquering the most challenging applications.



LASER-CUT PREMIUM-QUALITY STEEL PLATE

Made of 46-48 HRC precision German steel which is laser-cut to provide tighter tolerances ensuring longer life and more accurate cuts.

LASER-CUT HEAT EXPANSION SLOTS

Engineered to allow blade expansion when heat build-up occurs from use, preventing blade warping.

LASER-CUT SOUND-DAMPENING CHANNELS

Specifically designed to dampen running noise and control wobbling caused by unwanted harmonic vibration.



NON-STICK ORANGE PTFE-COATED®

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



INDUSTRIAL CHROMIUM MICROGRAIN 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.



TRI-METAL BRAZING

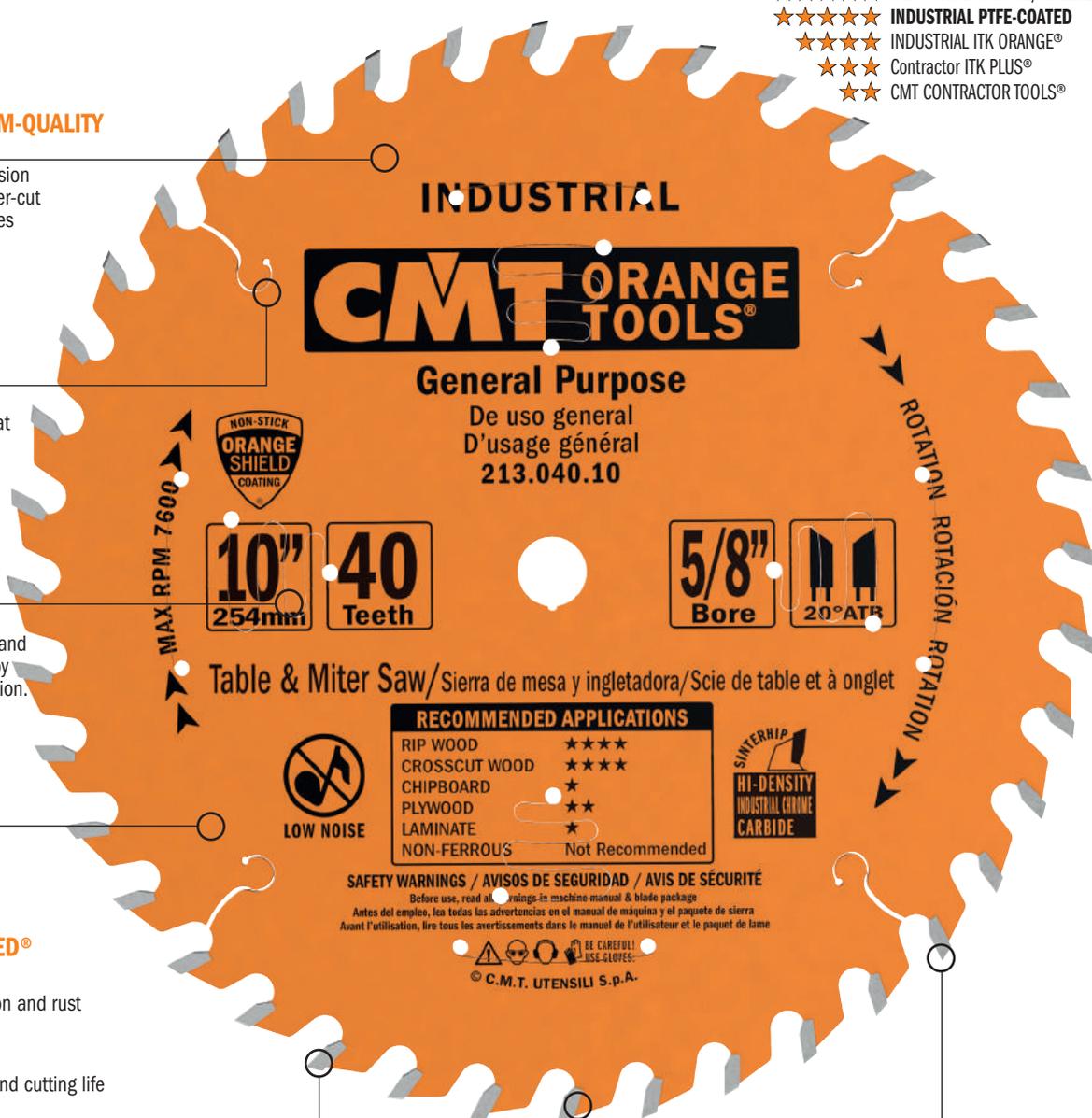
The Silver-Copper-Silver tri-metal brazing process lets the teeth withstand the severe impact caused by cutting harder woods and composite material.



PRECISION MIRROR FINISH SHARPENING

Each tooth is ground to razor sharp precision on a multi-axis CNC machine which creates perfect edge angles, guaranteeing extra-clean cuts and extended life. Featuring less than 0.25 µm R max in edge roughness.

- ★★★★★ INDUSTRIAL CHROME/XTREME
- ★★★★★ INDUSTRIAL PTFE-COATED
- ★★★★★ INDUSTRIAL ITK ORANGE®
- ★★★★ Contractor ITK PLUS®
- ★★ CMT CONTRACTOR TOOLS®



INDUSTRIAL

CMT ORANGE TOOLS®

General Purpose

De uso general
D'usage général
213.040.10

MAX RPM 7600



10" 254mm

40 Teeth

5/8" Bore



ROTATION ROTACION ROTATION

Table & Miter Saw/Sierra de mesa y ingletadora/Scie de table et à onglet

RECOMMENDED APPLICATIONS	
RIP WOOD	★★★★
CROSSCUT WOOD	★★★★
CHIPBOARD	★
PLYWOOD	★★
LAMINATE	★
NON-FERROUS	Not Recommended



SAFETY WARNINGS / AVISOS DE SEGURIDAD / AVIS DE SÉCURITÉ
Before use, read all warnings in machine manual & blade package
Antes del empleo, lee todas las advertencias en el manual de máquina y el paquete de sierra
Avant l'utilisation, lire tous les avertissements dans le manuel de l'utilisateur et le paquet de lame



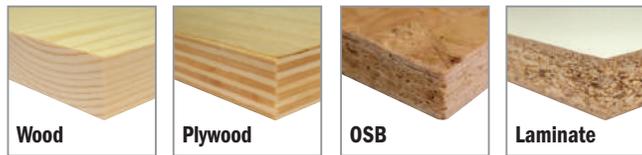
© C.M.T. UTENSILI S.p.A.



DELIVERED IN A UNIQUE CMT PLASTIC CASE.

INDUSTRIAL PTFE-COATED

For use with:



Quality: Superior
User: Professional
Usage: Run All Day
Coated: Orange-PTFE
Kerf: Full

DIAMETER	BORE	MACHINE USE	APPLICATIONS	MATERIALS	TEETH	KERF	ORDER NO.	PAGE
8-8-1/4"	5/8"	Circular & Cordless Saw	Fine Finish	Chipboard, Melamine	60 HATB	0.126"	210.060.08	30
8-1/2"	5/8"	Slide/Miter/Radial Arm Saw	Fine Finish	Chipboard, Melamine	60 ATB+TCG	0.118"	219.060.08	31
10"	5/8"	Chop Miter & Table Saw	Ripping	Wood	24 FTG	0.126"	201.024.10	28
10"	5/8"	Chop Miter & Table Saw	General Purpose	Wood, Plywood	40 ATB	0.126"	213.040.10	29
10"	5/8"	Chop Miter & Table Saw	General Purpose	Wood, Plywood	40 ATB	0.102"	214.040.10	29
10"	5/8"	Chop Miter & Table Saw	Combination	Wood, Plywood	50 ATB+TCG	0.126"	215.050.10	29
10"	5/8"	Chop Miter & Table Saw	Finish	Wood, Plywood	60 ATB	0.102"	205.060.10	30
10"	5/8"	Chop Miter & Table Saw	Finish	Chipboard, Melamine	60 TCG	0.126"	221.060.10	31
10"	5/8"	Chop Miter & Table Saw	Fine Finish	Chipboard, Melamine	80 HATB	0.126"	210.080.10	30
10"	5/8"	Slide/Miter/Radial Arm Saw	Fine Finish	Chipboard, Melamine	80 ATB+TCG	0.118"	219.080.10	31
10"	2-3/8"				10+4 FLAT	0.157"	279.010.10	28
12"	1"	Chop Miter & Table Saw	Ripping	Wood	30 FTG	0.126"	201.030.12	28
12"	1"	Chop Miter & Table Saw	Combination	Wood, Plywood	60 ATB+TCG	0.126"	215.060.12	29
12"	1"	Chop Miter & Table Saw	Finish	Wood, Plywood	72 ATB	0.126"	205.072.12	30
12"	1"	Chop Miter & Table Saw	Finish	Chipboard, Melamine	72 TCG	0.126"	221.072.12	31
12"	1"	Slide/Miter/Radial Arm Saw	Fine Finish	Chipboard, Melamine	90 ATB+TCG	0.118"	219.090.12	31
12"	1"	Chop Miter & Table Saw	Fine Finish	Chipboard, Melamine	96 HATB	0.126"	210.096.12	30
12"	2-3/8"				12+4 FLAT	0.157"	279.012.12	28

Biscuit Joiner Blades

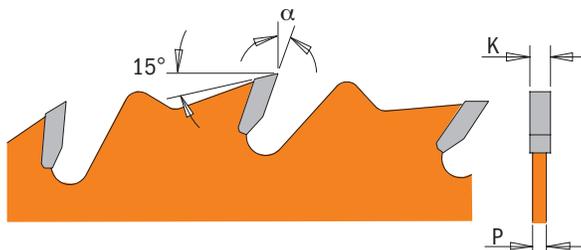
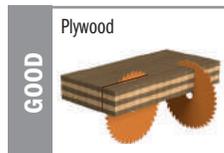


DIAMETER	BORE	MACHINE USE	APPLICATIONS	MATERIALS	TEETH	KERF	ORDER NO.	PAGE
4"	22mm	Biscuit Joiner	Biscuit Joint	Wood, Plywood	6 ATB	0.157"	240.006.04	47
4"	22mm	Biscuit Joiner	Biscuit Joint	Wood, Plywood	8 ATB	0.157"	240.008.04	47
4"	22mm	Biscuit Joiner	Biscuit Joint	Wood, Plywood	8 FLAT	0.157"	241.008.04	47



201

APPLICATION: for fast, smooth, heavy-duty rip cuts
MACHINES: radial arm saws, miter saws, table and special saws.
MATERIAL: soft and hardwood.



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

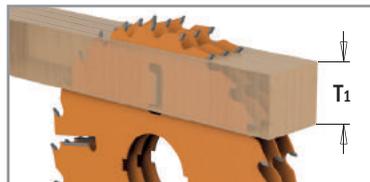
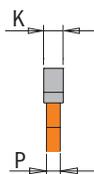
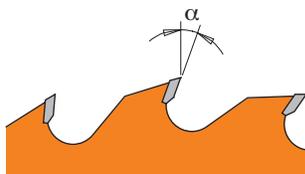
Multi-Rip Saw Blades with Rakers

new



279

APPLICATION: for rip cutting where the rakers prevent contact between the steel plate body and the material in use.
MACHINES: multi-rip machines with one or two shafts.
MATERIAL: (wet or dry) soft and hardwood.



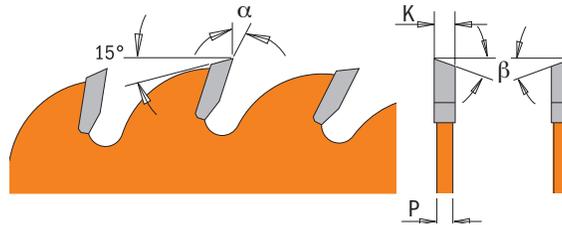
ORDER NO.		D		T	B	β	K	P	α
		inches	mm						
279.010.10	5	10	254	10+4	2-3/8	FLAT	0.157	0.098	25°
279.012.12	5	12	305	12+4	2-3/8	FLAT	0.157	0.098	25°



213-214



APPLICATION: for rip and crosscuts with exceptional finish.
MACHINES: radial arm saws, miter saws, table and special saws.
MATERIAL: excellent in soft and hardwood, good in plywood.



ORDER NO.		D	T	B	β	K	P	α
		inches	mm	inches		inches	inches	
213.040.10	5	10	40	5/8	20° ATB	0.126	0.098	18°
<i>Thin-Kerf</i>								
214.040.10	5	10	40	5/8	20° ATB	0.102	0.071	18°

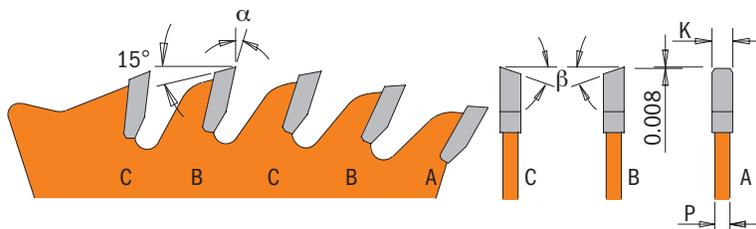
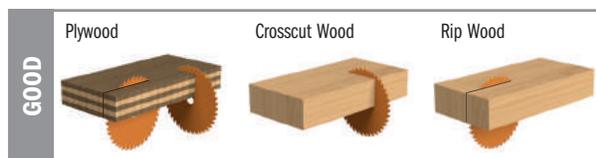
Industrial Combination Blades



215



APPLICATION: for rip and crosscuts. The large gullets allow deep cuts and effective chip clearance.
MACHINES: radial arm saws, miter saws, circular saws, table and special saws.
MATERIAL: soft/hardwood, plywood and chipboard.

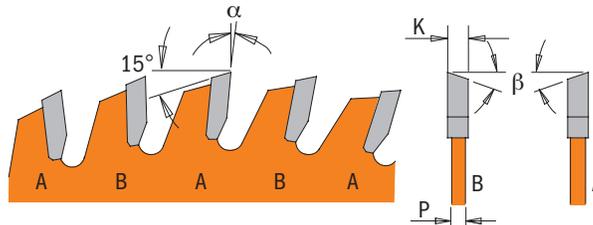
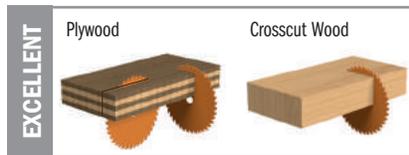


ORDER NO.		D	T	B	β	K	P	α
		inches	mm	inches		inches	inches	
215.050.10	5	10	50	5/8	4 ATB + 1 TCG	0.126	0.087	12°
215.060.12	5	12	60	1	4 ATB + 1 TCG	0.126	0.087	12°



205

APPLICATION: for heavy-duty crosscuts, best for industrial cabinet-makers.
MACHINES: radial arm saws, miter saws, circular saws, table and special saws.
MATERIAL: soft/hardwood and plywood.



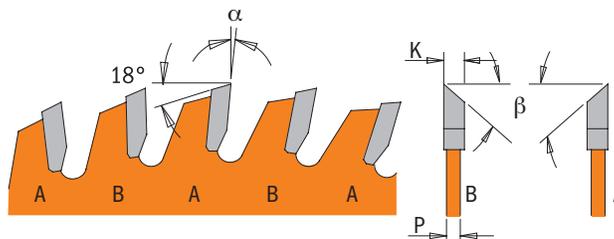
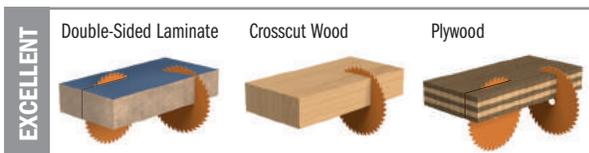
ORDER NO.	Box	D		T	B	β	K	P	α
		inches	mm						
205.060.10	5	10	254	60	5/8	20° ATB	0.102	0.070	5°
205.072.12	5	12	305	72	1	15° ATB	0.126	0.087	10°

Industrial Melamine & Fine Cut-Off Blades



210

APPLICATION: for crosscuts, perfect finishing on double-sided laminated panels without the scoring blade.
MACHINES: radial arm saws, miter saws, circular saws, table and special saws.
MATERIAL: solid wood, moldings, melamine, laminates, veneered plywood, chipboard.



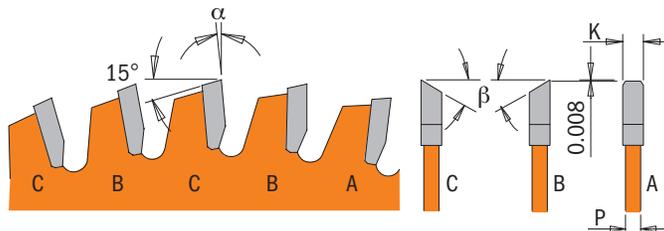
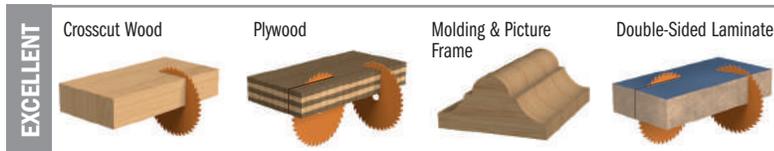
ORDER NO.	Box	D		T	B	β	K	P	α
		inches	mm						
210.060.08	5	8-8-1/4	203	60	5/8	38° ATB	0.126	0.087	2°
210.080.10	5	10	254	80	5/8	38° ATB	0.126	0.087	2°
210.096.12	5	12	305	96	1	38° ATB	0.126	0.087	2°



219



APPLICATION: for fine finish crosscuts. The 5° negative hook angle limits splintering and “climbing”.
MACHINES: radial arm saws and sliding compound miter saws.
MATERIAL: soft/hardwood, plywood and double-sided laminate.



ORDER NO.	Box	D		T	B	β	K	P	α
		inches	mm						
219.060.08	5	8-1/2	216	60	5/8	4/30° ATB +1TCG	0.118	0.098	-5°
219.080.10	5	10	254	80	5/8	4/30° ATB +1TCG	0.118	0.098	-5°
219.090.12	5	12	305	90	1	4/30° ATB +1TCG	0.118	0.098	-5°

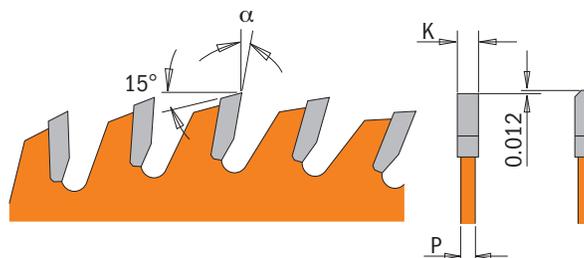
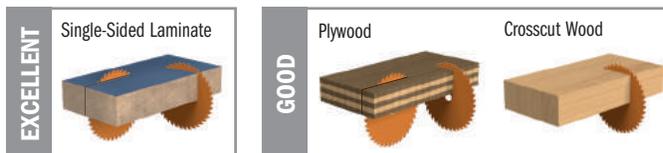
Industrial Cabinetshop Blades



221



APPLICATION: for heavy-duty crosscuts, perfect finishing on single-sided laminated panels.
MACHINES: radial arm saws, miter saws, table and special saws.
MATERIAL: chipboard, MDF, laminate, hardwood and plywood.



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

INDUSTRIAL ITK ORANGE®

BEST

Designed for the professional woodworker and construction craftsman CMT's thin-kerf industrial quality blade line delivers an outstanding cut, minimal stock removal and creates the least possible stress to your saw!



LASER-CUT PREMIUM-QUALITY STEEL PLATE

Made of 46-48 HRC precision German steel which is laser-cut to provide tighter tolerances ensuring longer life and more accurate cuts.

THIN-KERF DESIGN

Provides less material removal, delivering precise, fast, smooth cuts that are less stressful on your saw.

TENSIONING RING

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

LASER-CUT HEAT EXPANSION SLOTS

Engineered to allow blade expansion when heat build-up occurs from use, preventing blade warping.

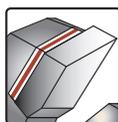
LASER-CUT SOUND-DAMPENING CHANNELS

Specifically designed to dampen running noise and control wobbling caused by unwanted harmonic vibration.



FINEST MICROGRAIN CARBIDE

Cutting teeth are made from the finest grade of micrograin carbide which stay sharper longer and provide greater resistance to impact.



TRI-METAL BRAZING

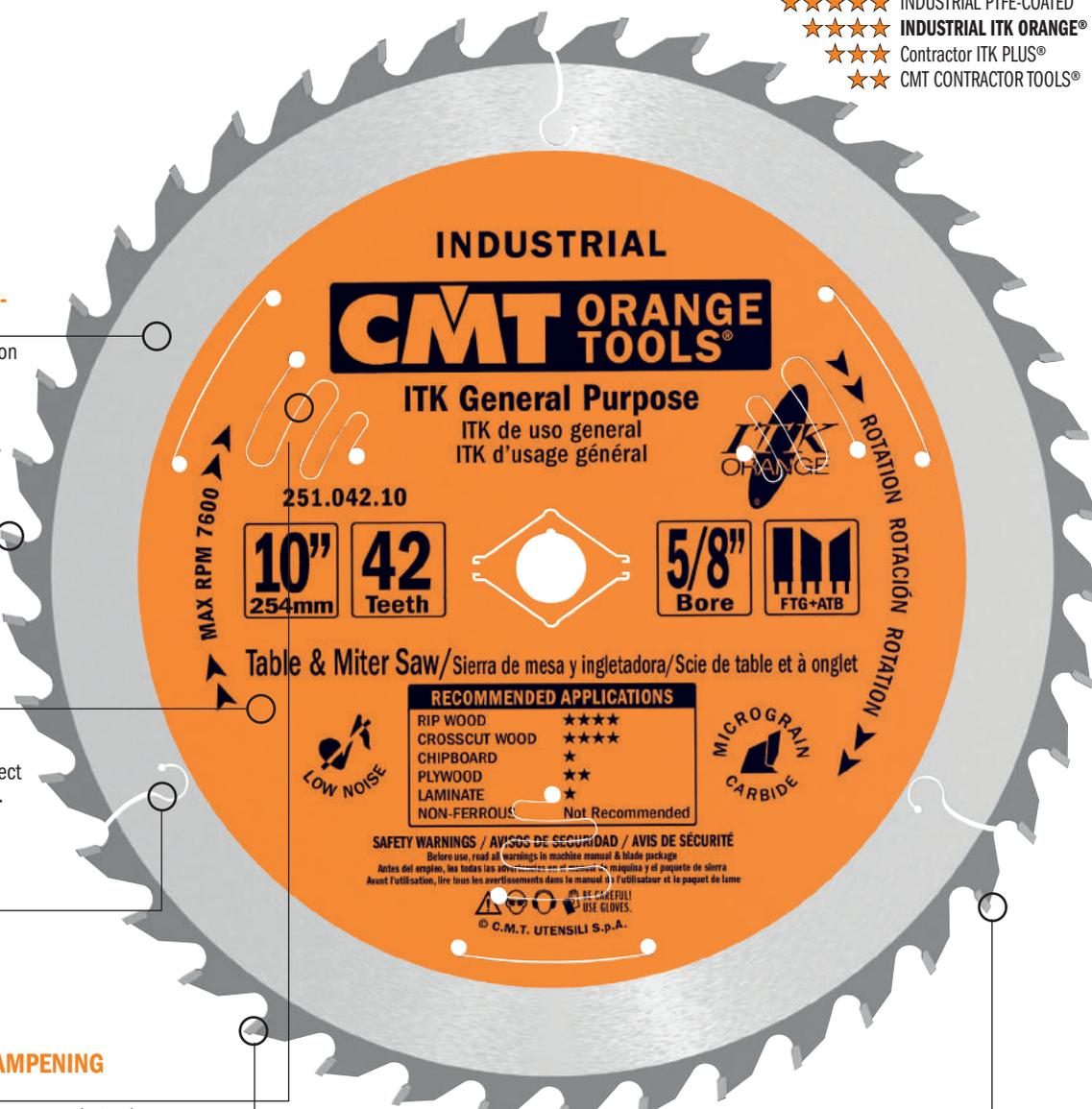
The Silver-Copper-Silver tri-metal brazing tipping process lets the teeth withstand severe impact caused by cutting harder woods and composite material.



PRECISION SHARPENING

Each tooth is ground to razor sharp precision on a multi-axis CNC machine which creates perfect edge angles, guaranteeing extra-clean cuts and extended life. Featuring less than 0.40 µm R max in edge roughness.

- ★★★★★ INDUSTRIAL CHROME/XTREME
- ★★★★★ INDUSTRIAL PTFE-COATED
- ★★★★★ **INDUSTRIAL ITK ORANGE®**
- ★★★★ Contractor ITK PLUS®
- ★★★ CMT CONTRACTOR TOOLS®

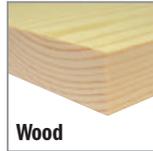


INDUSTRIAL ITK ORANGE®



DELIVERED IN A UNIQUE
CMT PLASTIC CASE.

For use with:



Quality: Best

User: Professional & Contractor

Usage: Heavy Daily Use

Coated: Hard Lacquer

Kerf: Thin

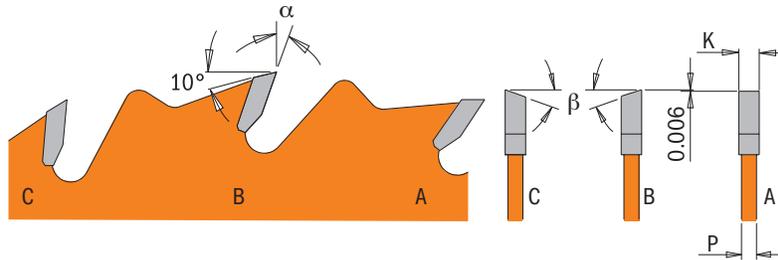
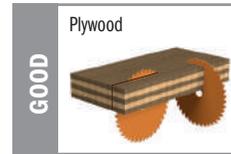
DIAMETER	BORE	MACHINE USE	APPLICATIONS	MATERIALS	TEETH	KERF	ORDER NO.	PAGE
7-1/4"	5/8"	Circular & Cordless Saw	Fine Finish	Non-Ferrous Metals	56 TCG	0.087"	254.056.07	37
8-8-1/4"	5/8"	Circular & Cordless Saw	Fast Framing/Decking	Wood, Plywood	24 FTG+ATB	0.075"	250.024.08	34
8-8-1/4"	5/8"	Circular & Cordless Saw	Finish	Wood, Plywood	40 FTG+ATB	0.075"	251.040.08	34
8-1/2"	5/8"	Slide/Miter/Radial Arm Saw	Fine Finish	Chipboard, Melamine	60 FTG+ATB	0.087"	253.060.08	36
10"	5/8"	Chop Miter & Table Saw	Ripping	Wood, Plywood	24 FTG+ATB	0.098"	250.024.10	34
10"	5/8"	Chop Miter & Table Saw	General Purpose	Wood, Plywood	42 FTG+ATB	0.098"	251.042.10	34
10"	5/8"	Chop Miter & Table Saw	Combination	Wood, Plywood	50 FTG+ATB	0.098"	256.050.10	35
10"	5/8"	Chop Miter & Table Saw	Finish	Wood, Plywood	60 FTG+ATB	0.098"	252.060.10	35
10"	5/8"	Slide/Radial Arm/Table Saw	Finish	Wood, Plywood	60 FTG+ATB	0.098"	253.060.10	36
10"	5/8"	Slide/Radial Arm/Table Saw	Fine Finish	Non-Ferrous Metals	80 TCG	0.098"	254.080.10	37
10"	5/8"	Slide/Radial Arm/Table Saw	Fine Finish	Chipboard, Melamine	80 HATB	0.098"	255.080.10	36
10"	1"				20 ATB	0.087"	298.250.20	37
12"	1"	Chop Miter & Table Saw	General Purpose	Wood, Plywood	45 FTG+ATB	0.110"	251.045.12	34
12"	1"	Chop Miter & Table Saw	Finish	Wood, Plywood	72 FTG+ATB	0.110"	252.072.12	35
12"	1"	Slide/Radial Arm/Table Saw	Finish	Wood, Plywood	72 FTG+ATB	0.110"	253.072.12	36
12"	1"	Slide/Radial Arm/Table Saw	Fine Finish	Non-Ferrous Metals	96 TCG	0.010"	254.096.12	37
12"	1"	Slide/Radial Arm/Table Saw	Fine Finish	Chipboard, Melamine	96 HATB	0.110"	255.096.12	36
12"	20mm				20 ATB	0.087"	298.250.20H	37
14"	1"	Slide/Radial Arm/Table Saw	Finish	Wood, Plywood	96 FTG+ATB	0.110"	253.096.14	36

Industrial ITK Rip Blades



250

APPLICATION: Thin-Kerf design allows for fast rip cuts.
MACHINES: radial arm saws, miter saws, table saws.
MATERIAL: soft and hardwood.



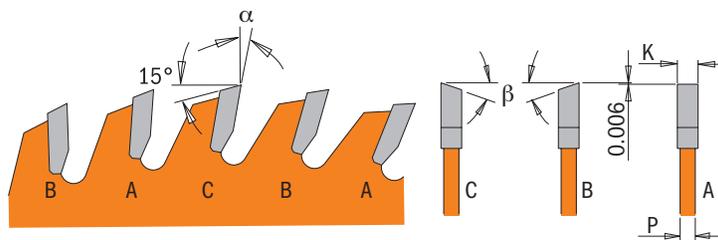
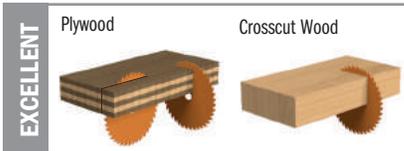
ORDER NO.		D		T	B	β	K	P	α
		inches	mm		inches		inches	inches	
250.024.08	5	8-8-1/4	210	24	5/8	1FTG+2/15° ATB	0.075	0.047	20°
250.024.10	5	10	254	24	5/8	1FTG+2/15° ATB	0.098	0.071	20°

Industrial ITK General Purpose Blades



251

APPLICATION: for fast rip and crosscuts.
MACHINES: radial arm saws, miter saws, table saws.
MATERIAL: soft/hardwood and plywood.



ORDER NO.		D		T	B	β	K	P	α
		inches	mm		inches		inches	inches	
251.040.08	5	8-8-1/4	210	40	5/8	1FTG+4/15° ATB	0.075	0.047	20°
251.042.10	5	10	254	42	5/8	1FTG+2/15° ATB	0.098	0.071	15°
251.045.12	5	12	305	45	1	1FTG+2/15° ATB	0.110	0.087	15°

Industrial ITK Combination Blades

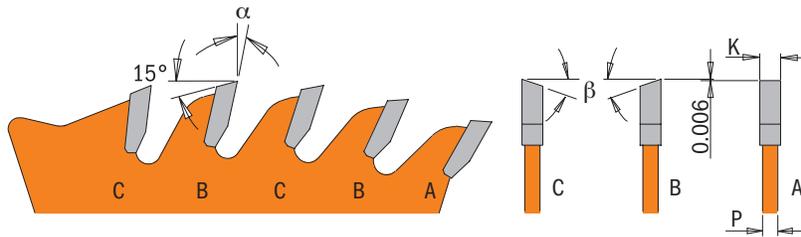


256

APPLICATION: for rip and crosscuts. Large gullets allow deep cuts and effective chip clearance.

MACHINES: radial arm saws, miter saws, table saws.

MATERIAL: soft/hardwood, plywood.



ORDER NO.		inches	D	mm	T	B	β	K	P	α
256.050.10	5	10		254	50	5/8	1FTG+4/20° ATB	0.098	0.071	15°

Industrial ITK Fine Cut-Off Blades

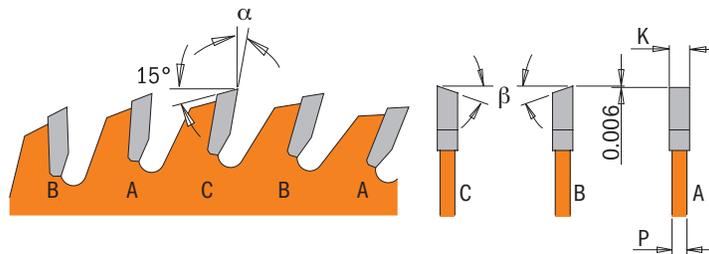
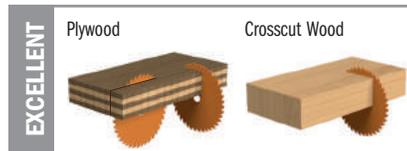


252

APPLICATION: for fast, extra-clean crosscuts and occasional rip cuts as well.

MACHINES: radial arm saws, miter saws, table saws.

MATERIAL: soft/hardwood and plywood.

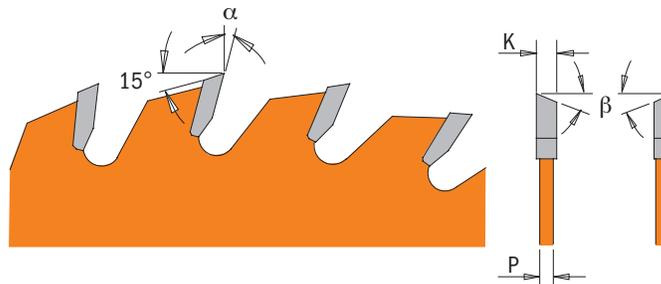
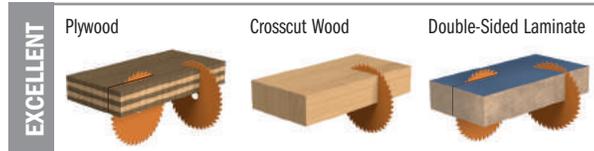


ORDER NO.		inches	D	mm	T	B	β	K	P	α
252.060.10	5	10		254	60	5/8	1FTG+2/20° ATB	0.098	0.071	15°
252.072.12	5	12		305	72	1	1FTG+2/20° ATB	0.110	0.087	15°



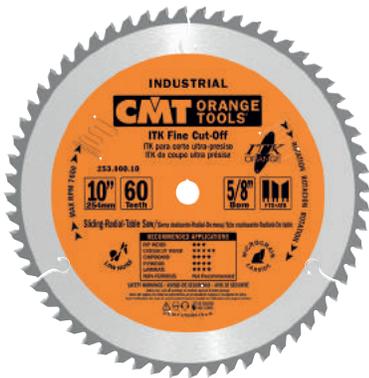
255

APPLICATION: for crosscuts, fine finishing on double-sided laminated panels without the scoring blade.
MACHINES: radial arm saws, miter saws, table saws.
MATERIAL: solid wood, moldings, melamine, laminates, veneered plywood, chipboard.



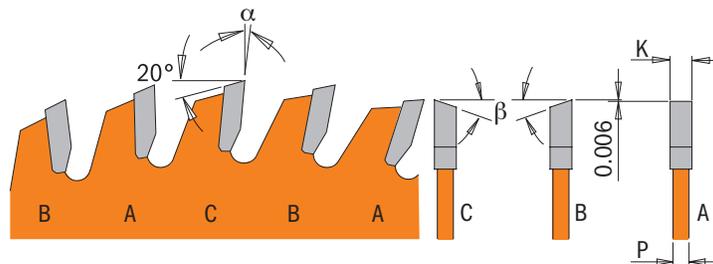
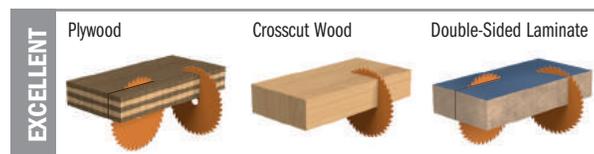
ORDER NO.		inches	D	mm	T	B	inches	β	K	inches	P	inches	α
255.080.10	5	10	254	80	5/8			40° ATB	0.098		0.071		5°
255.096.12	5	12	305	96	1			40° ATB	0.110		0.087		5°

Industrial ITK Finish Sliding Compound Miter Blades



253

APPLICATION: for fine finish crosscuts. Glass-smooth finish on miter cuts.
MACHINES: compound miter saws.
MATERIAL: soft/hardwood, plywood, Double-Sided Laminate.



ORDER NO.		inches	D	mm	T	B	inches	β	K	inches	P	inches	α
253.060.08	5	8-1/2	216	60	5/8			1FTG+2/15° ATB	0.087		0.055		7°
253.060.10	5	10	254	60	5/8			1FTG+2/15° ATB	0.098		0.071		7°
253.072.12	5	12	305	72	1			1FTG+2/15° ATB	0.110		0.087		7°
253.096.14	5	14	355	96	1			1FTG+2/15° ATB	0.110		0.087		7°

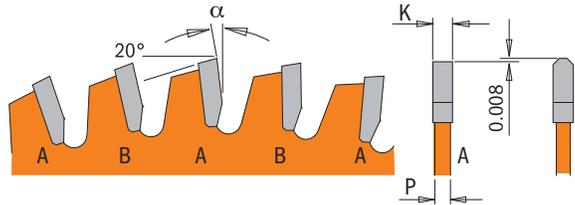


254

APPLICATION: for heavy-duty cutting, excellent on thin-walled, extrusions and good on thick-walled extrusions.

MACHINES: radial arm saws, miter saws, table and special saws.

MATERIAL: aluminum, brass, copper, PVC and non-ferrous metals.



ORDER NO.		D		T	B	β	K	P	α
		inches	mm						
254.056.07	5	7-1/4	184	56	5/8	TCG	0.087	0.063	-6°
254.080.10	5	10	254	80	5/8	TCG	0.098	0.071	-6°
254.096.12	5	12	305	96	1	TCG	0.110	0.087	-6°

Garden Trimmer Saw Blades

new



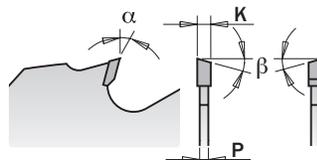
298

APPLICATION: for cutting grass, bushes and small trees.

MACHINES: hedge trimmers.

MATERIAL: grass, bushes and small trees.

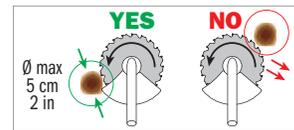
WARNING: always wear safety glasses and ear protection. Carefully read the safety recommendations provided for this product. RPM MAX 12,000



Bushes & Small Trees
(up to a diameter of 2")



Grass



ORDER NO.		D		T	B	β	K	P	α
		inches	mm						
298.250.20	10	10	254	20	1	10° ATB	0.087	0.055	15°
298.250.20H	10	10	254	20	20mm	10° ATB	0.087	0.055	15°

Contractor ITK PLUS®

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

BETTER



- ★★★★★ INDUSTRIAL CHROME/XTREME
- ★★★★★ INDUSTRIAL PTFE-COATED
- ★★★★★ INDUSTRIAL ITK ORANGE®
- ★★★★ Contractor ITK PLUS®
- ★★★ CMT CONTRACTOR TOOLS®



HEAVY-DUTY LASER CUT PLATE

Cut from the finest steel and hardened to 44 HRC, these thin, yet strong blades ensure longer life and exceptional cutting precision.

LASER-CUT HEAT EXPANSION SLOTS

Engineered to allow blade expansion when heat build-up occurs from use, preventing blade warping.

LASER-CUT SOUND-DAMPENING CHANNELS

Specifically designed to dampen running noise and control wobbling caused by unwanted harmonic vibration.

SUPER THIN-KERF DESIGN

A remarkably thin-kerf reduces material waste as well as stress on the saw promising reliable, good-quality performance.



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.



INDUSTRIAL SINTERHIP HI-DENSITY CARBIDE

The SinterHIP method (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.



SHEAR ANGLE SHARPENING

The shear angle grind on the face front of the teeth produces smooth cuts, reducing the cutting force, improving cutting speed and setting new standard for performance.



CMT ORANGE TOOLS®

ITK PLUS® P10042

General Purpose

Usos General
Usage Général



10"
254mm

42
Teeth

5/8"
Bore



MAX RPM 7000

ROTATION ROTACIÓN
ROTATION ROTACIÓN

Table & Miter Saw / Sierra de mesa y Ingletadora / Scie de table et onglet

RECOMMENDED APPLICATIONS

RIP WOOD	★★★★★
CROSSCUT WOOD	★★★★★
CHIPBOARD	★
PLYWOOD	★★
LAMINATE	★
NON-FERROUS	Not Recommended



LOW NOISE

SAFETY WARNINGS / AVISOS DE SEGURIDAD / AVIS DE SÉCURITÉ

Before use, read all warnings in machine manual & blade package
Antes del empleo, lea todas las advertencias en el manual de máquina y el paquete de sierra
Avant l'utilisation, lire tous les avertissements dans le manuel de l'utilisateur et le paquet de lame



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DELIVERED IN A UNIQUE CMT CLAMSHELL CASE.

Contractor ITK PLUS®

For use with:



Quality: Better

User: Contractor & Remodeler

Usage: Daily

Coated: Orange Shield

Kerf: Thin

DIAMETER	BORE	MACHINE USE	APPLICATIONS	MATERIALS	TEETH	KERF	ORDER NO.	PAGE
3-3/8"	15mm	Trim & Cordless Saw	Siding & Trim	Fiber Cement	6 TCG	0.071"	236.085.06G	42
5-3/8"	10mm	Trim & Cordless Saw	Fast Framing/Decking	Wood, Plywood	18 ATB+S	0.059"	P05018	40
5-3/8"	10mm	Trim & Cordless Saw	Finish	Wood, Plywood	36 ATB+S	0.059"	P05036	41
6-1/2"	5/8"	Circular & Cordless Saw	Fast Framing/Decking	Wood, Plywood	18 ATB+S	0.069"	P06018	40
6-1/2"	5/8"	Circular & Cordless Saw	Fast Framing/Decking	Wood, Plywood	18 ATB+S	0.069"	P06018-X10*	40
6-1/2"	5/8"				24 V-DRIVE	0.065"	P06524-X10*	40
6-1/2"	5/8"				40 V-DRIVE	0.065"	P06540-X10*	40
6-1/2"	5/8"	Circular & Cordless Saw	Finish	Wood, Plywood	36 ATB+S	0.069"	P06036	41
6-1/2"	5/8"	Circular & Cordless Saw	Siding & Trim	Fiber Cement	4 TCG	0.071"	236.004.06	42
7-1/4"	5/8"	Circular & Cordless Saw	Fast Framing/Decking	Wood, Plywood	18 ATB+S	0.069"	P07018-X10*	40
7-1/4"	5/8"	Circular & Cordless Saw	Fast Framing/Decking	Wood, Plywood	24 ATB+S	0.069"	P07024	40
7-1/4"	5/8"	Circular & Cordless Saw	Fast Framing/Decking	Wood, Plywood	24 ATB+S	0.069"	P07024-X10*	40
7-1/4"	5/8"				24 V-DRIVE	0.065"	P07524-X10*	40
7-1/4"	5/8"	Circular & Cordless Saw	Finish	Wood, Plywood	40 ATB+S	0.069"	P07040	41
7-1/4"	5/8"	Circular & Cordless Saw	Finish	Wood, Plywood	40 ATB+S	0.069"	P07040-X10*	41
7-1/4"	5/8"				40 V-DRIVE	0.065"	P07540-X10*	40
7-1/4"	5/8"	Circular & Cordless Saw	Fine Finish	Wood, Plywood	60 ATB+S	0.069"	P07060	41
7-1/4"	5/8"	Circular & Cordless Saw	Fine Finish	Composite Decking, Non-Ferrous	56 TCG	0.087"	P07056N	46
7-1/4"	5/8"	Circular & Cordless Saw	Plywood Finish	Wood, Plywood	140 TCG	0.071"	P07140-X10*	47
7-1/4"	5/8"	Circular & Cordless Saw	Siding & Trim	Fiber Cement	10 TCG	0.067"	P07010	42
7-1/4"	5/8"	Circular & Cordless Saw	Siding & Trim	Fiber Cement	4 TCG	0.071"	236.004.07	42
8-8-1/4"	5/8"	Circular & Cordless Saw	Fast Framing/Decking	Wood, Plywood	24 ATB+S	0.069"	P08024	40
8-8-1/4"	5/8"	Circular & Cordless Saw	Finish	Wood, Plywood	40 ATB+S	0.069"	P08040	41
8-1/2"	5/8"	Slide/Miter/Radial Arm Saw	Fine Finish	Chipboard, Melamine	60 ATB+S	0.069"	P08060S	46
10"	5/8"	Chop Miter & Table Saw	Ripping	Wood, Plywood	24 ATB+S	0.094"	P10024	43
10"	5/8"	Chop Miter & Table Saw	General Purpose	Wood, Plywood	42 ATB+S	0.094"	P10042	43
10-1/4"	5/8"	Beam Saw	General Purpose	Wood, Plywood	42 ATB+S	0.094"	P10042W	43
10"	5/8"	Chop Miter & Table Saw	Combination	Wood, Plywood	50 ATB+S	0.094"	P10050	44
10"	5/8"	Chop Miter & Table Saw	Finish	Wood, Plywood	60 ATB+S	0.094"	P10060	44
10"	5/8"	Slide/Radial Arm/Table Saw	Finish	Wood, Plywood	60 ATB+S	0.094"	P10060S	46
10"	5/8"	Chop Miter & Table Saw	Finish	Wood, Plywood, Laminate	60 TCG	0.094"	P10060L	45
10"	5/8"	Chop Miter & Table Saw	Ultra Finish	Plywood, Laminate	80 ATB+S	0.094"	P10080	45
10"	5/8"	Chop Miter & Table Saw	Fine Finish	Composite Decking, Non-Ferrous	80 TCG	0.102"	P10080N	46
10"	5/8"	Chop Miter & Table Saw	Siding & Trim	Fiber Cement	6 TCG	0.083"	236.006.10	42
12"	1"	Chop Miter & Table Saw	General Purpose	Wood, Plywood	42 ATB+S	0.102"	P12042	43
12"	1"	Chop Miter & Table Saw	Finish	Wood, Plywood	72 ATB+S	0.102"	P12072	44
12"	1"	Slide/Radial Arm/Table Saw	Finish	Wood, Plywood	72 ATB+S	0.102"	P12072S	46
12"	1"	Chop Miter & Table Saw	Finish	Wood, Plywood, Laminate	72 TCG	0.102"	P12072L	45
12"	1"	Chop Miter & Table Saw	Ultra Finish	Plywood, Laminate	96 ATB+S	0.102"	P12096	45
12"	1"	Chop Miter & Table Saw	Fine Finish	Composite Decking, Non-Ferrous	96 TCG	0.110"	P12096N	46
12"	1"	Chop Miter & Table Saw	Siding & Trim	Fiber Cement	8 TCG	0.083"	236.008.12	42

*X10 (10 pcs. in Masterpack)

Ultimate Contractor **ITK^{PLUS}** V-DRIVE Blades

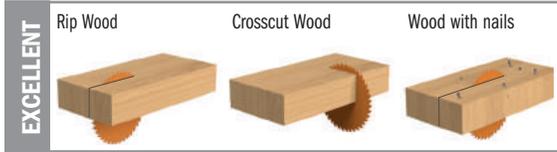
new

CMT ORANGE TOOLS

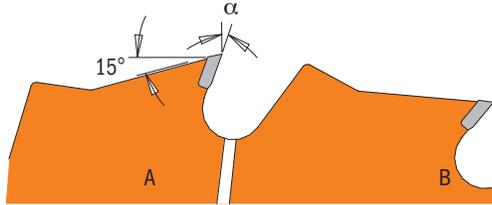


P065 - P075

APPLICATION: for framing/decking and general construction. Faster cuts thanks to special V-DRIVE teeth.
MACHINES: corded and cordless circular saws.
MATERIAL: wood with nails, lumber, plywood, OSB sheets.



X10 (10 pcs. in Masterpack)



ULTIMATE FOR CORDLESS



ORDER NO.	Masterpack 10 pcs.	inches	D mm	T	B inches	β	K inches	P inches	α	APPLICATION
P06524-X10	30	6-1/2	165	24	5/8	V-DRIVE	0.065	0.040	15°	Framing
P06540-X10	30	6-1/2	165	40	5/8	V-DRIVE	0.065	0.040	15°	Finish
P07524-X10	30	7-1/4	184	24	5/8	V-DRIVE	0.065	0.040	15°	Framing
P07540-X10	30	7-1/4	184	40	5/8	V-DRIVE	0.065	0.040	15°	Finish

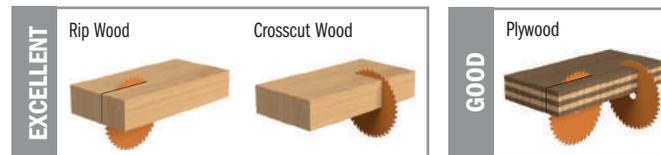
Contractor **ITK^{PLUS}** Fast Framing Blades



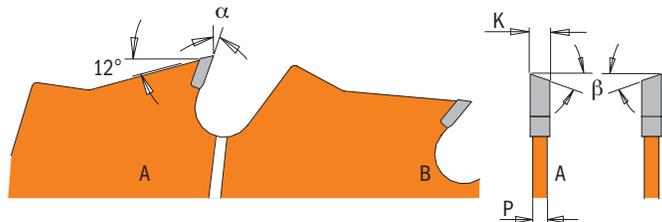
P05018 - P06018 - P07024 - P08024



APPLICATION: for framing/decking and general construction. Faster cuts thanks to special ground teeth.
MACHINES: portable and cordless circular saws.
MATERIAL: lumber, plywood, OSB sheets.



X10 (10 pcs. in Masterpack)



ORDER NO.	Clamshell	Masterpack 10 pcs.	inches	D mm	T	B inches	β	K inches	P inches	α
P05018		10	5-3/8	136.5	18	10mm	10° ATB+S	0.059	0.039	20°
P06018		30	6-1/2	165	18	5/8	10° ATB+S	0.069	0.039	20°
		30	7-1/4	184	18	5/8	10° ATB+S	0.069	0.043	20°
P07024		30	7-1/4	184	24	5/8	10° ATB+S	0.069	0.043	20°
P08024		10	8-8-1/4	203	24	5/8	10° ATB+S	0.069	0.043	20°



P05036 - P06036 - P07040 - P08040



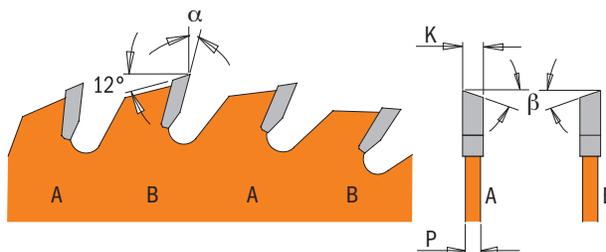
APPLICATION: for smooth finish crosscuts.
Faster cuts thanks to special ground teeth.

MACHINES: portable and cordless circular saws.

MATERIAL: soft/hardwood, plywood.



X10 (10 pcs. in Masterpack)



ORDER NO.	Clamshell	Masterpack 10 pcs.	Box	D	T	B	β	K	P	α	
				inches	mm	inches		inches	inches		
P05036			10	5-3/8	136.5	36	10mm	10° ATB+S	0.059	0.039	18°
P06036			10	6-1/2	165	36	5/8	10° ATB+S	0.069	0.039	20°
P07040		P07040-X10	30	7-1/4	184	40	5/8	10° ATB+S	0.069	0.043	18°
P08040			10	8-8-1/4	203	40	5/8	10° ATB+S	0.069	0.043	20°

Contractor **ITK^{PLUS}**® Ultra Finish Blades



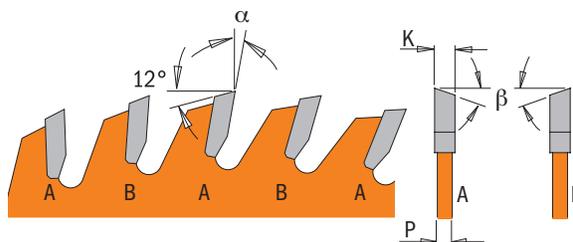
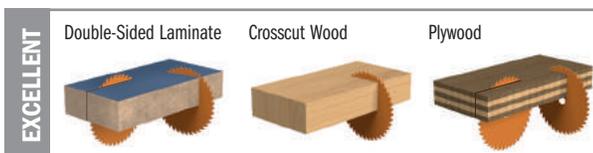
P07060



APPLICATION: for crosscut, perfect finishing.

MACHINES: portable and cordless circular saws.

MATERIAL: soft/hardwood, lumber, plywood, OSB sheets and melamine.



ORDER NO.	Box	D	T	B	β	K	P	α	
	inches	mm		inches		inches	inches		
P07060	10	7-1/4	184	60	5/8	10° ATB+S	0.069	0.043	5°

Contractor **ITK'PLUS**® Blades for Fiber Cement Products

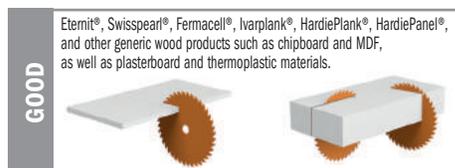
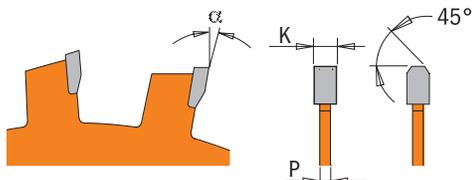


P07010

APPLICATION: for fast cuts and improved durability on all fiber cement applications.

MACHINES: portable circular saws.

MATERIAL: Eternit®, Swisspearl®, Fermacell®, Ivarplank®, HardiePlank®, HardiePanel®, and other generic wood products such as chipboard and MDF, as well as plasterboard and thermoplastic materials.



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

Contractor **ITK'PLUS**® Diamond Blades for Fiber Cement Products

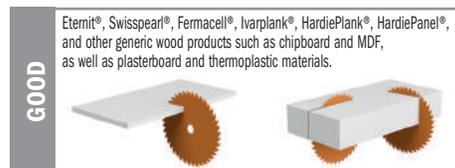
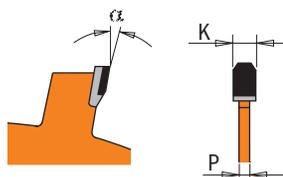


236

APPLICATION: for long life cuts up to 60x longer life than traditional carbide blades.

MACHINES: portable circular saws and miter saws.

MATERIAL: Eternit®, Swisspearl®, Fermacell®, Ivarplank®, HardiePlank®, HardiePanel®, and other generic wood products such as chipboard and MDF, as well as plasterboard and thermoplastic materials.



ORDER NO.		D	T	B	PIN HOLE	β	K	P	α
		inches	mm	inches			inches	inches	
236.085.06G	10	3-3/8	85	6	15mm	TCG	0.071	0.055	12°
236.004.06	10	6-1/2	165	4	5/8	TCG	0.071	0.055	12°
236.004.07	10	7-1/4	184	4	5/8	TCG	0.071	0.055	12°
236.006.10	10	10	254	6	5/8	TCG	0.087	0.063	12°
236.008.12	5	12	305	8	1	TCG	0.087	0.063	12°
For Festool® Machine									
236.160.04H	10	160	4	20mm	2/6/32	TCG	0.094	0.070	12°
NEW 236.190.04M	10	190	4	30mm	2/7/42	TCG	0.094	0.070	12°
236.210.12M	10	210	12	30mm	2/7/42	TCG	0.094	0.070	12°

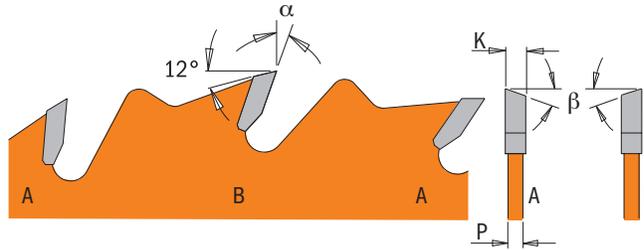


P10024

APPLICATION: for fast rip cuts thanks to the shear angle design.

MACHINES: radial arm saws, miter saws, table saws.

MATERIAL: soft and hardwood.



ORDER NO.		inches	D	mm	T	B	β	K	P	α
P10024	10	10	254	24	5/8	10° ATB+S	0.094	0.063	20°	

Contractor **ITK^{PLUS}** General Purpose Blades

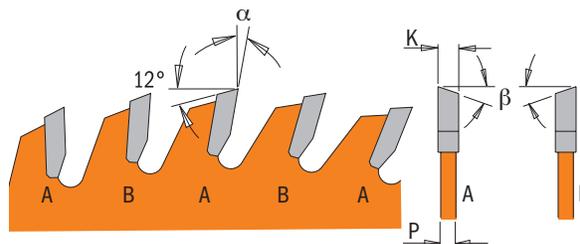
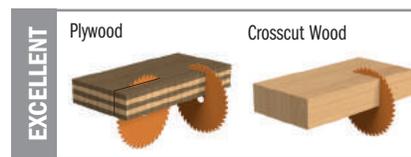


P10042 - P10042W - P12042

APPLICATION: for fast rip and crosscuts.

MACHINES: radial arm saws, miter saws, table saws.

MATERIAL: soft/hardwood and plywood.



ORDER NO.		inches	D	mm	T	B	β	K	P	α
P10042	10	10	254	42	5/8	10° ATB+S	0.094	0.063	15°	
P10042W	10	10-1/4	260	42	5/8	10° ATB+S	0.094	0.063	15°	
P12042	5	12	305	42	1	10° ATB+S	0.102	0.071	18°	

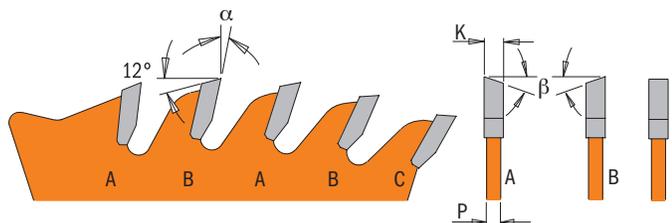


P10050

APPLICATION: for rip and crosscuts. The large gullets allow deep cuts and effective chip clearance.

MACHINES: radial arm saws, miter saws, circular saws, table saws.

MATERIAL: soft/hardwood, plywood.



ORDER NO.		inches	D mm	T	B inches	β	K inches	P inches	α
P10050	10	10	254	50	5/8	1FTG+4 ATB+S	0.094	0.063	15°

Contractor **ITK^{PLUS}**® Finish Blades

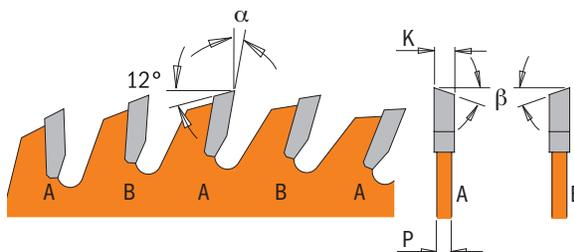
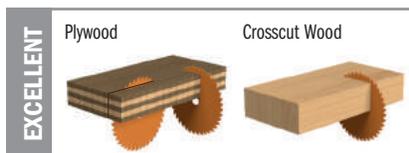


P10060 - P12072

APPLICATION: for fast extra-clean crosscuts and occasional rip as well.

MACHINES: radial arm saws, miter saws, table saws.

MATERIAL: soft/hardwood and plywood.



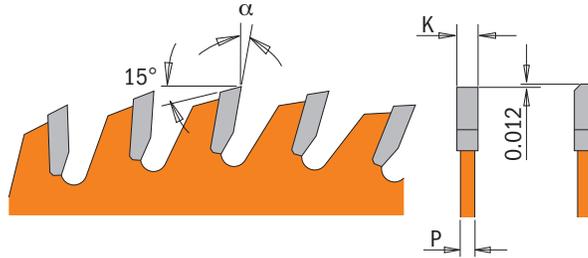
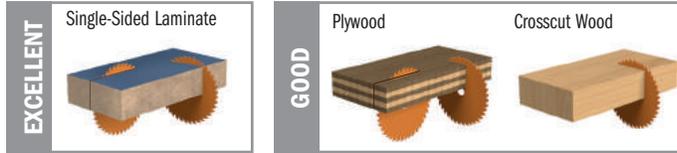
ORDER NO.		inches	D mm	T	B inches	β	K inches	P inches	α
P10060	10	10	254	60	5/8	10° ATB+S	0.094	0.063	15°
P12072	5	12	305	72	1	10° ATB+S	0.102	0.071	15°



P10060L - P12072L



APPLICATION: for heavy-duty crosscuts, perfect finishing on single-sided laminated panels.
MACHINES: radial arm saws, miter saws, table and special saws.
MATERIAL: chipboard, MDF, laminate, hardwood and plywood.



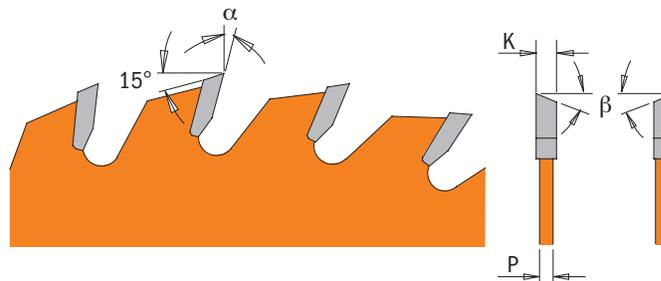
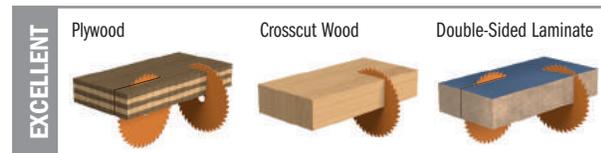
ORDER NO.		D inches	D mm	T	B inches	β	K inches	P inches	α
P10060L	10	10	254	60	5/8	TCG	0.094	0.063	10°
P12072L	5	12	305	72	1	TCG	0.102	0.071	10°



P10080 - P12096



APPLICATION: for crosscuts, fine finishing on double-sided laminated panels without the scoring blade.
MACHINES: radial arm saws, miter saws, table saws.
MATERIAL: solid wood, moldings, melamine, laminates, veneered plywood, chipboard.



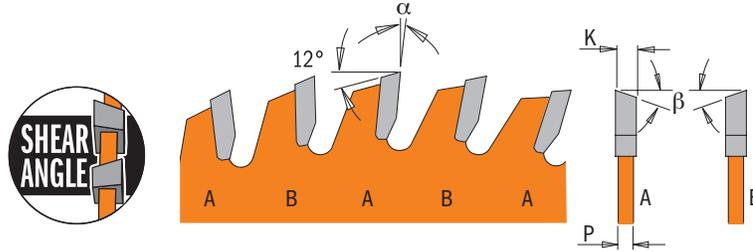
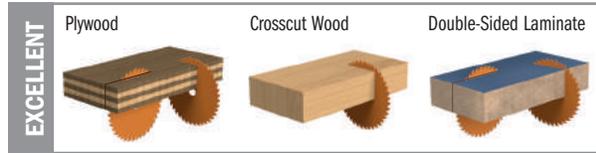
ORDER NO.		D inches	D mm	T	B inches	β	K inches	P inches	α
P10080	10	10	254	80	5/8	30° ATB+S	0.094	0.063	10°
P12096	5	12	305	96	1	30° ATB+S	0.102	0.071	10°



P08060S - P10060S - P12072S



APPLICATION: for fine finish crosscuts. Glass-smooth finish on miter cuts.
MACHINES: compound miter saws.
MATERIAL: soft/wood, plywood, Double-Sided Laminate.



ORDER NO.		D	T	B	β	K	P	α	
		inches	mm	inches		inches	inches		
P08060S	10	8-1/2	216	60	5/8	10° ATB+S	0.069	0.043	7°
P10060S	10	10	254	60	5/8	10° ATB+S	0.094	0.063	7°
P12072S	5	12	305	72	1	10° ATB+S	0.102	0.071	5°

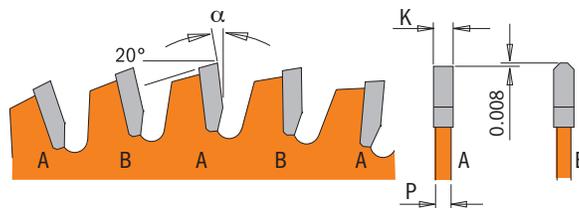
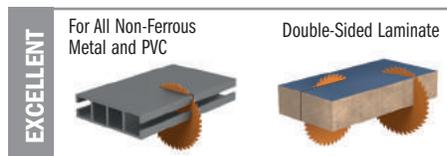
Contractor **ITK^{PLUS}**® Non-Ferrous Metal & Composite Decking



P07056N - P10080N - P12096N



APPLICATION: for heavy-duty cutting, excellent on thin-walled extrusions, good on thick-walled extrusions.
MACHINES: radial arm saws, miter saws, table and special saws.
MATERIAL: aluminum, brass, copper, PVC, non-ferrous metals and composite decking.

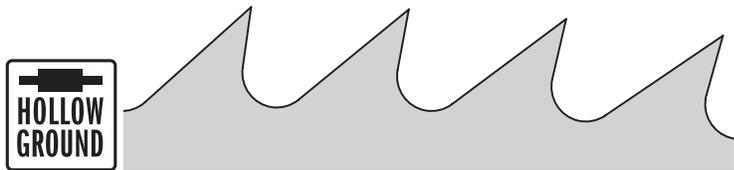


ORDER NO.		D	T	B	β	K	P	α	
		inches	mm	inches		inches	inches		
P07056N	10	7-1/4	184	56	5/8	TCG	0.087	0.063	-6°
P10080N	10	10	254	80	5/8	TCG	0.102	0.071	-6°
P12096N	5	12	305	96	1	TCG	0.110	0.079	-6°



P07140-X10

APPLICATION: for smooth finish crosscuts.
MACHINES: circular & cordless saw.
MATERIAL: plywood, laminates, plastic, veneer.



X10 (10 pcs. in Masterpack)

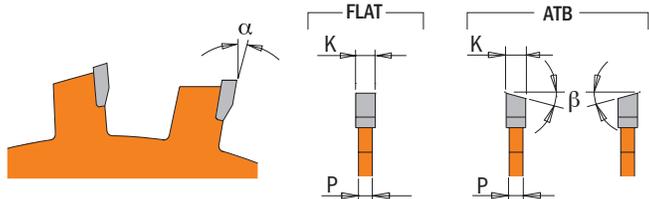
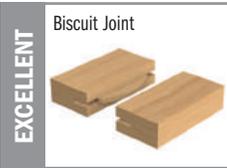
ORDER NO.		inches	D mm	T	B inches	K inches	P inches	α
P07140-X10	30	7-1/4	184	140	5/8	0.071	0.063	5°

Biscuit Joiner Blades



240 - 241

The 4" biscuit joiner blades featuring CMT's trademark PTFE Industrial coating make biscuit joints quickly and easily. High-grade German steel and 8 micrograin carbide-tipped teeth guarantee years of use. These blades fit Lamello®, Dewalt®, Porter-Cable®, Skil®, Bosch® Freud® and other popular biscuit joiner models.



ORDER NO.		inches	D mm	T	B mm	PIN HOLE 	β	K inches	P inches	α
Fits Lamello®, DeWalt®, Skil®, Bosch®, Freud® & similar Biscuit Joiners										
240.006.04	10	4	100	6	22	4/4,5 - 9,5/36	ATB	0.157	0.122	18°
240.008.04	10	4	100	8	22	4/4,5 - 9,5/36	ATB	0.157	0.110	15°
Fits older Porter-Cable® & Lamello® Biscuit Joiners										
241.008.04	10	4	100	8	22	-	FLAT	0.157	0.154	15°

One Framing + One Finishing Blade Combo Pack

new

CMT ORANGE TOOLS®



P060-X02

APPLICATION: for framing/decking, general construction and finish crosscut. Faster cuts thanks to special ground teeth.

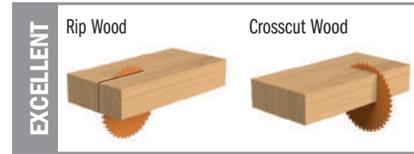
MACHINES: portable and cordless circular saws.

MATERIAL: lumber, plywood, OSB sheets.

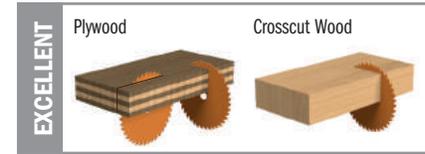
CARBIDE TIPPED



P06018



P06036



10 Combo in End-cap display
(minimum order 10 Combo packs)



SET CONTAINS	D	T	B	β	α
	inches	mm	inches		
P06018 (1)	6-1/2	18	5/8	10° ATB+S	20°
P06036 (1)	6-1/2	36	5/8	10° ATB+S	20°

One Framing + One Finishing Blade Combo Pack

new



P070-X02

APPLICATION: for framing/decking, general construction and finish crosscut. Faster cuts thanks to special ground teeth.

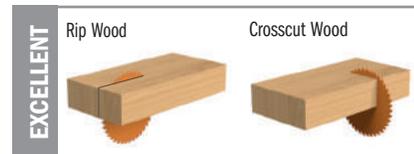
MACHINES: portable and cordless circular saws.

MATERIAL: lumber, plywood, OSB sheets.

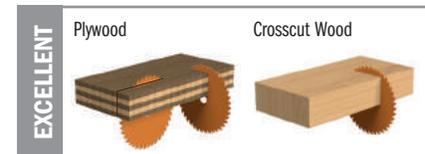
CARBIDE TIPPED



P07024



P07040



10 Combo in End-cap display
(minimum order 10 Combo packs)



SET CONTAINS	D	T	B	β	α
	inches	mm	inches		
P07024 (1)	7-1/4	24	5/8	10° ATB+S	20°
P07040 (1)	7-1/4	40	5/8	10° ATB+S	18°

One Ripping + One Finishing Blade Combo Pack

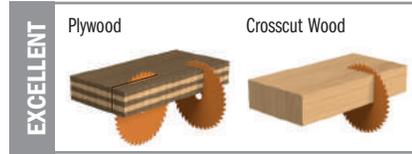


P1001C

APPLICATION: for accurate rip and finishing crosscuts.
MACHINES: portable benchtop and table saws.
MATERIAL: soft/hardwood and plywood and OSB panels.



P10060



P10024

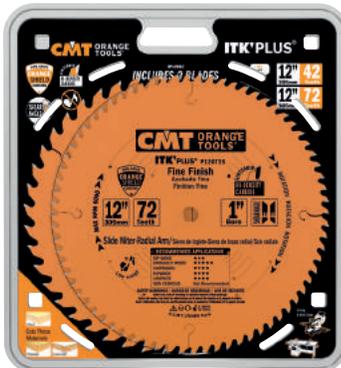


SET CONTAINS	inches	D	mm	T	B	inches	β	α
P10060 (1)	10	24	254	60	5/8	10° ATB+S	15°	
P10024 (1)	10	24	254	24	5/8	10° ATB+S	20°	

8 Combo in End-cap display
(minimum order 8 Combo packs)



One Ripping + One Finishing for Sliding Compound Miter Saw

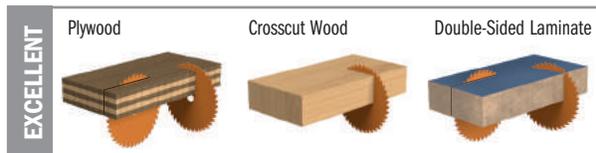


P1201C

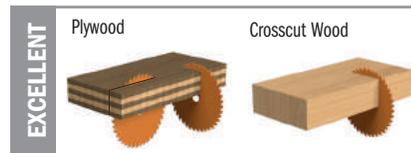
APPLICATION: for accurate rip and finishing crosscuts.
MACHINES: portable benchtop and table saws.
MATERIAL: soft/hardwood and plywood and OSB panels.



P12072S



P12042



SET CONTAINS	inches	D	mm	T	B	inches	β	α
P12072S (1)	12	42	305	72	1	10° ATB+S	5°	
P12042 (1)	12	42	305	42	1	10° ATB+S	18°	



8 Combo in End-cap display
(minimum order 8 Combo packs)

CMT CONTRACTOR TOOLS®

GOOD



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

- ★★★★★ INDUSTRIAL CHROME/XTREME
- ★★★★★ INDUSTRIAL PTFE-COATED
- ★★★★★ INDUSTRIAL ITK ORANGE®
- ★★★★ Contractor ITK PLUS®
- ★★★ CMT CONTRACTOR TOOLS®



HEAVY-DUTY STEEL PLATE

Cut from the finest steel and hardened to 44 HRC, these thin, yet strong blades ensure longer life and cutting precision.

HEAT EXPANSION SLOTS

Engineered to allow blade expansion when heat build-up occurs from use, preventing blade warping.

THIN-KERF DESIGN

A remarkably thin-kerf reduces material waste as well as stress on the saw promising reliable, good-quality performance.

CLEAR HARD LACQUER COATING

This corrosion-resistant coating helps prevent rusting.



LONG LASTING CONSTRUCTION GRADE CARBIDE

The cutting teeth are made of specially formulated construction grade carbide extending cutting life and enhancing cutting performance.



RECOMMENDED APPLICATIONS	
RIP WOOD	★★★
CROSSCUT WOOD	★★★
CHIPBOARD	★
PLYWOOD	★★★
LAMINATE	★
NON-FERROUS	Not Recommended

SAFETY WARNINGS / AVISOS DE SEGURIDAD / AVIS DE SÉCURITÉ
 Before use, read all warnings in machine manual & blade package
 Antes del empleo, lea todas las advertencias en el manual de máquina y el paquete de sierra
 Avant l'utilisation, lire tous les avertissements dans le manuel de l'utilisateur et le paquet de lame



**FASTER CUT
 LONGER LIFE
 RESHARPENABLE**



CMT CONTRACTOR TOOLS®



DELIVERED IN A UNIQUE
CMT CLAMSHELL CASE.

For use with:



Quality: Good

User: Contractor & Remodeler

Usage: Daily

Coated: Hard Lacquer

Kerf: Thin

DIAMETER	BORE	MACHINE USE	APPLICATIONS	MATERIALS	TEETH	KERF	ORDER NO.	PAGE
3-3/8"	15mm	Trim & Cordless Saw	Fine Finish	Wood, Plywood	24 ATB	0.043"	K02403	53
4-3/8"	5/8"	Trim & Cordless Saw	Fine Finish	Wood, Plywood	36 ATB	0.059"	K03604	53
5-1/2"	5/8"	Trim & Cordless Saw	Finish	Wood, Plywood	24 ATB	0.063"	K02405	52
6-1/2"	5/8"	Circular & Cordless Saw	Fast Framing/Decking	Wood, Plywood	24 ATB	0.094"	K02406	52
6-1/2"	5/8"	Circular & Cordless Saw	Finish	Wood, Plywood	36 ATB	0.071"	K03606	52
7-1/4"	5/8"	Circular & Cordless Saw	Fast Framing/Decking	Wood, Plywood	24 ATB	0.071"	K02407	52
7-1/4"	5/8"	Circular & Cordless Saw	Fast Framing/Decking	Wood, Plywood	24 ATB	0.071"	K02407-X10*	52
7-1/4"	5/8"	Circular & Cordless Saw	Finish	Wood, Plywood	40 ATB	0.071"	K04007	52
7-1/4"	5/8"	Circular & Cordless Saw	Finish	Wood, Plywood	40 ATB	0.071"	K04007-X10*	52
7-1/4"	5/8"	Circular & Cordless Saw	Fine Finish	Wood, Plywood	60 ATB	0.071"	K06007	53
7-1/4"	5/8"	Circular & Cordless Saw	Fast Framing/Finish	Wood, Plywood	24+40 ATB	0.071"	K0703C	56
7-1/4"	5/8"	Circular & Cordless Saw	Plywood Finish	Wood, Plywood	140 ATB	0.079"	K14007-X10*	53
8-8-1/4"	5/8"	Circular & Cordless Saw	Fast Framing/Decking	Wood, Plywood	24 ATB	0.071"	K02408	52
8-8-1/4"	5/8"	Circular & Cordless Saw	Finish	Wood, Plywood	40 ATB	0.071"	K04008	52
10"	5/8"	Chop Miter & Table Saw	Ripping	Wood, Plywood	24 ATB	0.094"	K02410	52
10"	5/8"	Chop Miter & Table Saw	General Purpose	Wood, Plywood	40 ATB	0.094"	K04010	54
10"	5/8"	Chop Miter & Table Saw	Finish	Wood, Plywood	60 ATB	0.094"	K06010	55
10"	5/8"	Chop Miter & Table Saw	Fine Finish	Wood, Plywood	80 ATB	0.094"	K08010	55
10"	5/8"	Chop Miter & Table Saw	General Purpose/Finish	Wood, Plywood	32+60 ATB	0.094"	K1001C	56
10"	5/8"	Chop Miter & Table Saw	Plywood Finish	Wood, Plywood	200 ATB	0.095"	K20010	53
12"	1"	Chop Miter & Table Saw	Ripping	Wood, Plywood	24 ATB	0.102"	K02412	54
12"	1"	Chop Miter & Table Saw	General Purpose	Wood, Plywood	40 ATB	0.102"	K04012	54
12"	1"	Chop Miter & Table Saw	Finish	Wood, Plywood	60 ATB	0.102"	K06012	55
12"	1"	Chop Miter & Table Saw	Fine Finish	Wood, Plywood	80 ATB	0.102"	K08012	55
14"	1"	Chop Miter & Table Saw	General Purpose	Wood, Plywood	60 ATB	0.126"	K06014	54

*X10 (10 pcs. in Masterpack)

Framing/Decking Blades

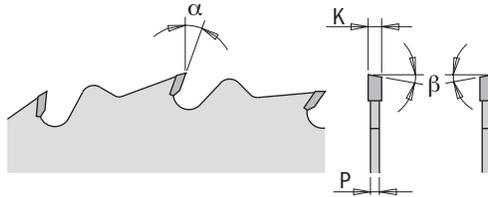


K02406 - K02407 - K02408

APPLICATION: for framing/decking and general construction.
MACHINES: portable and cordless circular saws.
MATERIAL: soft/hardwood, lumber, plywood, OSB sheets.



X10 (10 pcs. in Masterpack)



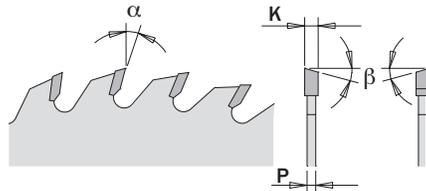
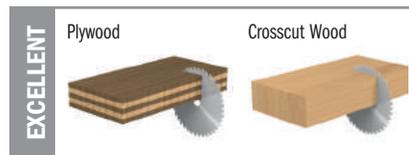
ORDER NO.	Clamshell Masterpack 10 pcs.	Box Icon	D	T	B	β	K	P	α
			inches	mm	inches		inches	inches	
K02406		10	6-1/2	24	5/8	12° ATB	0.071	0.047	18°
K02407	K02407-X10	30	7-1/4	24	5/8	10° ATB	0.071	0.047	20°
K02408		10	8 - 8-1/4	24	5/8	10° ATB	0.071	0.047	20°

Finishing Blades



K02405 - K03606 - K04007 - K04008

APPLICATION: for finishing crosscuts.
MACHINES: portable and cordless circular saws.
MATERIAL: soft/hardwood, lumber, plywood, OSB sheets.



X10 (10 pcs. in Masterpack)

ORDER NO.	Clamshell Masterpack 10 pcs.	Box Icon	D	T	B	β	K	P	α
			inches	mm	inches		inches	inches	
K02405*		10	5-1/2	24	5/8	8° ATB	0.063	0.039	22°
K03606		10	6-1/2	36	5/8	10° ATB	0.071	0.047	18°
K04007	K04007-X10	30	7-1/4	40	5/8	10° ATB	0.071	0.047	12°
K04008		10	8 - 8-1/4	40	5/8	10° ATB	0.071	0.047	20°

* Includes rings for 1/2" bore and 10mm bore

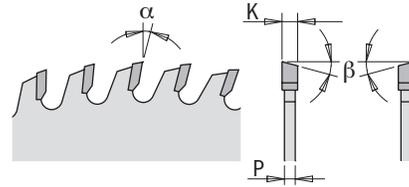
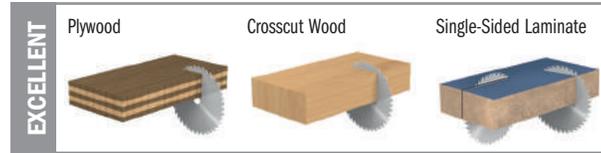
Ultra Finishing Blades



K02403 - K03604 - K06007



APPLICATION: for fine finishing crosscuts.
MACHINES: portable benchtop and table saws.
MATERIAL: soft/hardwood, plywood, OSB panels and melamine.



ORDER NO.		D	T	B	β	K	P	α
		inches	mm	inches		inches	inches	
K02403	10	3-3/8	24	15mm	5° ATB	0.043	0.028	12°
K03604*	10	4-3/8	36	5/8	8° ATB	0.059	0.039	15°
K06007	10	7-1/4	60	5/8	10° ATB	0.071	0.047	15°

* Includes rings for 3/8" bore and 10mm bore

Plywood Finishing Blades



K14007-X10



X10 (10 pcs. in Masterpack)

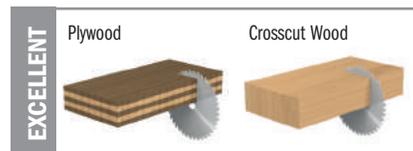
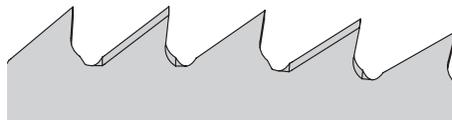
K20010



In clamshell

APPLICATION: for smooth finish crosscuts.
MACHINES: circular & cordless saw.
MATERIAL: plywood, OSB, plastic, veneer.

APPLICATION: for smooth finish crosscuts.
MACHINES: table & miter saw.
MATERIAL: plywood, OSB, plastic, veneer.



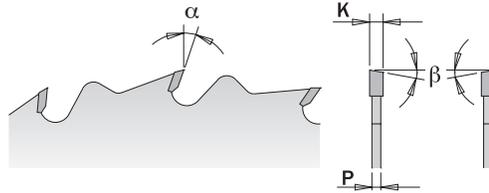
ORDER NO.		D	T	B	K	P	α
		inches	mm	inches	inches	inches	
Clamshell	Masterpack 10 pcs.						
K14007-X10	30	7-1/4	140	5/8	0.079	0.047	5°
K20010	10	10	200	5/8	0.095	0.071	5°

Ripping Blades



K02410 - K02412

APPLICATION: for frame and rip cuts on job site.
MACHINES: portable benchtop and table saws.
MATERIAL: soft and hardwood.



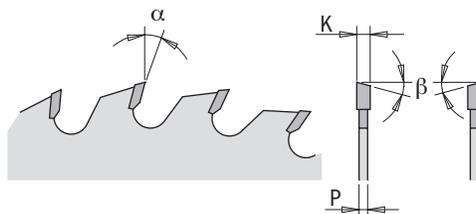
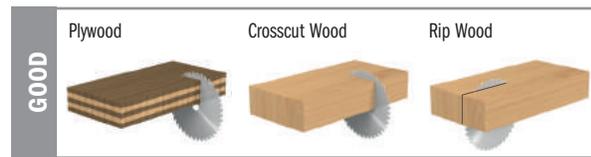
ORDER NO.		D inches	D mm	T	B inches	β	K inches	P inches	α
K02410	10	10	254	24	5/8	10° ATB	0.094	0.063	22°
K02412	5	12	305	24	1	10° ATB	0.102	0.071	15°

General Purpose Blades



K04010 - K04012 - K06014

APPLICATION: for accurate rip and crosscuts.
MACHINES: portable benchtop and table saws.
MATERIAL: soft/hardwood and plywood.



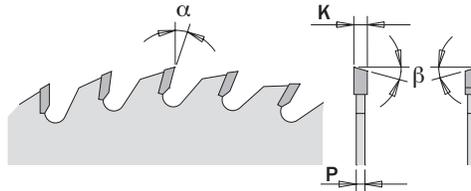
ORDER NO.		D inches	D mm	T	B inches	β	K inches	P inches	α
K04010	10	10	254	40	5/8	10° ATB	0.094	0.063	20°
K04012	5	12	305	40	1	10° ATB	0.102	0.071	15°
K06014	5	14	355	60	1	10° ATB	0.126	0.087	15°



K06010 - K06012



APPLICATION: for finishing crosscuts and occasional rip as well.
MACHINES: portable benchtop and table saws.
MATERIAL: soft/hardwood, plywood and OSB panels.



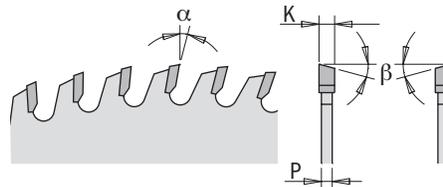
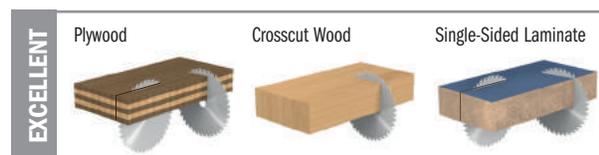
ORDER NO.		inches	D mm	T	B inches	β	K inches	P inches	α
K06010	10	10	254	60	5/8	10° ATB	0.094	0.063	15°
K06012	5	12	305	60	1	10° ATB	0.102	0.071	15°



K08010 - K08012

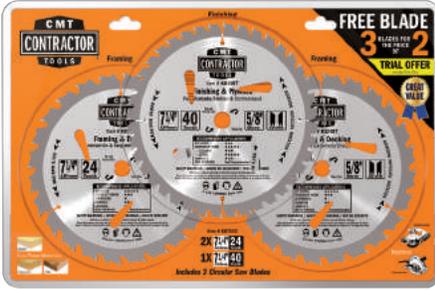


APPLICATION: for fine finishing crosscut.
MACHINES: radial arm saws, miter saws, table saws.
MATERIAL: soft/hardwood, plywood and laminate.



ORDER NO.		inches	D mm	T	B inches	β	K inches	P inches	α
K08010	10	10	254	80	5/8	10° ATB	0.094	0.063	15°
K08012	5	12	305	80	1	10° ATB	0.102	0.071	15°

Two Framing + One Finishing Blade Combo Pack



K0703C

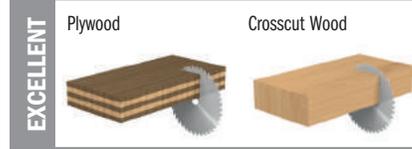
APPLICATION: for fast framing and finishing crosscuts.
MACHINES: circular and cordless saws.
MATERIAL: soft/hardwood and plywood and OSB panels.



K02407



K04007



15 Combo in End-cap display
(minimum order 15 Combo packs)

SET CONTAINS	D	T	B	β	α
	inches	mm	inches		
K02407 (2)	7-1/4	184	24	10° ATB	20°
K04007 (1)	7-1/4	184	40	10° ATB	12°

One Ripping + One Finishing Blade Combo Pack

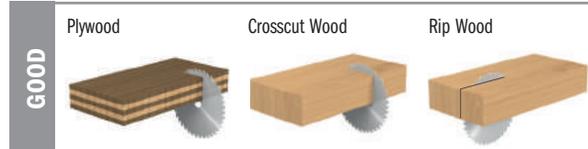


K1001C

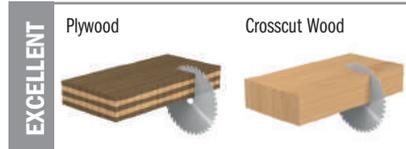
APPLICATION: for accurate rip and finishing crosscuts.
MACHINES: portable benchtop and table saws.
MATERIAL: soft/hardwood and plywood and OSB panels.



K03210



K06010

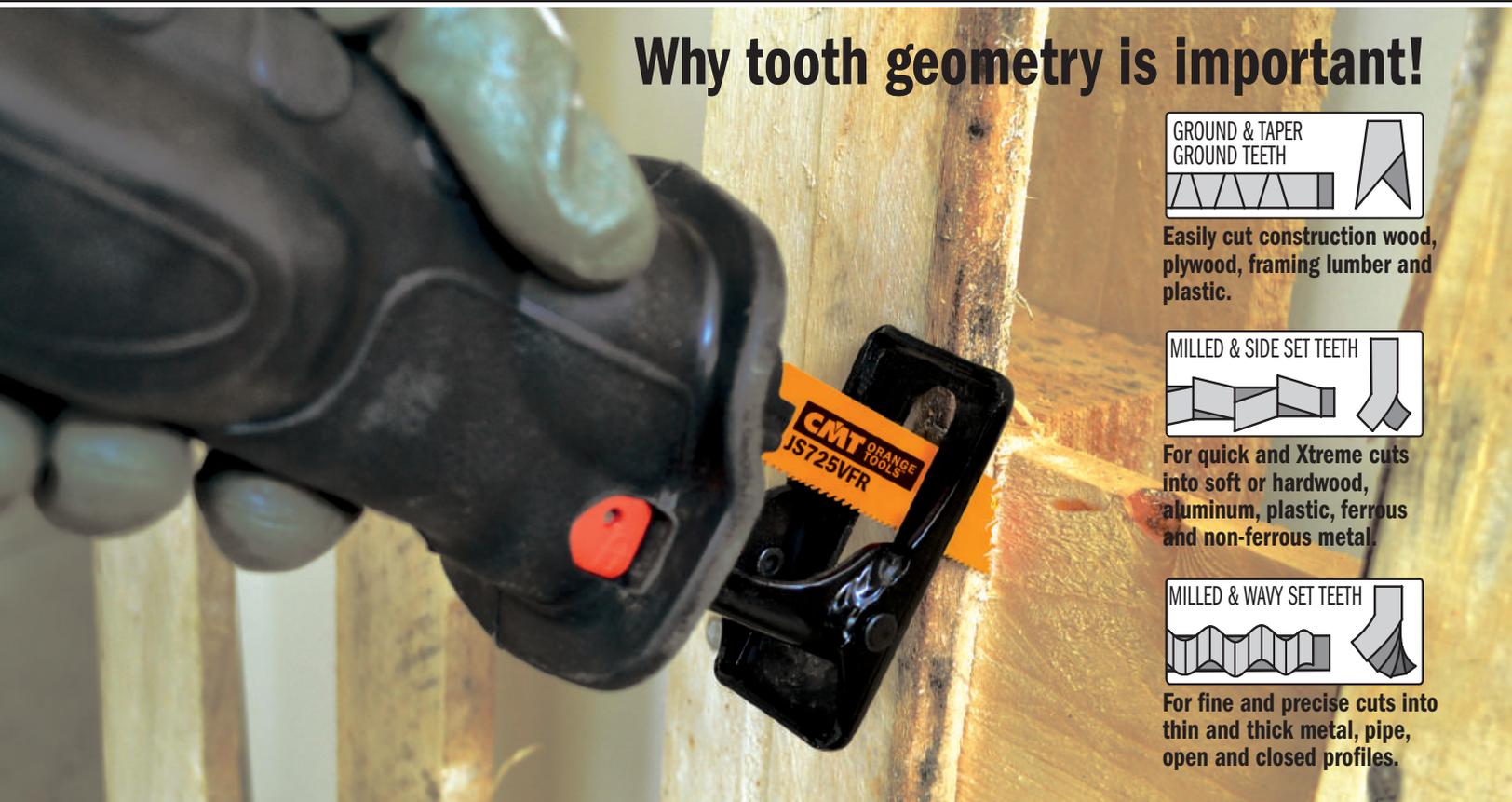


8 Combo in End-cap display
(minimum order 8 Combo packs)

SET CONTAINS	D	T	B	β	α
	inches	mm	inches		
K03210 (1)	10	32	5/8	10° ATB	20°
K06010 (1)	10	254	60	10° ATB	15°

QUALITY MATERIALS & DESIGN DELIVER MAXIMUM PERFORMANCE

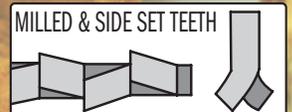
Premium quality raw materials, high-tech machines and state-of-the-art manufacturing processes ensure maximum lifetime and performance from CMT's new line of reciprocating saw blades.



Why tooth geometry is important!



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



For quick and Xtreme cuts into soft or hardwood, aluminum, plastic, ferrous and non-ferrous metal.



For fine and precise cuts into thin and thick metal, pipe, open and closed profiles.

HCS **HIGH CARBON STEEL**
Great for cutting wood 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, plastic and wood with nails.

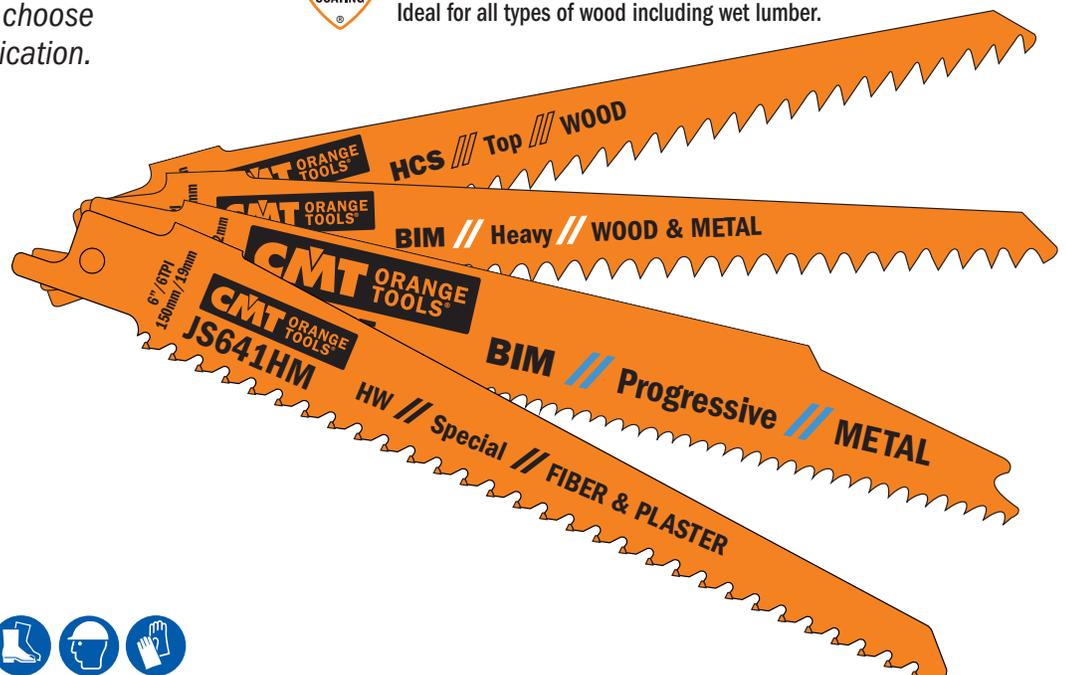
CARBIDE TIPPED **TUNGSTEN CARBIDE TIPPED**
Best for fiber cement board, brick and porous concrete.

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



Reciprocating Saw Blades Application Chart



SERIES	MATERIAL	MATERIAL THICKNESS inches	LINE	L	FINE STRAIGHT 	COARSE STRAIGHT 	CURVE 	FINE ANGLE CUT Accurate Angle Cut	FLUSH CUT 	THIN & THICK 	DEMOLITION 	TPI	PAGE	
WOOD	Coarse Wood (free of nails)	<4"	Basic	6"		JS617K	JS617K					3	60	
	Pruning Green Wood	<7"	Basic	9"		JS1111K						3	60	
	Coolant: dry	<7-1/2"	Top	9-1/2"		JS1531L						5	60	
	MAX RPM 2500	<10"	Basic	12"		JS1617K						3	60	
	Construction Wood	<4"	Top	6"	JS644D		JS644D						6	60
	Coolant: dry	<6"	Progressive	8"	JS2345X					JS2345X			6-10	60
	MAX RPM 2500	<6"	Pallet	8"	JS725VFR			JS725VFR		JS725VFR	JS725VFR		8-12	61
	Boards	<2-3/8"	Top	6"	JS644D		JS644D						6	60
	Coolant: dry	<2-3/8"	Progressive	8"	JS2345X					JS2345X			6-10	60
	MAX RPM 2500	<2-3/8"	Pallet	8"	JS725VFR			JS725VFR		JS725VFR			8-12	61
	Wooden Wall Cutout	<4"	Top	6"	JS644D		JS644D						6	60
	Coolant: dry	<6"	Progressive	8"	JS2345X					JS2345X			6-10	60
MAX RPM 2500	<6"	Pallet	8"	JS725VFR			JS725VFR		JS725VFR	JS725VFR		8-12	61	
	<7-1/2"	Top	9-1/2"		JS1531L							5	60	
Plastic	<4"	Top	6"	JS644D		JS644D						6	60	
Coolant: water MAX RPM 500	<6"	Progressive	8"	JS2345X					JS2345X			6-10	60	
WOOD & METAL	Wood with Nails/Metal	<4"	Flexible	6"	JS922HF								10	61
	Coolant: dry	<4"	Flexible	6"	JS922VF								10-14	61
	MAX RPM 2500	<4"	Heavy	6"	JS641HM	JS611DF	JS711DF						6	62
		<4"	Heavy	6"		JS610VF		JS610VF			JS610VF		5-8	63
		<6"	Progressive	8"		JS678XF				JS678XF			6-12	61
		<6"	Pallet	8"	JS725VFR			JS725VFR		JS725VFR	JS725VFR		8-12	61
		<7"	Flexible	9"	JS1122HF				JS1122HF				10	61
		<7"	Flexible	9"	JS1122VF				JS1122HF				10-14	61-62
		<7"	Heavy	9"		JS1111DF							6	62
		<7"	Heavy	9"		JS1110VF		JS1110VF			JS1110VF		5-8	63
		<10"	Flexible	12"	JS1222VF				JS1222VF				10-14	62
		<10"	Heavy	12"		JS1210VF		JS1210VF			JS1210VF		5-8	63
		<10"	Heavy	12"		JS1411DF							6	62
	Pallets	<4"	Flexible	6"	JS922HF	JS641HM							10	61, 66
	Coolant: dry	<6"	Pallet	8"	JS725VFR			JS725VFR		JS725VFR	JS725VFR		8-12	61
	MAX RPM 2500	<7"	Flexible	9"	JS1122HF				JS1122HF				10	61
	Wood, Chipboard	<4"	Heavy	6"		JS611DF	JS711DF						6	62
	Coolant: dry	<4"	Heavy	6"		JS610VF		JS610VF			JS610VF		5-8	63
	MAX RPM 2500	<6"	Progressive	8"		JS678XF				JS678XF			6-12	61
		<6"	Pallet	8"	JS725VFR			JS725VFR		JS725VFR	JS725VFR		8-12	61
		<7"	Heavy	9"		JS1111DF							6	62
		<7"	Heavy	9"		JS1110VF		JS1110VF			JS1110VF		5-8	63
		<10"	Heavy	12"		JS1210VF		JS1210VF			JS1210VF		5-8	63
		<10"	Heavy	12"		JS1411DF							6	62
	Sheet Metals	1/8" - 3/8"	Flexible	6"	JS922VF								10-14	61
	Coolant: cutting oil	1/8" - 3/8"	Flexible	9"	JS1122VF				JS1122HF				10-14	61-62
	MAX RPM 500-2000	1/8" - 3/8"	Flexible	12"	JS1222VF				JS1122HF				10-14	61-62
		1/8" - 3/4"	Progressive	8"		JS678XF				JS678XF			6-12	61
	Pipes, Profiles	<4"	Flexible	6"	JS922VF								10-14	61
	Coolant: cutting oil	<6"	Progressive	8"		JS678XF				JS678XF			6-12	61
	MAX RPM 1500	<7"	Flexible	9"	JS1122VF				JS1122HF				10-14	61-62
		<10"	Flexible	12"	JS1222VF				JS1222VF				10-14	62
	Plastic, Pipes, Profiles	<4"	Heavy	6"		JS611DF	JS711DF						6	62
	Coolant: water	<6"	Progressive	8"		JS678XF				JS678XF			6-12	61
	MAX RPM 500	<7"	Heavy	9"		JS1111DF							6	62
		<10"	Heavy	12"		JS1411DF							6	62
Glass Fiber Reinforced	<2"	Heavy	6"		JS611DF	JS711DF						6	62	
Plastic/Epoxy	<2-3/8"	Heavy	12"		JS1411DF							6	62	
Coolant: water	<2-3/8"	Heavy	6"		JS610VF		JS610VF			JS610VF		5-8	63	
MAX RPM 500	<2-3/8"	Heavy	9"		JS1111DF							6	62	
	<2-3/8"	Heavy	9"		JS1110VF		JS1110VF			JS1110VF		5-8	63	
	<4"	Flexible	6"	JS922VF	JS641HM							10-14	61, 66	
	<6"	Progressive	8"		JS678XF				JS678XF			6-12	61	
	<7"	Flexible	9"	JS1122VF				JS1122HF				10-14	61-62	
	<10"	Flexible	12"	JS1222VF				JS1222VF				10-14	62	
	<10"	Heavy	12"		JS1210VF		JS1210VF			JS1210VF		5-8	63	

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

Reciprocating Saw Blades Application Chart

SERIES	MATERIAL	MATERIAL THICKNESS	LINE	L	FINE STRAIGHT	COARSE STRAIGHT	CURVE	FINE ANGLE CUT	FLUSH CUT	THIN & THICK	DEMOLITION	TPI	PAGE	
		inches			Fine Straight	Coarse Straight	Curve	Accurate Angle Cut	Flush Cut	THIN & THICK	DEMOLITION			
METAL	Sheet, Perforated Metals, (thin & thick) Coolant: cutting oil MAX RPM 500-2000	1/32" - 1/8"	Flexible	6"	JS922AF							24	63	
		1/32" - 1/8"	Flexible	9"	JS1122AF					JS1122AF			24	63
		3/64" - 5/16"	Progressive	6"	JS123XF						JS123XF		8-14	64
		1/16" - 5/32"	Flexible	6"	JS922EF								18	64
		1/16" - 5/32"	Flexible	9"	JS1122EF					JS1122EF			18	64
		5/64" - 3/8"	Heavy	6"	JS925VF							JS925VF	10-14	65
		5/64" - 3/8"	Heavy	8"	JS1025VF							JS1025VF	10-14	65
		5/64" - 3/8"	Heavy	9"	JS1125VF							JS1125VF	10-14	65
		5/64" - 3/8"	Heavy	12"	JS1225VF							JS1225VF	10-14	65
		1/8" - 5/16"	Flexible	6"	JS922BF								14	64
	1/8" - 5/16"	Flexible	9"	JS1122BF					JS1122BF			14	64	
	5/32" - 1/2"	Heavy	6"		JS920CF			JS920CF			JS920CF	9	65	
	5/32" - 1/2"	Heavy	9"		JS1120CF			JS1120CF			JS1120CF	9	66	
	Pipes, Profiles, Thin-Walled (open & closed) Coolant: cutting oil MAX RPM 500-2000	<4"	Flexible	6"	JS922AF								24	63
		<4"	Flexible	6"	JS922EF								18	64
		<4"	Progressive	6"	JS123XF						JS123XF		8-14	64
		<4"	Heavy	6"	JS925VF							JS925VF	10-14	65
		<6"	Heavy	8"	JS1025VF							JS1025VF	10-14	65
		<7"	Flexible	9"	JS1122AF					JS1122AF			24	63
		<7"	Flexible	9"	JS1122EF					JS1122EF			18	64
		<7"	Heavy	9"	JS1125VF							JS1125VF	10-14	65
		<10"	Heavy	12"	JS1225VF							JS1225VF	10-14	65
		Pipes, Profiles, Thick-Walled (open & closed) Coolant: cutting oil MAX RPM 500-2000	<4"	Flexible	6"	JS922BF								14
	<4"		Progressive	6"	JS123XF						JS123XF		8-14	64
	<4"		Heavy	6"	JS925VF							JS925VF	10-14	65
	<4"		Heavy	6"		JS920CF			JS920CF			JS920CF	9	65
	<6"		Heavy	8"	JS1025VF							JS1025VF	10-14	65
	<7"		Flexible	9"	JS1122BF					JS1122BF			14	64
	<7"		Heavy	9"	JS1125VF							JS1125VF	10-14	65
	<7"		Heavy	9"		JS1120CF			JS1120VF			JS1120CF	9	66
<10"	Heavy		12"	JS1225VF							JS1225VF	10-14	65	
Pipes, Profiles (solid) Coolant: cutting oil MAX RPM 500-2000	<4"		Progressive	6"	JS123XF						JS123XF		8-14	64
	<4"	Flexible	6"	JS922BF								14	64	
	<4"	Heavy	6"		JS920CF			JS920CF			JS920CF	9	65	
	<7"	Flexible	9"	JS1122BF						JS1122BF		14	64	
	<7"	Heavy	9"		JS1120CF			JS1120CF			JS1120CF	9	66	
SPECIAL	Plasterboard	<4"	Heavy	6"	JS641HM	JS611DF	JS711DF					6	62, 66	
	Fibre Cement Panels	<8-1/2"	Special	12"		JS1243HM		JS1243HM				2	66	
		<14"	Special	18"		JS2243HM		JS2243HM				2	66	
	Porous Concrete, Red Brick	<8-1/2"	Special	12"		JS1243HM		JS1243HM				2	66	
<14"		Special	18"		JS2243HM		JS2243HM				2	66		

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

BLADE LINE DESCRIPTION

Different lines help you choose the ideal blade!

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

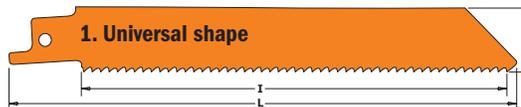
1/2" UNIVERSAL SHANK

Fits: AEG, B&D, Bosch, DeWalt, Fein, Flex, Hilti, Makita, Metabo, Milwaukee, Porter Cable, Ridgid, Rothenberger, Ryobi, Skil.

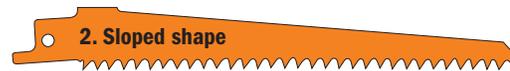


BLADE SHAPE & THICKNESS

Reciprocating saw blades can be manufactured in many various shapes and thickness. Shape and thickness are adjusted to fit the application and required flexibility. Demanding applications such as cutting tube/pipe require thick blades, while less demanding applications require a narrower blade. Blade shapes are divided into three categories below:



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.

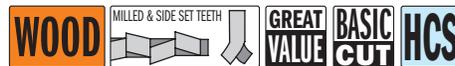


Scroll blades specifically used for curve cutting. The narrower the blade, the smaller the radius it can cut.

Reciprocating Saw Blades



JS617K

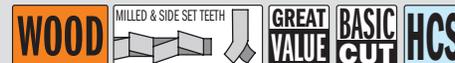


ORDER NO.	SKIN PACK Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS617K-5	5	6	5	3/4	0.049	3	10



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

JS1111K



ORDER NO.	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 (<7"), firewood (diameter <7").

JS1617K



ORDER NO.	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

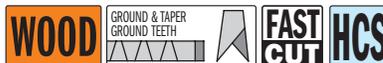


ORDER NO.	SKIN PACK Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS644D-5	5	6	5	3/4	0.049	6	10



Cuts construction wood (<4"), wooden walls (<4"), chipboard, MDF (1/4" ~ 2-3/8"), plywood, plastic (<4"). Excellent for plunge cuts.

JS1531L



ORDER NO.	SKIN PACK Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS1531L-5	5	9-1/2	8-1/2	3/4	0.059	5	10

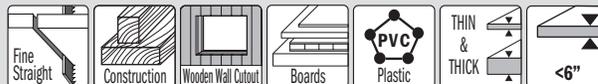


Coarse wood, free of nails (<7-1/2"), pruning green wood (diameter <7-1/2"), firewood (diameter <7-1/2").

JS2345X



ORDER NO.	SKIN PACK Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS2345X-5	5	8	7	3/4	0.049	6-10	10



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

Reciprocating Saw Blades



JS922HF



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



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

JS1122HF



ORDER NO.	SKIN PACK	L	I	H	K	TPI	
Universal shank	Quantity	inches	inches	inches	inches	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/metal (<7"), sheet metal, pipe, aluminum profiles (1/8" ~ 1/2"). Flexible flush cut.

JS5678XF



ORDER NO.	SKIN PACK	L	I	H	K	TPI	
Universal shank	Quantity	inches	inches	inches	inches	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



Cuts wood with nails/metal, chipboard (<6"), sheet metal, aluminum profiles (1/8" ~ 3/4"), glass fiber rein forced plastic/epoxy (<6").

JS725VFR



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



Special saw blade for pallet repairs. Cutting depth 6". Optimized saw blade dimensions for low vibration.

JS922VF



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



Cuts wood with nails/metal (<4"), sheet metal, pipe, aluminum profiles (1/8" ~ 3/8"), glass fiber reinforced plastic/epoxy (<4").

Reciprocating Saw Blades



JS1122VF



WOOD&METAL



EASY CUT

LONG LIFE

BIM 8% Co

ORDER NO.	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/metal (<7"), sheet metal, aluminum profiles (1/8" ~ 3/8"), glass fiber reinforced plastic/epoxy (<7"). Flexible flush cut.

JS1222VF



WOOD&METAL



EASY CUT

LONG LIFE

BIM 8% Co

ORDER NO.	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/metal (<10"), sheet metal, aluminum profiles (1/8" ~ 3/8"), glass fiber reinforced plastic/epoxy (<10"). Flexible flush cut.

JS611DF



WOOD&METAL

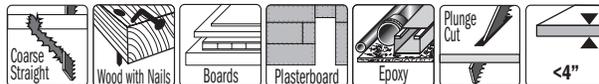


EASY CUT

LONG LIFE

BIM 8% Co

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



Cuts wood with nails/metal, chipboard (<4"), plastic profiles (<4"), glass fiber reinforced plastic/epoxy (<2"), window frames in wood + metal, plasterboard. Excellent for plunge cuts.

JS711DF



WOOD&METAL



EASY CUT

LONG LIFE

BIM 8% Co

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



Cuts wood with nails/metal, chipboard (<4"), glass fiber reinforced plastic/epoxy (<2"), plasterboard. Excellent for curved cuts.

JS1111DF



WOOD&METAL



EASY CUT

LONG LIFE

BIM 8% Co

ORDER NO.	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



Cuts wood with nails/metal, chipboard (<7"), plastic profiles (diameter <7"), glass fiber reinforced plastic/epoxy (<2").

JS1411DF



WOOD&METAL



EASY CUT

LONG LIFE

BIM 8% Co

ORDER NO.	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

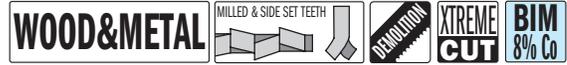


Cuts wood with nails/metal, chipboard (<10"), glass fiber reinforced plastic/epoxy (<2-3/8").

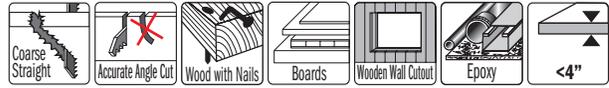
Reciprocating Saw Blades



JS610VF

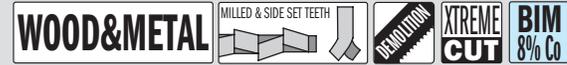


ORDER NO.	SKIN PACK Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS610VF-5	5	6	5	7/8	0.063	5-8	10

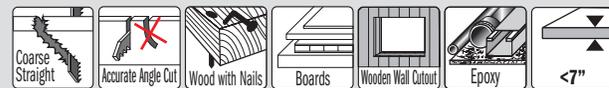


Cuts wood with nails/metal, wood, chipboard (<4"), glass fiber reinforced plastic/epoxy and solid (<4"), wall cut-outs: wood+metal (<4"). Excellent for rescue/demolition work.

JS1110VF



ORDER NO.	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

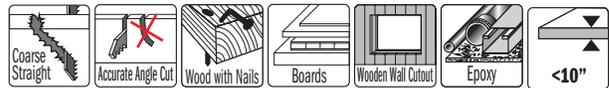


Cuts wood with nails/metal, wood, chipboard (<7"), glass fiber reinforced plastic/epoxy, and solid (<7"), wall cut-outs: wood+metal (<7"). Excellent for rescue/demolition work.

JS1210VF



ORDER NO.	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/metal, wood, chipboard (<10"), glass fiber reinforced plastic/epoxy, and solid (<10"), wall cut-outs: wood+metal (<10"). Excellent for rescue/demolition work.

JS922AF



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

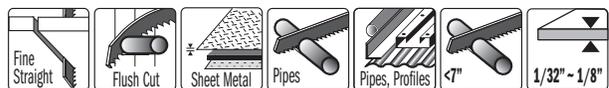


Cuts thin sheet metal (1/32" ~ 1/8"), fine pipe and profiles (diameter <4"). Effortless fine cuts.

JS1122AF



ORDER NO.	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 <7"). Effortless fine cuts and flexible flush cuts.

Reciprocating Saw Blades



JS922EF



ORDER NO.	SKIN PACK Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS922EF-5	5	6	5	3/4	0.035	18	10
JS922EF-20	20	6	5	3/4	0.035	18	5



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

JS1122EF

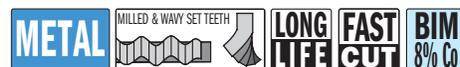


ORDER NO.	SKIN PACK Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS1122EF-5	5	9	8	3/4	0.035	18	10
JS1122EF-20	20	9	8	3/4	0.035	18	5



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

JS922BF



ORDER NO.	SKIN PACK Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS922BF-5	5	6	5	3/4	0.035	14	10
JS922BF-20	20	6	5	3/4	0.035	14	5



Cuts thick sheet metal (1/8" ~ 5/16"), solid pipe and profiles (diameter <4"). Quick cutting.

JS1122BF

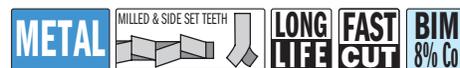


ORDER NO.	SKIN PACK Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS1122BF-5	5	9	8	3/4	0.035	14	10
JS1122BF-20	20	9	8	3/4	0.035	14	5

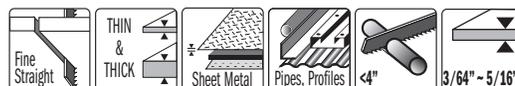


Cuts thick sheet metal (1/8" ~ 5/16"), solid pipe and profiles (diameter <7"). Flexible flush cuts and quick cutting.

JS123XF



ORDER NO.	SKIN PACK Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS123XF-5	5	6	5	3/4	0.035	8-14	10



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

Reciprocating Saw Blades



JS925VF

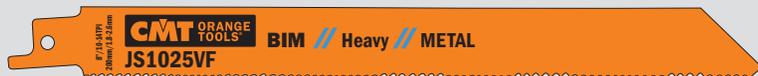


ORDER NO.	SKIN PACK	L	I	H	K	TPI	
Universal shank	Quantity	inches	inches	inches	inches	Teeth Per Inch	
JS925VF-5	5	6	5	3/4	0.049	10-14	10



Cuts medium-thick to thick sheet metal (5/64" ~ 3/8"), thin-walled and thick-walled pipe and profiles (<4"). Ideal for demolition work in metal. Effortless, fine cutting.

JS1025VF



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



Cuts medium-thick to thick sheet metal (5/64" ~ 3/8"), thin-walled and thick-walled pipe and profiles (<6"). Ideal for demolition work in metal. Effortless, fine cutting.

JS1125VF



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



Cuts medium-thick to thick sheet metal (5/64" ~ 3/8"), thin-walled and thick-walled pipe and profiles (<7"). Ideal for demolition work in metal. Effortless, fine cutting.

JS1225VF



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

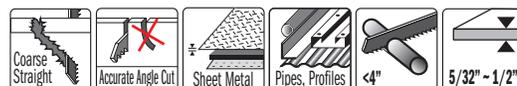


Cuts medium-thick to thick sheet metal (5/64" ~ 3/8"), thin-walled and thick-walled pipe and profiles (<10"). Ideal for demolition work in metal. Effortless, fine cutting.

JS920CF



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



Cuts thick sheet metal (5/32" ~ 1/2"), thick-walled pipe, solid pipe and profiles (<4"). Ideal for pipe cutting, for rescue/demolition work. Powerful, coarse cutting.

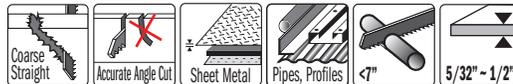
Reciprocating Saw Blades



JS1120CF



ORDER NO.	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



Cuts thick sheet metal (5/32" ~ 1/2"), thick-walled pipe, solid pipe and profiles (<7"). Ideal for pipe cutting, for rescue/demolition work. Powerful, coarse cutting.

JS641HM

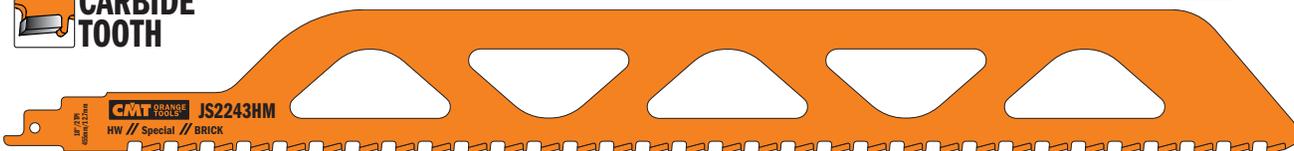


ORDER NO.	SKIN PACK Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS641HM-2	2	5-59/64	5-9/64	3/4	0.049	6	25



Cuts porous concrete, red brick, fibre cement, plasterboard, glass fiber reinforced plastic/epoxy (<3-15/16"), wood & nails, MDF.

JS2243HM

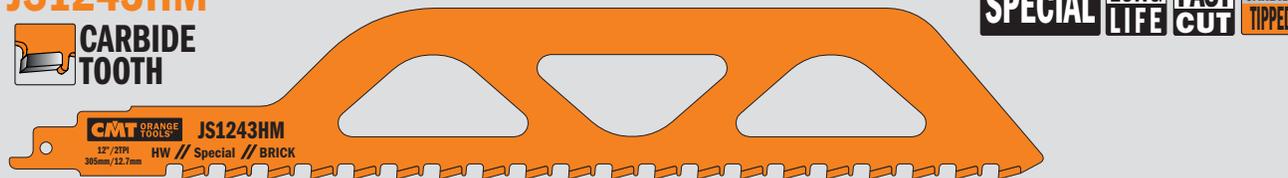


ORDER NO.	SKIN PACK Quantity	L inches	I inches	H inches	K inches	TPI Teeth Per Inch	
JS2243HM	1	18	16	2	0.059	2	25



Cuts large brick up to 14" in thickness.

JS1243HM



ORDER NO.	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.

JS032 32 piece Reciprocating Saw Blades Set



7 PCS	KS644D	WOOD	TPI 6 4.3mm	Curve	Nail-Free Coarse Wood	Wooden Wall Cutout	Boards	<100mm <4"	FINE CUT
5 PCS	KS944D	WOOD	TPI 6 4.3mm	Curve	Nail-Free Coarse Wood	Wooden Wall Cutout	Boards	<175mm <7/8"	FINE CUT
5 PCS	KS611DF	WOOD & NAILS	TPI 6 4.3mm	Wood with Nails	Boards	Plasterboard	Epoxy	<100mm <4"	LONG LIFE
5 PCS	KS925VF	METAL	TPI 10 2.5mm	Fine Straight	Sheet Metal	Pipes, Profiles	<100mm <2.10mm <3/8"-25/64"	LONG LIFE	
5 PCS	KS922BF	METAL	TPI 14 1.8mm	Fine Straight	Sheet Metal	Pipes, Profiles	<100mm <3/8"-5/16"	LONG LIFE FAST CUT	
5 PCS	KS922EF	METAL	TPI 18 1.4mm	Fine Straight	Sheet Metal	Pipes, Profiles	<100mm <1.5-4mm <1/16"-5/32"	LONG LIFE	

CMT has chosen the 6 most popular Reciprocating Saw Blades for our 32-piece set

This set includes reciprocating saw blades for:

- Construction wood, wooden walls, boards like chipboard and MDF, plywood and timber products.
- Wood with nails/metal, plastic profiles, glass fiber reinforced plastic/epoxy, window frames.
- Plasterboard, fiber cement, fiberglass, epoxy resins and fiber cement.
- Metal and sheet-metal, both thick and thin.
- Aluminium and plastics.

This set satisfies a great variety of applications!!

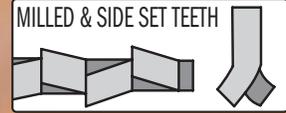


10 Sets in End-cap display
(minimum order 10 sets)

QUALITY MATERIALS FOR OUTSTANDING PERFORMANCE

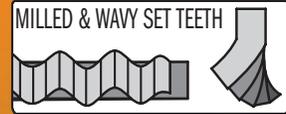
State-of-the-art processes and high-tech machinery are behind all of our jig saw blades. Composed of three different materials, they're specifically designed to make precise cuts on soft & hardwood, plywood, OSB, laminates, plastics, HPL, multiplex panels, metals, ferrous and non-ferrous materials, aluminum,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



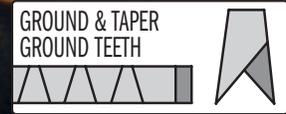
MILLED & WAVY SET TEETH

Suitable for fine straight cuts into plywood, soft steel, aluminium, non-ferrous metals and plastic.



GROUND & SIDE SET TEETH

Best for quick cuts in wood.



GROUND & TAPER GROUND TEETH

This geometric attribute creates fine, clean and precise cuts in wood and plastic.

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

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

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

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

THE RIGHT BLADE FOR THE BEST RESULTS!

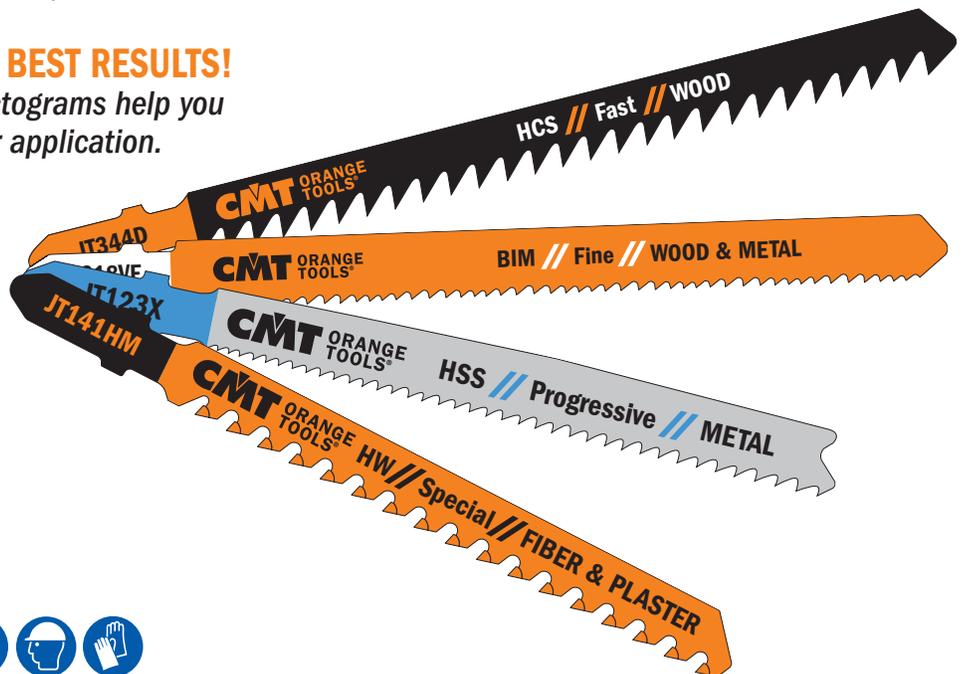
Quick reference charts and pictograms help you choose the right blade for your application.

/// Wood

/// Wood & Metal

/// Metal

/// Special



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			JT101A0		72	
		5/64" - 19/32"	Basic			JT119B0		71	
		1/8" - 2-9/16"	Fine, Splinter-Free	JT234X					72
		1/8" - 1-1/4"	Fine	JT101B					72
		1/8" - 1-1/4"	Fine, Splinter-Free	JT101BR					72
		5/32" - 2-3/8"	Basic			JT111C			71
		7/32" - 2-3/8"	Fast			JT144D		JT244D - JT244DDC	71
		13/64" - 4"	Fast			JT344D			72
		1/4" - 2-3/8"	Fine		JT101D				73
	3/16" - 2-9/16"	Fine		JT301CD - JT318VF				73	
	Hardwood	1/16" - 3/4"	Fine				JT101A0		72
		1/8" - 1-1/4"	Fine		JT101B				72
		1/8" - 1-1/4"	Fine, Splinter-Free	JT101BR					72
		1/8" - 2-9/16"	Fine, Splinter-Free	JT234X					73
		7/32" - 2-3/8"	Fast			JT144D		JT244D - JT244DDC	71
		13/64" - 4"	Fast			JT344D			72
		1/4" - 2-3/8"	Fine		JT101D				73
		3/16" - 2-9/16"	Fine		JT301CD - JT318VF				73
		OSB	5/64" - 19/32"	Basic				JT119B0	
	1/8" - 1-1/4"		Fine		JT101B				72
	5/32" - 2-3/8"		Basic			JT111C			71
	7/32" - 2-3/8"		Fast			JT144D		JT244D - JT244DDC	71
	1/4" - 2-3/8"		Fine		JT101D - JT318VF				73
	Plywood	1/16" - 3/4"	Fine				JT101A0		72
		5/64" - 19/32"	Basic				JT119B0		71
		1/8" - 1-1/4"	Fine		JT101B				72
		1/8" - 1-1/4"	Fine, Splinter-Free	JT101BR					72
		1/8" - 2-9/16"	Fine, Splinter-Free	JT234X - JT318VF					73
		5/32" - 2-3/8"	Basic			JT111C			71
		7/32" - 2-3/8"	Fast			JT144D		JT244D - JT244DDC	71-72
		13/64" - 4"	Fast			JT344D			72
		1/4" - 2-3/8"	Fine		JT101D				73
	Construction Wood	<1-1/4"	Fine		JT101B				72
		1/8" - 2-9/16"	Fine, Splinter-Free		JT234X				73
		<4"	Fast			JT344D			72
		<5-3/8"	Fast			JT744D			72
	Chipboard	5/64" - 19/32"	Basic				JT119B0		71
		1/8" - 1-1/4"	Fine		JT101B				72
		1/8" - 2-9/16"	Fine, Splinter-Free		JT234X - JT318VF				73
		5/32" - 2-3/8"	Basic			JT111C			71
		7/32" - 2-3/8"	Fast			JT144D		JT244D - JT244DDC	71-72
	Laminated Panels Kitchen Tops Worktops	1/16" - 3/4"	Fine				JT101A0		72
1/16" - 3/4"		Fine, Long Life		JT101BIF				73	
1/8" - 1-1/4"		Fine		JT101B				72	
1/8" - 1-1/4"		Fine, Splinter-Free		JT101BR				72	
1/8" - 2-9/16"	Fine, Splinter-Free		JT234X				73		
METAL	Sheet Metals	3/64" - 1/8"	Basic		JT118A		JT218A	73-74	
		1/16" - 3/8"	Fast, Long life		JT123X - JT318VF			73-74	
		1/8" - 1/4"	Basic		JT118B			74	
	Aluminum, Non-ferrous	<1-1/4"	Fast		JT127D				74
		1/16" - 3/8"	Fast		JT123X - JT318VF				73-74
	Pipes	<1-1/4"	Fast		JT123X - JT318VF				73-74
	Inox Sheets	1/16" - 1/8"	Fast		JT123X - JT318VF				73-74
Sandwich material	<4-3/4"	Fast, Flexible		JT718BF				74	
PLASTIC	GRP (Fiberglass)	<1-1/4"	Fast		JT127D				74
	Plastic (PP, PE, PVC, PA, PS)	<1-1/4"	Fine		JT101D				73
		<1-1/4"	Fast		JT123X				74
		3/16" - 2-9/16"	Fine		JT301CD				73
SPECIAL	Plasterboard	5 ~ 50	Special			JT141HM			74
		5 ~ 80	Special			JT341HM			75
	GRP (Fiberglass)	<80	Special			JT341HM			75
	Fiber Cement Boards	5 ~ 50	Special			JT141HM			
5 ~ 80		Special			JT341HM				75



5-PIECE MASTERPACK

CARTON DISPLAY



QUALITY MATERIALS FOR OUTSTANDING PERFORMANCE

State-of-the-art processes and high tech machinery mean these jig saws are made to perform!

Composed of three different materials:
HCS (High Carbon Steel),
BIM (Bimetal)
HSS (High Speed Steel).

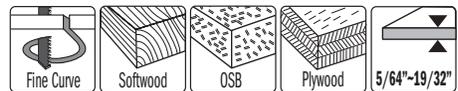
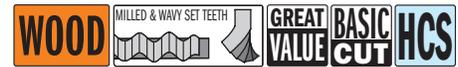
Cuts all materials:
soft & hardwood, OSB,
plywood, chipboard, laminates,
panels, metals, aluminum, plastic.

JT119B0



ORDER NO.	SKIN PACK Quantity	I inches	L inches	TPI Teeth Per Inch	
JT119B0-5	5	2	3	12	100

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

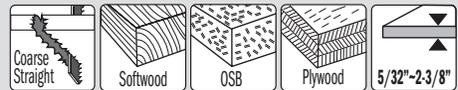


JT111C



ORDER NO.	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.

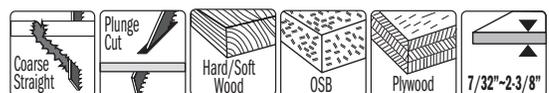


JT144D



ORDER NO.	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/soft woods (7/32" ~ 2-3/8"), plywood, OSB. Plunge cutting.



JT244D



ORDER NO.	SKIN PACK Quantity	I inches	L inches	TPI Teeth Per Inch	
JT244D-5	5	3	4	6	100

Fast, curved, coarse cuts on hard/soft woods (7/32" ~ 2-3/8"), plywood, OSB. Plunge cutting.



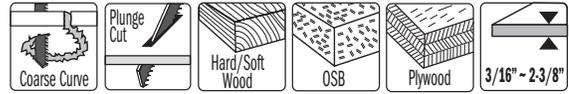
Jig Saw Blades



JT244DDC



ORDER NO.	SKIN PACK Quantity	I inches	L inches	TPI Teeth Per Inch	
JT244DDC-5	5	3	4	6	100

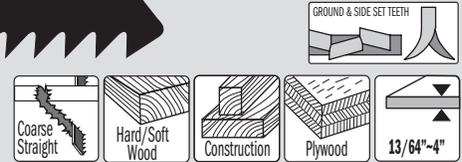


Fast, curve and coarse cut on soft and hardwood from 3/16" - 2-3/8", plywood, OSB. Plunge cut. Special "DUO" (double) cut for fast and curve.

JT344D



ORDER NO.	SKIN PACK Quantity	I inches	L inches	TPI Teeth Per Inch	
JT344D-5	5	4-1/2	5-1/2	6	100

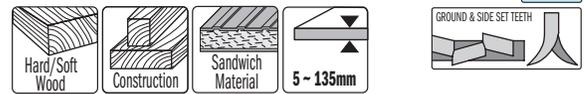


Very fast, straight and coarse cuts on thick construction timber, hard/soft woods (13/64" ~ 4"), plywood, OSB.

JT744D

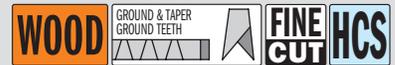


ORDER NO.	SKIN PACK Quantity	I inches	L inches	TPI Teeth Per Inch	
JT744D-3	3	6-7/64	7-3/32	6	20

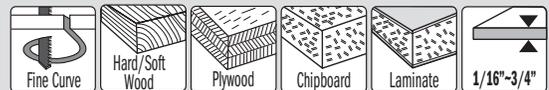


Very fast, straight and coarse cuts on thick construction timber, hard/soft woods (13/64" ~ 5-5/16") and sandwich material.

JT101A0

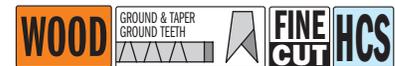


ORDER NO.	SKIN PACK Quantity	I inches	L inches	TPI Teeth Per Inch	
JT101A0-5	5	2	3	20	100

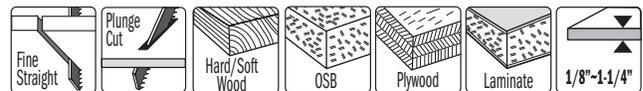


Curved cuts, fine finishing of surfaces (both sides) in soft/hardwoods, plywood, MDF, double-sided laminates (1/16" ~ 3/4").

JT101B

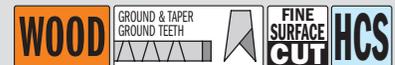


ORDER NO.	SKIN PACK Quantity	I inches	L inches	TPI Teeth Per Inch	
JT101B-5	5	3	4	10	100
JT101B-25	25	3	4	10	10

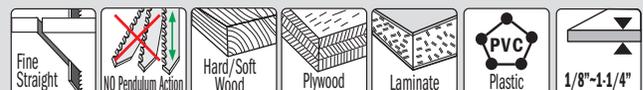


Fine, straight cuts on soft/hardwood, plywood, OSB and plastics (1/8" ~ 1-1/4"). Plunge cutting.

JT101BR



ORDER NO.	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

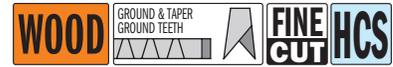


Straight cuts, fine finishing on surfaces in soft/hardwood, plywood, OSB, laminated panels, plastics (1/8" ~ 1-1/4"). Reverse tooth.

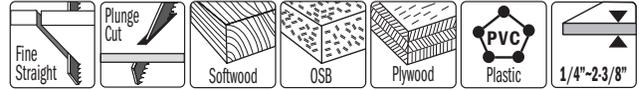
Jig Saw Blades



JT101D

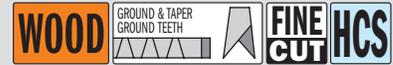


ORDER NO. Universal shank	SKIN PACK Quantity	I inches	L inches	TPI Teeth Per Inch	
JT101D-5	5	3	4	6	100

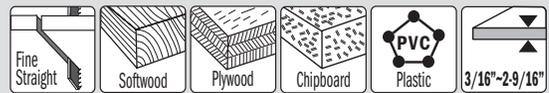


Good straight cuts in soft/hardwood, plywood, OSB, plastics (1/4" ~ 2-3/8"). Plunge cutting.

JT301CD

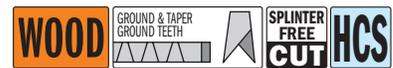


ORDER NO. Universal shank	SKIN PACK Quantity	I inches	L inches	TPI Teeth Per Inch	
JT301CD-5	5	3-1/2	4-1/2	8	100

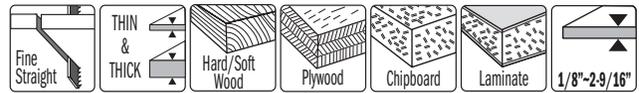


Straight cuts, fine finishing in soft/hardwood, plywood, laminates, plastics (3/16" ~ 2-9/16").

JT234X



ORDER NO. Universal shank	SKIN PACK Quantity	I inches	L inches	TPI Teeth Per Inch	
JT234X-5	5	3-1/2	4-1/2	8-12	100

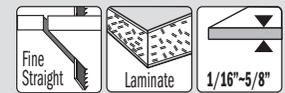


Extra-clean splinter-free straight cuts in soft/hardwood, plywood, OSB, laminates (1/8" ~ 2-9/16").

JT101BIF



ORDER NO. Universal shank	SKIN PACK Quantity	I inches	L inches	TPI Teeth Per Inch	
JT101BIF-5	5	2-5/16	3-1/4	15	100

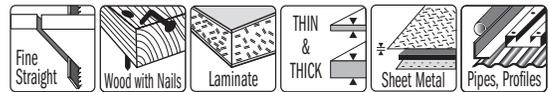


Splinter-free cuts. Special for all laminates, HPL and multiplex panels (1/16" ~ 5/8").

JT318VF



ORDER NO. Universal 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 in wood with nails/metal, chipboard and laminate (<2-3/8"), sheet metal, aluminium profiles (1/8"-23/32"), glass fiber reinforced plastic/epoxy (<2-3/8").

JT118A



ORDER NO. Universal shank	SKIN PACK Quantity	I inches	L inches	TPI Teeth Per Inch	
JT118A-5	5	2	3	21	100



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

Jig Saw Blades

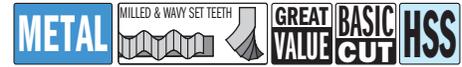


JT218A



ORDER NO.	SKIN PACK	I	L	TPI	
Universal shank	Quantity	inches	inches	Teeth Per Inch	
JT218A-5	5	2	3	21	100

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

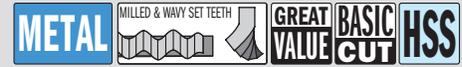


JT118B



ORDER NO.	SKIN PACK	I	L	TPI	
Universal shank	Quantity	inches	inches	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



ORDER NO.	SKIN PACK	I	L	TPI	
Universal shank	Quantity	inches	inches	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 (diameter <1-1/4"), stainless steel (1/16" ~ 1/8").

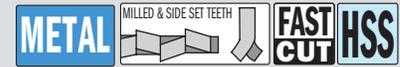


JT127D



ORDER NO.	SKIN PACK	I	L	TPI	
Universal shank	Quantity	inches	inches	Teeth Per Inch	
JT127D-5	5	3	4	8	100

Special for aluminum, thin to thick (1/8" ~ 5/8"), pipes and profiles, (diameter <1-1/4") as well as plastic and fiberglass.(3/16"~3/4"), fiber cement, MDF, HDF.

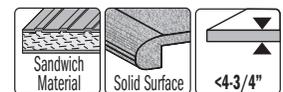


JT718BF



ORDER NO.	SKIN PACK	I	L	TPI	
Universal shank	Quantity	inches	inches	Teeth Per Inch	
JT718BF-3	3	6-3/8	7-1/4	14	20

Special for Sandwich Materials & Solid Surfaces (<4-3/4").

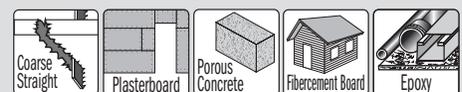


JT141HM



ORDER NO.	SKIN PACK	I	L	TPI	
Universal shank	Quantity	inches	inches	Teeth Per Inch	
JT141HM-3	3	3	4	6	50

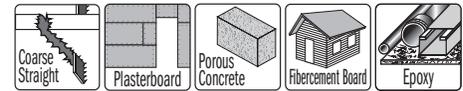
For plasterboard, fiber cement boards (<2"), glass fiber reinforced plastic/epoxy (3/16"~3/4"), fiber cement, MDF, HDF.



JT341HM



ORDER NO. Universal 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"~2"), fiber cement, MDF, HDF.

JT016 16 piece Jig Saw Blade Set

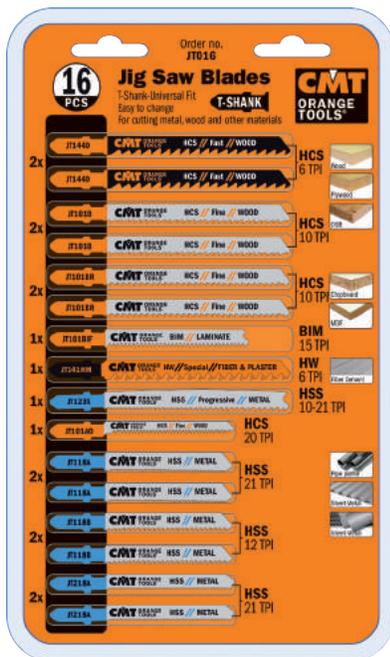
A selection of the 10 most popular Jig Saw Blades in a 16 piece set

Each set includes Jig Saw Blades for:

- wood and timber
- straight, curve and coarse cuts
- finishing cuts
- plasterboard, fiber cement, fiberglass, epoxy resins
- metal and sheet metal, both thick and thin
- stainless steel
- aluminum and plastics

This set satisfies a wide range of applications!

2 PCS	JT144D HCS	WOOD FAST CUT	Hard/Soft Wood, OSB, Plywood	5-6mm 1/8"-3/16"	4mm	TPI 6	Plunge Cut
Very fast cuts, straight and coarse, on hard/softwood (5-60mm), plywood, OSB. Plunge cutting.							
2 PCS	JT101B HCS	WOOD FINE CUT	Hard/Soft Wood, OSB, Plywood, Laminate	3-30mm 1/8"-1 1/2"	2.5mm	TPI 10	Plunge Cut, Fine Straight
Fine straight cuts on hard/softwood, plywood, OSB and plastics (3-30mm). Plunge cutting.							
2 PCS	JT101BR HCS	WOOD FINE SURFACE CUT	Hard/Soft Wood, Plywood, Laminate, PVC, Plastic	3-30mm 1/8"-1 1/2"	2.5mm	TPI 10	Plunge Cut, Fine Straight, Reverse Tooth
Straight cuts, fine finishing on the surface, on hard/softwood, plywood, OSB, laminated panels, plastics (3-30mm). Reverse tooth.							
1 PC	JT101BIF BIM	WOOD FINE CUT LONG LIFE	Laminate	1.5-15mm 1/8"-5/8"	1.7mm	TPI 15	Fine Straight
Splinter-free cut. Special for all laminates, HPL and multiplex panels (1.5-15mm).							
1 PC	JT101AO HCS	WOOD FINE CUT	Hard/Soft Wood, Plywood, Chipboard, Laminate	1.5-15mm 1/8"-5/8"	1.4mm	TPI 20	Fine Curve
Curved cuts, fine finishing on both sides of surface on hard/softwood, plywood, MDF, double sided laminates (1.5-15mm).							
1 PC	JT141HM HW	SPECIAL LONG LIFE	Plasterboard, Porous Concrete, Fibercement Board, Epoxy	<50mm 1 3/16"	4.3mm	TPI 6	Curve Cut
Plasterboard, fibre cement boards (<50mm), Glass fibre reinforced plastic/epoxy (5-20mm), Eternit®, MDF, HDF.							
1 PC	JT123X HSS	METAL FAST CUT	Sheet Metal, Aluminum, PVC, Plastic	1.5-10mm 1/8"-3/8"	1.2mm	TPI 10-21	Fine Straight, Thin & Thick
Straight cuts on thin to thick sheet metals (1.5-10mm), pipes, profiles in plastic and aluminum (diameter <30mm), stainless steel (1.5-3mm).							
2 PCS	JT118A HSS	METAL BASIC CUT	Sheet Metal, Aluminum, Pipes, Profiles	1-3mm 1/16"-1/8"	1.2mm	TPI 21	Fine Straight, GREAT VALUE
Straight cuts on thin sheet metals, ferrous and non-ferrous materials (1-3mm).							
2 PCS	JT118B HSS	METAL BASIC CUT	Sheet Metal, Aluminum, Pipes, Profiles	2-5mm 1/8"-5/16"	2mm	TPI 12	Fine Straight, GREAT VALUE
Straight cuts on medium-thick metals, ferrous and non-ferrous materials (2,5-6mm).							
2 PCS	JT218A HSS	METAL BASIC CUT	Sheet Metal, Aluminum, Pipes, Profiles	1-3mm 1/16"-1/8"	1.2mm	TPI 21	Fine Curve, GREAT VALUE
Curve cuts on thin sheet metals, ferrous and non-ferrous (1-3mm).							



15 Sets in End-cap display (minimum order 15 sets)



ACCESSORIES FOR MULTI-CUTTERS

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MAXIMIZING YOUR WORK PERFORMANCE

HCS

HIGH CARBON STEEL
for cutting wood and plastic.

BIM 8% Co

BI-METAL WITH 8% COBALT
for cutting metal, nail embedded wood and plastic.

BIM TiN

BI-METAL WITH 8% COBALT WITH TITANIUM COATING
for cutting metal, nail embedded wood and plastic, providing extreme performance and 30% 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 with double lifetime.

CARBIDE GRIT

TUNGSTEN CARBIDE GRIT COATED
for routing joints and grooves, smaller cutouts, routing recesses in several materials, from tiles, plasterboard, porous concretes, construction materials, epoxy and glass fibre.

GRIT

DIAMOND GRIT COATED
for routing joints and grooves, smaller cutouts, routing recesses in several materials, from tiles, plasterboard, porous concretes, construction materials, epoxy and glass fibre providing extreme performance and longer lifetime.

SAWING & CUTTING



SCRAPING & CUTTING



ROUTING & GRINDING



MULTI MATERIALS



SANDING, CLEANING & POLISHING



APPLICATIONS

- SANDING
- SAWING
- GROUTING
- PLASTIC CUTTING
- CARPET REMOVAL
- PLUNGE CUTTING
- WOOD CUTTING
- SAWING LAMINATE & HARDWOOD FLOORING
- TUBE TRIMMING & CUTTING
- NAIL CUTTING

THE RIGHT BLADE FOR THE BEST RESULTS!

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

WOOD

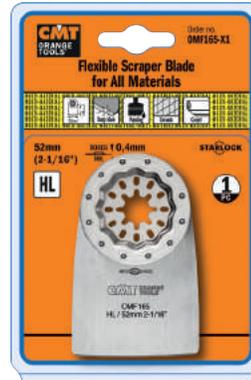
WOOD&NAILS

WOOD&METAL

METAL

MULTI-MAT

MASONRY



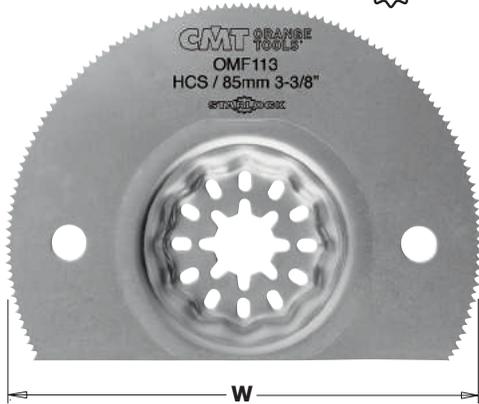
STARLOCK: THE NEW SYSTEM FOR OSCILLATING POWER TOOLS

The **Starlock** system ensures extremely reliable and lightning flash accessory changes: less than 3 seconds! It guarantees a safe and secure fit, which translates to maximum power transfer. The result: up to 35% better performance, faster work progress and noticeably improved precision and accuracy. The benefit of maximum stability means decreased vibration and consequently less wear and tear on yours hands, not to mention a significant reduction in noise. To protect the individual tools from overload and damage, the system is divided into 3 performance classes: **Starlock**, **StarlockPlus** and **StarlockMax**. The potential of an oscillating tool can only be fully exploited with the right accessories. The exceptional quality and guaranteed extended life of CMT accessories combined with their outstanding performance delivers excellent value for money.

COMPATIBILITY CHECK Select the right accessories for your power tool.	STARLOCK	STARLOCK PLUS	STARLOCK MAX
	 SL	 SLP	 SLM
AEG	●		
Bosch	●	●	●
CMT	●		
Craftsman	●	●	
Dewalt	●		
Dremel	●		
Einhell	●		
Fein Multi Talent/Multi Master	●	●	
Fein Supercut Automotive/Construction	●	●	●
Festool Vecturo	●	●	●
Hitachi	●		
Makita	●	●	
Metabo	●		
Milwaukee	●	●	
Ridgid	●		
Rockwell	●	●	
Ryoby	●	●	
Skil	●	●	
Worx	●		

Some brands may require an adapter

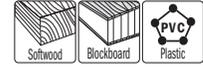
OMF113



3-3/8" Radial Saw Blade for Soft Materials

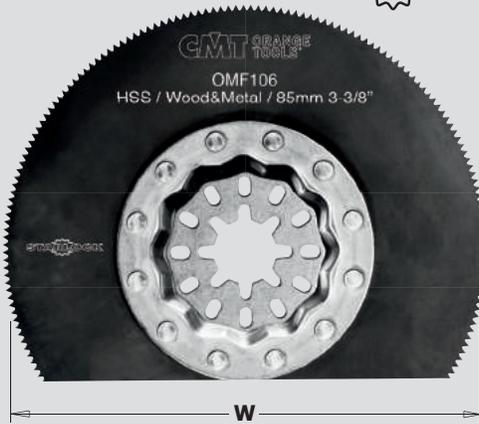


FEATURES: HCS with hardened teeth.
MATERIAL: Soft materials only.
APPLICATION: Segmented, ideal for corners, edges, flush to the surface. Prevents overcutting.



ORDER NO. Starlock	PACK Quantity	W inches	K inches	TS inches	TPI Teeth Per Inch	
OMF113-X1	1 in clamshell	3-3/8	1/32	1/16	17	1
OMF113-X5	5 in clamshell	3-3/8	1/32	1/16	17	1

OMF106



3-3/8" Radial Saw Blade for Wood & Metal



FEATURES: HSS with metal toothing.
MATERIAL: For sheet metal up to 2mm, plastic, GFRP, wood, parquet flooring, glazing compound, brass, bronze and fiberglass.
APPLICATION: clean narrow cutting lines, excellent for corner work, flush to the surface.



ORDER NO. Starlock	PACK Quantity	W inches	K inches	TS inches	TPI Teeth Per Inch	
OMF106-X1	1 in clamshell	3-3/8	1/64	3/64	19	1
OMF106-X5	5 in clamshell	3-3/8	1/64	3/64	19	1

OMF174



3-3/8" Circular Saw Blade for Wood & Metal. Long Life



FEATURES: Reinforced teeth with Bi-metal 8% cobalt for long life.
MATERIAL: For sheet metal up to 2mm, plastics, fiberglass, GFRP, wood, glazing compound, brass, bronze
APPLICATION: Work flush to the surface, circular shape for increased cost-effectiveness.

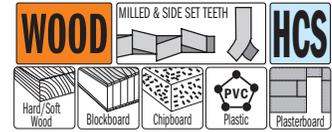


ORDER NO. Starlock	PACK Quantity	W inches	K inches	TS inches	TPI Teeth Per Inch	
OMF174-X1	1 in clamshell	3-3/8	1/32	3/64	20	1
OMF174-X5	5 in clamshell	3-3/8	1/32	3/64	20	1

OMF133 STARLOCK

1-3/8" Plunge and Flush-Cut for Wood

FEATURES: HCS with hardened teeth.
MATERIAL: For all wood products up to 50mm, plasterboard and soft plastics.
APPLICATION: Fast, easy precision cutting at any point in the material. Narrow waist means outstanding cutting speed and quality.

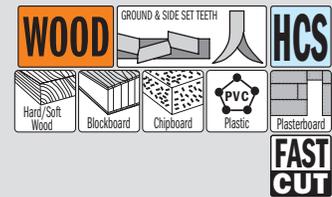


ORDER NO. Starlock	PACK Quantity	W inches	I inches	TS inches	TPI Teeth Per Inch	
OMF133-X1	1 in clamshell	1-3/8	2	1/16	18	1
OMF133-X5	5 in clamshell	1-3/8	2	1/16	18	1
OMF133-X50	50 in masterpack	1-3/8	2	1/16	18	1

OMF126 STARLOCK

1-3/8" Precision Cut, Japanese Tothing for Wood

FEATURES: HCS with hardened teeth featuring double-row pattern "Japanese tothing".
MATERIAL: For all wood products up to 50mm, blockboard, plasterboard and soft plastics.
APPLICATION: Excellent cutting quality and speed and outstanding precision.



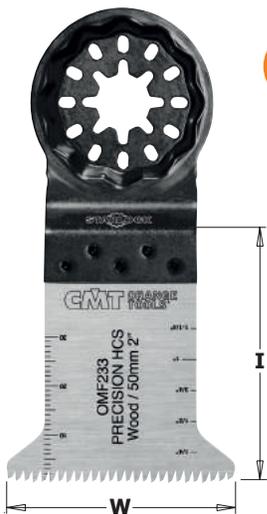
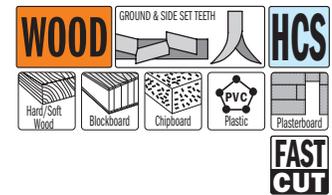
Japanese Tothing

ORDER NO. Starlock	PACK Quantity	W inches	I inches	TS inches	TPI Teeth Per Inch	
OMF126-X1	1 in clamshell	1-3/8	2	1/16	14	1
OMF126-X5	5 in clamshell	1-3/8	2	1/16	14	1
OMF126-X50	50 in masterpack	1-3/8	2	1/16	14	1

OMF233 STARLOCK

1-3/4" Precision Cut, Japanese Tothing for Wood

FEATURES: HCS with hardened teeth featuring double-row pattern "Japanese tothing".
MATERIAL: For wood products up to 50mm, blockboard, plasterboard and soft plastics.
APPLICATION: Excellent cutting quality and speed, outstanding precision. Medium width waist for a wide range of applications.



Japanese Tothing

ORDER NO. Starlock	PACK Quantity	W inches	I inches	TS inches	TPI Teeth Per Inch	
OMF233-X1	1 in clamshell	1-3/4	2	1/16	14	1
OMF233-X5	5 in clamshell	1-3/4	2	1/16	14	1
OMF233-X50	50 in masterpack	1-3/4	2	1/16	14	1

OMF230 STARLOCK

new

2-9/16" Precision Cut, Japanese Tothing for Wood

FEATURES: HCS with hardened teeth featuring hooked cutting geometry.

MATERIAL: For all wood products, blockboard, plasterboard and plastics.

APPLICATION: Wide shape for long, straight, clean cuts and maximum cutting performance with good cutting speed.

WOOD GROUND & SIDE SET TEETH **HCS**

Hard/Soft Wood Blockboard Chipboard PVC Plastic Plasterboard

FAST CUT



ORDER NO. Starlock	PACK Quantity	W inches	I inches	TS inches	TPI Teeth Per Inch	
OMF230-X1	1 in clamshell	2-9/16	2	1-16	14	1
OMF230-X5	5 in clamshell	2-9/16	2	1-16	14	1
OMF230-X50	50 in masterpack	2-9/16	2	1-16	14	1



Japanese Tothing

OMF205 STARLOCK

1-3/8" Precision Cut, Japanese Tothing for Wood.
Long Life

FEATURES: Reinforced teeth with Bi-metal 8% Cobalt featuring double-row "Japanese tothing" for guaranteed long life.

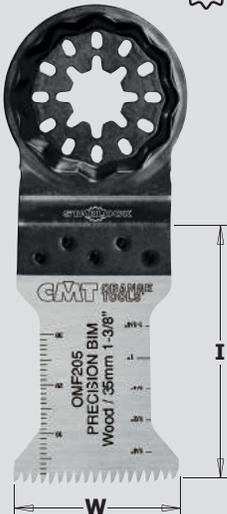
MATERIAL: For all wood materials up to 50mm, blockboard, plasterboard and soft plastics.

APPLICATION: Accelerated work performance with optimal precision and speed. Plunge easily at any point in the material. Outstanding cutting quality.

WOOD GROUND & SIDE SET TEETH **BIM 8% Co**

Hard/Soft Wood Blockboard Chipboard PVC Plastic Plasterboard

LONG LIFE FAST CUT



ORDER NO. Starlock	PACK Quantity	W inches	I inches	TS inches	TPI Teeth Per Inch	
OMF205-X1	1 in clamshell	1-3/8	2	1/16	14	1
OMF205-X5	5 in clamshell	1-3/8	2	1/16	14	1
OMF205-X50	50 in masterpack	1-3/8	2	1/16	14	1



Japanese Tothing
Reduced tooth height to maximize lifetime

OMF232 STARLOCK

new

1-3/4" Precision Cut, Japanese Tothing for Wood.
Long Life

FEATURES: Reinforced teeth with Bi-metal 8% Cobalt featuring double-row "Japanese tothing" for guaranteed long life.

MATERIAL: For all wood products up to 50mm, blockboard, plasterboard and soft plastics.

APPLICATION: Medium width waist for outstanding cutting speed and maximum precision. Plunge easily at any point in the material. Exceptional cutting quality and a wide range of applications

WOOD GROUND & SIDE SET TEETH **BIM 8% Co**

Hard/Soft Wood Blockboard Chipboard PVC Plastic Plasterboard

LONG LIFE FAST CUT



ORDER NO. Starlock	PACK Quantity	W inches	I inches	TS inches	TPI Teeth Per Inch	
OMF232-X1	1 in clamshell	1-3/4	2	1/16	14	1
OMF232-X5	5 in clamshell	1-3/4	2	1/16	14	1
OMF232-X50	50 in masterpack	1-3/4	2	1/16	14	1



Japanese Tothing
Reduced tooth height to maximize lifetime

OMF229 STARLOCK 2-9/16" Precision Cut, Japanese Tothing for Wood. Long Life



new

FEATURES: Reinforced teeth with Bi-metal 8% Cobalt featuring double-row "Japanese tothing" for guaranteed long life.
MATERIAL: For all wood products, blockboard, plasterboard and soft plastics.
APPLICATION: Superb long straight cuts, extra wide shape for maximum cutting and fast progression. Extremely durable and sturdy.

WOOD GROUND & SIDE SET TEETH **BIM 8% Co**

Hard/Soft Wood Blockboard Chipboard PVC Plastic Plasterboard

FAST CUT **LONG LIFE**

ORDER NO. Starlock	Pack Quantity	W inches	I inches	TS inches	TPI Teeth Per Inch	
OMF229-X1	1 in clamshell	2-9/16	2	1/16	14	1
OMF229-X5	5 in clamshell	2-9/16	2	1/16	14	1
OMF229-X50	50 in masterpack	2-9/16	2	1/16	14	1



Japanese Tothing
Reduced tooth height to maximize lifetime

OMF184 STARLOCK 3/8" Plunge and Flush-Cut for Wood & Nails. Long Life



FEATURES: Reinforced teeth with Bi-metal 8% Cobalt for long life.
MATERIAL: For all wood products, blockboard, plasterboard and soft plastics. Cuts through embedded nails in wood up to 5mm in diameter and even masonry, like porous concrete.
APPLICATION: Long, super-narrow shape perfect for the smallest cut-outs and tightest groove work.

WOOD&NAILS MILLED & SIDE SET TEETH **BIM 8% Co**

Hard/Soft Wood Wood with Nails PVC Plastic Plasterboard Epoxy Fiberglass

LONG LIFE

ORDER NO. Starlock	Pack Quantity	W inches	I inches	TS inches	TPI Teeth Per Inch	
OMF184-X1	1 in clamshell	3/8	1-3/16	1/16	18	1
OMF184-X5	5 in clamshell	3/8	1-3/16	1/16	18	1
OMF184-X50	50 in masterpack	3/8	1-3/16	1/16	18	1

OMF183 STARLOCK 13/16" Plunge and Flush-Cut for Wood & Nails. Long Life



FEATURES: Reinforced teeth with Bi-metal 8% Cobalt for long life.
MATERIAL: For all wood products, blockboard, plasterboard and soft plastics. Cuts through embedded nails in wood up to 5mm in diameter and even masonry, like porous concrete.
APPLICATION: Short, medium-width shape ideal for groove work and cut-outs. Clean cuts and superb performance for detail oriented jobs. Extreme durability and sturdy.

WOOD&NAILS MILLED & SIDE SET TEETH **BIM 8% Co**

Hard/Soft Wood Wood with Nails PVC Plastic Plasterboard Epoxy Fiberglass

LONG LIFE

ORDER NO. Starlock	Pack Quantity	W inches	I inches	TS inches	TPI Teeth Per Inch	
OMF183-X1	1 in clamshell	13/16	1-11/32	1/16	18	1
OMF183-X5	5 in clamshell	13/16	1-11/32	1/16	18	1
OMF183-X50	50 in masterpack	13/16	1-11/32	1/16	18	1

OMF160 STARLOCK

1-3/8" Plunge and Flush-Cut for Wood & Nails. Long Life



FEATURES: Reinforced teeth with Bi-metal 8% Cobalt for long life.

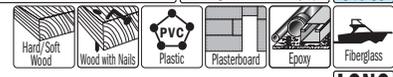
MATERIAL: For all wood products, blockboard, plasterboard, fiberglass, epoxy and soft plastics. Cuts through embedded nails in wood up to 5mm in diameter and even masonry, like porous concrete.

APPLICATION: Medium width waist ensures superb cutting speed and quality. Plunge easily at any point in the material.

WOOD&NAILS

MILLED & SIDE SET TEETH

BIM 8% Co



LONG LIFE



Join us on our **YouTube**

ORDER NO. Starlock	PACK Quantity	W inches	I inches	TS inches	TPI Teeth Per Inch	
OMF160-X1	1 in clamshell	1-3/8	2	1/16	18	1
OMF160-X5	5 in clamshell	1-3/8	2	1/16	18	1
OMF160-X50	50 in masterpack	1-3/8	2	1/16	18	1

OMF221 STARLOCK

2" Plunge and Flush-Cut for Wood & Nails. Long Life



FEATURES: Reinforced teeth with Bi-metal 8% Cobalt for long life.

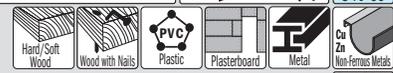
MATERIAL: For all wood products, blockboard, plasterboard, metal, and non-ferrous pipe and profiles such as copper, aluminum and brass as well as soft plastics. Cuts through embedded nails in wood up to 5mm in diameter and even masonry, like porous concrete

APPLICATION: Medium width waist ensures superb cutting speed and quality. Plunge easily at any point in the material.

WOOD&NAILS

MILLED & SIDE SET TEETH

BIM 8% Co



LONG LIFE

ORDER NO. Starlock	PACK Quantity	W inches	I inches	TS inches	TPI Teeth Per Inch	
OMF221-X1	1 in clamshell	2	2	1/16	18	1
OMF221-X5	5 in clamshell	2	2	1/16	18	1
OMF221-X50	50 in masterpack	2	2	1/16	18	1

OMF228 STARLOCK

2-9/16" Plunge and Flush-Cut for Wood & Nails. Long Life



FEATURES: Reinforced teeth with Bi-metal 8% Cobalt for long life

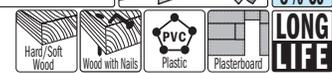
MATERIAL: For all wood products, blockboard, plasterboard and soft plastics. Cuts through embedded nails in wood up to 5mm.

APPLICATION: Superb long straight, clean cuts: Extra wide shape for maximum cutting performance. Extremely durable and sturdy.

WOOD&NAILS

MILLED & SIDE SET TEETH

BIM 8% Co



LONG LIFE

ORDER NO. Starlock	PACK Quantity	W inches	I inches	TS inches	TPI Teeth Per Inch	
OMF228-X1	1 in clamshell	2-9/16	2	1/16	18	1
OMF228-X5	5 in clamshell	2-9/16	2	1/16	18	1
OMF228-X50	50 in masterpack	2-9/16	2	1/16	18	1

OMF222 STARLOCK

1-1/8" Plunge and Flush-Cut for Wood & Metal. Long Life



- FEATURES:** Reinforced teeth with Bi-metal 8% Cobalt for long life featuring milled & wavy universal toothing.
- MATERIAL:** For sheet metal up to 2mm, wood products, plasterboard and soft plastics, non-ferrous pipe and profiles such as copper, aluminum and brass.
- APPLICATION:** Fast, easy precision cutting at any point in the material. Narrow waist means outstanding cutting speed and quality. Plunge easily at any point in the material.

WOOD&METAL MILLED & WAVY SET TEETH **BIM 8% Co**

130% LONGER LIFE **LONG LIFE**

ORDER NO. Starlock	Pack Quantity	W inches	I inches	TS inches	TPI Teeth Per Inch	
OMF222-X1	1 in clamshell	1-1/8	2-11/64	1/16	18	1
OMF222-X5	5 in clamshell	1-1/8	2-11/64	1/16	18	1
OMF222-X50	50 in masterpack	1-1/8	2-11/64	1/16	18	1



WAVY UNIVERSAL TOOTHING

OMF223 STARLOCK

1-3/4" Plunge and Flush-Cut for Wood & Metal. Long Life



- FEATURES:** Reinforced teeth with Bi-metal 8% Cobalt for long life featuring milled & wavy universal toothing.
- MATERIAL:** For sheet metal up to 2mm, wood products, plasterboard and soft plastics, non-ferrous pipe and profiles such as copper, aluminum and brass.
- APPLICATION:** Fast, easy precision cutting at any point in the material. Wide waist means outstanding cutting speed and quality. Plunge easily at any point in the material.

WOOD&METAL MILLED & WAVY SET TEETH **BIM 8% Co**

130% LONGER LIFE **LONG LIFE**

ORDER NO. Starlock	Pack Quantity	W inches	I inches	TS inches	TPI Teeth Per Inch	
OMF223-X1	1 in clamshell	1-3/4	2-11/64	1/16	18	1
OMF223-X5	5 in clamshell	1-3/4	2-11/64	1/16	18	1
OMF223-X50	50 in masterpack	1-3/4	2-11/64	1/16	18	1



WAVY UNIVERSAL TOOTHING

OMF157 STARLOCK

1-3/16" Plunge and Flush-Cut for Metal. Fine Cut



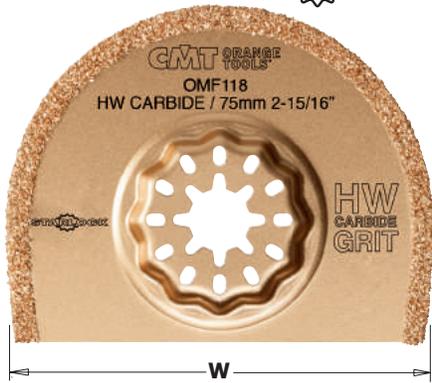
- FEATURES:** Reinforced teeth with Bi-metal 8% Cobalt for long life featuring thin kerf.
- MATERIAL:** For sheet metal up to 2mm, hard plastics, non-ferrous pipe and profiles such as copper, aluminum and brass, and fiberglass (GFRP).
- APPLICATION:** For fine, thin and precise cuts. Easy control. Medium waist for faster cutting and good swarf evacuation.

METAL MILLED & WAVY SET TEETH **BIM 8% Co**

FINE CUT

ORDER NO. Starlock	Pack Quantity	W inches	I inches	TS inches	TPI Teeth Per Inch	
OMF157-X1	1 in clamshell	1-3/16	2	3/64	21	1
OMF157-X5	5 in clamshell	1-3/16	2	3/64	21	1
OMF157-X50	50 in masterpack	1-3/16	2	3/64	21	1

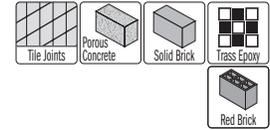
OMF118 STARLOCK



2-15/16" Carbide Grit Radial Saw Blade

FEATURES: Carbide Grit Radial saw blade, segmented.
MATERIAL: For tile joints, plasterboard, porous concrete, construction materials and reworking or cleaning planked deck joints.
APPLICATION: An economic option to diamond tools. For milling wall joints or floors, carving grooves on porous concrete, laying concealed cables or pipes. Ideal for working close to corners and edges. Not suitable for joint work on very hard epoxy resin or cement joints.

MASONRY CARBIDE GRIT



ORDER NO. Starlock	PACK Quantity	W inches	K inches	
OMF118-X1	1 in clamshell	2-15/16	3/32	1
OMF118-X5	5 in clamshell	2-15/16	3/32	1

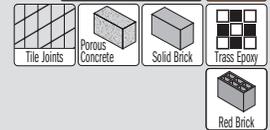
OMF125 STARLOCK



2-15/16" Carbide Grit Radial Saw Blade

FEATURES: Carbide Grit Radial Saw Blade, segmented.
MATERIAL: For tile joints, plasterboard, porous concrete, construction materials and reworking or cleaning planked deck joints.
APPLICATION: An economic option to diamond tools. For milling wall joints or floors, carving grooves on porous concrete for the purpose of laying concealed cables or pipes. Ideal for working close to corners and edges. Not suitable for joint work on very hard epoxy resin or cement joints.

MASONRY CARBIDE GRIT



ORDER NO. Starlock	PACK Quantity	W inches	K inches	
OMF125-X1	1 in clamshell	2-15/16	3/64	1
OMF125-X5	5 in clamshell	2-15/16	3/64	1

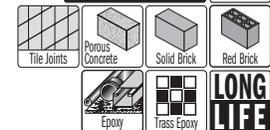
OMF114 STARLOCK



2-15/16" Diamond Coated Extra-Long Life Radial Saw Blade

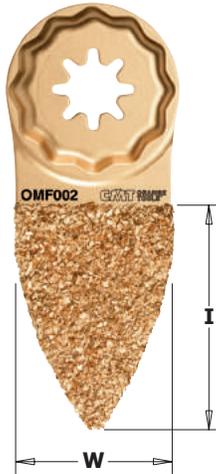
FEATURES: Diamond coated Radial Saw Blade for extra-long lifetime.
MATERIAL: For tiles, plasterboard, porous concrete, construction materials and reworking planked deck joints. Suitable for hard epoxy resin and cement joints.
APPLICATION: Best for frequent use and challenging jobs. For milling wall joints, carving grooves in porous concrete for the purpose of laying concealed cables and pipes. Ideal for working close to corners and edges. Cutting width approx.2.2mm.

MASONRY GRIT



ORDER NO. Starlock	PACK Quantity	W inches	K inches	
OMF114-X1	1 in clamshell	2-15/16	3/32	1
OMF114-X5	5 in clamshell	2-15/16	3/32	1

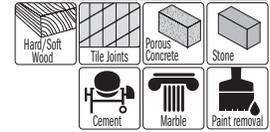
OMF002 STARLOCK PLUS



1-3/4" Double-Face Carbide Grit Fingertip Rasp

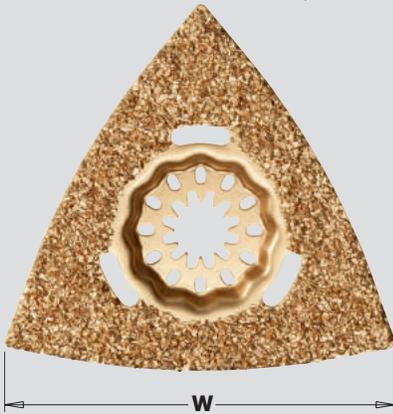
FEATURES: Double-sided Carbide Grit.
MATERIAL: For tiles, plasterboard, porous concrete, stone, construction materials, wood and carpet adhesives.
APPLICATION: Fingertip rasp perfect for coarse grinding in tight corners, grooves, channels, openings, slots, gaps and rabbets. For mold-making in curves, slots and artistic work.

MASONRY CARBIDE GRIT



ORDER NO.	Pack Quantity	W inches	I inches	
OMF002-X1	1 in clamshell	1-5/16	1-3/4	1

OMF001 STARLOCK



3-1/8" Carbide Grit Delta Rasp

FEATURES: Carbide Grit Delta Rasp.
MATERIAL: For tiles and tile adhesives, plasterboard, porous concrete, stone, fiberglass, plastics, construction material, wood and carpet adhesives.
APPLICATION: For tight corners and cramped work areas and for removing mortar and adhesives, removing carpet adhesive residues, rasping wood, rough grinding of filler and tile adhesive.

MASONRY CARBIDE GRIT



ORDER NO.	Pack Quantity	W inches	
OMF001-X1	1 in clamshell	3-1/8	1

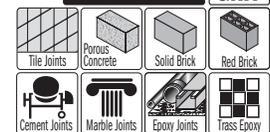
OMF243 STARLOCK MAX



2-3/8" Diamond Coated Extra-Long Life Segment Saw Blade

FEATURES: Diamond coated for extra-long life, Segmented Saw Blade.
MATERIAL: For tiles, marble, hard epoxy resins and cement grouts.
APPLICATION: Best for frequent use and challenging jobs in tight corners and edges. Efficient shape allows aggressive grinding without damaging tile. Cuts out marble and trass concrete joints, great for sinking ducts in plaster, pumice, brick and honeycomb stone as well as autoclave aerated concrete. Cutting width approx. 2.2mm

MASONRY GRIT



LONG LIFE

ORDER NO.	Pack Quantity	W inches	K inches	
OMF243-X1	1 in clamshell	2-3/8	3/32	1

OMF226 STARLOCK



2-1/16" Rigid Scraper Blade for All Materials

FEATURES: Rigid Scraper in HL.
MATERIAL: Removes tough paint layers and stubborn adhesive residues, scrapes away carpet, tile adhesives and underseal.
APPLICATION: For a wide range of applications: Removes mortar or tile adhesives and concrete residues. Scrapes away hard, brittle carpet adhesive residue.

MULTI-MAT HL



ORDER NO. Starlock	Pack Quantity	W inches	K inches	
OMF226-X1	1 in clamshell	2-1/16	1/32	1

OMF165 STARLOCK



2-1/16" Flexible Scraper Blade for All Materials

FEATURES: Flexible Scraper in HL.
MATERIAL: Soft and semi-soft materials like silicone, caulking for plumbing jobs and stickers.
APPLICATION: For a wide range of applications: removes soft carpet adhesive residue, paint residues and silicone joints.

MULTI-MAT HL



ORDER NO. Starlock	Pack Quantity	W inches	K inches	
OMF165-X1	1 in clamshell	2-1/16	1/64	1

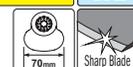
OMF245 STARLOCK



2-3/4" "Mushroom-Shaped" Cutting Blade for All Materials

FEATURES: "Mushroom Shaped" blade in HL,
MATERIAL: For cutting silicone, caulking, soft putty as well as glazing compounds.
APPLICATION: Blade shape keeps hands safely away from broken glass when repairing window panes and/or separating insulated glass panels.

MULTI-MAT HL



ORDER NO. Starlock	Pack Quantity	W inches	K inches	
OMF245-X5	1 in clamshell	2-3/4	1/64	1

Accessories for Multi-Cutters

OMF201 STARLOCK PLUS



new



5/8" Angled Gouging Blade

FEATURES: Angled Gouging blade in HCS.
MATERIAL: For cutting, gouging and digging out soft materials like sealant, caulk and silicone from tight recesses.
APPLICATION: For cleaning out tight notches and narrow recesses or crevices. Specialized blade for boat maintenance such as cabins, rails, gunwales, cleats and curves. Ideal for cutting out sealant on boats with panelled decks.



ORDER NO. StarlockPlus	Pack Quantity	W inches	I inches	
OMF201-X1	1 in clamshell	5/8	5/32	1

OMF251 STARLOCK



new



1-5/8" Multi-Knife with Three Cutting Surfaces

FEATURES: Multi-Knife, segmented with three cutting surfaces.
MATERIAL: For cutting carpet, soft materials like sealant and foam insulation, leather goods, PVC flooring, cardboard, bitumen shingles and roofing paper.
APPLICATION: Unique shape means that material can be cut simply by pulling, pushing or pressing. Ideal for grout between tiles and removing carpet, PVC floors, cardboard, bitumen shingles and roofing fabric.



ORDER NO. Starlock	Pack Quantity	W inches	I inches	
OMF251-X1	1 in clamshell	1-5/8	1-5/8	1

OMF-X4 STARLOCK



new

4 piece Multipurpose Set for Multi-Cutters

- 2 blades with Japanese Tothing for all wood products, blockboard, plasterboard and plastics.
- 2 blades in BIM for all wood products, blockboard, plasterboard, fiberglass, epoxy and soft plastics. Cuts through embedded nails in wood up to 5mm in diameter and even masonry, like porous concrete.

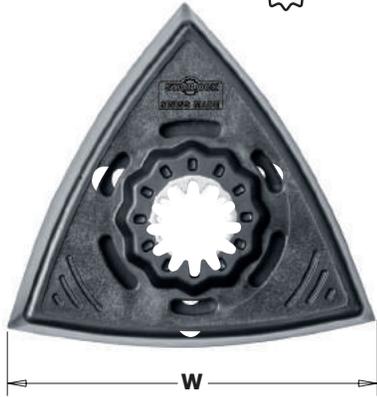
WOOD WOOD&NAILS

8 Sets in End-cap display
(minimum order 8 sets)



ORDER NO.	Pack Quantity	W inches	I inches	TS inches	TPI Teeth Per Inch	
OMF126-X1	1	1-3/8	2	1/16	14	1
OMF160-X1	1	1-3/8	2	1/16	18	1
OMF221-X1	1	2	2	1/16	18	1
OMF230-X1	1	2-9/16	2	1/16	14	1

OMF136 STARLOCK



3-5/8" Delta Sanding Pad, Perforated

FEATURES: perforated sanding pad with micro Velcro®-type fastening system. Quick, easy sanding sheet changes.

APPLICATION: perfectly sands surfaces on any material. Comprehensive range of sanding sheets permits a wide range of sanding applications.

MULTI-MAT



ORDER NO. Starlock	PACK Quantity	W inches	
OMF136-X1	1 in clamshell	3-5/8	1

OMA30000



3-5/8" Delta Polishing Fleece, Perforated

FEATURES: Delta Polishing Fleece with micro Velcro®-type to be use with our sku # OMM30 and # OMS30 and # OMF136.

APPLICATION: wide range of applications: suitable for bringing out grain in wood (rustic look), de-rusting metal, matte sanding varnished surfaces and glass, removing dirt and deposits without altering the workpiece surface.

MULTI-MAT



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

OMA30

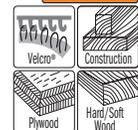


3-5/8" Aluminium-Oxide Delta Sandpaper for Wood, Perforated

FEATURES: Delta Sandpaper lined with self adhesive micro Velcro® - for use with skus #OMM30 and #OMS30 and #OMF136.

APPLICATION: wide range of applications: suitable for sanding all types of wood, chipboard, plywood, construction boards, for pre-sanding of rough, uneven beams and boards. Best results achieved with dust extractor. Aluminium-Oxide abrasive grain and full resin bond guarantee high abrasion performance.

WOOD



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

Accessories for Multi-Cutters

THE RIGHT BLADE FOR THE BEST RESULTS!

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



CMT universal arbor is designed to fit perfectly with almost all multitools on the market



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

Arbor for Fein® SuperCut and Festool® Vecturo



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

OMA31



Universal Adapters

The universal adaptor allows you to use CMT accessories on almost any multi-cutter on the market. Accessories fit snugly and won't slip providing optimum power transfer and outstanding precision. 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

OMM01

Universal Arbor



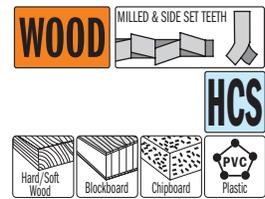
OMS01

Arbor for Fein® SuperCut
Festool® Vecturo



3/8" Plunge and Flush-Cut for Wood

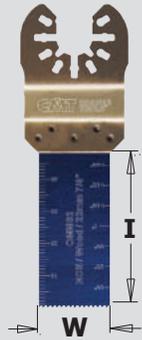
FEATURES: HCS with hardened teeth.
MATERIAL: for wood, blockboard, chipboard, plastic, pipes and profiles.
APPLICATION: for a wide range of applications: installing ventilation grilles, cutting recesses in furniture elements for access to a mains socket, adjustment work in wood like sawing recesses for locks, and fitting window and door hardware.



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

Universal Arbor



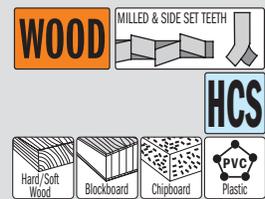
OMS02

Arbor for Fein® SuperCut
Festool® Vecturo



7/8" Plunge and Flush-Cut for Wood

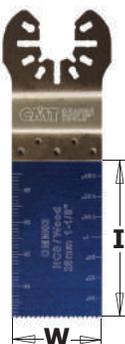
FEATURES: HCS with hardened teeth.
MATERIAL: for wood, blockboard, chipboard, plastic, pipes and profiles.
APPLICATION: for a wide range of applications: installing ventilation grilles, cutting recesses in furniture elements to enable access to a mains socket, flush-cutting wooden components to length (like dowels and tenons), window and door hardware.



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

Universal Arbor



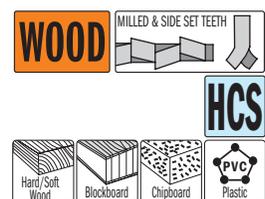
OMS03

Arbor for Fein® SuperCut
Festool® Vecturo



1-1/8" Plunge and Flush-Cut for Wood

FEATURES: HCS with hardened teeth.
MATERIAL: for wood, blockboard, chipboard, plastic, pipes and profiles.
APPLICATION: for a wide range of applications: installing ventilation grilles, cutting recesses in furniture elements to enable access to a mains socket, flush-cutting wooden components to length (like dowels and tenons), window and door hardware.



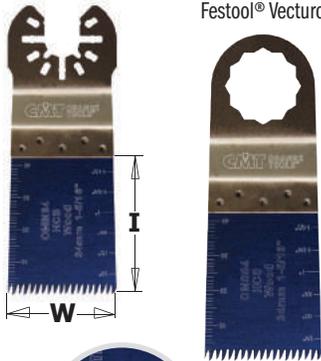
ORDER NO. Universal Arbor	ORDER NO. Arbor for Fein® Supercut	PACK Quantity	W inches	I inches	TPI	
OMM03-X1	OMS03-X1	1 in clamshell	1-1/8	1-7/8	18	10
OMM03-X50	OMS03-X50	50 in masterpack	1-1/8	1-7/8	18	5

Accessories for Multi-Cutters

OMM04 OMS04

Universal Arbor

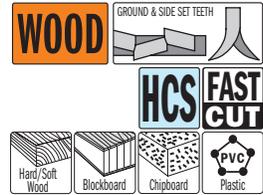
Arbor for Fein® SuperCut
Festool® Vecturo



Japanese Toothing

1-3/8" Precision Cut, Japanese Toothing for Wood

FEATURES: HCS with "Japanese" double-row pattern, hardened teeth.
MATERIAL: for wood, timber, blockboard, chipboard.
APPLICATION: ground and side-set teeth for clean and quick precision cutting into soft wood and timber. This tooth pattern with its longer teeth allows you to start cutting from a precise point by standing the blade on its corner and lowering it into the wood.

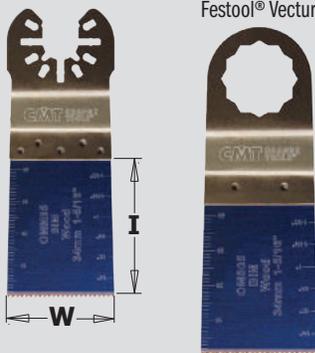


ORDER NO. Universal Arbor	ORDER NO. Arbor for Fein® Supercut	PACK Quantity	W inches	I inches	TPI	
OMM04-X1	OMS04-X1	1 in clamshell	1-3/8	1-5/8	14	10
OMM04-X5	OMS04-X5	5 in clamshell	1-3/8	1-5/8	14	5
OMM04-X50	OMS04-X50	50 in masterpack	1-3/8	1-5/8	14	2

OMM05 OMS05

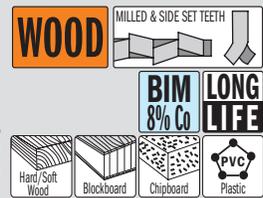
Universal Arbor

Arbor for Fein® SuperCut
Festool® Vecturo



1-3/8" Extra-Long Life Plunge and Flush-Cut for Wood

FEATURES: Bi-metal with 8% Cobalt teeth guarantee extra-long life.
MATERIAL: for wood, blockboard, chipboard, plastic, pipes and profiles.
APPLICATION: for a wide range of applications: installing ventilation grilles, cutting recesses in furniture elements to enable access to a mains socket, flush-cutting wooden components to length (like dowels and tenons), window and door hardware.



ORDER NO. Universal Arbor	ORDER NO. Arbor for Fein® Supercut	PACK Quantity	W inches	I inches	TPI	
OMM05-X1	OMS05-X1	1 in clamshell	1-3/8	1-5/8	18	10
OMM05-X5	OMS05-X5	5 in clamshell	1-3/8	1-5/8	18	5
OMM05-X50	OMS05-X50	50 in masterpack	1-3/8	1-5/8	18	2

OMM36 OMS36

Universal Arbor

Arbor for Fein® SuperCut
Festool® Vecturo



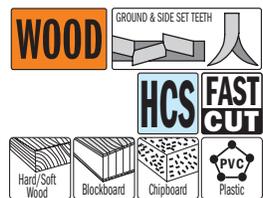
new



Japanese Toothing

1-3/4" Precision Cut, Japanese toothing for Wood

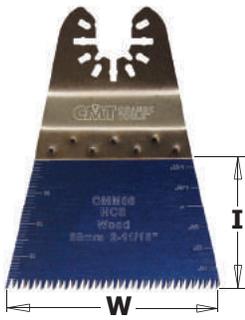
FEATURES: HCS with "Japanese" double-row pattern, hardened teeth.
MATERIAL: for wood, timber, blockboard, chipboard.
APPLICATION: ground and side-set teeth for precision, clean, quick cutting into soft wood and timber. This tooth pattern with its longer teeth allows you to start cutting from a precise point by standing the blade on its corner and lowering it into the wood. Ideal width for creating long flat horizontal cuts like: door jambs and skirting board.



ORDER NO. Universal Arbor	ORDER NO. Arbor for Fein® Supercut	PACK Quantity	W inches	I inches	TPI	
OMM36-X5	OMS36-X5	5 in clamshell	1-3/4	2	14	5
OMM36-X50	OMS36-X50	50 in masterpack	1-3/4	2	14	2

OMM06

Universal Arbor



Japanese Toothing

OMS06

Arbor for Fein® SuperCut Festool® Vecturo

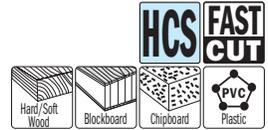


2-11/16" Precision Cut, Japanese Toothing for Wood

FEATURES: HCS with "Japanese" double-row pattern, hardened teeth.

MATERIAL: for wood, timber, blockboard, chipboard.

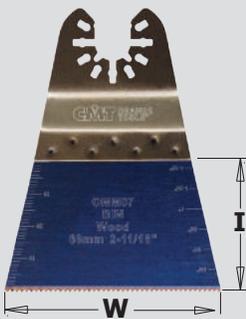
APPLICATION: ground and side-set teeth for clean and quick precision cutting into soft wood and timber. The tooth pattern, with its longer teeth, allows you to start cutting from a precise point by standing the blade on its corner and lowering it into the wood. Ideal width for creating long flat horizontal cuts like: door jambs and skirting boards.



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	OMS06-X5	5 in clamshell	2-11/16	1-5/8	14	5
OMM06-X50	OMS06-X50	50 in masterpack	2-11/16	1-5/8	14	2

OMM07

Universal Arbor



OMS07

Arbor for Fein® SuperCut Festool® Vecturo

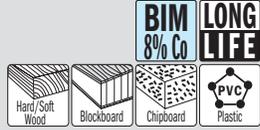


2-11/16" Extra-Long Life Plunge and Flush-Cut for Wood

FEATURES: Bi-metal with 8% Cobalt teeth guarantee extra-long life.

MATERIAL: for wood, blockboard, chipboard, plastic, pipes and profiles.

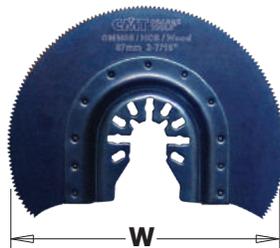
APPLICATION: for a wide range of applications: installing ventilation grilles, cutting recesses in furniture elements to enable access to a mains socket, flush-cutting wooden components to length (like dowels and tenons), window and door hardware.



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	OMS07-X5	5 in clamshell	2-11/16	1-5/8	18	5
OMM07-X50	OMS07-X50	50 in masterpack	2-11/16	1-5/8	18	2

OMM08

Universal Arbor



OMS08

Arbor for Fein® SuperCut Festool® Vecturo

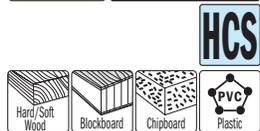


3-7/16" Radial Saw Blade for Wood

FEATURES: HCS with hardened teeth.

MATERIAL: for wood, blockboard, chipboard, plastic, pipes and profiles.

APPLICATION: for a wide range of applications: installing ventilation grilles, cutting recesses in furniture elements to enable access to a mains socket, flush-cutting wooden components to length (like dowels and tenons). Cutting plastic pipes (PVC) to length.



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

Accessories for Multi-Cutters



MMM09 OMS09

Universal Arbor
Arbor for Fein® SuperCut
Festool® Vecturo



3/8" Plunge and Flush-Cut for Wood & Metal

FEATURES: Bi-metal with 8% Cobalt teeth.
MATERIAL: for wood, chipboard, plastic, sheet metal, copper and aluminium pipes and profiles.
APPLICATION: for a wide range of applications: flush-cutting embedded nails in wood, adjustment work on non-ferrous profiles, plunge-cutting in plasterboard.



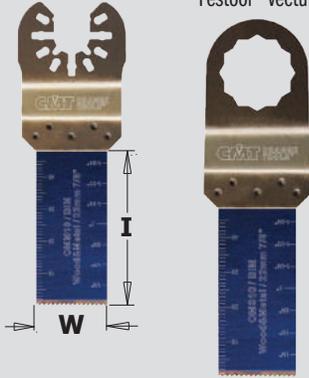
BIM
8% Co



ORDER NO. Universal Arbor	ORDER NO. Arbor for Fein® Supercut	PACK Quantity	W inches	I inches	TPI	
MMM09-X1	OMS09-X1	1 in clamshell	3/8	1-1/8	18	10
MMM09-X5	OMS09-X5	5 in clamshell	3/8	1-1/8	18	5
MMM09-X50	OMS09-X50	50 in masterpack	3/8	1-1/8	18	2

MMM10 OMS10

Universal Arbor
Arbor for Fein® SuperCut
Festool® Vecturo

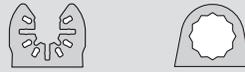


7/8" Plunge and Flush-Cut for Wood & Metal

FEATURES: Bi-metal with 8% Cobalt teeth.
MATERIAL: for wood, plasterboard, plastic, sheet metal, copper and aluminium pipes and profiles.
APPLICATION: for a wide range of applications: flush-cutting embedded nails in wood, cutting copper pipes, plunge-cutting in plasterboard.



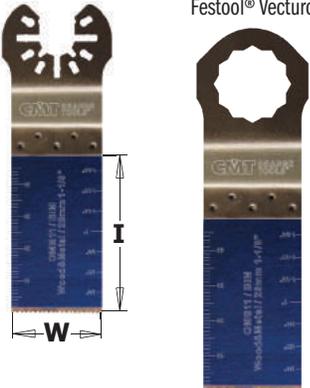
BIM
8% Co



ORDER NO. Universal Arbor	ORDER NO. Arbor for Fein® Supercut	PACK Quantity	W inches	I inches	TPI	
MMM10-X1	OMS10-X1	1 in clamshell	7/8	1-7/8	18	10
MMM10-X5	OMS10-X5	5 in clamshell	7/8	1-7/8	18	5
MMM10-X50	OMS10-X50	50 in masterpack	7/8	1-7/8	18	2

MMM11 OMS11

Universal Arbor
Arbor for Fein® SuperCut
Festool® Vecturo



1-1/8" Plunge and Flush-Cut for Wood & Metal

FEATURES: Bi-metal with 8% Cobalt teeth.
MATERIAL: for wood, plasterboard, plastic, sheet metal, copper and aluminium pipes and profiles.
APPLICATION: for a wide range of applications: flush-cutting embedded nails in wood, cutting copper pipes and aluminium profiles, plunge-cutting in plasterboard.



BIM
8% Co



ORDER NO. Universal Arbor	ORDER NO. Arbor for Fein® Supercut	PACK Quantity	W inches	I inches	TPI	
MMM11-X1	OMS11-X1	1 in clamshell	1-1/8	1-7/8	18	10
MMM11-X5	OMS11-X5	5 in clamshell	1-1/8	1-7/8	18	5
MMM11-X50	OMS11-X50	50 in masterpack	1-1/8	1-7/8	18	2

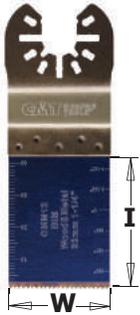
Accessories for Multi-Cutters



OMM12 OMS12

Universal Arbor

Arbor for Fein® SuperCut
Festool® Vecturo



1-1/4" Plunge and Flush-Cut for Wood & Metal

FEATURES: Bi-metal with 8% Cobalt teeth.
MATERIAL: for wood, plasterboard, plastic, sheet metal, copper and aluminium pipes and profiles.
APPLICATION: for a wide range of applications: flush-cutting embedded nails in wood, cutting copper pipes and aluminium profiles, plunge-cutting in plasterboard.



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	1-1/4	1-5/8	18	10
OMM12-X5	OMS12-X5	5 in clamshell	1-1/4	1-5/8	18	5
OMM12-X50	OMS12-X50	50 in masterpack	1-1/4	1-5/8	18	2

OMM13 OMS13

Universal Arbor

Arbor for Fein® SuperCut
Festool® Vecturo

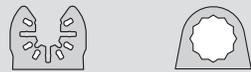


1-1/4" Extra-Long Life Plunge & Flush-Cut for Wood & Metal

FEATURES: TiN Coated Bi-metal with 8% Cobalt teeth.
MATERIAL: for wood and nails, plasterboard, plastic, sheet metal, copper and aluminium pipes and profiles.
APPLICATION: for a wide range of applications: flush-cutting embedded nails in wood, cutting copper pipes and aluminium profiles, plunge cutting in plasterboard. Tooth strip coated with titanium nitride for 130% longer life.



BIM TiN **130% LONGER LIFE** **LONG LIFE**

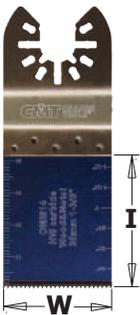


ORDER NO. Universal Arbor	ORDER NO. Arbor for Fein® SuperCut	PACK Quantity	W inches	I inches	TPI	
OMM13-X1	OMS13-X1	1 in clamshell	1-1/4	1-5/8	18	10
OMM13-X5	OMS13-X5	5 in clamshell	1-1/4	1-5/8	18	5
OMM13-X50	OMS13-X50	50 in masterpack	1-1/4	1-5/8	18	2

OMM14 OMS14

Universal Arbor

Arbor for Fein® SuperCut
Festool® Vecturo



1-3/8" Extra-Long Life Plunge & Flush-Cut for Wood & Metal

FEATURES: High Quality carbide teeth.
MATERIAL: for wood, hardened screws and nails, plasterboard, plastic, sheet metal, copper, aluminium and stainless steel.
APPLICATION: for a wide range of applications: cutting hardened screws/nails, cutting stainless steel for kitchen front covers, plunge cutting in highly abrasive materials such as fiberglass.



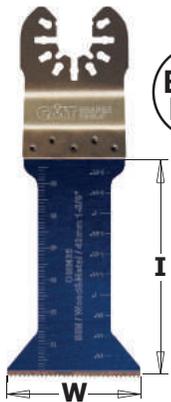
CARBIDE TIPPED **2X LONGER LIFE** **LONG LIFE**



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

Accessories for Multi-Cutters

OMM35
Universal Arbor



OMS35
Arbor for Fein® SuperCut Festool® Vecturo



EXTRA LONG
new

1-21/32" Plunge and Flush-Cut for Wood & Metal

FEATURES: Bi-metal with 8% Cobalt teeth.
MATERIAL: for wood, plasterboard, plastic, sheet metal, copper and aluminium pipes and profiles.
APPLICATION: wide range of applications: flush-cutting a nail, cutting copper pipes and aluminium profiles, plunge-cutting in plasterboard.

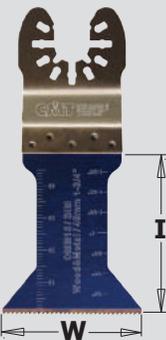


BIM
8% Co



ORDER NO. Universal Arbor	ORDER NO. Arbor for Fein® SuperCut	Pack Quantity	W inches	I inches	TPI	
OMM35-X5	OMS35-X5	5 in clamshell	1-21/32	2-11/16	18	5
OMM35-X50	OMS35-X50	50 in masterpack	1-21/32	2-11/16	18	2

OMM15
Universal Arbor



OMS15
Arbor for Fein® SuperCut Festool® Vecturo



1-3/4" Plunge and Flush-Cut for Wood & Metal

FEATURES: Bi-metal with 8% Cobalt teeth.
MATERIAL: for wood, plasterboard, plastic, sheet metal, copper and aluminium pipes and profiles.
APPLICATION: for a wide range of applications: flush-cutting embedded nails, cutting copper pipes and aluminium profiles, plunge-cutting in plasterboard.



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	OMS15-X5	5 in clamshell	1-3/4	1-7/8	18	5
OMM15-X50	OMS15-X50	50 in masterpack	1-3/4	1-7/8	18	2

OMM16
Universal Arbor



OMS16
Arbor for Fein® SuperCut Festool® Vecturo



1-3/4" Extra-Long Life Plunge & Flush-Cut for Wood & Metal

FEATURES: TiN Coated Bi-metal with 8% Cobalt teeth.
MATERIAL: for wood and nails, plasterboard, plastic, sheet metal, copper and aluminium pipes and profiles.
APPLICATION: for a wide range of applications: flush-cutting embedded nails, cutting copper pipes and aluminium profiles, plunge-cutting in plasterboard. Tooth strip coated with titanium nitride for 130% longer life.



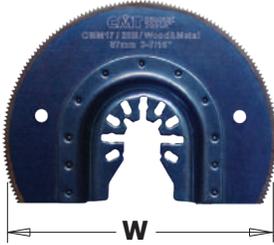
BIM TiN **LONG LIFE** **130% LONGER LIFE**



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	OMS16-X5	5 in clamshell	1-3/4	1-7/8	18	5
OMM16-X50	OMS16-X50	50 in masterpack	1-3/4	1-7/8	18	2

OMM17

Universal Arbor



OMS17

Arbor for Fein® SuperCut
Festool® Vecturo



3-7/16" Radial Saw Blade for Wood & Metal

FEATURES: Bi-metal with 8% Cobalt teeth.
MATERIAL: for wood, veneered panels, plastic and laminated panels, sheet metal, copper and aluminium pipes and profiles.
APPLICATION: wide range of applications: flush-cutting a nail, cutting a door frame, laminate/parquet, cutting aluminium profiles, plunge-cutting.

WOOD&METAL

BIM 8% Co **LONG LIFE**

Hard/Soft Wood, PVC Plastic, ALU Aluminum, Sheet Metal, Non-Ferrous Metals



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

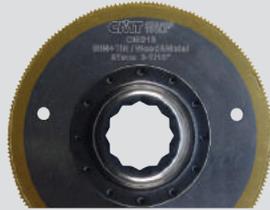
OMM18

Universal Arbor



OMS18

Arbor for Fein® SuperCut
Festool® Vecturo



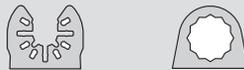
3-7/16" Extra-Long Life Radial Saw Blade for Wood & Metal

FEATURES: TiN Coated Bi-metal with 8% Cobalt teeth.
MATERIAL: for wood, plasterboard and fibercement boards, sheet metal, copper and aluminium pipes and profiles.
APPLICATION: for a wide range of applications: plunge-cutting in plasterboard, cutting small aluminium mouldings to length, cutting recesses in epoxy/glass fibre such as a boat dashboard.

WOOD&METAL

BIM 8% Co **LONG LIFE** **130% LONGER LIFE**

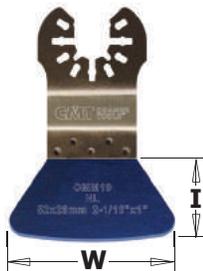
Hard/Soft Wood, PVC Plastic, ALU Aluminum, Sheet Metal, Non-Ferrous Metals



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

OMM19

Universal Arbor



OMS19

Arbor for Fein® SuperCut
Festool® Vecturo



2-1/16" Rigid Scraper for all Materials

FEATURES: HL rigid scraper.
APPLICATION: for a wide range of applications: removing mortar or tile adhesive, removing mortar and concrete residues, removing hard and brittle carpet adhesive residues.

MULTI-MAT **HL**

30mm, Sharp Blade



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

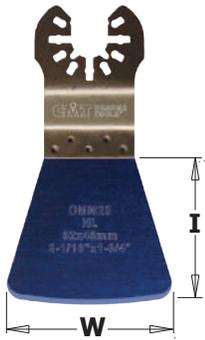
OMM20
Universal Arbor

OMS20
Arbor for Fein® SuperCut
Festool® Vecturo

2-1/16" Flexible Scraper for all Materials

MULTI-MAT **HL**

FEATURES: HL flexible scraper.
APPLICATION: for a wide range of applications: removing soft carpet adhesive residues, removing paint residues, removing silicone joints.



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

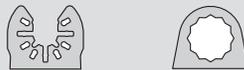
OMM21
Universal Arbor

OMS21
Arbor for Fein® SuperCut
Festool® Vecturo

1-1/8" Sharp Corner Scraper for all Materials

MULTI-MAT **HL**

FEATURES: HL sharp corner scraper.
APPLICATION: for a wide range of applications: cutting soft expansion joints, cutting window putty and sealing compounds, and cutting insulation materials.



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	OMS21-X50	50 in masterpack	1-1/8	2	2

OMM22
Universal Arbor

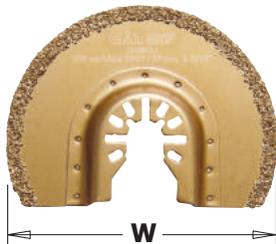
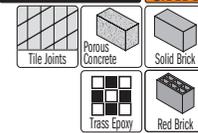
OMS22
Arbor for Fein® SuperCut
Festool® Vecturo

3-7/16" Carbide Grit Radial Saw Blade

MASONRY **CARBIDE GRIT**

FEATURES: Carbide Grit.
MATERIAL: radial saw blade for tiles joints, plasterboard, porous concretes and similar construction materials.

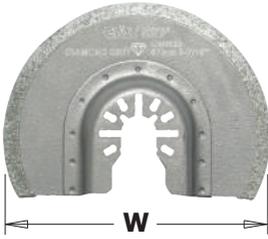
APPLICATION: for a wide range of applications: routing joints on wall and floor tiles, making small cutouts in soft wall tiles, routing grooves in porous concrete, and laying concealed cables and pipes.



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

OMM23

Universal Arbor



OMS23

Arbor for Fein® SuperCut
Festool® Vecturo

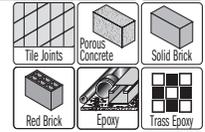


3-7/16" Diamond Coated Extra-Long Life Radial Saw Blade

FEATURES: Diamond coated for extended lifetime.
MATERIAL: radial saw blade for tiles joints, plasterboard, porous concretes, construction materials, epoxy and glass fibre.

APPLICATION: for a wide range of applications: routing joints in wall and floor tiles, making small cutouts in soft wall tiles, and routing recesses in epoxy/glass fibre reinforced plastic such as a boat's hull.

MASONRY GRIT



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
OMM23-X25	OMS23-X25	25 in masterpack	3-7/16	1/16	2

OMM24

Universal Arbor



OMS24

Arbor for Fein® SuperCut
Festool® Vecturo

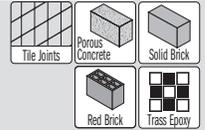


2-9/16" Carbide Grit Radial Saw Blade

FEATURES: Carbide Grit.
MATERIAL: radial saw blade for tiles joints, plasterboard, porous concretes and similar construction materials.

APPLICATION: for a wide range of applications: routing joints in wall and floor tiles, making small cutouts in soft wall tiles, routing grooves in porous concrete, and laying concealed cables and pipes.

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

Universal Arbor



OMS27

Arbor for Fein® SuperCut
Festool® Vecturo

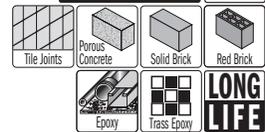


2-9/16" Diamond Coated Extra-Long Life Radial Saw Blade

FEATURES: Diamond coated for extended lifetime.
MATERIAL: radial saw blade for tiles joints, plasterboard, porous concretes, construction materials, epoxy and glass fibre.

APPLICATION: for a wide range of applications: routing joints in wall and floor tiles, making small cutouts in soft wall tiles, routing recesses in epoxy/glass fibre reinforced plastic such as a boat's hull.

MASONRY GRIT



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

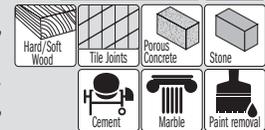
Universal Arbor



1-3/8" Double-Face Carbide Grit Fingertip Rasp

FEATURES: Carbide Grit coated on both sides.
MATERIAL: Fingertip Rasp for tiles, plasterboard, porous concretes, construction materials, wood, carpets.
APPLICATION: for a wide range of applications: removing mortar or tile adhesive, removing carpet adhesive residues, rasping wood for rough adjustment, rough grinding of filler, tile adhesives, concrete, stone and wood.

MASONRY CARBIDE GRIT

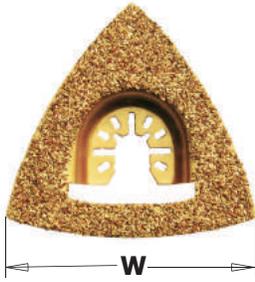


ORDER NO. Universal Arbor	Pack Quantity	W inches	I inches	
OMM26-X1	1 in clamshell	1-3/8	1-3/8	10

Accessories for Multi-Cutters

OMM25

Universal Arbor



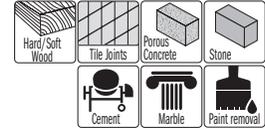
3-1/8" Carbide Grit Delta Rasp

FEATURES: Carbide Grit.
MATERIAL: Delta Rasp for tiles, plasterboard, porous concretes, construction materials, wood, carpets.
APPLICATION: for a wide range of applications: removing mortar or tile adhesive, removing carpet adhesive residues, rasping wood for rough adjustment, rough grinding of filler, tile adhesives, concrete, stone and wood.



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

MASONRY CARBIDE GRIT



OMM28

Universal Arbor



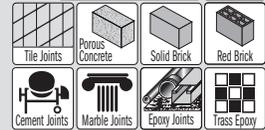
2-1/4" Diamond Coated Extra-Long Life Segment Saw Blade

FEATURES: Diamond coated for extended lifetime.
MATERIAL: for tiles, marble, epoxy resins.
APPLICATION: for a wide range of applications: removes tough grout from between tiled surfaces. Efficient shape allows aggressive grinding without damaging the tile. Effective for cutting out marble and trass concrete joints, sinking ducts in plaster, brick, pumice, honeycomb stone and autoclave aerated concrete. Long-lasting blades are designed specifically for harder grouts.



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

MASONRY GRIT



LONG LIFE

OMM29

Universal Arbor



OMS29

Arbor for Fein® SuperCut Festool® Vecturo



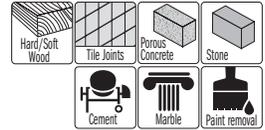
2-9/16" Carbide Grit Grout and Mortar Remover

FEATURES: Carbide Grit.
MATERIAL: Grout and Mortar remover for tiles, concrete, stone.
APPLICATION: for a wide range of applications: routing grout, rasping away mortar or tile adhesive, removing joints and tiles. Suitable for removing carpet residues from a mineral surface. The special design allows access into 90° corners.



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

MASONRY CARBIDE GRIT



OMM30

Universal Arbor



OMS30

Arbor for Fein® SuperCut Festool® Vecturo



3-5/8" Delta Sanding Pad, Perforated

FEATURES: perforated sanding pad with self adhesive micro Velcro® makes for quick and easy sanding sheet changes.
APPLICATION: the comprehensive range of sanding sheets allows for perfect sanding of any material in any application.



ORDER NO. Universal Arbor	ORDER NO. Arbor for Fein® Supercut	Pack Quantity	W inches	
OMM30-X1	OMS30-X1	1 in clamshell	3-5/8	10

MULTI-MAT



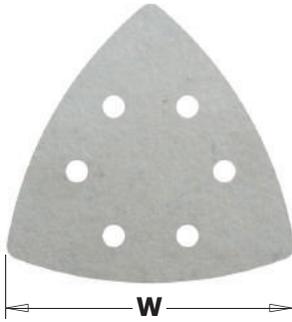
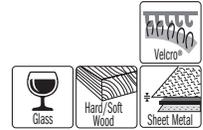
OMA30000

3-5/8" Delta Polishing Fleece, Perforated

FEATURES: Delta Polishing Fleece with micro Velcro®-type to be use with our sku # OMM30 and # OMS30 and # OMF136.

APPLICATION: for a wide range of applications: suitable for bringing out the grain in wood (rustic look), de-rusting metal, matte sanding varnished surfaces and glass, and removing dirt or deposits without altering the workpiece surface.

MULTI-MAT



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

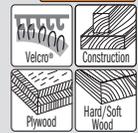
OMA30

3-5/8" Aluminium-Oxide Delta Sandpaper for Wood, Perforated

FEATURES: Delta Sandpaper lined with self adhesive micro Velcro® - for use with skus #OMM30 and #OMS30 and #OMF136.

APPLICATION: for a wide range of applications: suitable for sanding all types of wood, chipboard, plywood, construction boards, for pre-sanding of rough, uneven beams and boards. Best results achieved with dust extractor. Aluminium-Oxide abrasive grain and full resin bond guarantee high abrasion performance.

WOOD



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

OMM-X4

new



4 piece Multipurpose Set for Multi-Cutters

- 2 blades with Japanese Tothing for all wood products, blockboard, plasterboard and plastics.
- 2 blades in BIM for all wood products, blockboard, plasterboard, fiberglass, epoxy, soft plastics, sheet metal, copper, aluminium pipes and profiles. Cuts through embedded nails in wood up to 5mm in diameter and even masonry, like porous concrete.

WOOD WOOD&NAILS

8 Sets in End-cap display (minimum order 8 sets)



ORDER NO.	Pack Quantity	MATERIAL	W inches	I inches	TPI Teeth Per Inch	
OMM04-X1	1	HCS	1-3/8	1-5/8	14	8
OMM06-X1	1	HCS	2-11/16	1-5/8	14	8
OMM12-X1	1	BIM	1-1/4	1-5/8	18	8
OMM15-X1	1	BIM	1-3/4	1-7/8	18	8

OMM-X33

Universal Arbor



33 piece Multipurpose Set for Multi-Cutters

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

High quality professional tools!

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

OMM-X37

Universal Arbor



37 piece Multipurpose Set for Multi-Cutters

- blades (in two sizes) for making cuts in wood, plastic, drywall, sheet metal, profiles and tubing in aluminum and copper.
- segmented blade for cutting wood and metal.
- scraper for removing carpet adhesive/glue residues as well as paint and varnish residues.
- rasp in carbide for grinding/sanding/removal of tiles, drywall, and cement, wood and building materials.
- specially designed blade to remove mortar, cementitious materials, cement and stone, even in hard to reach corners.
- sanding pad and sanding sheets (60, 100, 180 grit).

High quality professional tools!

ORDER NO.	Pack Quantity	W inches	I inches	TPI	GRIT	
OMM09-X1	1	3/8	1-1/8	18		10
OMM12-X1	1	1-1/4	1-5/8	18		10
OMM17-X1	1	3-7/16		20		10
OMM20-X1	1	2-1/16	1-3/4			10
OMM25-X1	1	3-1/8				10
OMM29-X1	1	2-9/16				10
OMM30-X1	1	3-5/8				10
OMA30060-X10	10	3-5/8			60	10
OMA30100-X10	10	3-5/8			100	10
OMA30180-X10	10	3-5/8			180	10



ROUTER BITS, SETS, JIGS & ACCESSORIES

PRODUCTS	PAGE
Spiral & Straight Bits	109~115
Mortise Bits	116
Dado Planer & Pattern Bits	117~119
Weatherseal Bits	120
Trimmer Bits	120~127
Panel Bits & Flush-V Groove Bits	128
Rabbeting Bits	129~132
Slotting & Grooving Bits	132~136
Flooring & Waintscotting	137
Window & Door Sets	138
Jointing Bits	139~143
Dovetail & Box Joint Bits	144~147
Chamfer & V-Grooving Bits	148~150
Drawer Pull & Radius Bits	151~153
Ovolo & Roundover Bits	154~156
Bead & Ogee Bits	157~165
Molding Bits	166~169
Window Sill & Finger Pull Bits	170~172
Panel Bits	172~179
Solid Surface Bits	180~186
SETS	187~211
CONTRACTOR ROUTER BITS & SETS	212~222
JIGS & ACCESSORIES	
Hinge Boring System / Pocket-Pro™ Starter Set	223~225
Universal Dovetail Jig	226~227
Routing Template	228
Adjustable Precision Router Dado Jig	229
Professional Straight Edge Clamps	230
Organizers-Blade & Bit Cleaner	231
Block Set & Templates	232
Measurement Accessories	233~234
Bowl & Tray System	235
3D Router Carver System	236~238
Laminate/Veneer Cutter & Edge Banding	239
Accessories	240

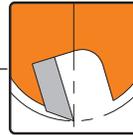


WHAT'S THE SECRET TO FLAWLESS EDGE PROFILES WITH NO REWORKING?



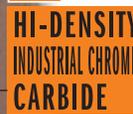
SUPERIOR HIGH-STRENGTH STEEL

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



ANTI-KICKBACK DESIGN

Controls depth of cut and minimizes the chance of kickback, reducing your risk of injury.



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®

Prevents bit from heating up, reduces pitch build-up, protects against corrosion and provides a longer bit life.

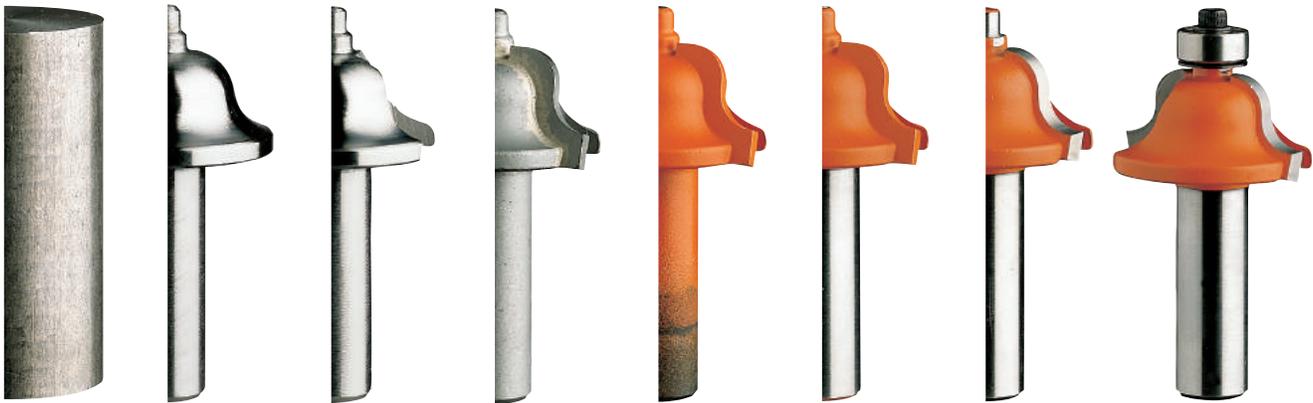


MULTI-AXIS GRINDING CREATES A MIRROR FINISH LASTING 3X LONGER

Each cutting edge is precisely sharpened to the micron, in order to produce a cutting angle, which is razor sharp, yet extremely durable.



Deluxe packaging



► **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 ensuring the shanks and bodies of our router and boring bits are accurate and perfectly balanced.

► **Heat forged steel bodies for large diameter bits** No router bits are exactly the same, 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 into precise bit bodies. This extra step produces a radial grain orientation which offers 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** In woodworking, you have to cut every kind of 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.

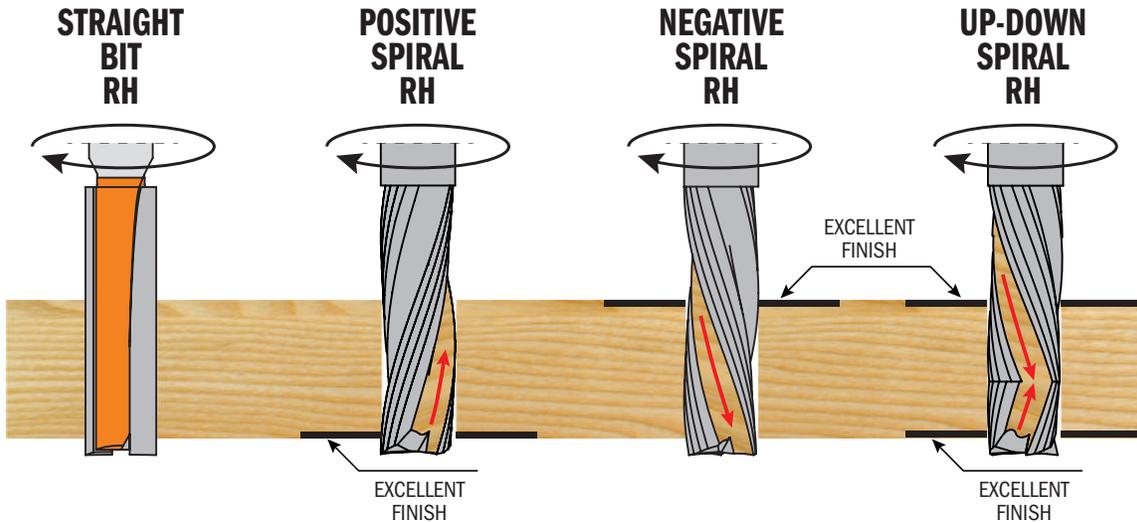


Fully automated assembly and marking.

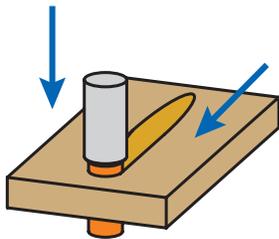


Loading the automated multi-axis CNC sharpening machines.

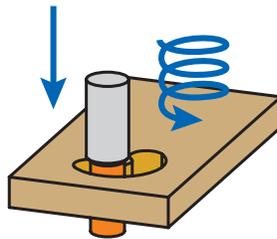
CUTTING EDGE TYPE



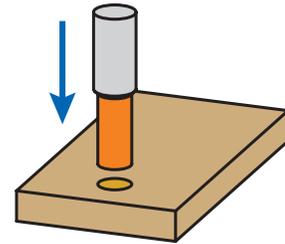
RECOMMENDED PLUNGING METHOD



RAMP PLUNGING



SPIRAL PLUNGING



AXIAL PLUNGING

Axial plunging is not recommended for router bits with negative spiral and negative cutting shear angles or bits without plunging cutters.

These methods are recommended for sizing and grooving tools.

PROBLEM SOLVING

PROBLEM	SOLUTIONS	INCREASE
Bad finishing	<ul style="list-style-type: none"> Cutting depth Vibrations 	<ul style="list-style-type: none"> Rotation speed Dust extraction Number of cutting edges Clamping cutter/chuck
Cutting edge wear	<ul style="list-style-type: none"> Rotation speed Vibrations 	<ul style="list-style-type: none"> Feed speed
Cutting edge burns	<ul style="list-style-type: none"> Rotation speed Number of cutting edges 	<ul style="list-style-type: none"> Feed speed
Cutting edge debris	<ul style="list-style-type: none"> Cutting depth 	<ul style="list-style-type: none"> Rotation speed Feed speed Dust extraction
Vibrations	<ul style="list-style-type: none"> Rotation speed Cutting depth 	<ul style="list-style-type: none"> Machine stability Workpiece stability
Cutter breakage	<ul style="list-style-type: none"> Feed speed Cutting depth Vibrations 	<ul style="list-style-type: none"> Shank diameter Collet clamping Change tool material Change tool material or geometry
	DECREASE	

DLCS Chrome Coating Solid Carbide Upcut & Downcut Spiral Bits



190.41 Compression Upcut & Downcut 2+2-Edge



ORDER NO.	Right-hand rotation	inches	D mm	I inches	I ₁ inches	L inches	S inches
190.504.41	10	3/8	9.53	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



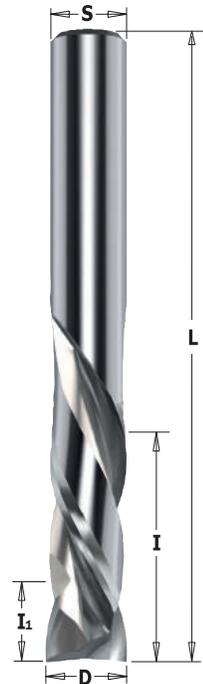
ORDER NO.	Right-hand rotation	inches	D mm	I inches	I ₁ inches	L inches	S inches
190.813.41	10	3/8	9.53	1	13/64	3	3/8
190.815.41	10	1/2	12.7	1-1/8	1/4	3	1/2

190.41 Mortise Compression Upcut & Downcut 2+2-Edge



ORDER NO.	Right-hand rotation	inches	D mm	I inches	I ₁ inches	L inches	S inches
190.513.41	10	3/8	9.53	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



ORDER NO.	Right-hand rotation	inches	D mm	I inches	I ₁ 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	9.53	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



ORDER NO.	Right-hand rotation	inches	D mm	I inches	I ₁ inches	L inches	S inches
190.813.11	10	3/8	9.53	1	13/64	3	3/8
190.815.41	10	1/2	12.7	1-1/8	1/4	3	1/2

190 Mortise Compression Upcut & Downcut 2+2-Edge



ORDER NO.	Right-hand rotation	inches	D mm	I inches	I ₁ inches	L inches	S inches
190.513.11	10	3/8	9.53	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

Excellent Finish



Excellent Finish

TECHNICAL DETAILS:

- Premium quality super-micrograin carbide
- 2+2 spiral cutting edges [Z2+2].
- 3+3 spiral cutting edges [Z3+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



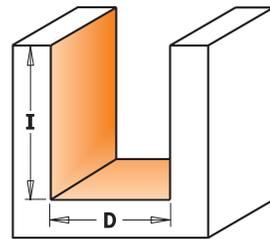
191 Upcut 2-Edge Spiral Bits



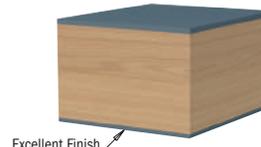
ORDER NO.	Right-hand rotation	D	I	L	S	
						inches
191.001.11	10	1/8	3.18	1/2	2	1/4
191.003.11	10	5/32	3.97	1/2	2	1/4
191.005.11	10	3/16	4.76	3/4	2	1/4
191.007.11	10	1/4	6.35	3/4	2	1/4
191.008.11	10	1/4	6.35	1	2-1/2	1/4
191.501.11	10	5/16	7.94	1	3	1/2
191.503.11	10	3/8	9.52	1-1/4	3-1/4	1/2
191.505.11	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
191.509.11	10	5/8	15.87	2-1/8	4-5/16	5/8
191.511.11	10	3/4	19.05	2-1/8	4-5/16	3/4

10 pcs. in Masterpack

191.008.11-X10		1/4	6.35	1	2-1/2	1/4
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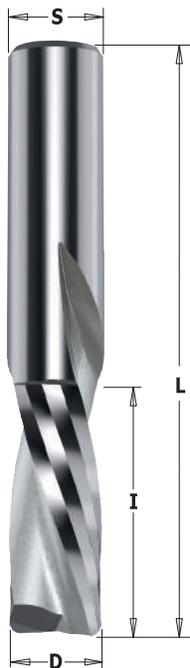


Drawing is 1:1 scale



X10 (10 pcs. in Masterpack)

Solid Carbide Downcut 2-Edge Spiral Bits



192 Downcut 2-Edge



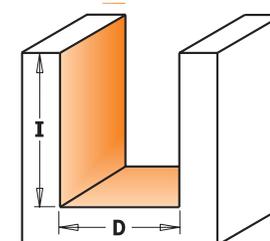
ORDER NO.	Right-hand rotation	D	I	L	S	
						inches
192.001.11	10	1/8	3.18	1/2	2	1/4
192.003.11	10	5/32	3.97	1/2	2	1/4
192.005.11	10	3/16	4.76	3/4	2	1/4
192.007.11	10	1/4	6.35	3/4	2	1/4
192.008.11	10	1/4	6.35	1	2-1/2	1/4
192.501.11	10	5/16	7.94	1	3	1/2
192.503.11	10	3/8	9.53	1-1/4	3-1/4	1/2
192.505.11	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
----------------	--	-----	------	---	-------	-----

new 192.501.11-X10

192.505.11-X10		1/2	12.7	1-1/4	3	1/2
----------------	--	-----	------	-------	---	-----

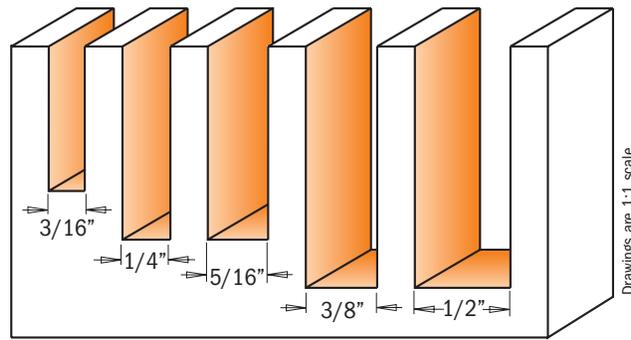


Drawing is 1:1 scale



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.

191.000.02 Upcut 2-Edge Spiral Bits



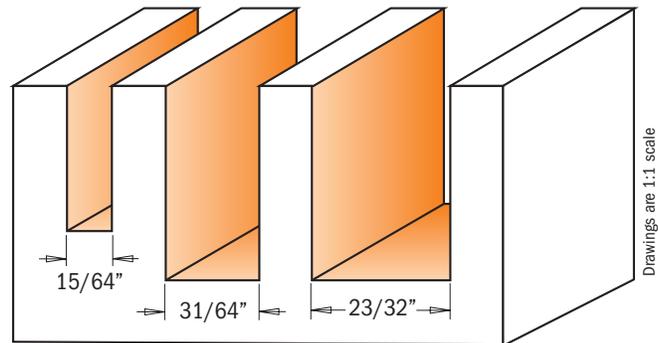
ORDER NO. S=01/4" - 1/2"	D inches	D mm	I inches	L inches	S inches
191.005.11	3/16	4.76	3/4	2	1/4
191.008.11	1/4	6.35	1	2-1/2	1/4
191.501.11	5/16	7.94	1	3	1/2
191.503.11	3/8	9.52	1-1/4	3	1/2
191.505.11	1/2	12.7	1-1/4	3	1/2

192.000.02 Downcut 2-Edge Spiral Bits



ORDER NO. S=01/4" - 1/2"	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

Plywood Groove Sets



811.001.11

3 piece Plywood Groove Set 1/4" shank

SET CONTAINS	ORDER NO. 1/4" 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

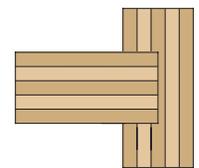
3 piece Plywood Groove Set 1/2" shank

SET CONTAINS	ORDER NO. 1/2" 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

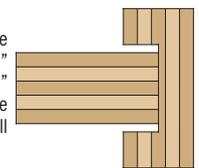
These groove bits are specifically designed to rout grooves and dados for joints in plywood. This means they match the true thickness of the material, producing tight, accurate joints. Use our 23/32" bit for 3/4" plywood, 31/64" bit for 1/2" plywood and our 15/64" bit for 1/4" plywood. No gaps. No sloppy 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.



• Solid Carbide

Straight Bit Short Series

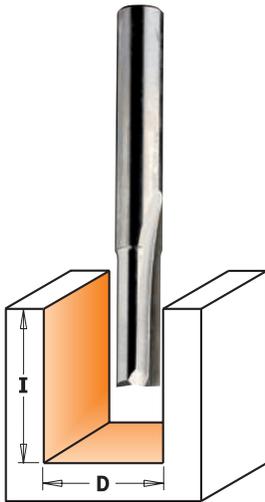


CARBIDE TIPPED SOLID CARBIDE Z2 RH



811

ORDER NO. 1/4" shank	ORDER NO. 1/2" shank		D		I	L	APPLICATION
			inches	mm	inches	inches	
• 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	9.5	3/4	2	
811.096.11		10	3/8	9.5	1	2-1/2	For Incra Jig
	811.595.11	10	3/8	9.5	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	3-1/4	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	
10 pcs. in Masterpack							
811.096.11-X10			3/8	9.5	1	2-1/2	

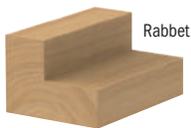


Drawing is 1:1 scale

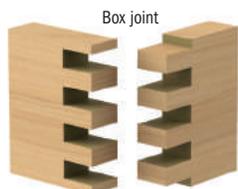


X10 (10 pcs. in Masterpack)

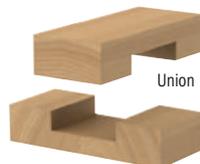
• Solid Carbide
*Z1



Rabbet



Box joint



Union

Biscuit joint using bit #811.040.11



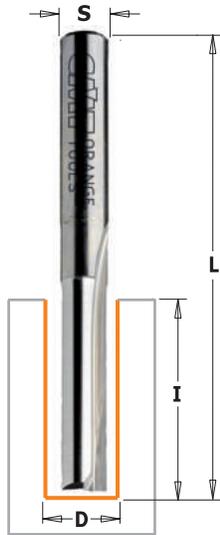
Tongue and groove joint



Mortise and Tenon



Right-angle joint

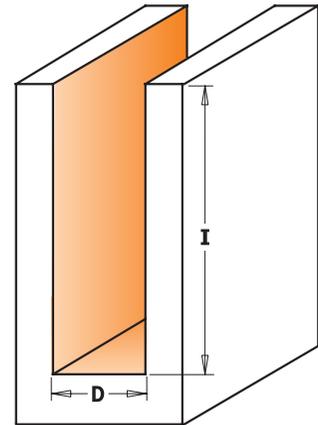


812

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 selection of 62 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 feed speed without forcing the bit. Pay particular attention when making the initial cut with a small diameter bit. When working with small diameter bits, make the cut in several passes.

CARBIDE TIPPED SOLID CARBIDE Z2 RH



X10 (10 pcs. in Masterpack)

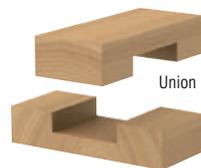


• Solid Carbide

ORDER NO. 1/4" shank	ORDER NO. 1/2" shank		D	I	L	APPLICATION
			inches	mm	inches	inches
• 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	9.5	1-1/4	2-1/2
	812.595.11	10	3/8	9.5	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 <i>For Leigh Jig</i>
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						
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 [Z3]

new	• 812.564.11	10	1/4	6.35	1	2-7/8	<i>For Nesting</i>
new	• 812.581.11	10	5/16	7.94	1-1/4	3	<i>For Nesting</i>



Union



Mortise and Tenon



Right-angle joint

Biscuit joint using bit #811.040.11



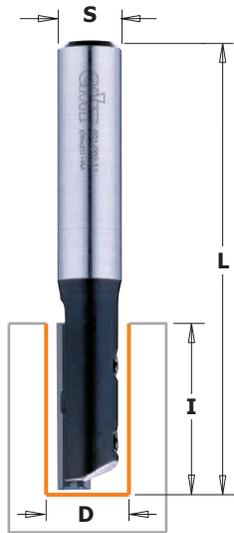
Tongue and groove joint



Z3 812.564.11
812.581.11

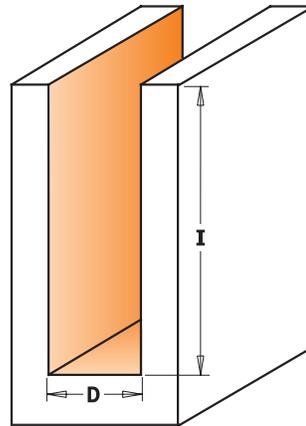
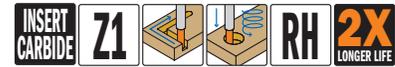


Insert Carbide Straight Bits



651 - 652

Straight router bit with one replaceable mini knife and fixing wedge. Radial and axial groove for better and safe knife insertion. For finishing, routing and grooving in board materials (DTD laminated, MDF and hardwood). For use on portable routers or CNC machining centres.



Drawing is 1:1 scale

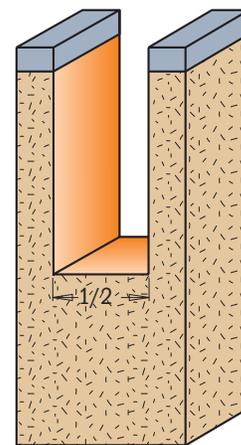
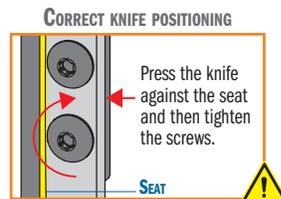
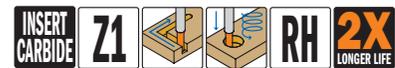
ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	Box	D		I	L	Spare parts			
			inches	mm			790.200.01	651.999.01	990.070.00	991.063.00
651.079.11		10	5/16	7.94	25/32	2-3/8	790.200.01	651.999.01	990.070.00	991.063.00
	651.681.11	10	5/16	7.94	25/32	2-41/64	790.200.01	651.999.01	990.070.00	991.063.00
651.095.11		10	3/8	9.5	1-3/16	2-49/64	790.300.01	651.999.02	990.070.00	991.063.00
	651.695.11	10	3/8	9.5	1-3/16	2-49/64	790.300.01	651.999.02	990.070.00	991.063.00
651.127.11		10	1/2	12.7	1-3/16	3-5/32	790.300.01	651.999.02	990.071.00	991.063.00
	652.628.11	10	1/2	12.7	1-31/32	4-1/16	790.500.01	651.999.03	990.016.00	991.060.00

Insert Carbide Straight Bits for MDF/Laminate



652

Straight trimmer bits with one replaceable knife fixed by a Torx screw. A smart economical solution best suited for specialized applications requiring low downtime. The 29.5x9x1.5mm knives provide a 40mm cutting length by making multiple passes. For routing trimming and grooving on board materials (laminated chipboard, worktop panels and MDF). For use on portable routers.



Drawing is 1:1 scale

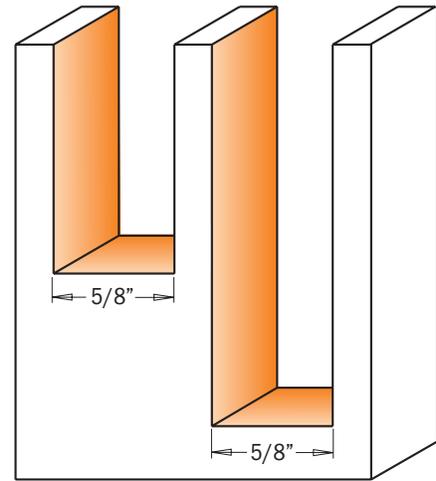
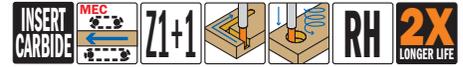
ORDER NO. 1/2" shank	Box	D	I	L	Spare parts			
inches		mm	inches	inches	790.295.09	990.072.00	991.061.00	
652.627.11	10	1/2	12.7	1-5/32	3-1/8	790.295.09	990.072.00	991.061.00

Insert Carbide Straight Plunge Bits

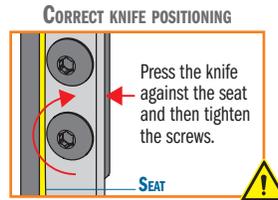


653

Straight router bits with a replaceable plunging knife and side knife fixed by a special Torx screw. The tool bodies are perfectly balanced. For finishing, routing, plunging and grooving on board materials such as laminated chipboards, MDF and hardwood. For use on portable routers or CNC machining centres.



Drawings are 1:1 scale



ORDER NO.	Box	inches	D mm	I inches	L inches
653.158.11	10	5/8	15.87	1-1/8	3-5/8
653.159.11	10	5/8	15.87	1-29/32	4-3/8

Spare parts

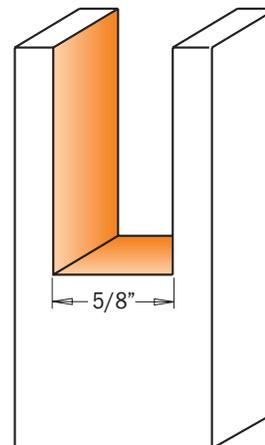
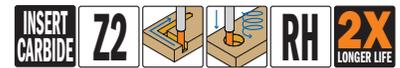
790.283.12	990.074.00	990.075.00	790.075.00	990.072.00	991.061.00
790.483.12	990.074.00	990.075.00	790.075.00	990.072.00	991.061.00

Insert Carbide Straight Bits

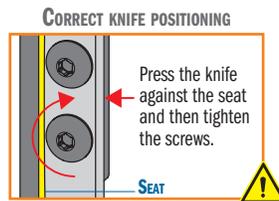


654

Straight router bit with two replaceable knives fixed by special Torx screws. The blades are sharpened at a 3° angle for better plunging operations.



Drawing is 1:1 scale



ORDER NO.	Box	inches	D mm	I inches	L inches
654.661.11	10	5/8	15.87	1-1/8	3-27/64

Spare parts

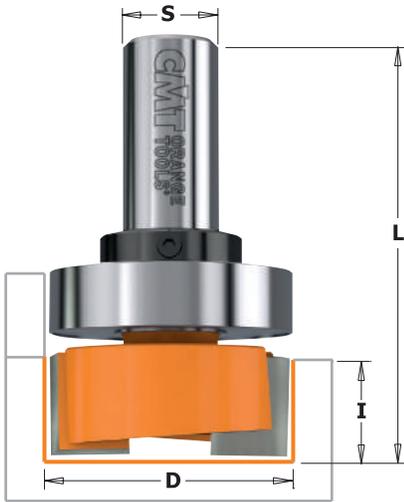
790.283.12	990.073.00	991.061.00

Mortising Bits

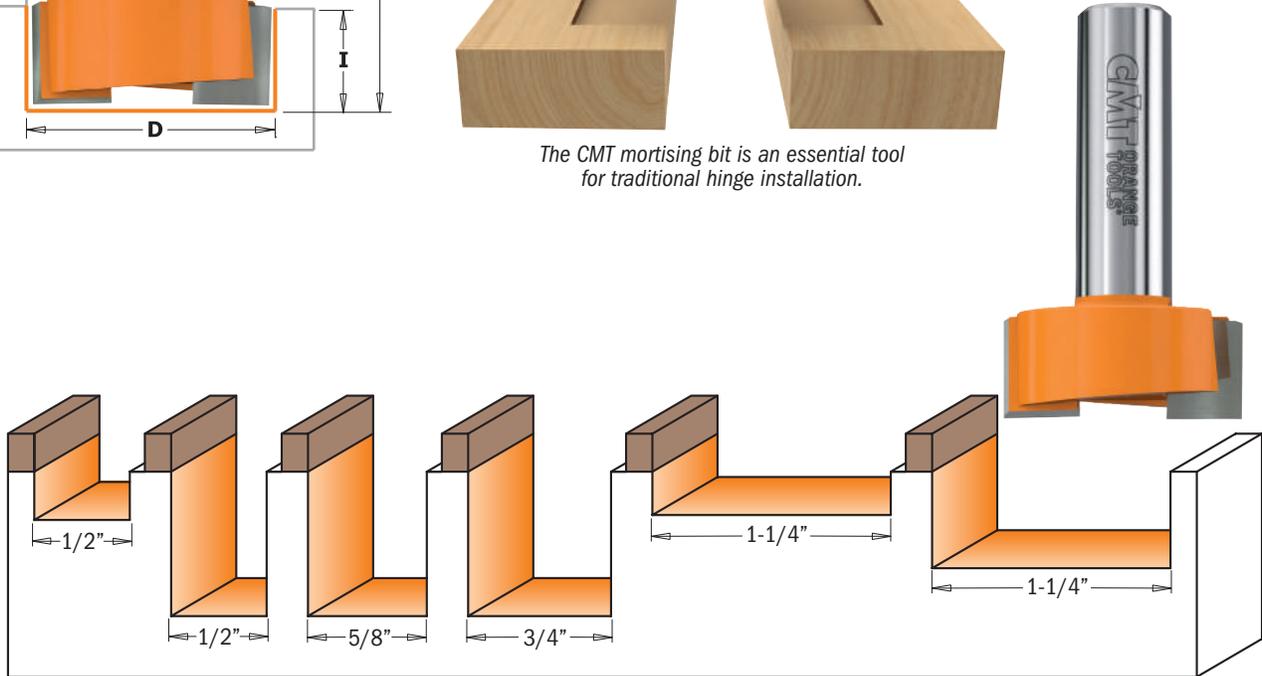


801 - 801B

Equipped with thick carbide tips and negative shear angle design, CMT mortising bits 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.



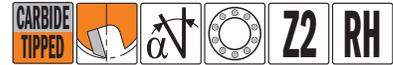
Drawings are 1:1 scale

ORDER NO. 1/4" shank	ORDER NO. 1/2" shank		D		I	L	Spare parts		
			inches	mm	inches	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 guide									
801.128.11B*		10	1/2	12.7	1/4	1-5/8	791.010.00	541.001.00	991.056.00
801.127.11B		10	1/2	12.7	3/4	2-1/8	791.010.00	541.001.00	991.056.00
801.158.11B		10	5/8	15.87	3/4	2-1/4	791.009.00	541.001.00	991.056.00
801.190.11B		10	3/4	19.05	3/4	2-1/8	791.004.00	541.001.00	991.056.00
	801.818.11B	10	1-1/4	31.7	7/32	2-31/64	791.015.00	541.002.00	991.056.00
	801.817.11B	10	1-1/4	31.7	1/2	2-1/8	791.015.00	541.002.00	991.056.00

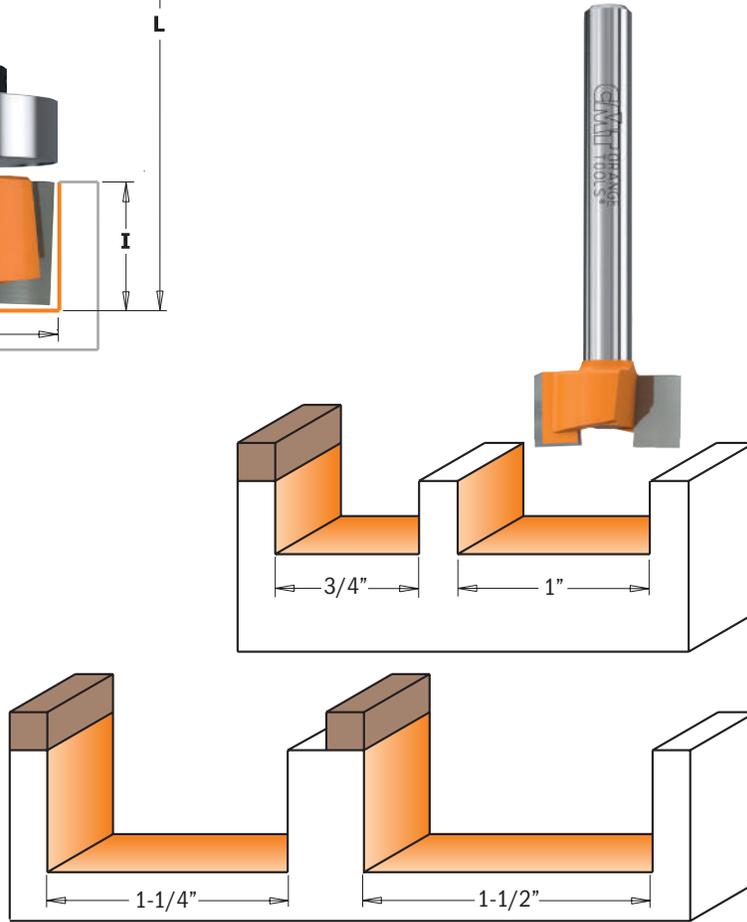
* Bit designed for Dado clean-out. For use on flooring medallions.



852 - 852B



Thick carbide tips and downward shear angle provide exceptional performance and quality. The negative shear angle on the cutting edges push the wood fibers down as they cut. This means perfect hinge mortises, no splintered edges or rough bottoms. Mortising is easy on both natural wood and wood composites. Our bits fit the most popular mortising jigs.



Drawings are 1:1 scale

ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	Box	D		I inches	L inches	Spare parts		
			inches	mm			Washer	Washer	Hex Key
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			
<i>with top bearing guide</i>									
852.001.11B		10	3/4	19.05	3/8	2-1/4	791.004.00	541.001.00	991.056.00
	852.501.11B	10	3/4	19.05	3/8	2-1/2	791.011.00	541.002.00	991.056.00
	852.503.11B	10	1-1/4	31.7	5/8	2-3/4	791.015.00	541.002.00	991.056.00
	852.504.11B	10	1-1/2	38.1	5/8	2-3/4	791.020.00	541.002.00	991.056.00



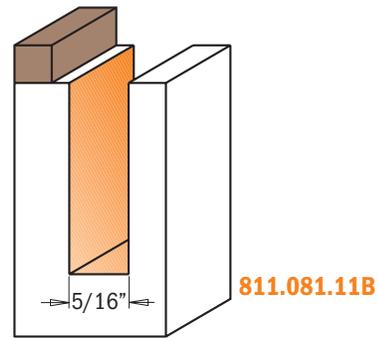
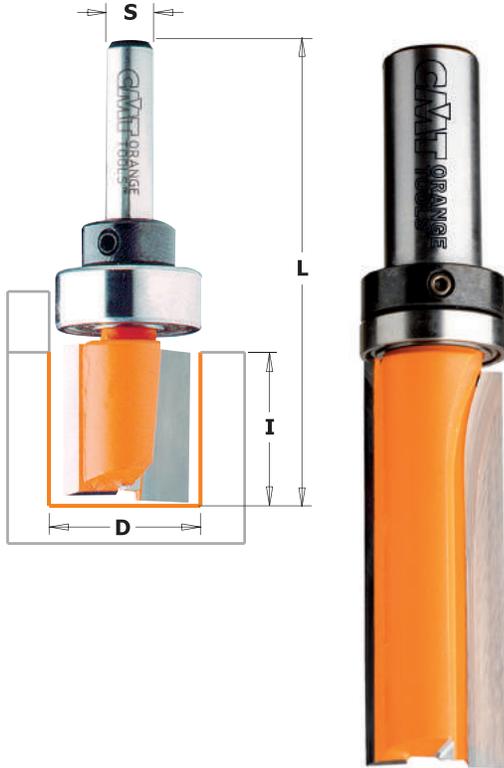
811B - 812B

Whether you're a full-time professional woodworker or part-time woodworking enthusiast, the CMT pattern bit is a valuable tool providing unlimited template routing possibilities. Pair up these double-fluted bits with a template of your choice and produce distinctive cabinets, furniture pieces, signs, toys and personalize any other creative project.

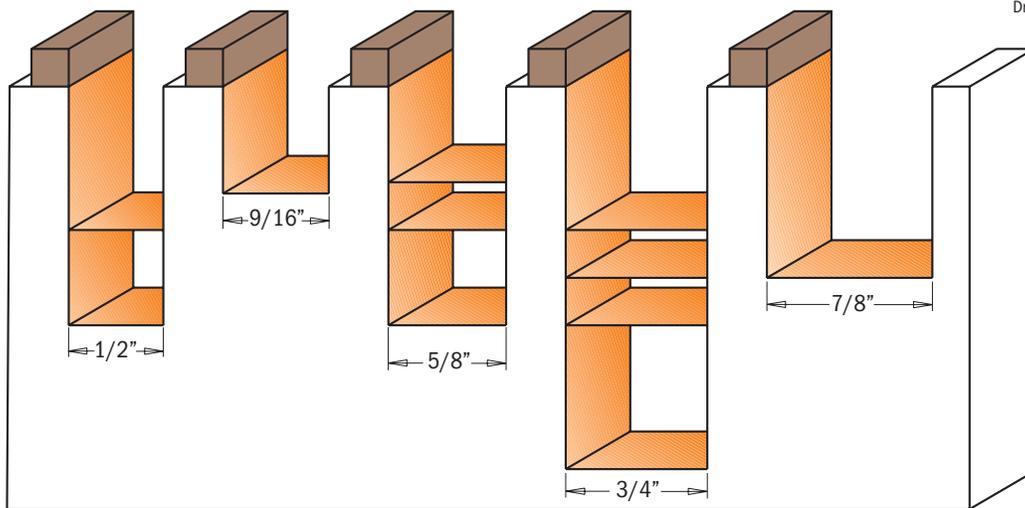
Carbide tipped for long lasting performance, CMT pattern bits are also equipped with a top bearing providing you with a clear view throughout the routing process so you can work confidently and accurately.

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.



Drawings are 1:1 scale



ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	Box	D		I inches	L inches	Spare parts		
			inches	mm			Bearing	Top bearing	Hex key
811.081.11B**		10	5/16	7.94	1	2-3/4	791.010.00	541.001.00	991.056.00
811.127.11B		10	1/2	12.7	3/4	2-1/4	791.010.00	541.001.00	991.056.00
811.142.11B		10	9/16	14.2	9/16	2-1/4	791.009.00	541.001.00	991.056.00
811.159.11B		10	5/8	15.87	1/2	2-9/32	791.009.00	541.001.00	991.056.00
811.158.11B		10	5/8	15.87	3/4	2-5/8	791.009.00	541.001.00	991.056.00
811.191.11B		10	3/4	19	3/4	2-1/4	791.004.00	541.001.00	991.056.00
	811.690.11B	10	3/4	19	1	2-1/2	791.011.00	541.002.00	991.056.00
	811.222.11B*	10	7/8	22.2	1	2-5/8	791.021.00	541.006.00	991.056.00
812.127.11B		10	1/2	12.7	1-1/4	2-3/4	791.010.00	541.001.00	991.056.00
812.158.11B		10	5/8	15.87	1-1/4	2-3/4	791.009.00	541.001.00	991.056.00
	812.690.11B	10	3/4	19.05	1-1/2	3-1/4	791.011.00	541.002.00	991.056.00
	812.691.11B	10	3/4	19.05	2	3-5/8	791.011.00	541.002.00	991.056.00

** Large bearing

* Shank 3/8" with bushing 3/8" - 1/2"

Insert Carbide Pattern Bit for MDF/Laminate

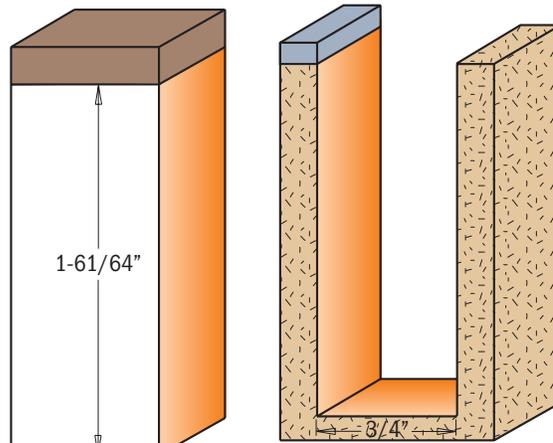
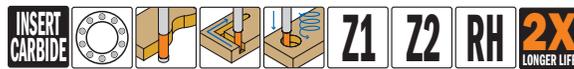
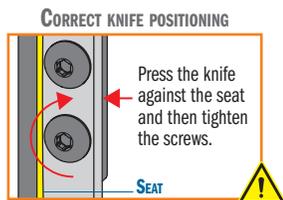


652B

Straight router bits with a replaceable knife fixed by a Torx screw. An economical solution for specialized applications requiring low downtime. They are equipped with top bearing for template use. For routing, trimming and grooving in board materials (laminated chipboards, worktop panels, MDF). For use on portable routers.

652.691.11B [Z1]

652.787.11B [Z2]



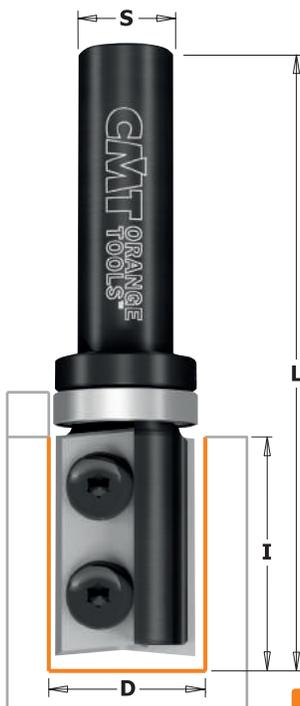
Drawings are 1:1 scale

*Z2

ORDER NO. 1/2" shank	Box	D		I	L	Spare parts			
		inches	mm			652.691.11B	652.787.11B*	990.072.00	991.061.00
652.691.11B	10	3/4	19.05	1-61/64	3-61/64	790.495.09	990.072.00	991.061.00	791.011.00
652.787.11B*	10	1-1/8	28.6	1-61/64	3-61/64	790.495.09	990.076.00	991.061.00	791.027.00

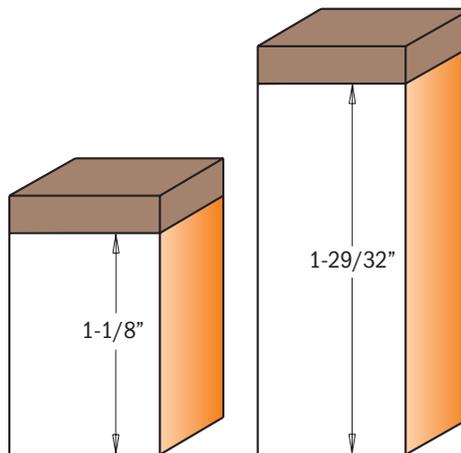
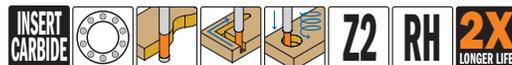
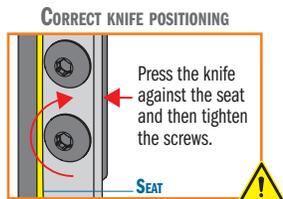
Spare parts 541.002.00 Ø1/2" stop collar
991.056.00 1.5mm hex key

Insert Carbide Pattern Bits



656

This bit type is equipped with a top bearing for template use. For finishing, routing and grooving in board materials (laminated chipboards, MDF) and hardwood. For use on portable routers or CNC machining centres.

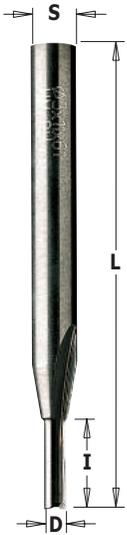


Drawings are 1:1 scale

ORDER NO. 1/2" shank	Box	D		I	L	Spare parts			
		inches	mm			656.691.11	656.693.11	990.075.00	991.061.00
656.691.11	10	3/4	19.05	1-1/8	3-1/8	790.283.12	990.075.00	991.061.00	791.011.00
656.693.11	10	3/4	19.05	1-29/32	3-15/16	790.483.12	990.075.00	991.061.00	791.011.00

Spare parts 541.002.00 Ø1/2" stop collar
991.056.00 1.5mm hex key

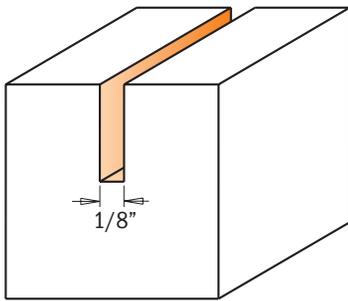
Weatherseal Bits



812.032

SOLID CARBIDE Z2 RH

Make your house more energy efficient by insulating old doors and windows. A CMT Weatherseal bit is the perfect bit to re-groove door and window frames to accommodate wind blocking inserts. Made of solid carbide for strength and endurance.



Drawing is 1:1 scale

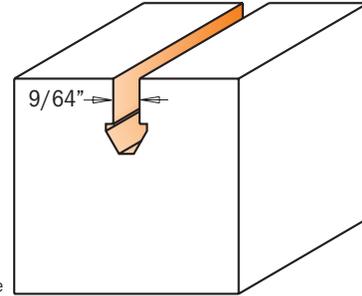
ORDER NO.	1/4" shank	D	I	L
		inches	mm	inches
812.032.11	10	1/8	3.2	1/2



813.001

SOLID CARBIDE Z2 RH

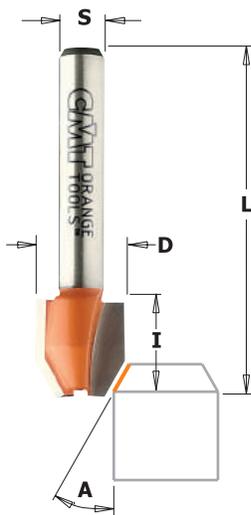
Make your house more energy efficient by insulating old doors and windows. A CMT Weatherseal bit is the perfect bit to re-groove door and window frames to accommodate wind blocking inserts. Made of solid carbide for strength and endurance.



Drawing is 1:1 scale

ORDER NO.	1/4" shank	D	I	L
		inches	mm	inches
813.001.11	10	9/64	3.5	5/16

Combination Trimmer Bits

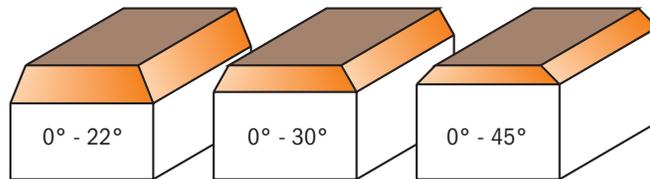


821

CARBIDE TIPPED Z2 αV 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.

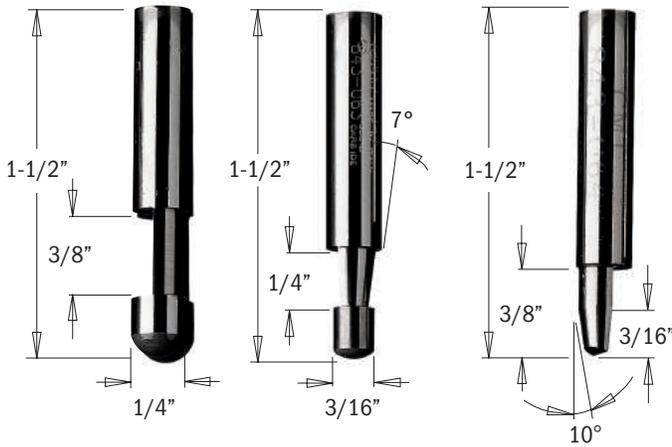
Notice: these bits must be used with an edge, separate guide or fence.



Drawings are 1:1 scale

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

Combination Trimmer Bits



842.095

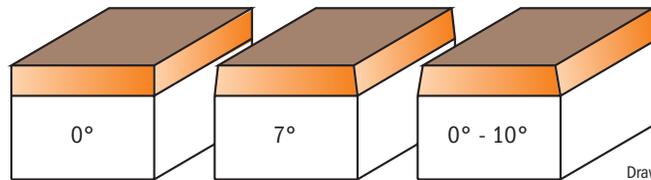
843.063

843.064

842 - 843



An economical version of our Combination Trimmer Bits, these Solid Carbide Trimmer Bits give you quick, clean, straight or bevel edges. With its self pilot end and radial relief cutting edge you can make flush or 7° bevel cuts. For more versatility, choose the combination flush 0°-10° bit. Popular for their long life, they are a great choice for laminate work.



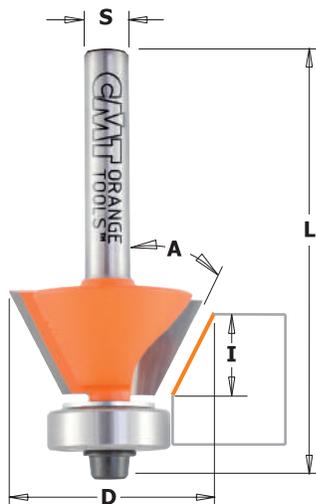
Drawings are 1:1 scale

ORDER NO. 1/4" shank		A	D		I	L
			inches	mm	inches	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)

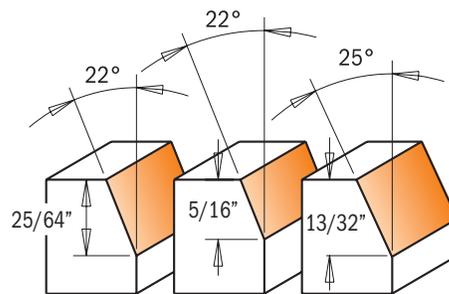
Combination Trimmer Bits



809



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.



Drawings are 1:1 scale

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

Spare parts



791.035.00	990.062.00	991.057.00
990.422.00	791.002.00	990.058.00
990.422.00	791.002.00	990.058.00

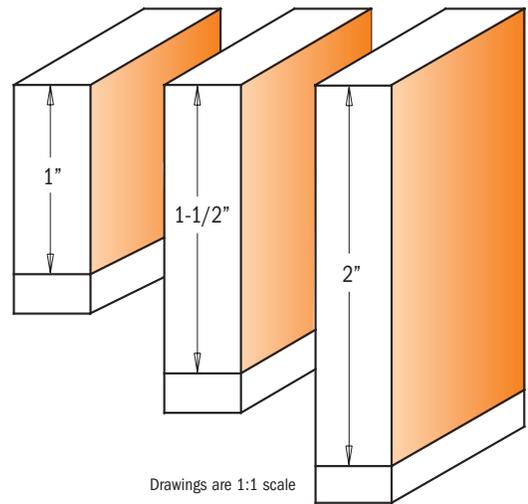
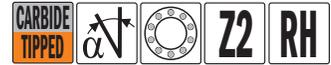
Super-Duty Flush Trim Bits



806

These new super duty bits represent the finest in the extensive line of CMT flush trim bits with ball bearing guides. A negative shear angle cutting edge and 19mm cutting diameter set CMT flush trim bits apart from standard bits. Work quickly and safely to get superior finishing with absolute minimal chipping.

SAFETY TIPS: dust and chips from laminate materials are hazardous to your health and safety. Always wear the appropriate protective safety equipment to eliminate the risk of injury to eyes and prevent exposure to respiratory irritants.

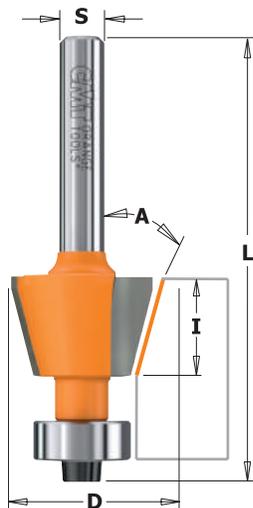


Drawings are 1:1 scale



ORDER NO. 1/4" shank	ORDER NO. 1/2" shank		I inches	I mm	D inches	L inches	α	Spare parts							
806.191.11			1	25.4	3/4	2-29/32	-5°					791.004.00	541.550.00	990.058.00	991.057.00
	806.691.11		1	25.4	3/4	3-13/32	-5°					791.004.00	541.550.00	990.058.00	991.057.00
	806.692.11		1-1/2	38.1	3/4	3-21/32	-3°					791.004.00	541.550.00	990.058.00	991.057.00
	806.690.11		2	50.8	3/4	4-5/16	-3°					791.004.00	541.550.00	990.058.00	991.057.00

Non-Blocking Combination Trimmer Bit

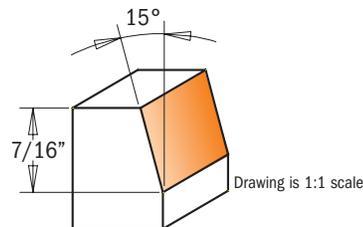
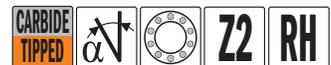


809

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**

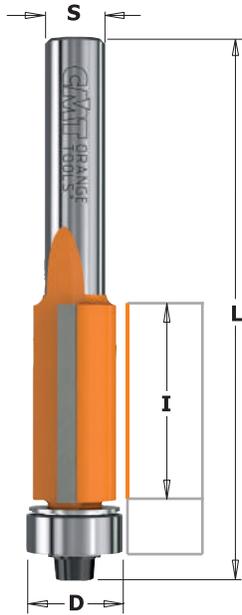
Delrin®'s anti-stick properties greatly reduce the likelihood of freezing from glue and prevent scratching, unlike the traditional steel bearing.



Drawing is 1:1 scale

ORDER NO. 1/4" shank		A	D inches	D mm	I inches	L inches	Spare parts							
809.016.11		15°	47/64	18.6	7/16	2-1/4					990.422.00	791.044.00	990.058.00	991.057.00

Flush Trim Bits

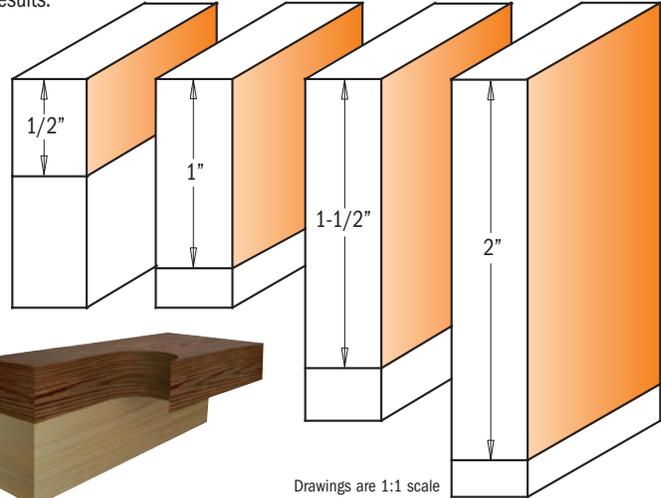


806

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 woodworking need. Use these carbide tipped bits for precision work on laminates or for quick template work with excellent finish results.



X10 (10 pcs. in Masterpack)



Drawings are 1:1 scale

Spare parts



ORDER NO. 1/4" shank	ORDER NO. 1/2" shank		I inches	mm	D inches	L inches	α					
• 806.064.11		10	1	25.4	1/4	2-1/2	0°	791.035.00		990.113.00	991.055.00	541.009.00
806.096.11		10	1/2	12.7	3/8	2-3/16	0°	791.002.00	990.422.00	990.058.00	991.057.00	
806.128.11		10	1/2	12.7	1/2	2-9/32	-5°	791.003.00	990.423.00	990.058.00	991.057.00	
	806.628.11	10	1/2	12.7	1/2	2-25/32	-5°	791.003.00	990.423.00	990.058.00	991.057.00	
806.095.11		10	1	25.4	3/8	2-11/16	0°	791.002.00	990.422.00	990.058.00	991.057.00	
806.127.11		10	1	25.4	1/2	2-25/32	-3°	791.003.00	990.423.00	990.058.00	991.057.00	
	806.627.11	10	1	25.4	1/2	3-13/32	0°	791.003.00	990.423.00	990.058.00	991.057.00	
	806.629.11	10	1-1/2	38.1	1/2	3-45/64	0°	791.003.00	990.423.00	990.058.00	991.057.00	
	806.630.11	10	2	50.8	1/2	4-3/32	0°	791.003.00	990.423.00	990.058.00	991.057.00	
10 pcs. in Masterpack												
new 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°					
	806.627.11-X10		1	25.4	1/2	3-13/32	0°					

• Solid Carbide

SHOP TIPS: oversized bearing to use after resharpening.

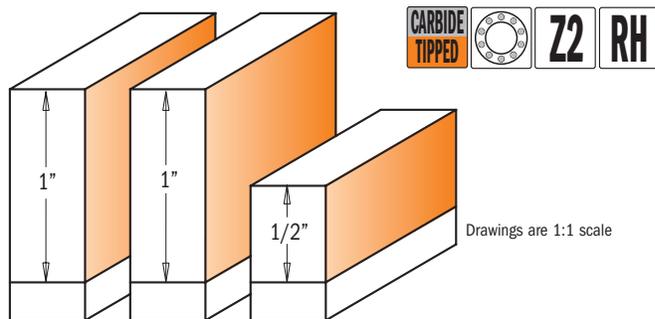
791.062.00 Ø9,3 replace bearing 791.002.00 (Ø9,5) after resharpening

791.063.00 Ø12,5 replace bearing 791.003.00 (Ø12,7) after resharpening

Flush Trim Bit Set



A definite asset in any workshop! This set allows you the option to trim laminates or carry out template work. Individual bits are listed below.

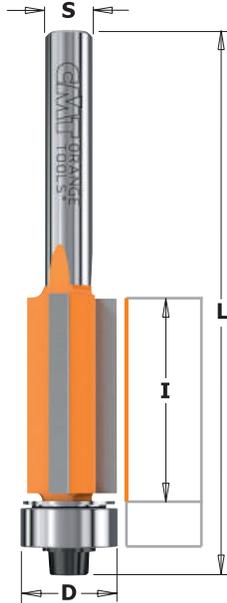


Drawings are 1:1 scale

806.001.11 3 piece Flush Trim Bit Set 1/4" shank

SET CONTAINS	ORDER NO. 1/4" shank	D inches	mm	I inches	L inches
Flush Trim bit	806.095.11	3/8	9.5	1	2-11/16
Flush Trim bit	806.096.11	3/8	9.5	1/2	2-3/16
Flush Trim bit	806.191.11	3/4	19.05	1	2-59/64

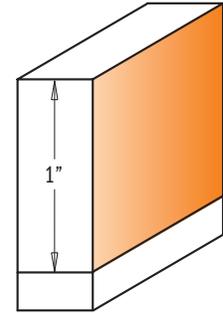
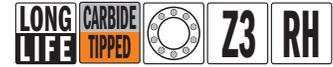
3-Flute Super-Duty Flush Trim Bit



806

We have designed an indispensable 3-flute flush trim bit for your woodworking needs and your most difficult projects. For precision work and longer lifetime on laminates or quick template work with excellent finishing.

SHOP TIPS: after resharpening, use an undersized bearing.
791.063.00 Ø12.5mm replace bearing 791.003.00 (Ø12.7mm) after resharpening



Drawing is 1:1 scale

ORDER NO.	1/4" shank	I	D	L
806.227.11	10	1 inches 25.4 mm	1/2 inches	2-25/32 inches

Spare parts

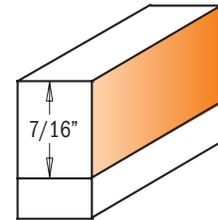
990.423.00	791.003.00	990.058.00	991.057.00

Diamond Flush Trim Bit for MDF/Laminate



806 XTREME

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.



Drawing is 1:1 scale

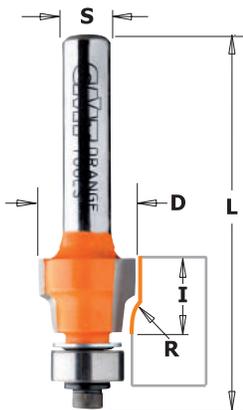
SHOP TIPS: after resharpening, use an undersized bearing.
791.063.00 Ø12.5mm replace bearing 791.003.00 (Ø12.7mm) after resharpening

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

Spare parts

990.423.00	791.003.00	990.058.00	991.057.00

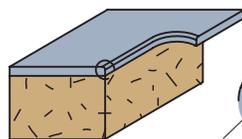
FILE-FREE Flush Trim Bits for Laminate



807

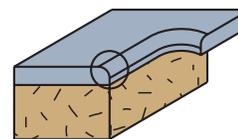
This bit is perfect for ensuring smooth flawless results on your laminate surfaces after flush trimming. Sharp edges are easily trimmed away, leaving your surfaces nice and smooth to the touch. No further filing is needed!

SHOP TIPS: after resharpening, use an undersized bearing.
791.062.00 Ø9.3mm replace bearing 791.002.00 (Ø9.5mm) after resharpening



R 1/64"

Drawing is 1:1 scale



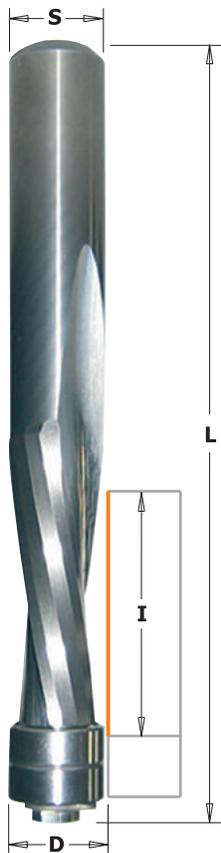
R 1/16"

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

Spare parts

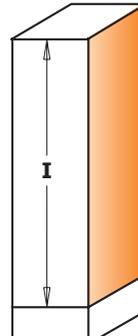
990.422.00	791.002.00	990.058.00	991.057.00

Double-Bearing Spiral Flush Trim Bits

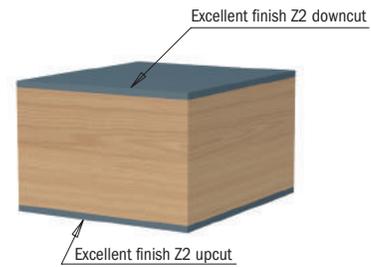


190B - 191B - 192B

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.

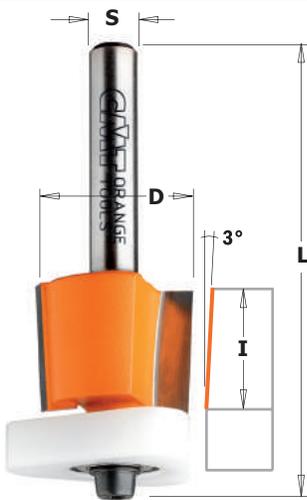


Drawing is 1:1 scale



ORDER NO. 1/4" shank	ORDER NO. 1/2" shank		D	I	L	Spare parts		
			inches	mm	inches			
2+2-Edge Upcut & Downcut								
	190.508.11B	10	1/2	12.7	1-5/8	4-1/2	791.010.00	541.301.00
2-Edge Upcut								
191.008.11B		10	1/4	6.35	1	3	791.035.00	541.009.00
	191.505.11B	10	1/2	12.7	1-1/4	3-1/2	791.010.00	541.301.00
	191.507.11B	10	1/2	12.7	2	4-1/2	791.010.00	541.301.00
2-Edge Downcut								
192.008.11B		10	1/4	6.35	1	3	791.035.00	541.009.00
	192.505.11B	10	1/2	12.7	1-1/4	3-1/2	791.010.00	541.301.00
	192.507.11B	10	1/2	12.7	2	4-1/2	791.010.00	541.301.00

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

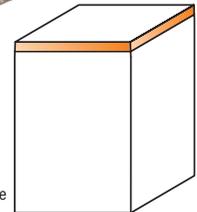
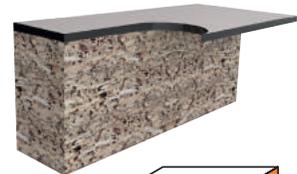


807

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 significantly reduce the likelihood of freezing from adhesive build up.
- 2) The Delrin® bearing features an extended guide surface which perfectly matches the work surface. This means no scratching or marring and maximum stability.
- 3) The shear angle cutting edge reduces the need for filing.

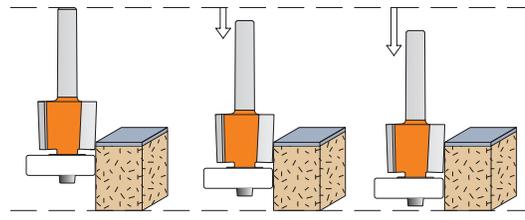
3-in-1 bits are ideal on plastic and aluminum laminates!



Drawing is 1:1 scale

PERFECT TRIMMING WITH CONICAL EDGES!

Innovative conical edges featured on this bit guarantee precision cuts, even after re-sharpening. The most common problem with standard flush trim bits after sharpening is an undersized diameter. This tends to leave marks on the material. The new CMT construction means this bit can be sharpened up to six times and your workpiece remains mark-free. Simply adjust your bit up or down as per the illustration.



Patent No. D628,218

- Extended guide surface
- Non-freezing
- Non-scratch surface

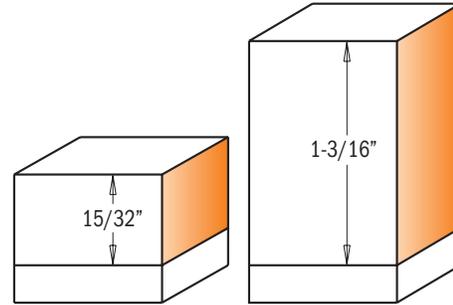
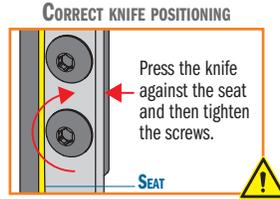
ORDER NO. 1/4" shank	ORDER NO. 1/2" shank		I	D	L	Spare parts				
			inches	mm	inches					
807.128.11		10	1/2	12.7	1/2	2-9/64	990.422.00	791.042.00	990.058.00	991.057.00
807.190.11		10	5/8	15.87	3/4	2-11/32	990.423.00	791.043.00	990.058.00	991.057.00
	807.690.11	10	5/8	15.87	3/4	2-19/32	990.423.00	791.043.00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

Insert Carbide Flush Trim Bits



657

This flush trim bit features two replaceable knives fixed by special Torx screws. Blades are sharpened on 2 or 4 sides providing three extra new edges. Equipped with ball bearing guides.



Drawings are 1:1 scale

ORDER NO. 1/4" shank	ORDER NO. 1/2" shank		D inches	mm	I inches	L inches	Spare parts							
657.192.11		10	3/4	19.05	15/32	2-1/4	790.120.00	990.075.00	991.061.00	791.007.00				
	657.692.11	10	3/4	19.05	1-3/16	3-23/64	790.300.00	990.075.00	991.061.00	791.007.00				
	657.692.11B	10	3/4	19.05	1-3/16	1-35/64	790.300.00	990.075.00	991.061.00	791.007.00				

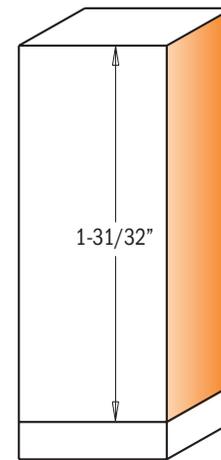
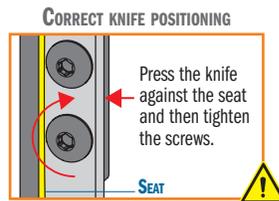
Spare parts 990.410.00 Shield Ø4.2/Ø9 for screw M4 991.067.00 Hex key 3mm 990.052.00 Screw TCEI M4x6mm



Insert Carbide Flush Trim Bits

657.9

This flush trim bit features two replaceable knives fixed by special Torx screws. The blades are sharpened on 2 or 4 sides rendering three extra new edges. Equipped with double ball bearing guides.

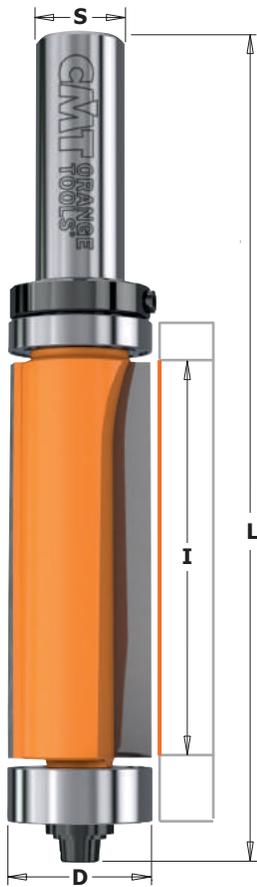


Drawing is 1:1 scale

ORDER NO. 1/2" shank		D inches	mm	I inches	L inches	Spare parts							
657.992.11	10	3/4	19.05	1-31/32	4-13/32	790.500.00	990.075.00	991.061.00	791.007.00				

Spare parts 990.410.00 Shield Ø4.2/Ø9 for screw M4 990.052.00 Screw TCEI M4x6mm 991.067.00 Hex key 3mm 541.514.00 Shield Ø6.4mm

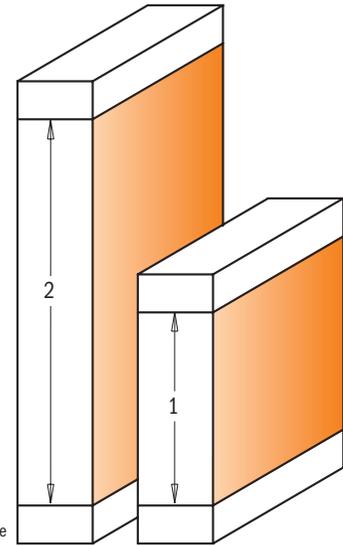
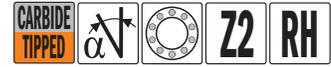
Flush Trim Bits with Double Bearing



806.6B

The innovative two-flute router bits are equipped with a double bearing and feature a down shear design allowing cleaner, smoother cuts on a variety of materials.

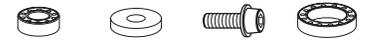
Now it's no longer necessary to flip or move your tool during routing operations. This tool is particularly effective when routing curved elements along or against the grain.



Drawings are 1:1 scale

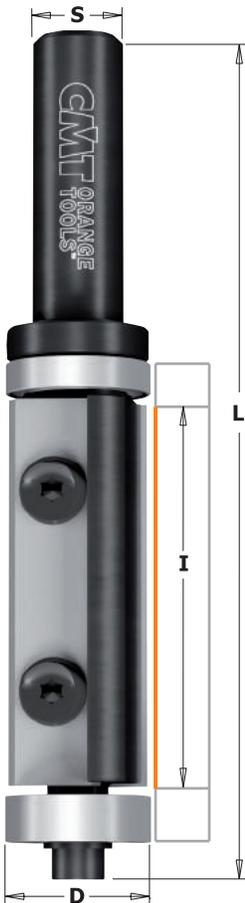
ORDER NO. 1/2" shank		I	D	L	α	
		inches	mm	inches		
806.691.11B	10	1	25.4	3/4	3-13/32	-5°
806.690.11B	10	2	50.8	3/4	4-5/16	-3°

Spare parts



Spare parts	541.002.00	Stop collar for Ø1/2" shank
	991.056.00	1.5mm hex key
	991.057.00	3/32" hex key

791.004.00	541.550.00	990.058.00	791.011.00
791.004.00	541.550.00	990.058.00	791.011.00



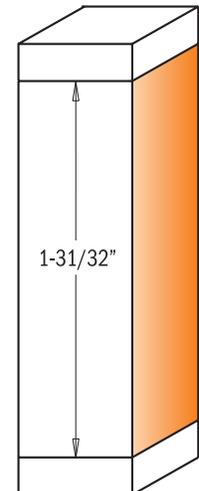
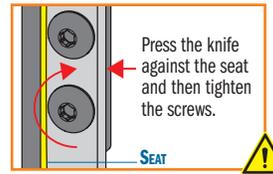
Insert Carbide Flush Trim Bits

657B

Combined with a pattern bit, this flush trim bit is fixed with Torx screws. Blades are sharpened on both sides and can provide extra new edges. Equipped with top and bottom ball bearing guides. Recommended for flush and finishing operations.



CORRECT KNIFE POSITIONING



Drawing is 1:1 scale

ORDER NO. 1/2" shank		I	D	L	
		inches	mm	inches	
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



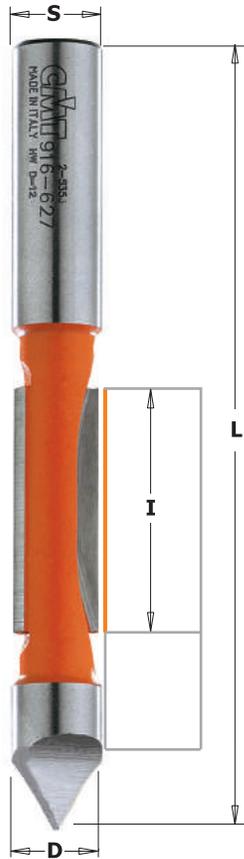
new

Spare parts	541.002.00	Stop collar for Ø1/2" shank
	990.410.00	Shield Ø4.2/Ø9 for M4 screws
	991.061.00	T15 Torx key

790.500.00	990.075.00	791.007.00	990.052.00	791.011.00
790.600.00	990.075.00	791.007.00	990.052.00	791.011.00

991.067.00	3mm hex key
991.056.00	1.5mm hex key

Panel Pilot Bits with Guide



816



Tired of spending countless hours making openings in paneling, drywall, siding, doors or windows? With the CMT panel pilot bit, the job just got quicker. The point plunges smoothly and easily and the carbide edges cut clean and fast. This adds up to accurate cuts in less time and with less effort.

Great for trimming veneer as well as a variety of laminates and HPL panels such as Formica®, Wilsonart®, Weiss®, FunderMax®.

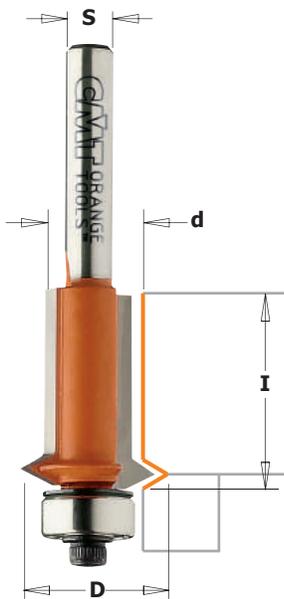
SAFETY TIPS: always use extra caution when working near electrical outlets and boxes. Always turn off the main power. Make sure the bit does not go so deep as to cut the wires.



X10 (10 pcs. in Masterpack)

ORDER NO. 1/4" shank	ORDER NO. 1/2" shank		D		I	L	T
			inches	mm	inches	inches	
816.064.11		10	1/4	6.35	3/4	2-1/2	1
816.095.11		10	3/8	9.53	1	3-1/16	2
	816.627.11	10	1/2	12.7	1-1/4	4	2
10 pcs. in Masterpack							
	816.627.11-X10		1/2	12.7	1-1/4	4	2

Flush & V-Groove Bits

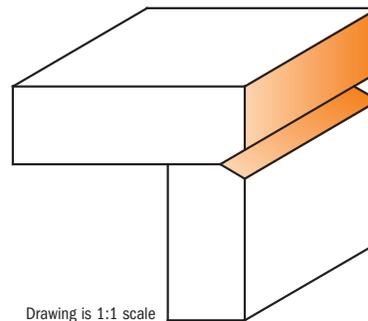


853



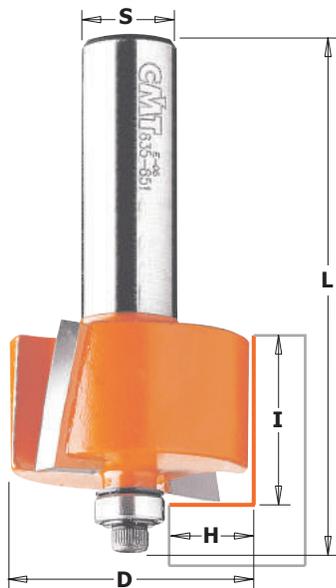
An absolutely indispensable bit for making cabinets. CMT Flush and V-Groove bits allow you to make cabinet front frames in 25mm stock that fit perfectly with the sides. The added V-cutter feature makes a decorative groove along the hinge joint to hide the seam.

SHOP TIPS: For best results, leave less than 3mm overhang on cabinet front frames for easier routing.



ORDER NO. 1/4" shank	ORDER NO. 1/2" shank		d	D	I	L	Spare parts				
			inches	mm	inches	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	990.423.00	791.003.00	990.058.00	991.057.00
								990.423.00	791.003.00	990.058.00	991.057.00

Rabbeting Bits

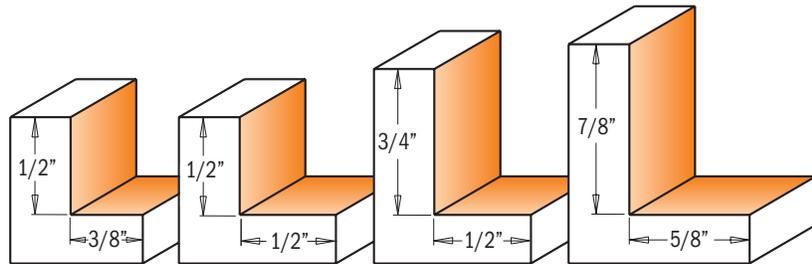


835

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.

You can even re-groove old window frames to fit insulated glass panes with the extra long CMT 3/4" rabbeting bit.

Other possibilities are illustrated below and on the following pages. Look at our slot cutters and round over bits for ideas on how to put extra finishing touches on all your grooving and rabbeting projects.



Drawings are 1:1 scale

ORDER NO. 1/4" shank	ORDER NO. 1/2" shank		H inches	H mm	D inches	I inches	L inches
835.317.11		10	3/8	9.5	1-1/4	1/2	2-5/16
	835.817.11	10	3/8	9.5	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 799.503.00 3/4" collar (for 835.990.11)
541.514.00 2mm spacer (835.990.11)

Rabbeting Sets



835

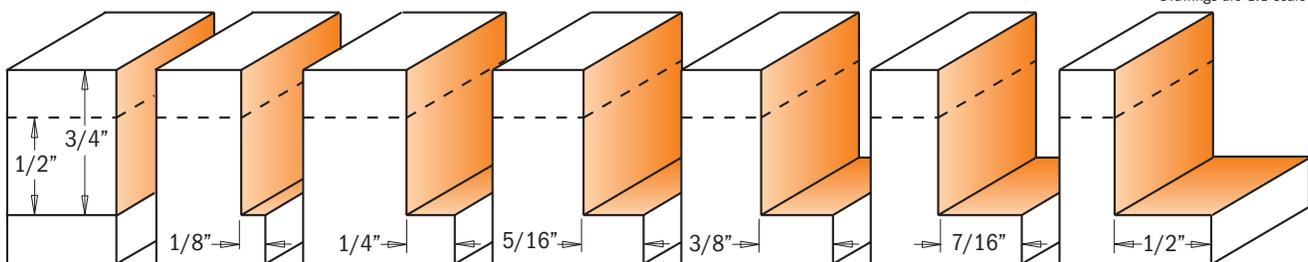
Get seven different rabbets from one bit - and all for just a little more than the cost of the bit itself. Each set includes one bit and six bearings.



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. Each set comes complete with one rabbeting bit and six interchangeable ball bearing guides.

ORDER NO. 1/4" shank	ORDER NO. 1/2" shank		H inches	H mm	D inches	I inches
835.001.11	835.501.11	5	1/8 to 1/2	3.2 - 12.7	1-3/8	1/2
	835.502.11	5	1/8 to 1/2	3.2 - 12.7	1-3/8	3/4

Drawings are 1:1 scale



Grand Rabbet Set



"The Grand Rabbet" set is an investment that shows your commitment to quality. This product will deliver years of reliable service under normal use. For safe, trouble-free results be sure to observe the instructions and recommended safety precautions.

The complete kit (item code 835-935.503.11), will enable you to produce 17 different rabbet sizes including rabbets for under-sized plywood applications. For rabbet sizes over 12,7mm (1/2"), make the cuts in several shallow passes until the desired depth is achieved.



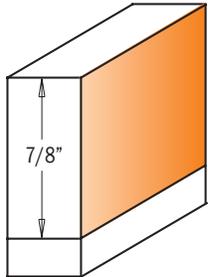
835.990



835.503.11 CMT Grand Rabbet Set

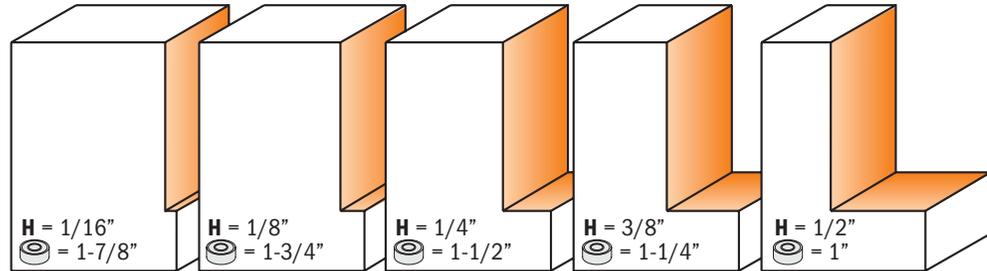
1/2" shank

SET CONTAINS	ORDER NO.	H		D	I
		inches	mm	inches	inches
Rabbeting bit	835.990.11	5/8	15.87	2	7/8
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				

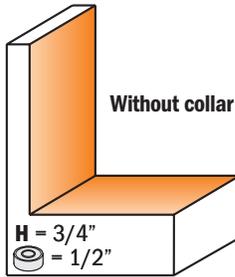


2" collar for Flush Trim
799.517.00

Order No. 791.705.00

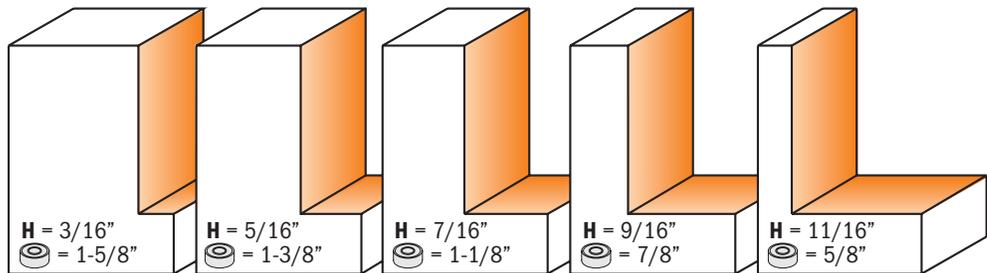


Order No. 791.706.00

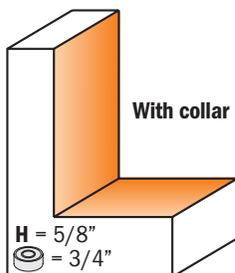


Without collar

H = 3/4"
= 1/2"

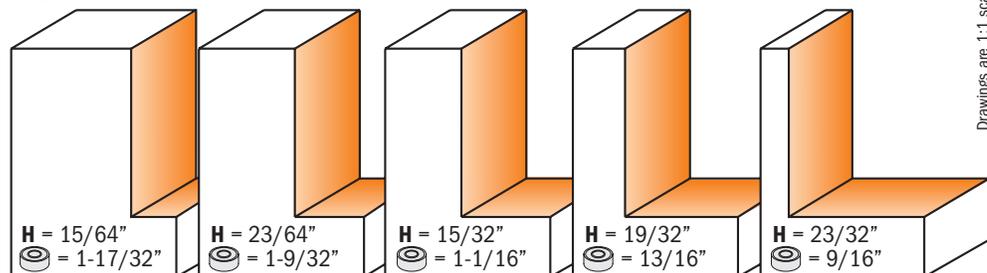


Order No. 791.707.00



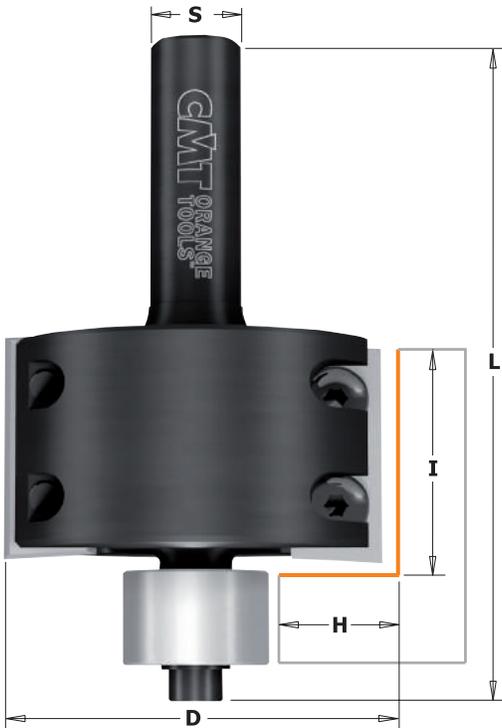
With collar

H = 5/8"
= 3/4"



Drawings are 1:1 scale

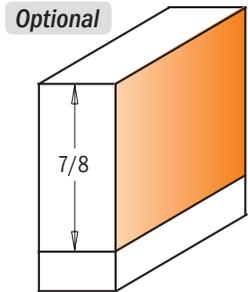
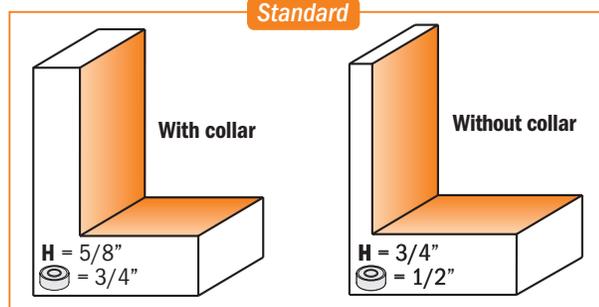
Insert Carbide Grand Rabbeting Bit



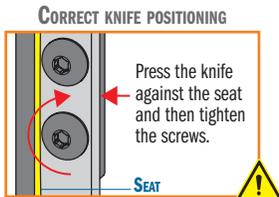
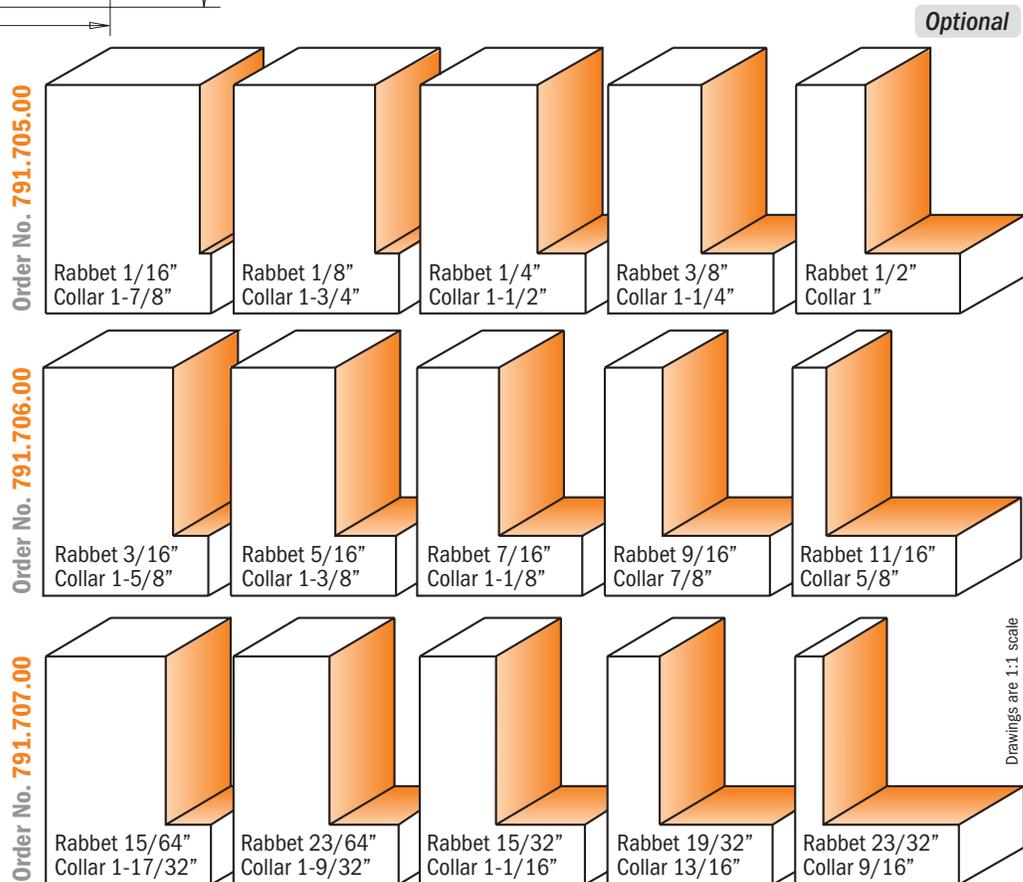
660.9



"The Grand Rabbet" bit is an investment that shows your commitment to quality. This product will perform reliably for years under normal working conditions. The collar sets (791.705.00-791.706.00-791.707.00) 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.



2" collar for Flush Trim
799.517.00



ORDER NO.
1/2" shank



H	D	I	L
inches	mm	inches	inches
5/8	15.87	2	1-1/8

Spare parts



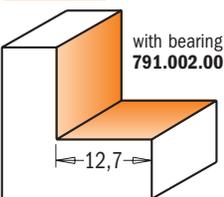
660.991.11	10	5/8	15.87	2	1-1/8	3-3/8	790.283.12	990.075.00	991.061.00	791.010.00
Spare parts	541.514.00	Stop collar Ø6.4mm					Optional 799.517.00	Collar for flush trim Ø50.8mm		
	799.503.00	Bushings Ø19.05mm					791.705.00	5 pcs. collar set (1.6-3.2-6.35-9.5-12.7mm rabbets)		
	990.410.00	Shield Ø4.2/Ø9 for screw M4					791.706.00	5 pcs. collar set (4.7-8-11.1-14.3-17.5mm rabbets)		
	990.052.00	Screw TCEI M4x6mm					791.707.00	5 pcs. collar set (6-9.1-11.9-15-18.2mm rabbets)		
	991.067.00	Hex key 3mm								
	990.469.00	Kit screw, shield and key								

Drawings are 1:1 scale

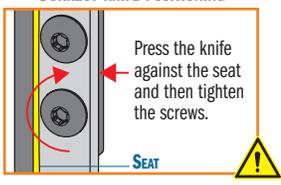
Insert Carbide Rabbeting Bits



Standard



CORRECT KNIFE POSITIONING



660



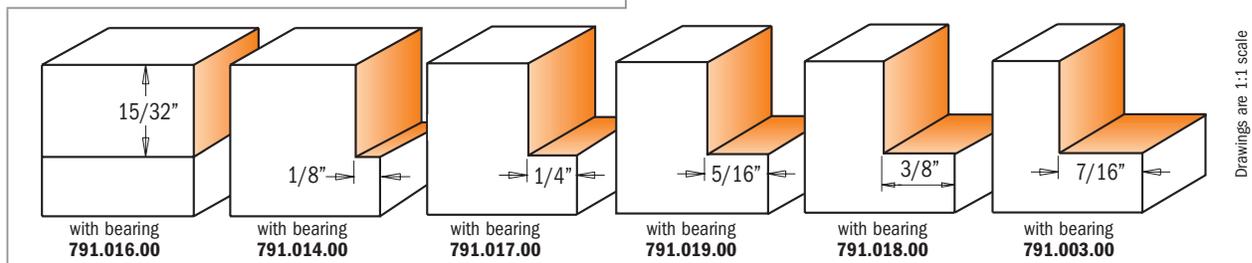
Rabbeting bits with two replaceable knives fixed by special Torx screws. The knives are sharpened on all 4 sides and increase efficiency when working with board materials. Rabbeting bits are equipped with ball bearing guides for rabbeting width H= 12,7mm. For chipboards, hardwood or MDF; for use on portable routers.

791.703.00

Optional



With this kit **791.703.00** you can obtain all cutting depth below.



Drawings are 1:1 scale

ORDER NO. 1/4" shank	ORDER NO. 1/2" shank		H		D	I	L	Spare parts		
			inches	mm	inches	inches	inches			
660.351.11		10	1/2	12.7	1-3/8	15/32	2-1/8	790.120.00	990.075.00	991.061.00
	660.851.11	10	1/2	12.7	1-3/8	15/32	2-33/64	790.120.00	990.075.00	991.061.00

Spare parts

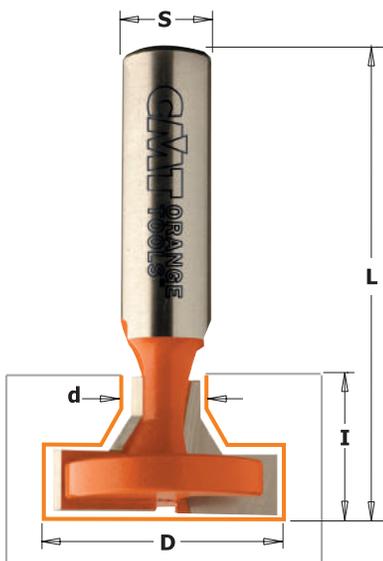
791.002.00	Ø4,76/Ø9,5mm bearing	990.422.00	Ø4,76/Ø9,5mm shield
990.058.00	1/8"x3/8"x1/2" TCEI screw	990.057.00	3/32" hex key

T-Slot Bits

850.6

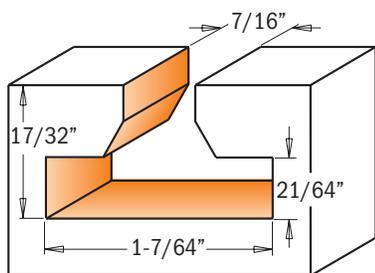


The perfect bit for crafting wall panel slots. This bit is not designed for plunging operations. For best results, use in CNC machinery and table-mounted routers.

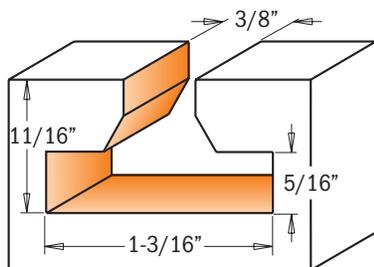


ORDER NO. 1/2" shank		D		d	I	L
		inches	mm	inches	inches	inches
850.603.11	10	1-7/64	28	7/16	17/32	2-7/32
850.601.11	10	1-3/16	30	3/8	11/16	2-3/8
850.602.11	10	1-3/8	34.9	1/2	7/8	2-1/2

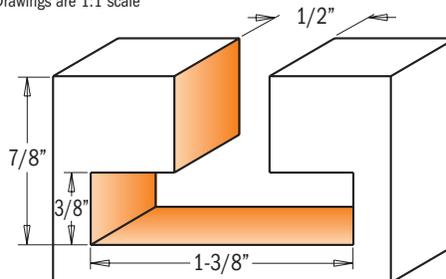
Drawings are 1:1 scale



850.603.11



850.601.11



850.602.11



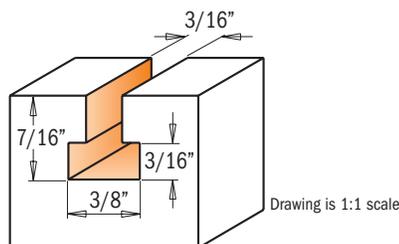
850.001

CARBIDE TIPPED **Z1** **RH**

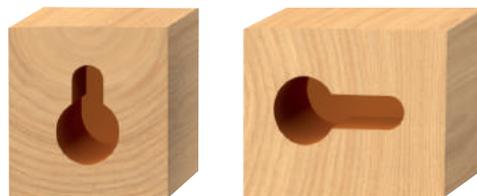
This keyhole bit allows you to craft perfect holes that will keep your frames, plaques or any wall hanging perfectly straight, as if floating on the wall. The bit bores an entry hole in the wood, then proceeds to cut a 3/16" hole and finishes by boring a larger opening under the surface.

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.

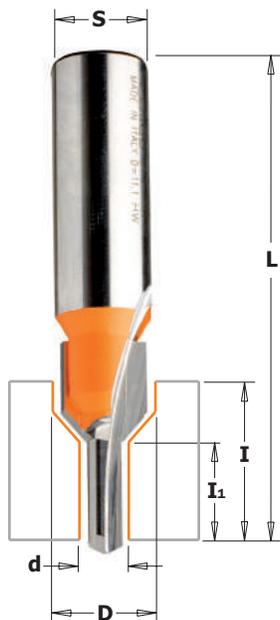


Drawing is 1:1 scale



ORDER NO. 1/4" shank	ORDER NO. 1/2" shank		D	d	I	L	
			inches	mm	inches	inches	
850.001.11	850.501.11	10	3/8	9.5	3/16	7/16	2-1/8

Screw Slot Bits

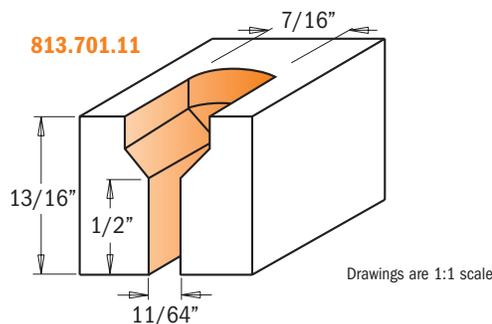


813.601 - 813.701

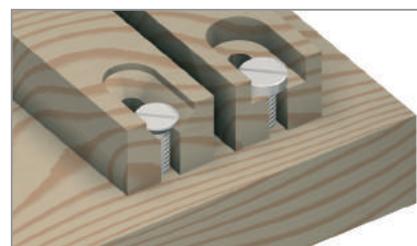
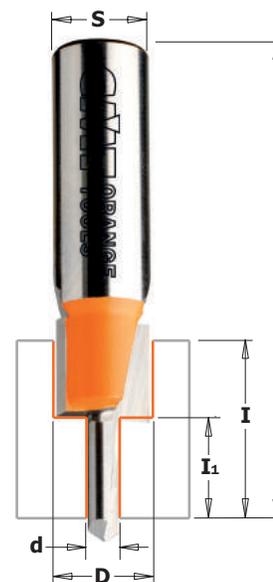
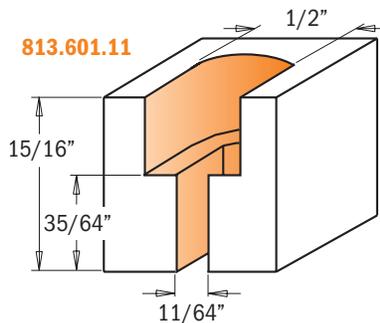
CARBIDE TIPPED **Z2** **RH**

Any large panel or table top should be secured in a way that allows it to expand or contract without splitting. These screw-slot bits allow you create sturdy, reliable screw slots. Panels will stay place, but can 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.

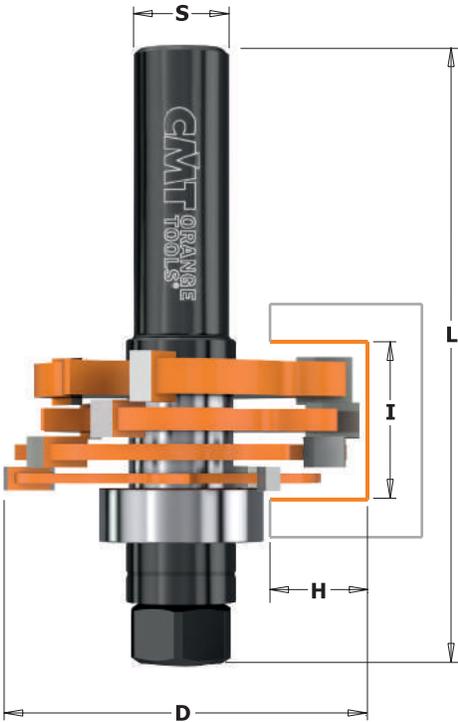


Drawings are 1:1 scale



ORDER NO. 1/2" shank		D	d	I	I1	L	
		inches	mm	inches	inches	inches	
813.601.11	10	1/2	12.7	11/64	15/16	35/64	2-1/2
813.701.11	10	7/16	11.1	11/64	13/16	1/2	2-1/2

Slot Cutter Set



800.506

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 x 1mm, 2 x 4mm).

SAFETY PRECAUTIONS:

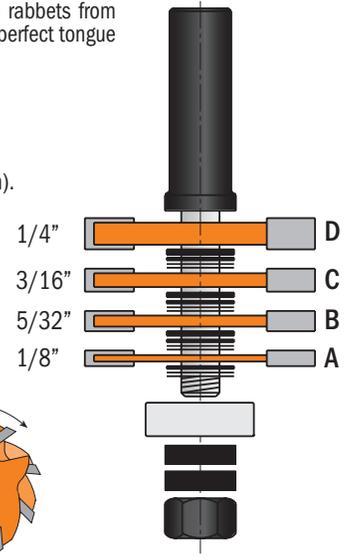
never use without shims between the cutters and between the cutter & bearing.

SHOP TIPS:

the bearings kit 791.711.00 reaches 1/4" and 3/8" cutting depth.

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"



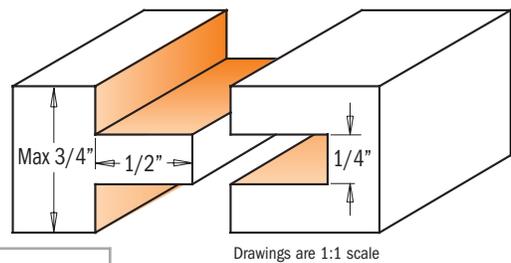
NOTE: The carbide edges of the cutters should never touch; arrange the shims as illustrated below. Use only the thicknesses provided in the set. Be sure all cutters are assembled in the proper right rotational direction below. Looking down the arbor the cutters will turn clockwise.

ORDER NO.	Box	I	D	H	L	Spare parts
1/2" shank		inches	mm	inches	inches	
800.506.11	10	1/8 to 23/32	3.2-18	1-7/8	1/2	3-3/16
824.128.00						1mm spacer
791.005.00						4mm spacer
990.020.00						

Tongue & Groove Set



800.626

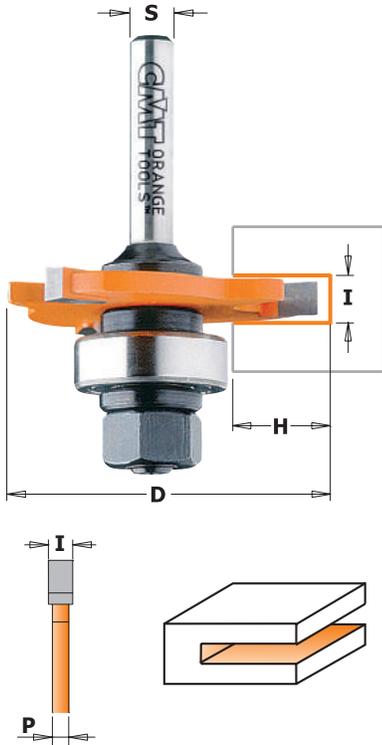
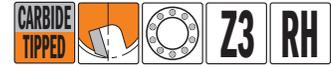


Make tongue and groove joints without the complicated process of taking apart and reassembling bits. This tongue and groove set provides one bit to groove the slot, and a separate bit to mill the tongue. Use your imagination and put them to work individually on other projects. Makes tongue and groove cuts in wood up to 3/4" thickness.

ORDER NO.	Box	I	D	H	L	PROFILE
1/2" shank		inches	mm	inches	inches	
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

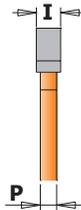
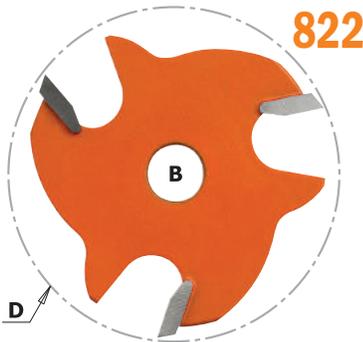
824.131.00	1/2" arbor	541.516.00	0.3mm spacer
822.364.11	1/4" Slot cutter	541.517.00	0.5mm spacer
791.005.00	Ø22mm bearing	541.518.00	1mm spacer
541.515.00	0.1mm spacer	990.020.00	Nut for arbor, M8 thread



822A/B

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".

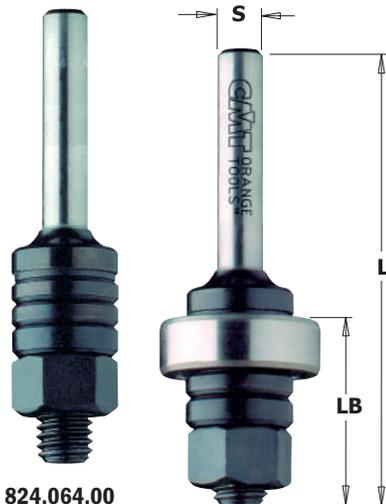
ORDER NO. 1/4" shank	ORDER NO. 1/2" shank		I inches	I mm	D inches	H inches	P inches	L inches
822.316.11A	822.316.11B	10	1/16	1.6	1-7/8	1/2	0.042	2-13/32
822.320.11A	822.320.11B	10	5/64	2	1-7/8	1/2	0.050	2-13/32
822.324.11A	822.324.11B	10	3/32	2.4	1-7/8	1/2	0.050	2-13/32
822.332.11A	822.332.11B	10	1/8	3.2	1-7/8	1/2	0.050	2-13/32
822.340.11A	822.340.11B	10	5/32	4	1-7/8	1/2	0.081	2-13/32
822.348.11A	822.348.11B	10	3/16	4.8	1-7/8	1/2	0.112	2-13/32
822.360.11A	822.360.11B	10	15/64	6	1-7/8	1/2	0.175	2-13/32
822.364.11A	822.364.11B	10	1/4	6.35	1-7/8	1/2	0.175	2-13/32



CMT arbors are carefully machined from special high-strength steel and precision ground in all the critical areas. Thanks to perfect concentricity, this bit will give you a clean, top quality cut. Available as arbor only or with a 7/8" (22mm) bearing.

The three-wing carbide tipped Slot Cutters feature an anti-kickback design and feature CMT's trademark orange P.T.F.E. Industrial Coating. All cutters feature an 8mm bore that fits CMT 1/4" and 1/2" arbors.

ORDER NO.		I inches	I mm	D inches	B mm	P inches
822.316.11	10	1/16	1.6	1-7/8	8	0.042
822.320.11	10	5/64	2	1-7/8	8	0.050
822.324.11	10	3/32	2.4	1-7/8	8	0.050
822.332.11	10	1/8	3.2	1-7/8	8	0.050
822.340.11	10	5/32	4	1-7/8	8	0.081
822.348.11	10	3/16	4.8	1-7/8	8	0.112
822.360.11	10	15/64	6	1-7/8	8	0.175
822.364.11	10	1/4	6.35	1-7/8	8	0.175



824.064.00
824.127.00

824.064.10
824.127.10

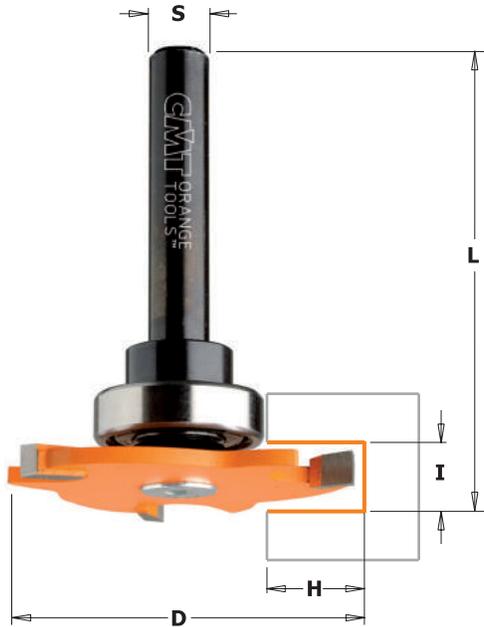
824

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

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 Dado M8

Slot Cutter with Arbor & Bearing

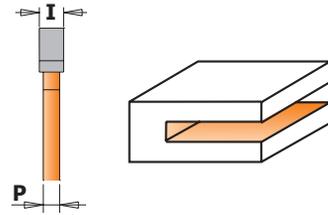
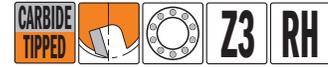


823B

This versatile slot cutter provides a variety of cutting options. Using a countersunk bolt the cutter can be mounted at the end of the arbor to allow undercutting; great for making lock rabbet joints as well as standard slots, biscuit joints, and many more.

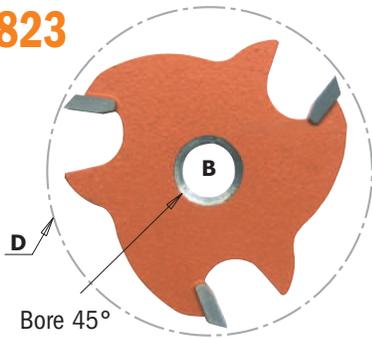
Each bit has 3 carbide tipped cutting wings, PTFE coating and an anti-kickback design feature. The 22mm bearing provides a 1/2" depth of cut and available in a 1/8", 5/32", and 1/4" cutting lengths.

The slot cutter, arbor and bearing are all available separately.

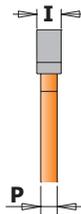


ORDER NO. 1/2" shank		I inches	I mm	P inches	D inches	H inches	L inches
823.332.11B	10	1/8	3.2	0.050	1-7/8	1/2	2-17/64
823.340.11B	10	5/32	4	0.081	1-7/8	1/2	2-19/64
823.364.11B	10	1/4	6.35	0.175	1-7/8	1/2	2-25/64

823



Bore 45°



These three wing carbide tipped slot cutters feature anti-kickback three wing blade design and CMT's trademark orange P.T.F.E. Industrial Coating. All cutters feature an 8mm bore that fits CMT's arbors (items 824).

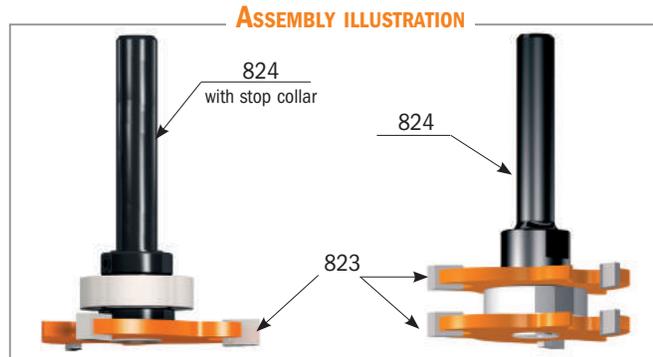
ORDER NO.		I inches	I mm	P inches	D inches	B mm
823.332.11	10	1/8	3.2	0.050	1-7/8	8
823.340.11	10	5/32	4	0.081	1-7/8	8
823.364.11	10	1/4	6.35	0.175	1-7/8	8



- 824.061.00**
- 824.061.10**
- 824.121.00**
- 824.121.10**

- 824.122.00**
- 824.122.10**

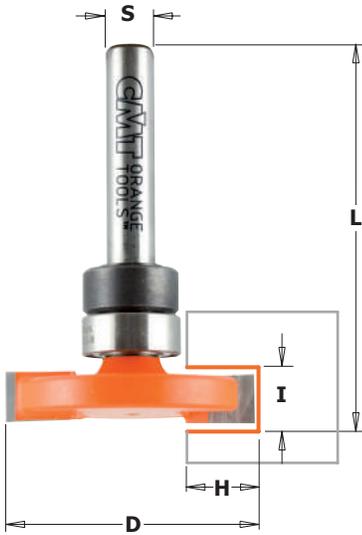
824



ORDER NO. 1/4" shank	ORDER NO. 1/2" 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

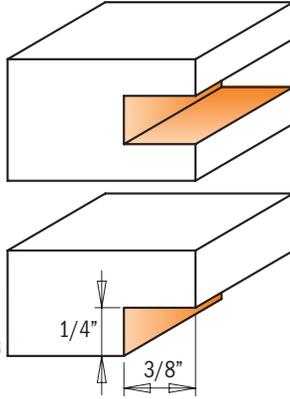
791.012.00	Ø8mm - 22mm bearing	541.516.00	0.3mm spacer
541.001.00	Stop collar for Ø1/4" shanks	541.517.00	0.5mm spacer
541.002.00	Stop collar for Ø1/2" shanks	541.518.00	1mm spacer
791.013.00	Ø1/2" - 7/8" bearing	990.055.00	Screw TSPEI M5x12mm
541.515.00	0.1mm spacer	991.067.00	3mm hex key



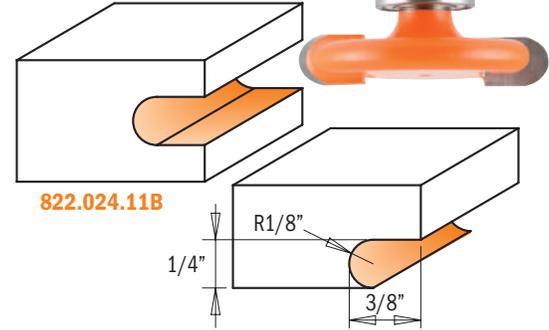
822.023.11B

822.023B - 024B

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



Drawings are 1:1 scale



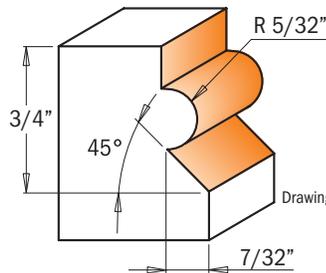
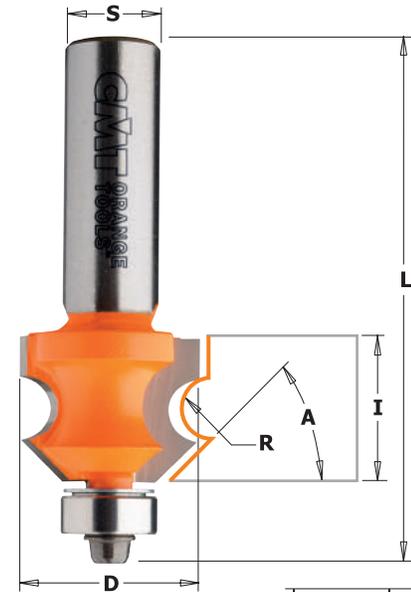
822.024.11B

ORDER NO. 1/4" shank	Box	D		I	H	R	L	Spare parts			
		inches	mm					Bearing	Collar	Washer	Hex Key
822.023.11B	10	1-1/4	31.75	1/4	3/8		1-7/8	791.010.00	541.001.00	990.005.00	991.056.00
822.024.11B	10	1-1/4	31.75	1/4	3/8	1/8	1-7/8	791.010.00	541.001.00	990.005.00	991.056.00

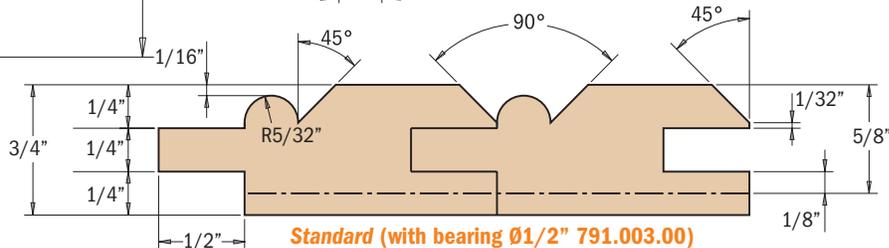
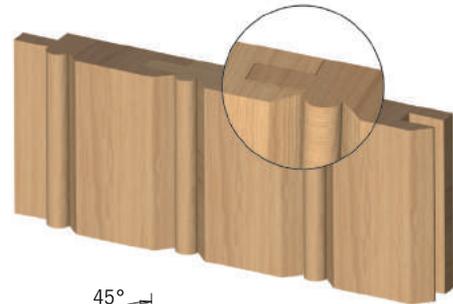
Wainscot/Paneling Bit

861.6

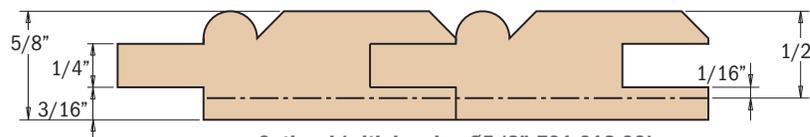
This router bit is designed for 3/4" thick stock and is perfect for creating wainscots and panels on your walls. Simply create a 1/4" tongue-and-groove interlock with a CMT 800.626.11, then, with two passes, mill an attractive traditional beadboard profile. Perfect for cabinets, bookcase backings, ceiling and wall paneling.



Drawing is 1:1 scale



Standard (with bearing Ø1/2" 791.003.00)



Optional (with bearing Ø5/8" 791.018.00)

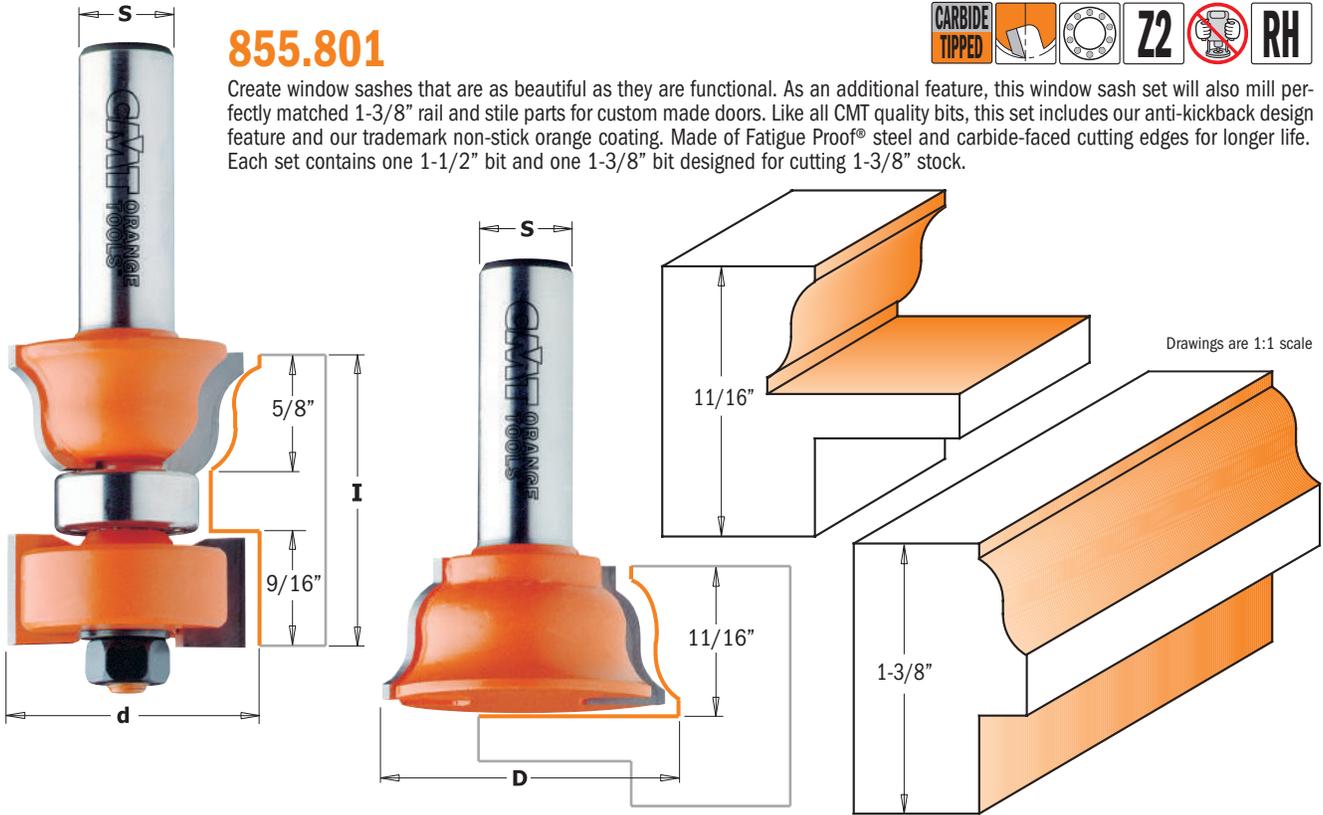
ORDER NO. 1/2" shank	Box	D		I	R	A	L	Spare parts			
		inches	mm					Bearing	Collar	Washer	Hex Key
861.601.11	10	15/16	23.8	3/4	5/32	45°	2-43/64	990.423.00	791.003.00	990.058.00	991.057.00

Window Sash Set



855.801

Create window sashes that are as beautiful as they are functional. As an additional feature, this window sash set will also mill perfectly matched 1-3/8" rail and stile parts for custom made doors. Like all CMT quality bits, this set includes our anti-kickback design feature and our trademark non-stick orange coating. Made of Fatigue Proof® steel and carbide-faced cutting edges for longer life. Each set contains one 1-1/2" bit and one 1-3/8" bit designed for cutting 1-3/8" stock.

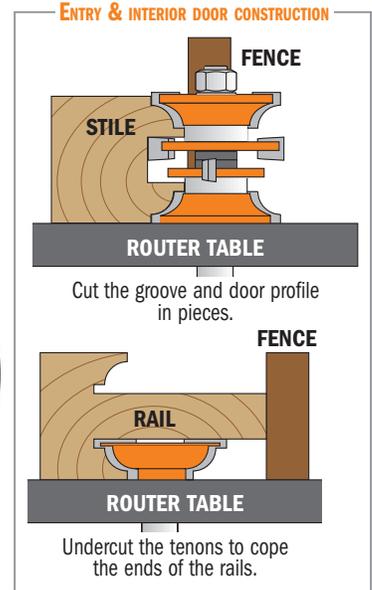
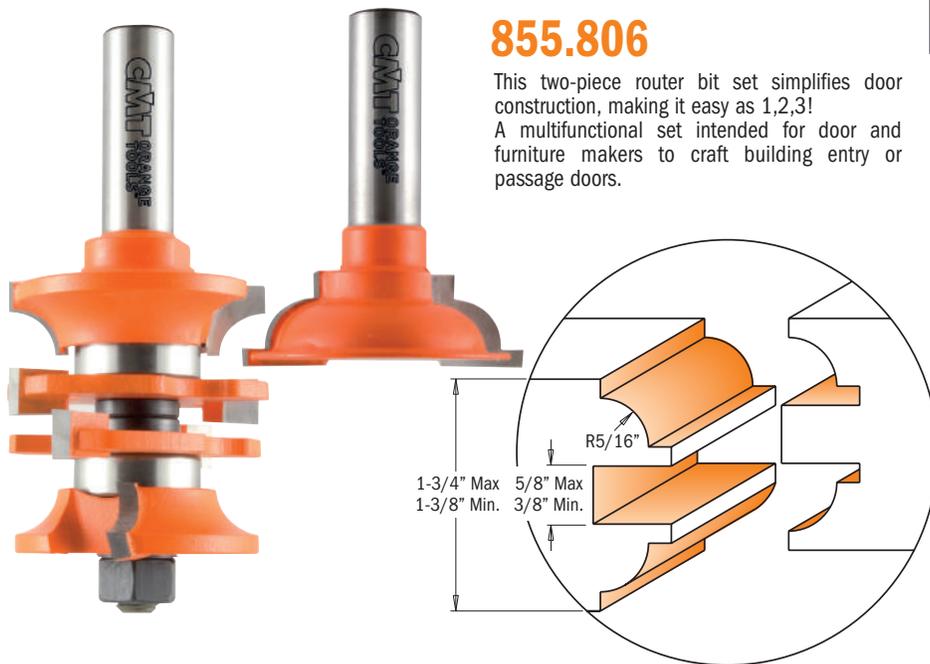


ORDER NO.	Box Qty	D	d	I	L	Spare parts				
1/2" shank		inches	mm	inches	inches					
855.801.11	5	1-1/2	38.1	1-3/8	1-3/8	3-5/16 - 2-3/16	791.012.00	822.004.11	541.518.00	990.020.00

Entry Door Set

855.806

This two-piece router bit set simplifies door construction, making it easy as 1,2,3! A multifunctional set intended for door and furniture makers to craft building entry or passage doors.



ORDER NO.	Box Qty	D	I	Spare parts							
1/2" shank		inches	inches		down	up					
855.806.11	5	1-3/4 - 1-57/64	1-3/8 - 1-3/4	791.005.00	822.021.11A	822.021.11B	822.022.11	541.515.00	541.516.00	541.500.00	990.020.00

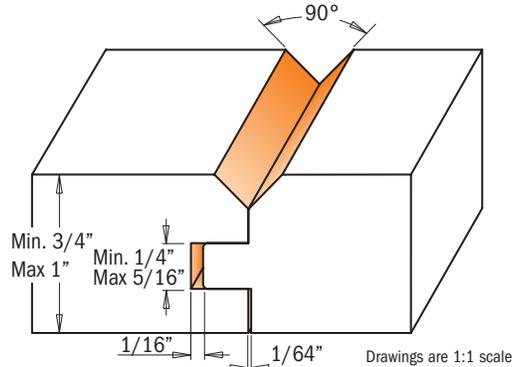
V-Tongue & Groove Set



855.506

Do you find that the standard selection of moulding and trim work you find in today's lumber shops aren't up to par with 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.

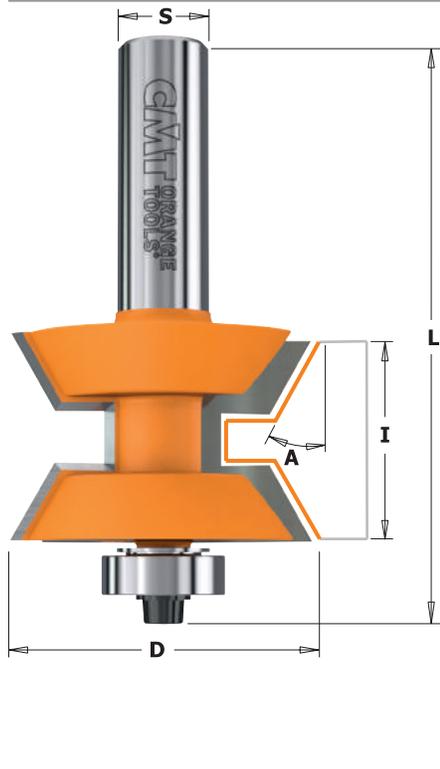
SAFETY TIPS: use these bits with a fence. The profiles shown below are milled from heavy stock then refined to the desired shape.



ORDER NO. 1/2" shank		D inches	mm	T ₁ inches
855.506.11	10	1-3/4	44.5	3/4 - 1

- Spare parts**
- 822.013.11 8mm two-flute slot cutter
 - 822.014.11 4mm two-flute slot cutter
 - 791.011.00 3/4" bearing
 - 791.005.00 7/8" bearing
 - 541.515.00 0.1mm spacer
 - 541.516.00 0.3mm spacer
 - 541.517.00 0.5mm spacer
 - 990.407.00 Shield
 - 990.020.00 Nut for arbor, M8 thread

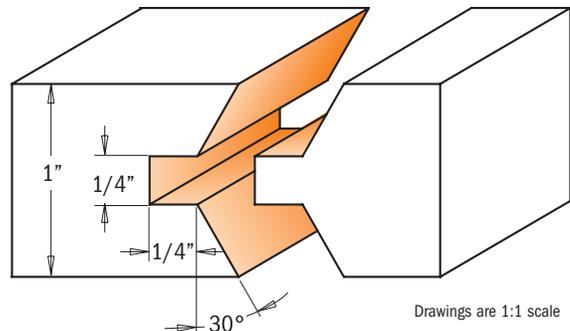
Edge Banding Bits Set



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 or create your own edge banding with your wood of preference.

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.



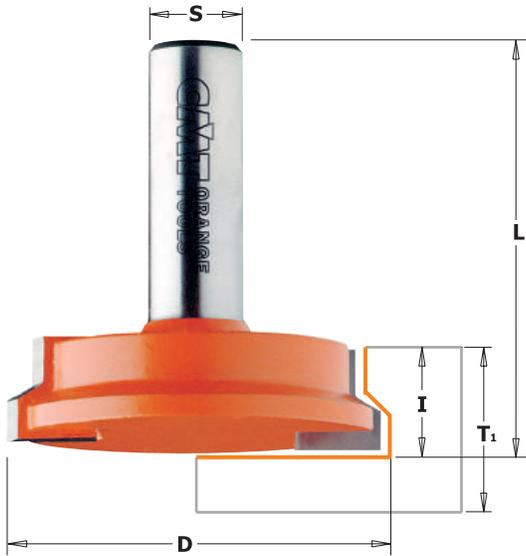
ORDER NO. 1/2" shank		D inches	mm	I inches	A	L inches				
855.510.11	10	1-37/64	40	1	30°	2-15/16	990.423.00	791.018.00	990.058.00	991.057.00

Drawer Lock Bits

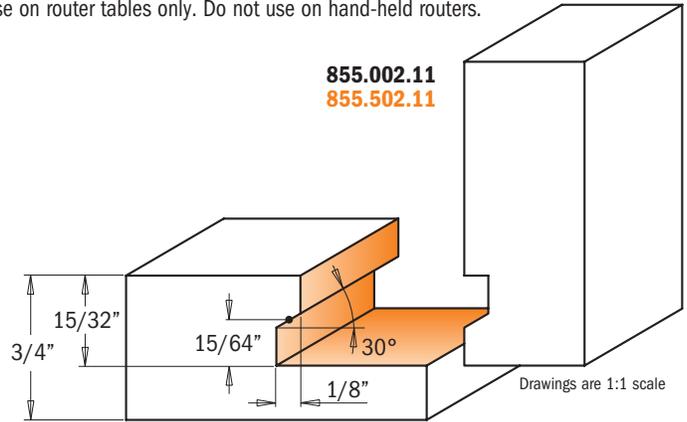


855

The key to crafting top quality drawers lies in the drawer lock bit you use. The CMT drawer lock bit makes strong, perfectly fitted joints quickly and easily. As illustrated below, mill the drawer front with the inside face-down on the work table. Mill the sides of the drawer with the inside face placed vertical to the bit and fence, and perpendicular to the table. For use on router tables only. Do not use on hand-held routers.

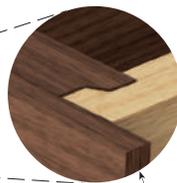
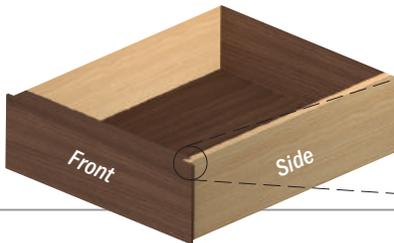
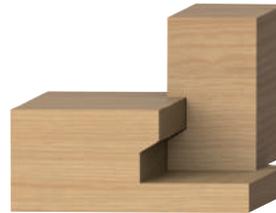
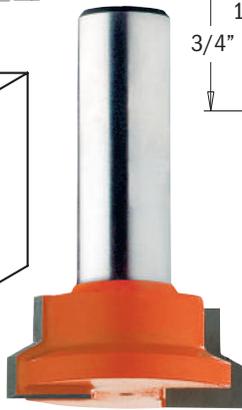
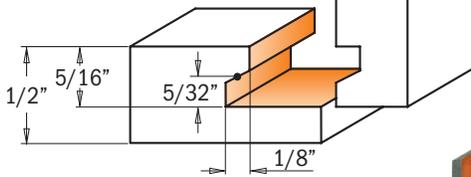


855.002.11
855.502.11

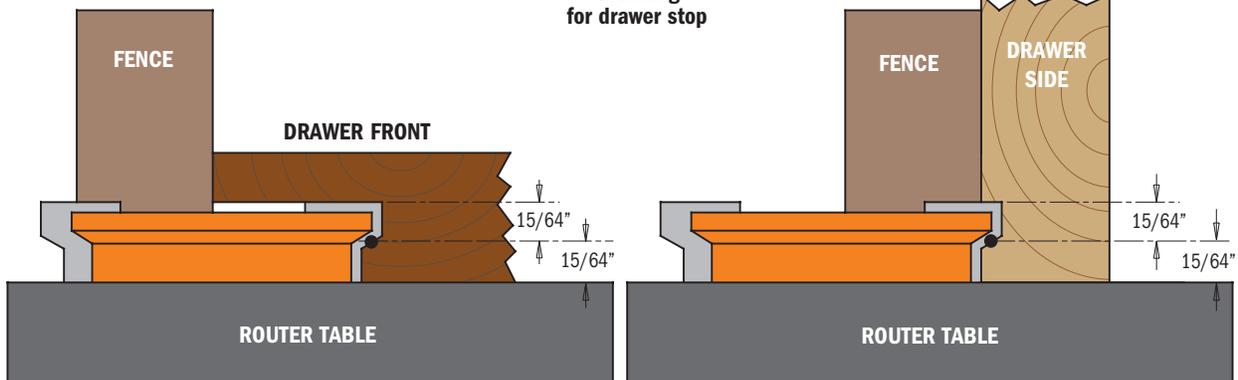


855.508.11

Drawing is 1:1 scale



Overhang for drawer stop

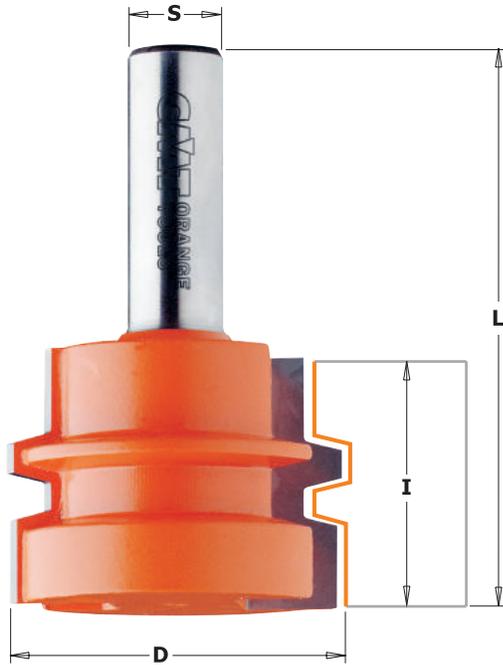


Mill the drawer front with the inside face down on the router table. Mill the sides of the drawer with the inside face of the workpiece placed vertically in relation to the bit and fence, and perpendicular to the table. Make a few test cuts on scrap stock to test your setup.

For use on router tables only. Not to be used with hand held routers.

ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	Box Icon	D		T1		I	L
			inches	mm	min. inches	max 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

Reverse Glue Joint Bit



855.501

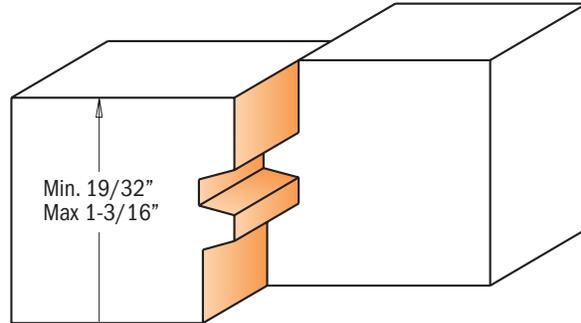


The CMT Reverse Joint Bit guarantees a virtually indestructible glue joint quickly and flawlessly.

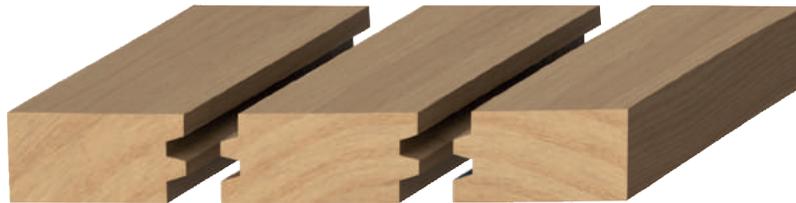
Ideal for routing panels, doors and furniture pieces of wide dimension. By accurately centering the bit to the wood, the upper and lower vertical cutting edges of the bit will cut equal proportions.

Simply run one edge of the panel, turn the panel over, and then run the opposite edge - the result is perfectly harmonized reverse cuts that match up to produce immaculate joints!

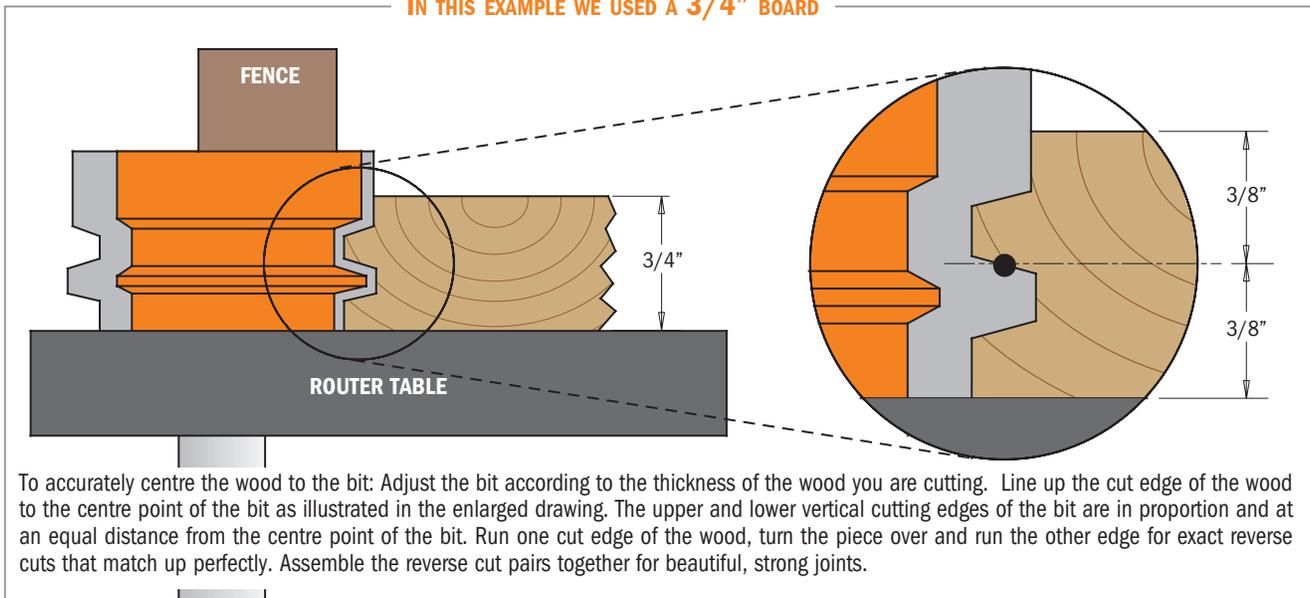
SHOP TIPS: When glueing, apply enough pressure to securely seal the joint. Insufficient pressure results in a weak joint and excessive pressure will distort the wood.



Drawings are 1:1 scale

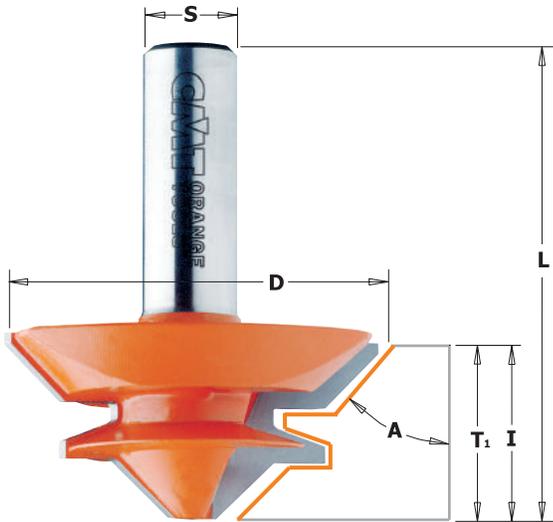


IN THIS EXAMPLE WE USED A 3/4" BOARD



To 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.

ORDER NO. 1/2" shank		D	I	T ₁	L	
		inches	mm	inches	inches	
855.501.11	10	1-3/4	44.5	1-1/4	19/32 - 1-3/16	2-49/64



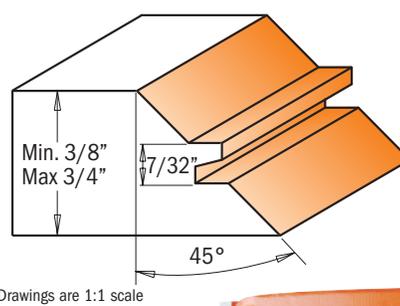
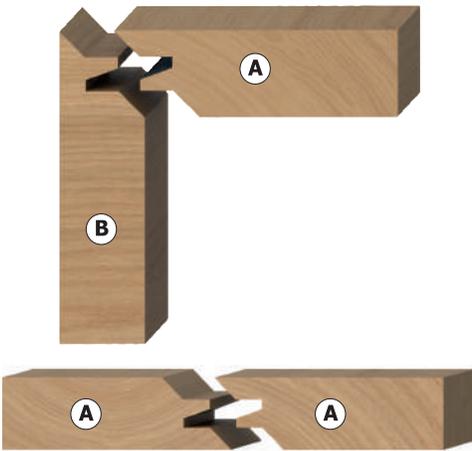
855.503/504



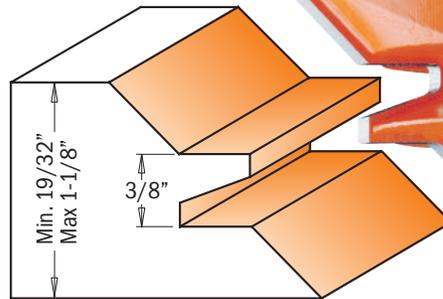
CMT lock miter bits are ideal for milling miter joints in 28.5mm stock. A quick and easy way to accurately create boxes, stretcher bars, frames and any assortment of right angle or parallel joint projects.

To produce perfectly fitting miter joints, lay one piece with the inside face-down on the work table and the wood centred to the bit. Mill as shown in step 1 of the illustration below. Mill the second piece with the inside face placed vertical to the bit and fence, as shown in step 2.

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.



Drawings are 1:1 scale



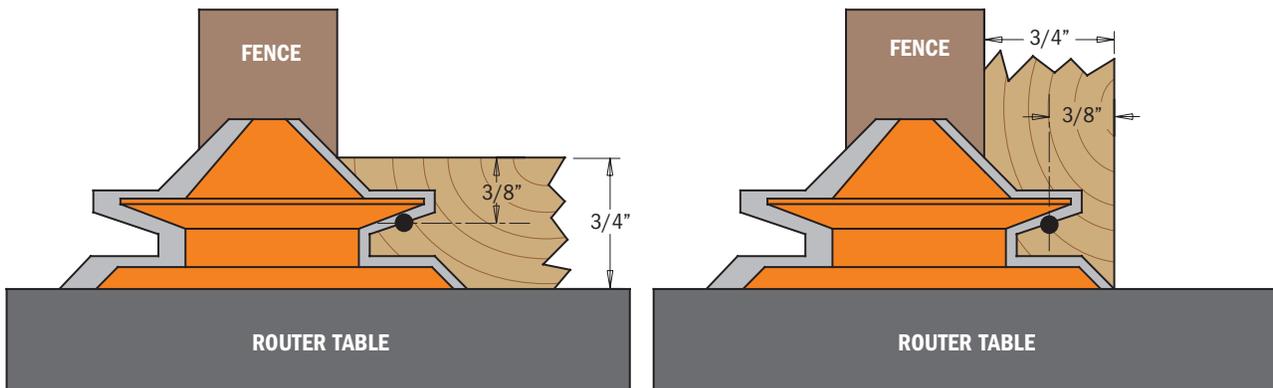
TO MAKE STURDY PARALLEL GLUE JOINTS

Follow the instructions in Step 1 and Fig. 1 below for the first piece of stock, routing the joint with the inside face of the workpiece laid flat on the table and centered to the bit. To rout the second piece of stock, lay the workpiece flat on the table and centered to the bit with the inside face up.

ORDER NO. 1/2" shank	CMT Logo	D		I	A	T ₁	L
		inches	mm				
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

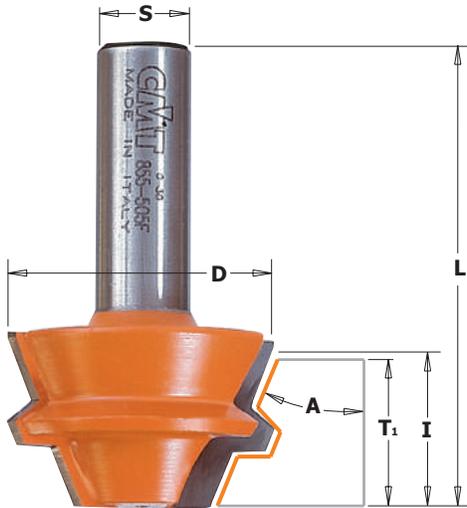
Example shown below is made using Lock Miter Bit 855.503.11 and 3/4" stock.



STEP 1: rout the first piece of stock with the inside face down on the work table and the wood centered to the bit. Mill as shown in Fig. 1 of the illustration. Use pusher blocks or a pusher stick to control the workpiece, and use featherboards attached to both the fence and table to hold the workpiece in position.

STEP 2: mill the second workpiece with the inside face of the stock placed against the fence and vertical in relation to the router table, as shown in Fig. 2. Use pusher blocks to move the workpiece, and use featherboards or other hold-in devices to keep the stock firmly against the fence.

Lock Miter Set



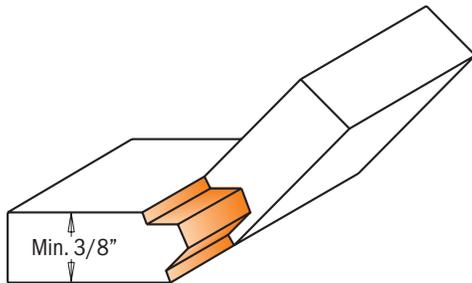
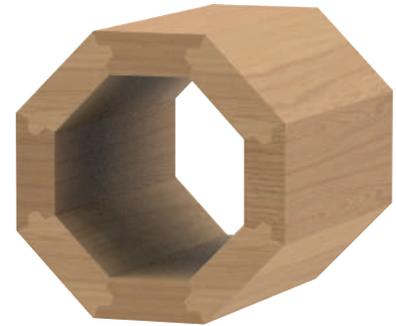
855.505



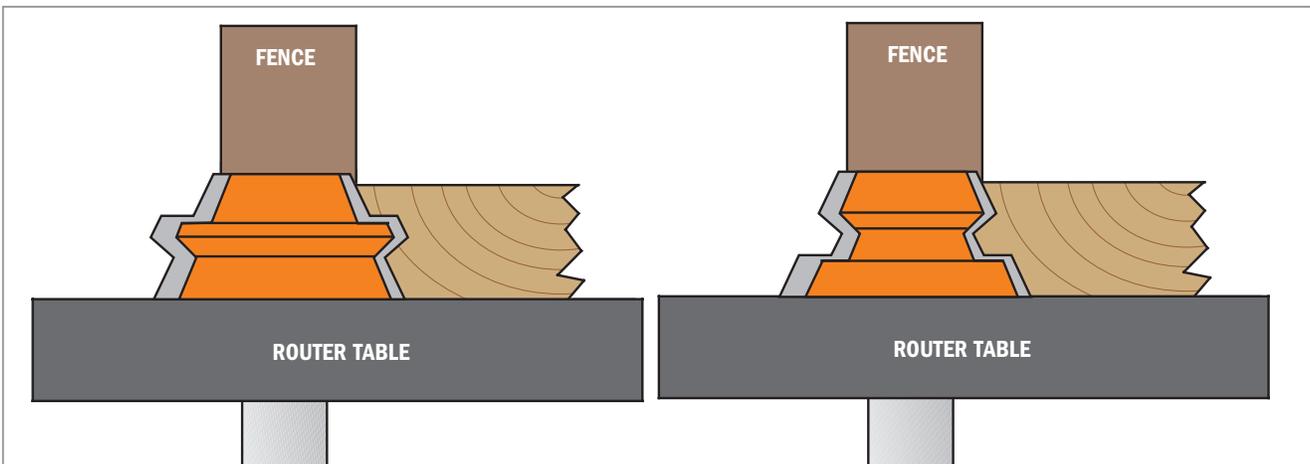
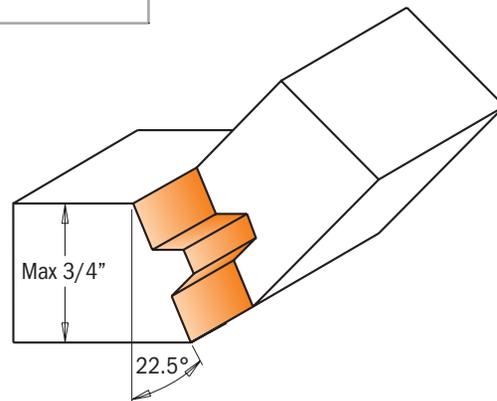
Now you don't have to fight with those awkward clamps on your 22.5° angle projects. Use this pair of bits to produce octagonal shaped boxes and popular corner cabinetry like cabinets for kitchens, entertainment centres, kitchen islands and corner hutches. This 22.5° Lock Miter set provides a strong tight joint even at 45° angles.

Biscuits and splines are time consuming and difficult to clamp; but CMT's matched cutters make set-up easy. Height adjustment is not an issue. All you have to do is adjust your fence so the top edge of the workpiece intersects the angle of the bit where it meets the fence.

After your joints are machined they can be glued and assembled and simply clamped by using strapping tape.



Drawings are 1:1 scale



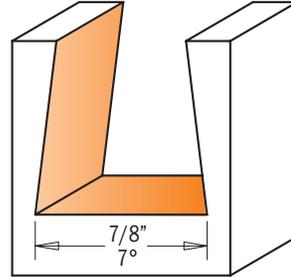
ORDER NO. 1/2" shank		D inches	D mm	I inches	A	T ₁ inches	L inches
855.505.11	5	1-15/32	37.3	7/8	22.5°	3/8-3/4	2-3/8

Dovetail Bits

CARBIDE TIPPED SOLID CARBIDE Z2 RH

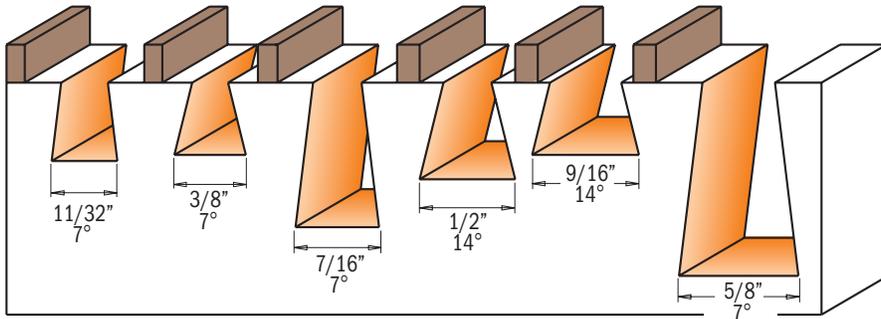
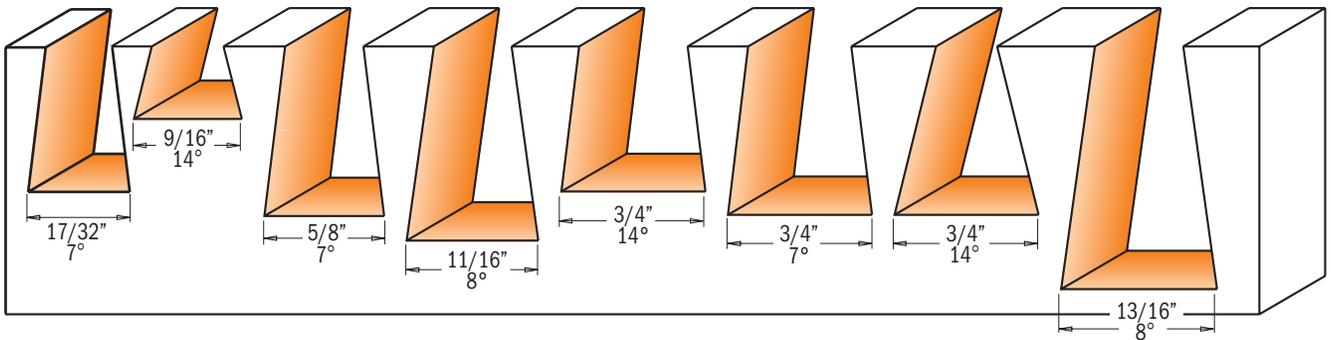
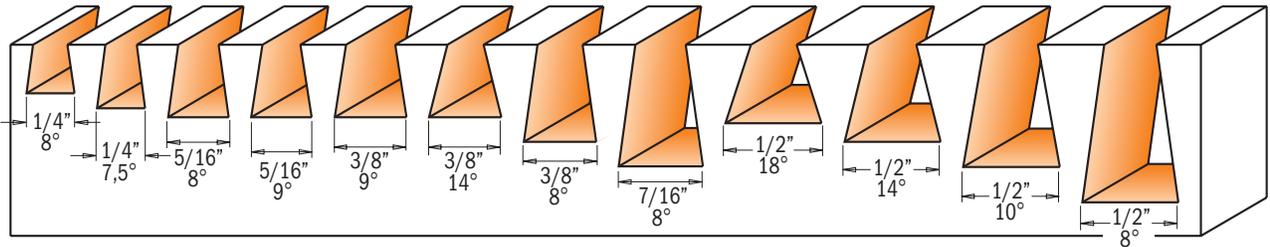
818 - 818B

Our selection of solid carbide or carbide tipped dovetail bits includes sizes to suit almost any of the dozens of jigs on the market. Check the overall length of the bit to be sure you get the size you need - we have bits made especially to fit on jigs and routers that require a longer shank length.



818.722.11

Drawings are 1:1 scale



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

Through dovetail



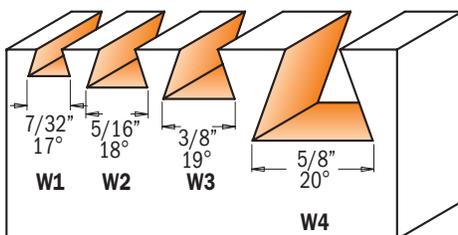
Half-blind dovetail



Variably-spaced dovetail



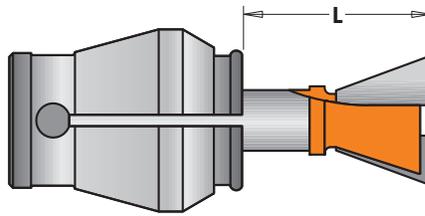
Sliding dovetail



Dovetail Bits

818 - 818B

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



Manufacturer/Model	ORDER NO.
CMT-Enlock10	818.098.11B
CMT-Enlock15	818.128.11B

CMT-ENLOCK JOINTS ARE READY IN A FLASH!



ORDER NO. 1/4" shank	ORDER NO. 1/2" shank		inches	D mm	I inches	A	L inches	APPLICATION	Spare parts		
• 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 Inkra 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 Inkra Jig			
	• 818.580.11	10	5/16	7.94	3/8	9°	2-1/2	For Inkra Jig			
818.096.11		10	3/8	9.5	3/8	9°	2-1/16	For Inkra Jig			
	818.596.11	10	3/8	9.5	3/8	9°	2-1/2	For Inkra Jig			
• 818.098.11		10	3/8	9.5	3/8	14°	2-3/8				
• 818.097.11		10	3/8	9.5	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 Inkra Jig			
	818.628.11	10	1/2	12.7	1/2	14°	2-1/2	For Inkra 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 Inkra Jig			
	818.658.11	10	5/8	15.87	7/8	7°	2-5/8	For Inkra 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 Inkra Jig			
	818.690.11	10	3/4	19.05	7/8	7°	2-5/8	For Inkra 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				
<i>with top bearing guide</i>											
818.087.11B		10	11/32	8.73	13/32	7°	2-1/4		791.009.00	541.001.00	991.056.00
818.098.11B		10	3/8	9.5	3/8	14°	2-3/8	For CMT-Enlock1	791.010.00	541.001.00	991.056.00
818.113.11B		10	7/16	11.1	3/4	7°	2-5/8		791.009.00	541.001.00	991.056.00
818.128.11B		10	1/2	12.7	1/2	14°	2-1/16	For CMT-Enlock1	791.010.00	541.001.00	991.056.00
818.142.11B		10	9/16	14.2	3/8	14°	2		791.010.00	541.001.00	991.056.00
<i>*with top bearing (Ø3/8" shank)</i>											
818.159.11B*		10	5/8	15.87	1	7°	2-11/16		791.021.00	541.006.00	991.056.00
<i>For Hoffmann®</i>											
• 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	9.5	9/32	19°	1-11/16	For Hoffmann® W3			

Spare parts 990.005.00 Screw TSEI M3x3mm

• Solid Carbide

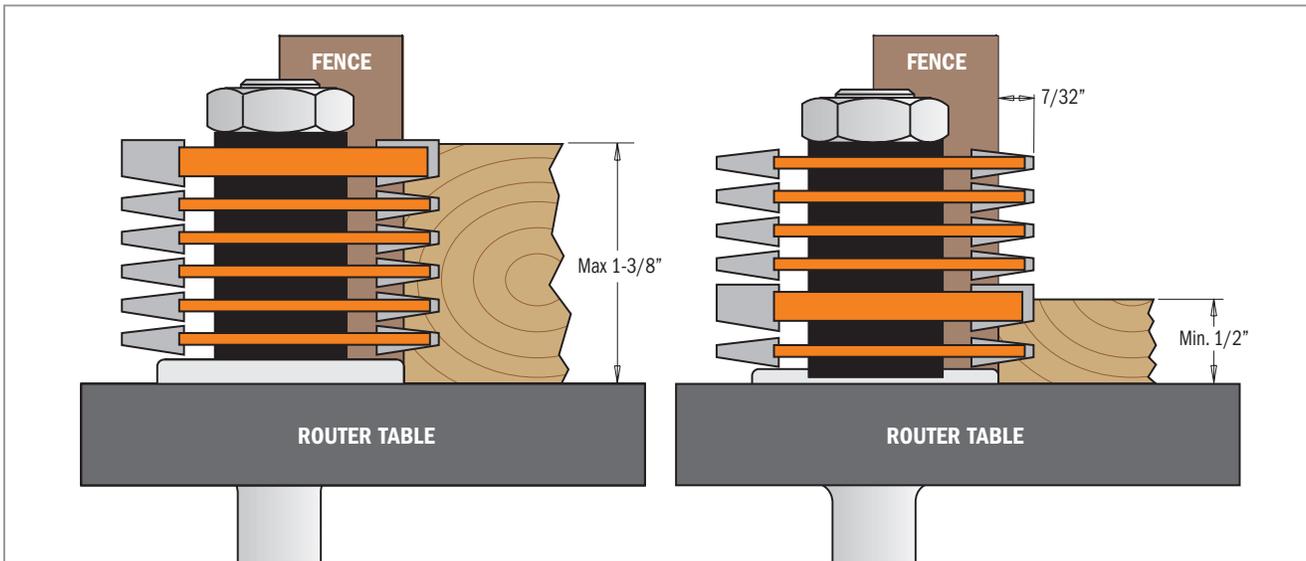
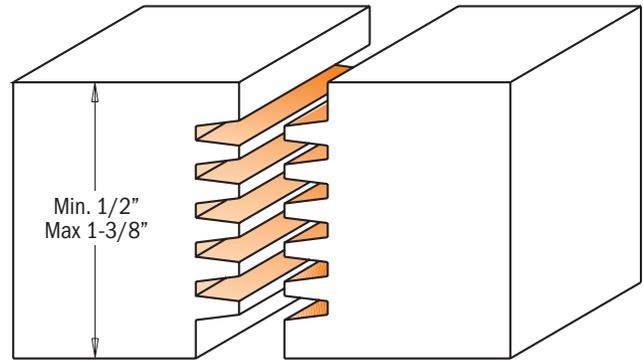
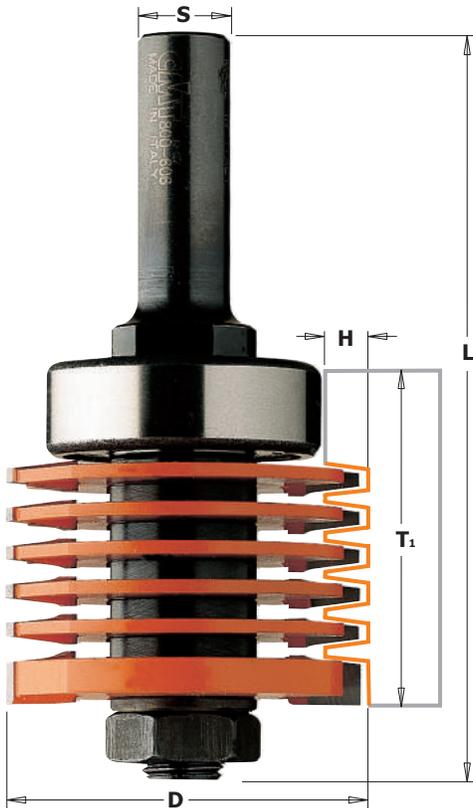
Professional Finger Joint Bit



800.606



This versatile finger joint bit is the perfect tool for making incredibly strong side-to-side or end-to-end joints in wood and wood composites. 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. CMT's professional finger joint bit features two-flute design, carbide teeth and six removable cutters. This means you can make joints in a wide range of stock thicknesses - from 1/2" to 1-3/8". Ideal for moulding manufacturers and furniture makers.

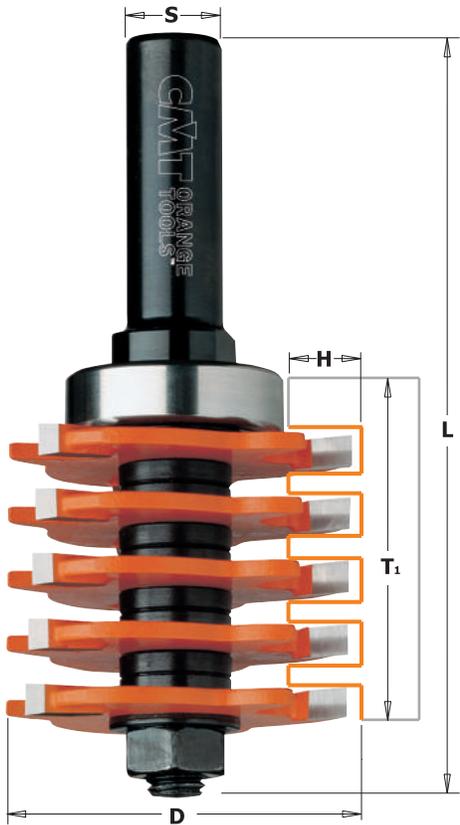


ORDER NO. 1/2" shank	Box	D inches mm	H inches	T ₁ inches	L inches	Spare parts									
800.606.11	10	1-7/8 47.6	7/32	1/2 - 1-3/8	3-13/16			 5/64"	 7/32"		824.129.00	791.028.00	822.005.11	822.006.11	990.022.00

Spare parts

541.511.00	3mm spacer
541.512.00	2mm spacer
541.513.00	0.1mm spacer

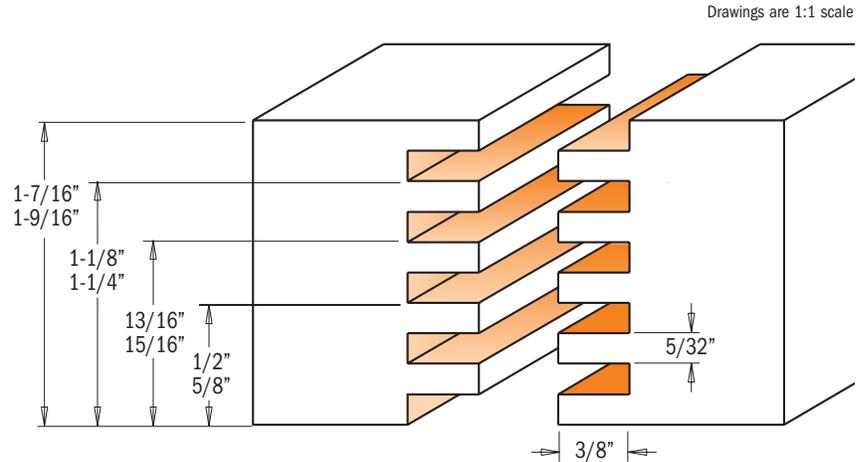
Box Joint Bit



800.616



This router bit allows you to craft accurate and functional finger joints with the greatest of ease. No need to make constant adjustments when working with different wood thicknesses as indicated in the drawing. The bearing allows you to reach a 3/8" cutting depth. For further cutting depths make sure to use a fence.



Drawings are 1:1 scale

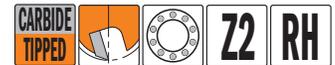
ORDER NO. 1/2" shank		D	H	T ₁	L	Spare parts				
		inches	mm	inches	inches					
800.616.11	10	1-7/8	47.6	3/8	1/2-1-9/16	3-13/16	824.130.00	791.027.00	822.340.11	990.020.00

Spare parts	Price	Description
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	Price	Description
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")	

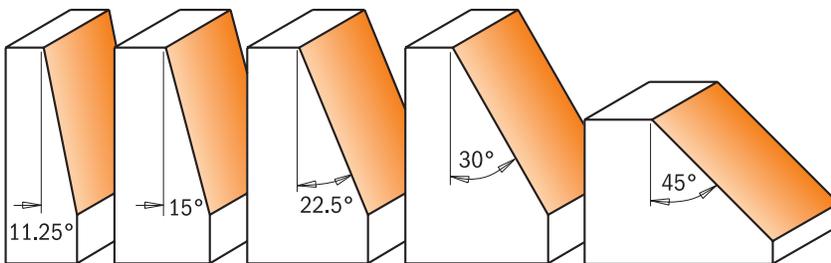


Chamfer Sets



836.501.11 5 piece Chamfer Bit Set 1/2" shank

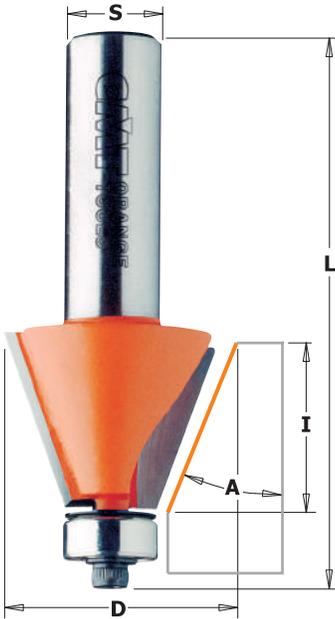
SET CONTAINS	ORDER NO. 1/2" shank	D	A	
		inches	mm	
Chamfer bit	857.504.11	7/8	22.2	11.25°
Chamfer bit	857.503.11	1	25.4	15°
Chamfer bit	857.502.11	1-1/4	31.7	22.5°
Chamfer bit	857.501.11	1-1/2	38.1	30°
Chamfer bit	836.920.11	1-49/64	45	45°



Drawings are 1:1 scale

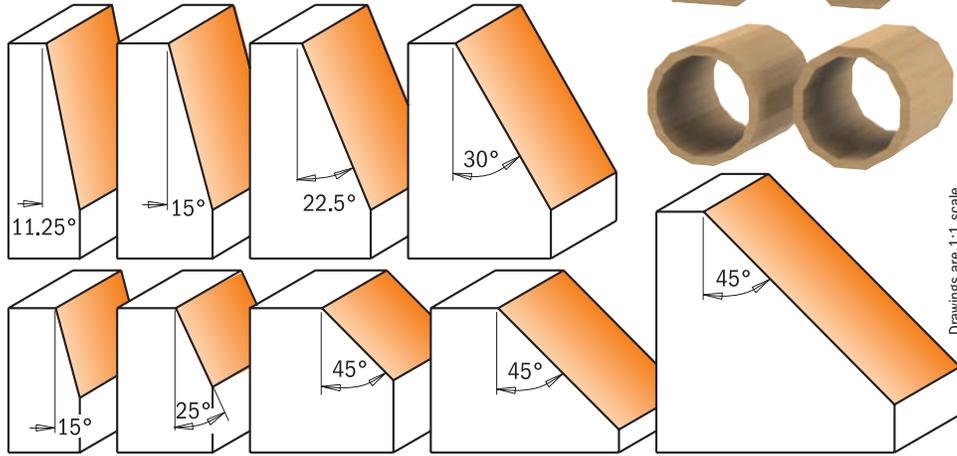
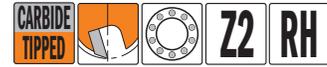
Build beautiful planters, boxes and other multi-sided pieces with this handy set. Why cut imperfect angles on your table saw when it's so much easier and accurate to use the CMT Chamfer set? Our solution to accurate polygon construction includes 5 anti-kickback, carbide tipped bits in the most popular angles - 11-1/4°, 15°, 22-1/2°, 30° and 45°. No polygon project is too difficult. Available with 1/2" shank.

Chamfer Bits

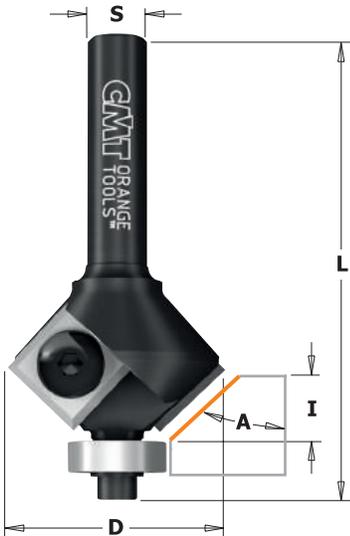


836 - 857

CMT Chamfer Bits cut clean, accurate bevels great for edge work or to make perfectly aligned multi-sided containers, boxes and other decorative projects. See illustration below for examples. Can be used to work larger scale projects such as beams and columns with excellent results.



ORDER NO. 1/4" shank	ORDER NO. 1/2" shank		D	A	I	L	Spare parts				
			inches	mm	inches	inches					
836.130.11		10	3/4	19.05	15°	7/16	2-5/32	990.423.00	791.003.00	990.058.00	991.057.00
836.190.11		10	7/8	22.2	25°	13/32	2-5/32	990.423.00	791.003.00	990.058.00	991.057.00
836.280.11		10	1-1/4	31.7	45°	3/8	2-3/32	990.423.00	791.003.00	990.058.00	991.057.00
836.420.11		10	1-49/64	45	45°	23/32	2-3/8	990.423.00	791.003.00	990.058.00	991.057.00
	836.920.11	10	1-49/64	45	45°	23/32	2-5/8	990.423.00	791.003.00	990.058.00	991.057.00
	836.950.11	10	2-9/16	65	45°	1	3-1/32	990.423.00	791.003.00	990.058.00	991.057.00
	857.504.11	10	7/8	22.2	11.25°	7/8	2-13/16	990.423.00	791.003.00	990.058.00	991.057.00
	857.503.11	10	1	25.4	15°	7/8	2-13/16	990.423.00	791.003.00	990.058.00	991.057.00
	857.502.11	10	1-1/4	31.7	22.5°	7/8	2-13/16	990.423.00	791.003.00	990.058.00	991.057.00
	857.501.11	10	1-1/2	38.1	30°	7/8	2-13/16	990.423.00	791.003.00	990.058.00	991.057.00

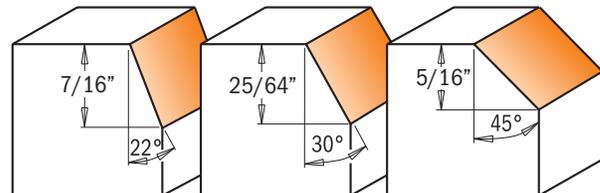
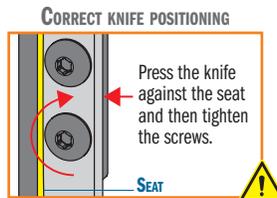


Insert Carbide Chamfer Bits

659



Bevel and Chamfer trim bits with two replaceable knives fixed by special Torx screws. The knives are sharpened on 4 sides and give three extra new edges. Guided bevel and chamfer trim bits type 659 are equipped with ball bearing guides. For specialist applications requiring economical replaceable tips. For precision work on laminates, MDF or for quick rounded edges in hard wood.



ORDER NO. 1/4" shank	ORDER NO. 1/2" shank		D	A	I	L	Spare parts				
			inches	mm	inches	inches					
659.023.11		10	63/64	25	22°	7/16	2-15/32	790.120.00	990.075.00	791.006.00	990.400.00
659.031.11		10	1-7/64	28	30°	25/64	2-9/16	790.120.00	990.075.00	791.006.00	990.400.00
659.046.11		10	1-9/64	29	45°	5/16	2-13/32	790.120.00	990.075.00	791.022.00	990.400.00
	659.646.11	10	1-9/64	29	45°	5/16	2-23/32	790.120.00	990.075.00	791.022.00	990.400.00

Spare parts 990.051.00 Screw TCEI M3x6mm for bearing

991.062.00 2.5mm hex key

991.061.00 Torx key T15

V-Grooving & Signmaking Router Bits with Indexable Knives (90°)

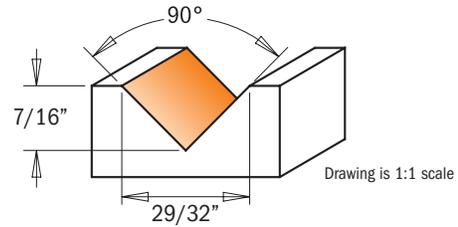
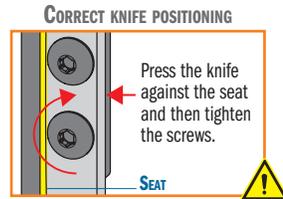
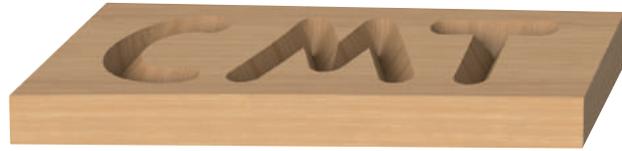


665

These bits have been designed for signmaking and lettering. When the insert shows signs of wear, you can simply rotate it to exploit the other cutting edges. A locking screw secures the insert tightly for added safety and extreme cutting accuracy.

TECHNICAL DETAILS:

- Super strength steel.
- 1 HW precision insert knife [Z1].



ORDER NO.		D	I	A	L	Spare parts			
1/4" shank		inches	mm	inches					
665.201.11	10	29/32	23	7/16	90°	2-3/8	790.280.00	990.093.00	991.073.00

V-Grooving Bits for Alucobond®



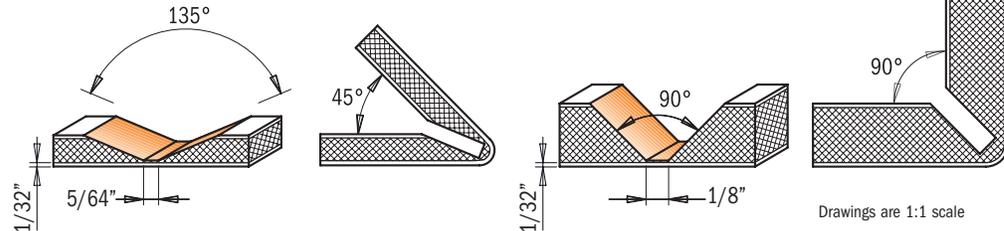
815

ALUCOBOND® plus composite panels can be shaped using a very simple processing method. This method is called "routing and folding" and enables the craftsman to produce shapes of various kinds and sizes.

A V-shaped groove is routed on the reverse side of the ALUCOBOND® plus composite panel using a "V" groove router bit. A thin layer of the core material should be left at the base of the groove, i.e. on the inside of the outer cover sheet. The untouched outer cover sheet can now be bent manually, giving a precise, clean folding line which follows the routed groove. The outer radius of the folded edge depends on the shape of the groove and its depth. We recommend that the routing be done using CNC machinery, a portable sheet milling machine or a hand router. The "routing and folding" method can be used for ALUCOBOND® plus composite panels featuring all available standard surface finishes.

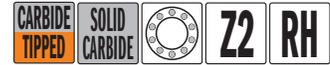
The advantages of this unique technique are:

- Low investment cost
- Simplified technique
- Folding can be done on site, saving on transportation costs
- Low-cost assembly of shaped components, wall cladding, roof edgings, column cladding, flashings, etc.
- Flexibility in creating shapes
- Very economical
- Shapes are not limited by machine capacity.



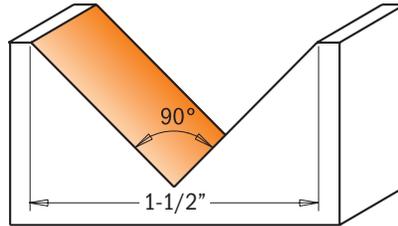
ORDER NO.		D	I	A	L	
1/4" shank		inches	mm	inches		
815.001.11	10	45/64	18	19/64	90°	2-23/64
815.002.11	10	45/64	18	1/8	135°	2-23/64

V-Grooving Bits (90°)

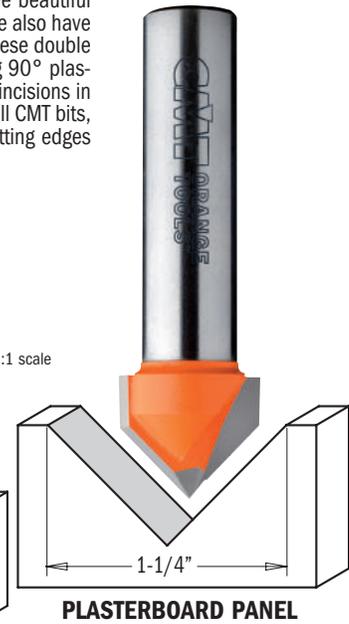
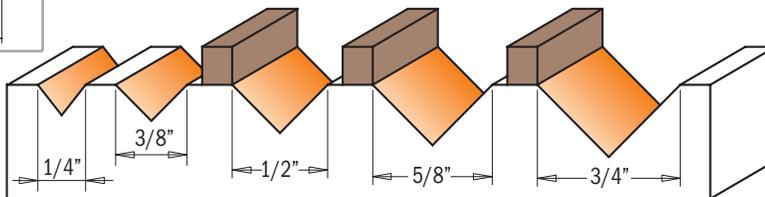


815 - 815B

Rout clean, sharp veins in panels or drawer fronts, chamfer edges or engrave beautiful lettering. For almost any bevel job, CMT V-Grooving Bits are a great choice. We also have versatile top bearing bits that let you follow whatever template you choose. These double cutting edge CMT bits have been especially designed for routing and jointing 90° plasterboard panels but offer you many woodworking possibilities: clean, perfect incisions in panels or drawer fronts, chamfer edges or engraving beautiful lettering. Like all CMT bits, they are made of super strength Fatigue Proof™ steel with carbide-tipped cutting edges and are coated with our trademark orange PTFE non-stick coating.



Drawings are 1:1 scale



PLASTERBOARD PANEL

• Solid Carbide

ORDER NO. 1/4" shank	ORDER NO. 1/2" shank		D	I	A	L
			inches	mm	inches	inches
815.064.11		10	1/4	6.35	5/16	1-1/2
815.095.11		10	3/8	9.5	1/2	1-3/4
815.127.11		10	1/2	12.7	1/2	1-3/4
	815.660.11	10	5/8	15.87	1/2	2-1/2
	815.690.11	10	3/4	19.05	5/8	2-1/2
	815.817.11	10	1-1/4	31.7	3/4	2-1/2
	815.880.11	10	1-1/2	38.1	1-1/8	2-3/4
<i>with top bearing guide</i>						
815.127.11B		10	1/2	12.7	1/2	1-3/4
	815.690.11B	10	3/4	19.05	5/8	2-1/2

Spare parts



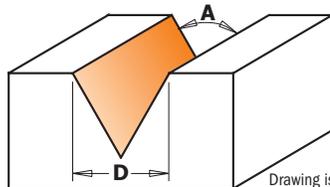
Laser Point Bits

858

The 3-flute bits make delicate grooves and incisions with laser precision. Make subtle effects by running the 60° bevel edges. Perfectly balanced to give you superior accuracy with no risk of burning. Raise them to produce delicate fine incisions or work the whole 1/2" diameter to render bold highlighted lettering. Super strong steel shank and micrograin carbide cutting edges guarantee long-lasting performance. You may also want to try the new laser point bit feature 35° beveled cutting tip to produce a nice effect in a single run. This bit is suitable for making fine incisions or bold highlighted lettering.



858.002



Drawing is 1:1 scale



858.003

ORDER NO. 1/4" shank	ORDER NO. 1/2" shank		D	I	A	Z	L	
			inches	mm	inches		inches	
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
858.002.11		10	1/4	6.35	3/8	35°	1	2
858.003.11		10	1/2	12.7	25/64	60°	2	2

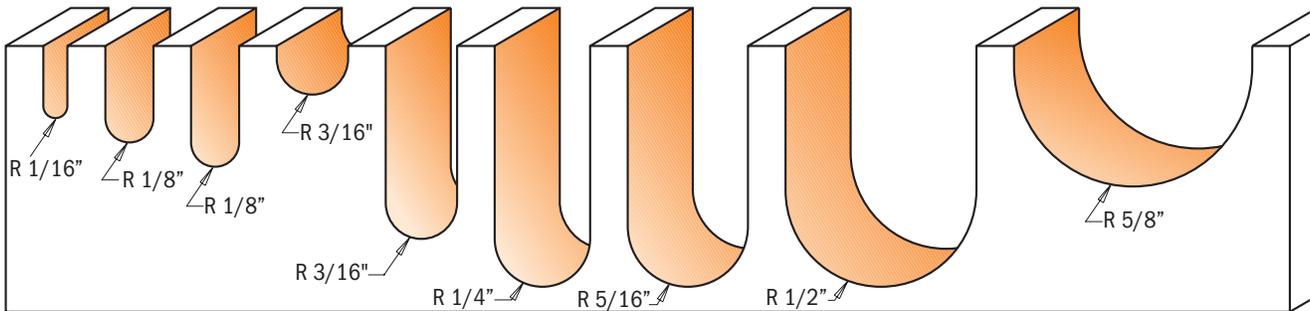
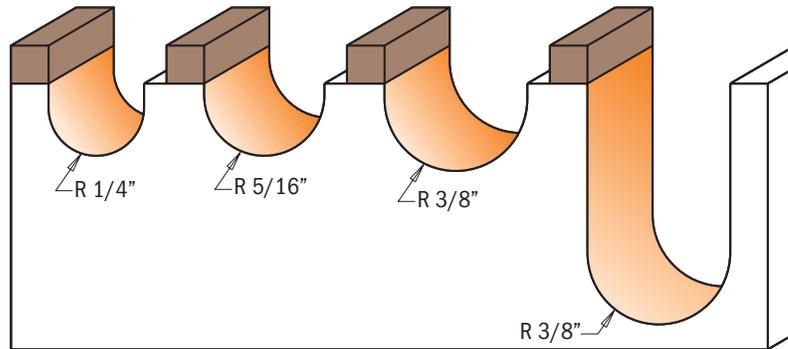
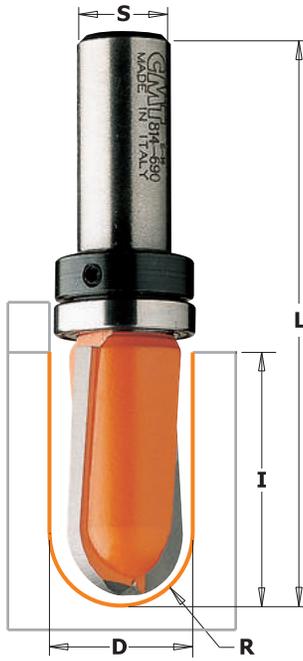
Round Nose Bits

CARBIDE TIPPED SOLID CARBIDE Z2 RH

814 - 814B

Decorate doors, drawer fronts, panels or any flat surface with CMT Round Nose Bits. These solid carbide or carbide tipped bits let you create grooves in any wood or wood product. For even more elaborate decorations, we also offer top bearing bits - use your own template with one of these bits to produce truly unique doors and drawer fronts. A favorite item for professional sign makers, craft makers and hobbyists.

SAFETY PRECAUTIONS: more than one pass is recommended when making cove edges. To prevent splintering, begin with a shallow initial pass and deepen gradually.



Drawings are 1:1 scale

Spare parts



ORDER NO. 1/4" shank	ORDER NO. 1/2" shank		R		D	I	L							
			inches	mm	inches	inches	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	9.5	3/4	7/16	2							
	814.690.11	10	3/8	9.5	3/4	1-1/4	2-7/8							
	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							
<i>with top bearing guide</i>														
814.127.11B		10	1/4	6.35	1/2	3/8	2	791.010.00	541.001.00	990.005.00	991.056.00			
814.160.11B		10	5/16	7.94	5/8	3/8	2	791.009.00	541.001.00	990.005.00	991.056.00			
814.190.11B		10	3/8	9.52	3/4	7/16	2	791.004.00	541.001.00	990.005.00	991.056.00			
	814.690.11B	10	3/8	9.52	3/4	1-1/4	2-7/8	791.011.00	541.002.00	990.005.00	991.056.00			

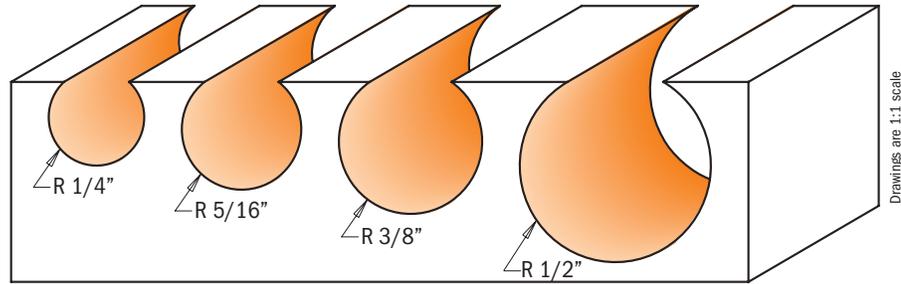
• Solid carbide

Ball End Bits



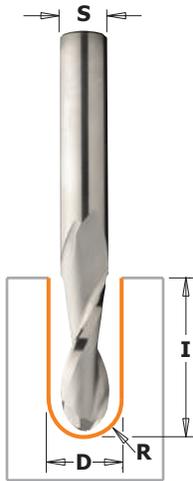
868

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.



ORDER NO. 1/2" shank	Box	R		D inches	I inches	L inches
		inches	mm			
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

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.

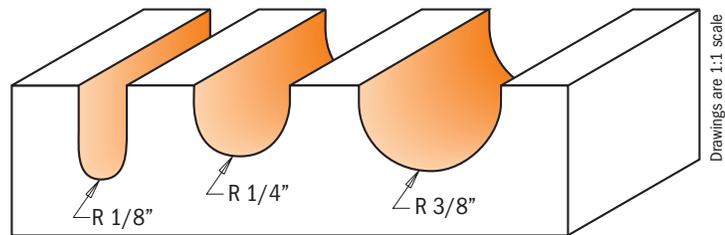


ORDER NO.	Box	R		D inches	I inches	S inches	L inches
		inches	mm				
199.001.11	10	1/16	1.6	1/8	1/2	1/4	2
199.008.11	10	1/8	3.2	1/4	1	1/4	2-1/2
199.504.11	10	3/16	4.75	3/8	1-1/8	3/8	3
199.505.11	10	1/4	6.35	1/2	1-1/4	1/2	3
199.509.11	10	5/16	7.94	5/8	2-1/4	5/8	4-5/16
199.511.11	10	3/8	9.5	3/4	2-1/4	3/4	4-5/16

Round Nose Sets



Each of these sets include 3 of the most popular CMT Round Nose Bits. Great for sign making, engraving, or adding flutes and veins to doors or drawer fronts.



814.001.11 3 piece Round Nose Set 1/4" shank

SET CONTAINS	ORDER NO. 1/4" shank	R		I inches
		inches	mm	
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	9.5	7/16

814.501.11 3 piece Round Nose Set 1/2" shank

SET CONTAINS	ORDER NO. 1/2" shank	R		I inches
		inches	mm	
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	9.5	1-1/4

60° Lettering Bits

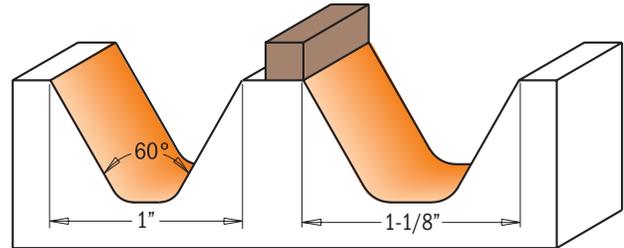


849 - 849B



Designed specifically for routing signs, these bits have 60° cutting edges, an 1/8" radius and a 1/4"-wide flat bottom. This profile allows you to create striking effects for signmaking while eliminating undesirable chipping and splintering.

By putting bevel edges on the raised characters of relief lettering you reduce the possibility of splitting the lettering, which often occurs when producing square relief effects.



Drawings are 1:1 scale

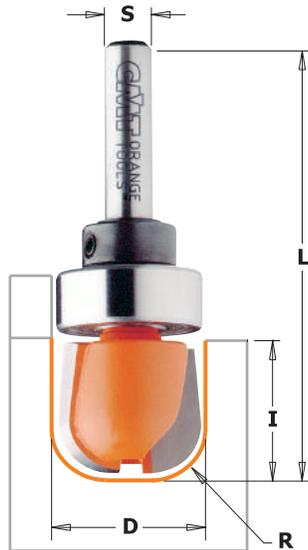
ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	Box	D		I	A	L
			inches	mm			
849.001.11		10	1	25.4	3/4	60°	2
	849.501.11	10	1-1/8	28.5	3/4	60°	2-1/2
<i>with top bearing guide</i>							
	849.501.11B	10	1-1/8	28.5	3/4	60°	2-1/2

Spare parts

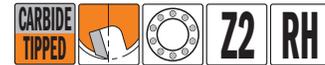


791.027.00	541.002.00	990.005.00	991.056.00
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Bowl & Tray Bits

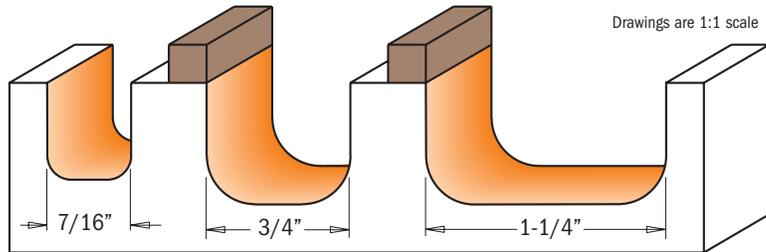


851 - 851B



We call these tools "Bowl and Tray Bits," but you can get a lot of use from these bits even if you never rout a bowl or tray. Everybody needs a cutting board, for example, and these bits rout a groove that's perfect for catching meat juice and drippings.

Use them to rout beautifully raised sign lettering, unique boxes, or lots of other specialty craft items. The round corner of the bit shapes the inner radius while the sides and bottom create the smooth flat surfaces. Best for jobs that require the utmost accuracy.



Drawings are 1:1 scale

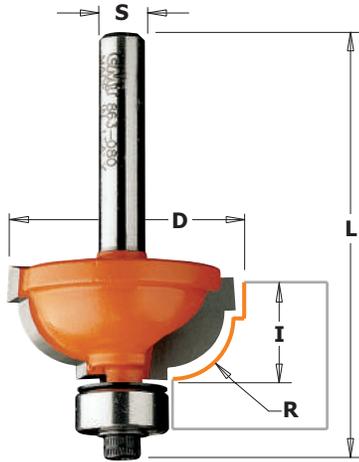
ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	Box	D		I	R	L
			inches	mm			
851.001.11		10	7/16	11.1	1/2	1/8	1-51/64
851.002.11		10	3/4	19.05	5/8	1/4	2-1/8
	851.501.11	10	3/4	19.05	5/8	1/4	2-3/8
	851.502.11	10	1-1/4	31.7	5/8	1/4	2-3/8
<i>with top bearing guide</i>							
851.002.11B		10	3/4	19.05	5/8	1/4	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	990.005.00	991.056.00
791.011.00	541.002.00	990.005.00	991.056.00
791.015.00	541.002.00	990.005.00	991.056.00

Cavetto Edge Mold Bits

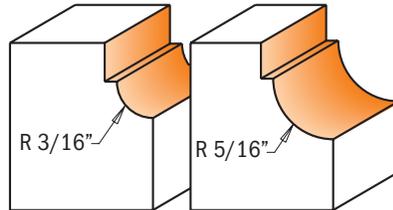


863 - 864

The Cavetto Bit crafts a beautiful, traditional profile. Alternatively, use just a portion of the bit to cut a simple, clean cove edge. Adds a special touch to furniture pieces.

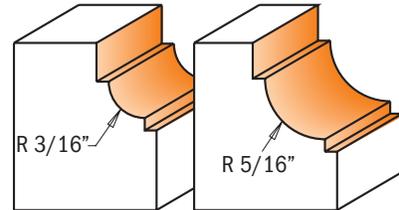
SHOP TIPS: after resharpening, use an undersized bearing.
791.062.00 Ø9,3 replace bearing 791.002.00 (Ø9,5) after resharpening
791.063.00 Ø12,5 replace bearing 791.003.00 (Ø12,7) after resharpening

Drawings are 1:1 scale



863.048.11
863.548.11

863.080.11
863.580.11

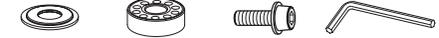


864.048.11
864.548.11

864.080.11
864.580.11

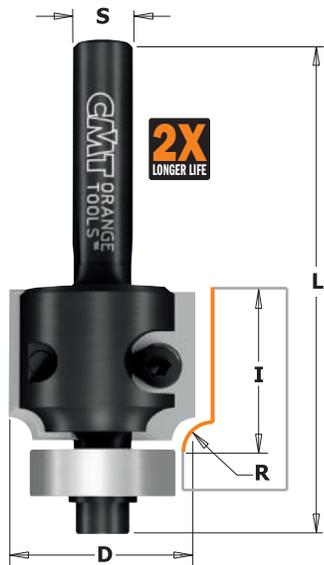
ORDER NO. 1/4" shank	ORDER NO. 1/2" shank		R	D	I	L
			inches	mm	inches	inches
863.048.11		10	3/16	4.76	1	2-1/8
	863.548.11	10	3/16	4.76	1	2-3/8
863.080.11		10	5/16	7.94	1-1/4	2-1/4
	863.580.11	10	5/16	7.94	1-1/4	2-15/32
864.048.11		10	3/16	4.76	1	2-3/32
	864.548.11	10	3/16	4.76	1	2-5/16
864.080.11		10	5/16	7.94	1-1/4	2-5/32
	864.580.11	10	5/16	7.94	1-1/4	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

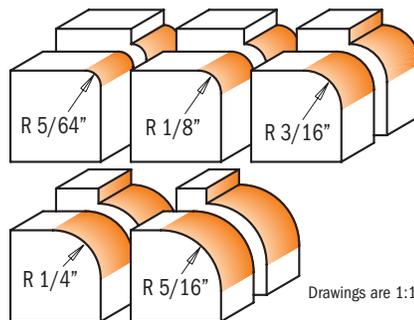
Insert Carbide Roundover Bits



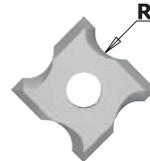
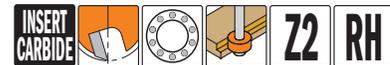
661

Roundover bits with two replaceable knives fixed by special Torx screws. The blades are profiled on 4 sides providing greater efficiency and precision when working on laminates. Small radius available 3/64", 1/16" and 1/8". For use on portable Routers.

2X
LONGER LIFE



Drawings are 1:1 scale



Standard
R=1/8" 790.030.04

Optional
R=3/64" 790.010.04
R=1/16" 790.015.04
R=1/8" 790.020.04

661.021.41
661.031.41

ORDER NO. 1/4" shank	ORDER NO. 1/2" shank		R	D	I	L
			inches	mm	inches	inches
661.021.41		10	5/64	2	57/64	49/64
661.031.41		10	1/8	3	1/2	1/8
661.051.11		10	3/16	5	1-1/8	49/64
661.064.11		10	1/4	6.35	1-1/8	15/16
	661.581.11	10	5/16	7.94	1-1/4	15/16

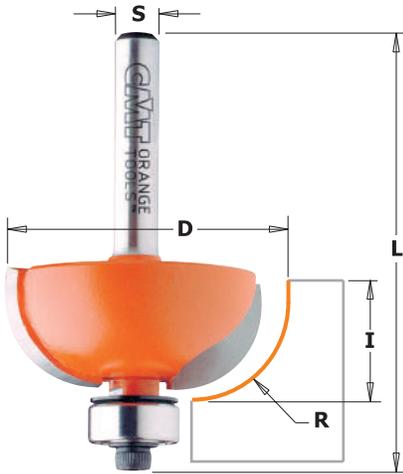
Spare parts



790.020.00	990.076.00	991.061.00	791.007.00
790.030.04	990.078.00	991.061.00	791.003.00
790.050.00	990.076.00	991.061.00	791.007.00
790.064.00	990.076.00	991.061.00	791.006.00
790.080.00	990.076.00	991.061.00	791.006.00

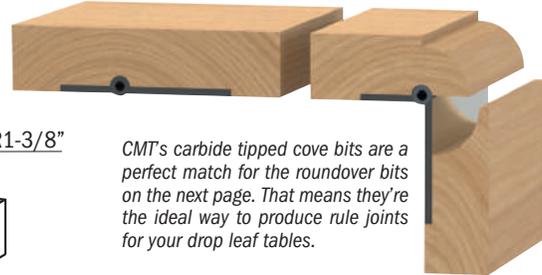
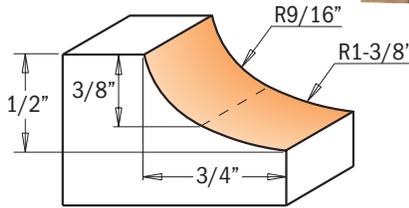
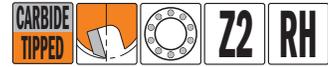
990.400.00	Washer 3.2/7mm fro screw M4	990.410.00	Washer 4.2/9mm fro screw M4	990.423.00	Shield for 12.7mm bearing
990.051.00	Screw TCEI M3x6mm for bearing Ø16mm	990.052.00	Screw TCEI M4x6mm for bearing	990.058.00	Screw TCEI 1/8"x3/8"x1/2"
991.062.00	2.5mm hex key	991.067.00	3mm hex key	991.057.00	3/32" hex key

Cove Bits



837

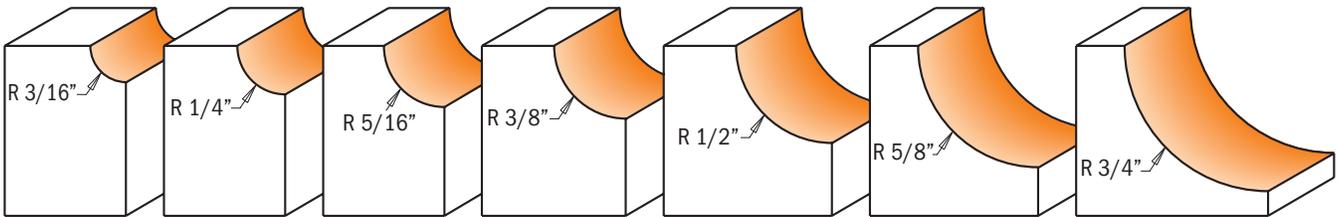
Transform furniture, doors, and drawer fronts from simple to elegant by touching them up with a CMT Cove Bit. Use these bits together with a CMT Roundover Bit and build perfectly fitting rule joints that are ideal for drop leaf table tops.



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

Drawings are 1:1 scale

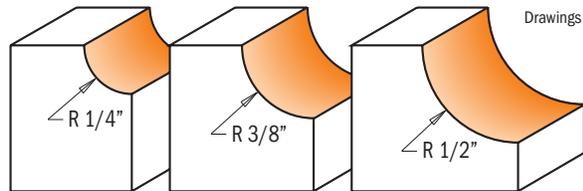


ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	Box	R		D inches	I inches	L inches	Spare parts			
			inches	mm				Washer	Washer	Hex Nut	Hex Key
837.190.11		10	3/16	4.75	7/8	1/2	2-5/32	990.423.00	791.003.00	990.058.00	991.057.00
	837.690.11	10	3/16	4.75	7/8	1/2	2-13/32	990.423.00	791.003.00	990.058.00	991.057.00
837.222.11		10	1/4	6.35	1	1/2	2-5/32	990.423.00	791.003.00	990.058.00	991.057.00
	837.722.11	10	1/4	6.35	1	1/2	2-13/32	990.423.00	791.003.00	990.058.00	991.057.00
837.254.11		10	5/16	7.94	1-1/8	1/2	2-1/8	990.423.00	791.003.00	990.058.00	991.057.00
	837.754.11	10	5/16	7.94	1-1/8	1/2	2-3/8	990.423.00	791.003.00	990.058.00	991.057.00
837.286.11		10	3/8	9.52	1-1/4	1/2	2-1/8	990.423.00	791.003.00	990.058.00	991.057.00
	837.786.11	10	3/8	9.52	1-1/4	1/2	2-3/8	990.423.00	791.003.00	990.058.00	991.057.00
837.350.11		10	1/2	12.7	1-1/2	5/8	2-9/32	990.423.00	791.003.00	990.058.00	991.057.00
	837.850.11	10	1/2	12.7	1-1/2	5/8	2-17/32	990.423.00	791.003.00	990.058.00	991.057.00
	837.950.11	10	5/8	15.87	1-3/4	3/4	2-41/64	990.423.00	791.003.00	990.058.00	991.057.00
	837.951.11	10	3/4	19.05	2	7/8	2-25/32	990.423.00	791.003.00	990.058.00	991.057.00
	837.955.11	10	See drawing		2	1/2	2-13/32	990.423.00	791.003.00	990.058.00	991.057.00



Cove Bit Sets

Each of these sets include carbide Cove Bits in three of the most commonly used sizes. You'll receive 1/4", 3/8" and 1/2" radius bits of your choice or 1/4" or 1/2" shank.



Drawings are 1:1 scale

837.001.11 3 piece Cove Bit Set 1/4" shank

SET CONTAINS	ORDER NO. 1/4" shank	inches	R	mm	I inches
Cove bit	837.222.11	1/4	3/8	6.35	1/2
Cove bit	837.286.11	3/8	3/8	9.5	1/2
Cove bit	837.350.11	1/2	1/2	12.7	5/8

837.501.11 3 piece Cove Bit Set 1/2" shank

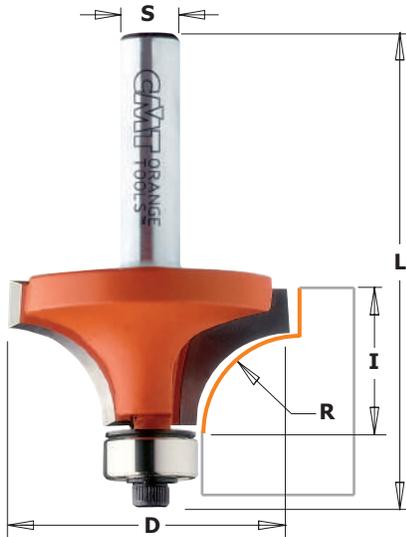
SET CONTAINS	ORDER NO. 1/2" shank	inches	R	mm	I inches
Cove bit	837.722.11	1/4	3/8	6.35	1/2
Cove bit	837.786.11	3/8	3/8	9.5	1/2
Cove bit	837.850.11	1/2	1/2	12.7	5/8

Roundover Bits

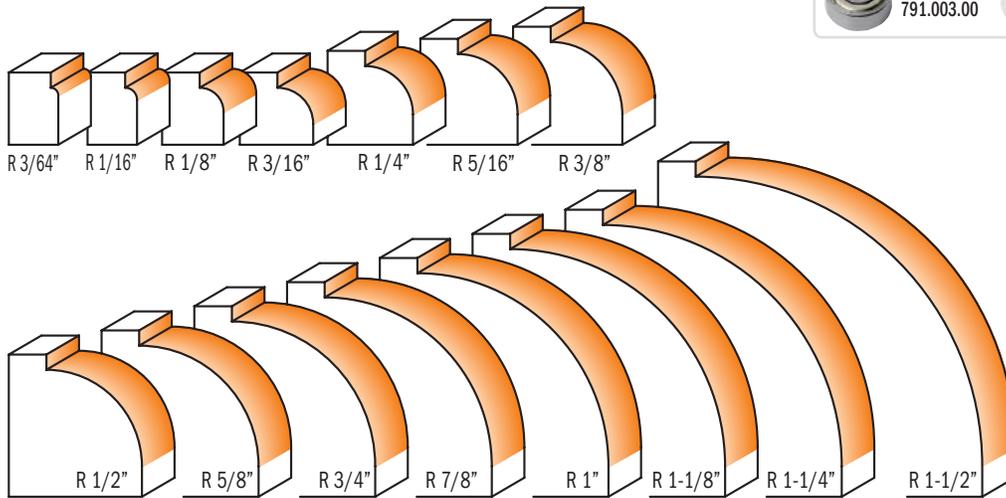


838

No bit gets more of a workout than the Roundover bit! This tool is perfect for simple tasks like easing sharp corners, or for intricate jobs like drop leaf tables (when used in conjunction with our Cove Bits of the same radius).



SHOP TIPS: after resharpening, use an undersized bearing.
791.063.00 Ø12,5 replace bearing 791.003.00 (Ø12,7) after resharpening



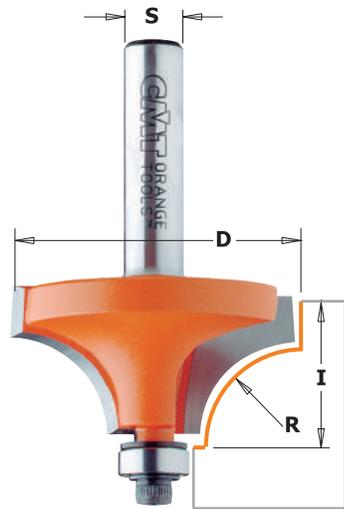
Drawings are 1:1 scale

ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	Box	R		D inches	I inches	L inches	Spare parts			
			inches	mm				Bearing	Washer	Pin	Hex Key
838.147.11 °		10	3/64	1	37/64	3/8	2	990.422.00	791.044.00	990.058.00	991.057.00
838.160.11		10	1/16	1.6	5/8	1/2	2-9/64	990.423.00	791.003.00	990.058.00	991.057.00
838.167.11		10	5/64	2	21/32	1/2	2-5/64	990.423.00	791.003.00	990.058.00	991.057.00
838.187.11		10	1/8	3	47/64	1/2	2-1/8	990.423.00	791.003.00	990.058.00	991.057.00
838.190.11		10	1/8	3.2	3/4	1/2	2-9/64	990.423.00	791.003.00	990.058.00	991.057.00
838.222.11		10	3/16	4.75	7/8	1/2	2-9/64	990.423.00	791.003.00	990.058.00	991.057.00
838.254.11		10	1/4	6.35	1	1/2	2-9/64	990.423.00	791.003.00	990.058.00	991.057.00
	838.754.11	10	1/4	6.35	1	1/2	2-5/16	990.423.00	791.003.00	990.058.00	991.057.00
838.285.11		10	5/16	7.94	1-1/8	1/2	2-9/64	990.423.00	791.003.00	990.058.00	991.057.00
838.317.11		10	3/8	9.52	1-1/4	5/8	2-1/4	990.423.00	791.003.00	990.058.00	991.057.00
	838.817.11	10	3/8	9.52	1-1/4	5/8	2-7/16	990.423.00	791.003.00	990.058.00	991.057.00
838.380.11		10	1/2	12.7	1-1/2	3/4	2-25/64	990.423.00	791.003.00	990.058.00	991.057.00
	838.880.11	10	1/2	12.7	1-1/2	3/4	2-41/64	990.423.00	791.003.00	990.058.00	991.057.00
838.445.11		10	5/8	15.87	1-3/4	7/8	2-1/2	990.423.00	791.003.00	990.058.00	991.057.00
	838.945.11	10	5/8	15.87	1-3/4	7/8	2-3/4	990.423.00	791.003.00	990.058.00	991.057.00
	838.990.11	10	3/4	19.05	2	1	2-57/64	990.423.00	791.003.00	990.058.00	991.057.00
	838.991.11	10	7/8	22.2	2-1/4	1-1/8	3-1/32	990.423.00	791.003.00	990.058.00	991.057.00
	838.992.11 *	10	1	25.4	2-1/2	1-5/16	3-13/64	990.423.00	791.003.00	990.058.00	991.057.00
	838.993.11 *	10	1-1/8	28.6	3	1-1/2	3-1/2	541.550.00	791.004.00	990.058.00	991.057.00
	838.994.11 *	10	1-1/4	31.7	3-1/4	1-3/4	3-49/64	541.550.00	791.004.00	990.058.00	991.057.00
	838.996.11 *	10	1-1/2	38.1	3-1/2	1-3/4	3-41/64	990.423.00	791.003.00	990.058.00	991.057.00

* Use on router tables only

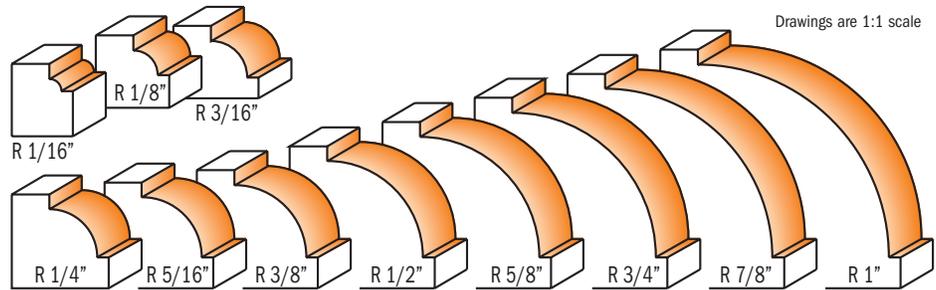
°791.044.00 Delrin® Bearing

Beading Bits



839

Beading Bits are similar to the Roundover profile, but a smaller bearing produces a delicate inset at the base of the cut, giving you an extra decorative option.



Drawings are 1:1 scale

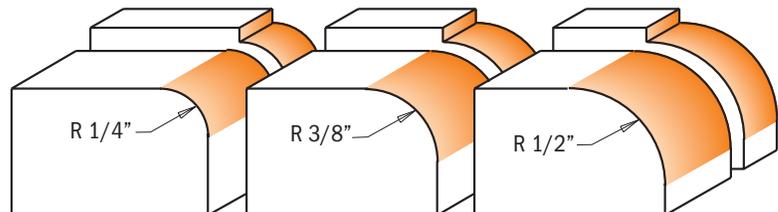
ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	Box	R		D inches	I inches	L inches	Spare parts			
			inches	mm				Washer	Washer	Pin	Pin
839.160.11		10	1/16	1.6	5/8	1/2	2-1/16	990.422.00	791.002.00	990.058.00	991.057.00
839.190.11		10	1/8	3.2	3/4	1/2	2-1/16	990.422.00	791.002.00	990.058.00	991.057.00
839.222.11		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	10	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*	10	1	25.4	2-1/2	1-5/16	3-1/8	990.422.00	791.002.00	990.058.00	991.057.00

*Use only on router table

Roundover Sets



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.



Drawings are 1:1 scale

838.001.11 3 piece Roundover Set 1/4" shank

SET CONTAINS	ORDER NO. 1/4" shank	inches	R mm	I inches
Roundover bit	838.254.11	1/4	6.35	1/2
Roundover bit	838.317.11	3/8	9.5	5/8
Roundover bit	838.380.11	1/2	12.7	3/4

838.501.11 3 piece Roundover Set 1/2" shank

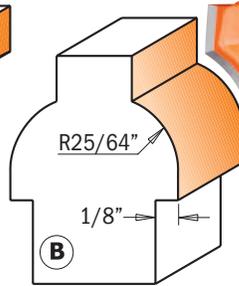
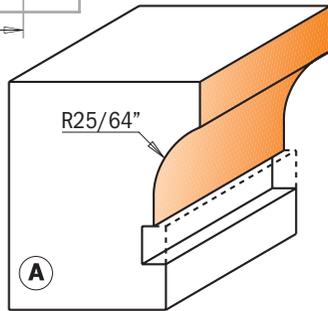
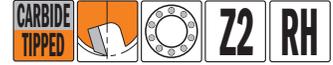
SET CONTAINS	ORDER NO. 1/2" shank	inches	R mm	I inches
Roundover bit	838.754.11	1/4	6.35	1/2
Roundover bit	838.817.11	3/8	9.5	5/8
Roundover bit	838.880.11	1/2	12.7	3/4

Ovolo Sash Bits

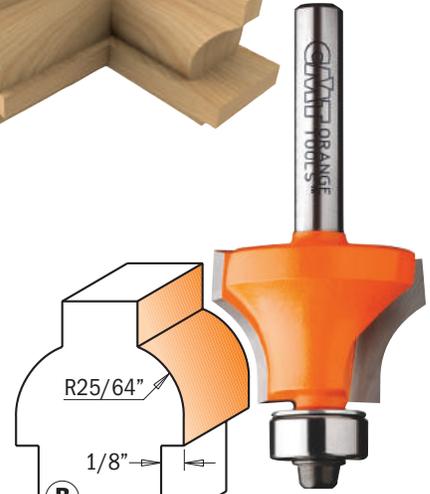


855.3

Make gorgeous divided light doors for fine furniture and cabinets or try your hand at the classic sash window or even a stile & rail construction. The glazing bar ovolo bit is bearing-guided so that curved frames can be moulded. These bits also craft easy-to-pull drawer handles.



Drawings are 1:1 scale

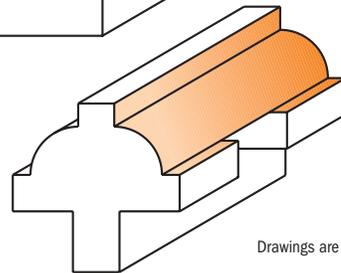
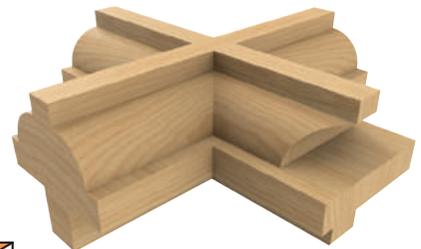
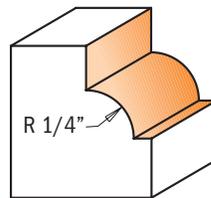
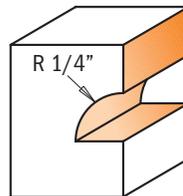
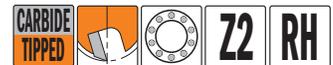


ORDER NO. 1/4" shank		D		I	R	L	PROFILE	Spare parts			
	boxes	inches	mm	inches	inches	inches					
855.307.11M	10	63/64	25	3/4	25/64	2	A				
855.307.11F	10	7/8	22	3/4	25/64	2	B				
855.308.11F	10	1-7/64	28	3/4	25/64	2-13/32	C	990.423.00	791.003.00	990.058.00	991.057.00

Ovolo Sash Set



855.802



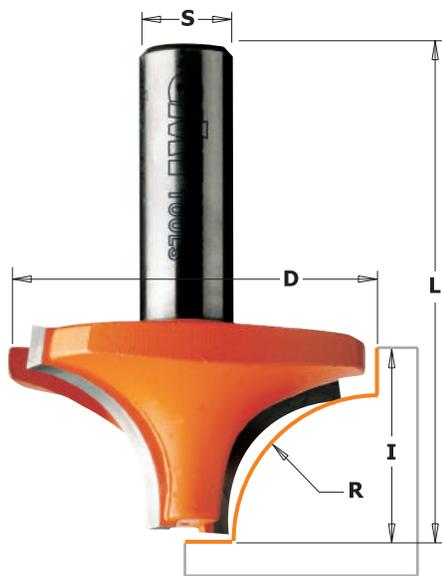
Drawings are 1:1 scale

ORDER NO. 1/2" shank		D		d	I	R	L	Spare parts			
	boxes	inches	mm	inches	inches	inches	inches				
855.802.11	5	1-1/4	31.7	1-3/16	15/32	1/4	2-25/64 - 2-1/4	990.423.00	791.003.00	990.058.00	991.057.00

Spare parts 791.011.00 Ø3/4" bearing 541.002.00 Stop collar for Ø1/2" shanks

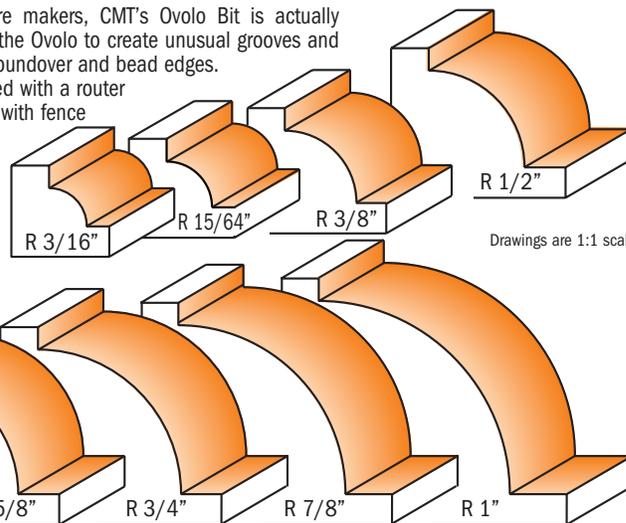
991.056.00 1.5mm hex key

Ovolo Bits



827

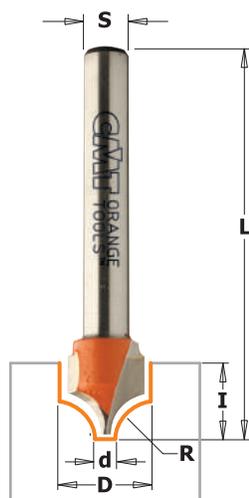
An ideal bit for furniture makers, CMT's Ovolo Bit is actually several bits in one. Use the Ovolo to create unusual grooves and beads, as well as clean roundover and bead edges. These bits should be used with a router edge guide, router table with fence or on automated router systems.



Drawings are 1:1 scale

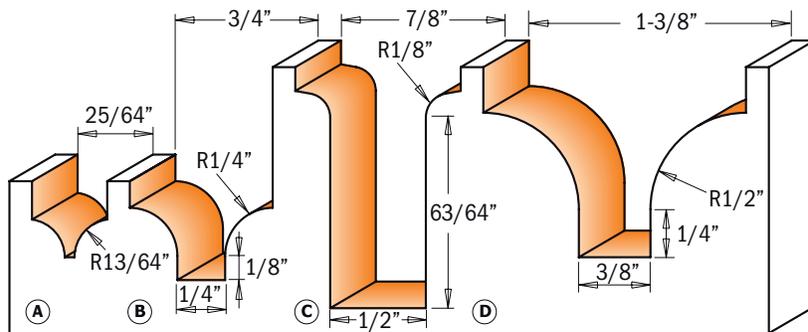
ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	Box	R		D inches	I inches	L inches
			inches	mm			
827.050.11		10	3/16	5	13/16	15/32	1-23/32
827.060.11		10	15/64	6	29/32	15/32	1-23/32
	827.560.11	10	15/64	6	29/32	15/32	1-31/32
827.095.11		10	3/8	9.52	1-1/4	5/8	1-7/8
	827.595.11	10	3/8	9.52	1-1/4	5/8	2-1/8
827.127.11		10	1/2	12.7	1-1/2	3/4	2
	827.627.11	10	1/2	12.7	1-1/2	3/4	2-1/4
	827.660.11	10	5/8	15.87	1-3/4	7/8	2-3/8
	827.690.11	10	3/4	19.05	2	1	2-1/2
	827.722.11	10	7/8	22.2	2-1/4	1-1/8	2-5/8
	827.754.11	10	1	25.4	2-1/2	1-5/16	2-13/16

Decorative Beading Bits



865

Beautify your doors, drawer fronts and create gorgeous edging! You can create all kinds of eye-catching pieces with this carbide-tipped cutting edged bit.



Drawings are 1:1 scale



ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	Box	D		d inches	R inches	I inches	L inches	PROFILE
			inches	mm					
865.402.11		10	25/64	10	1/16	13/64	25/64	1-31/32	A
	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

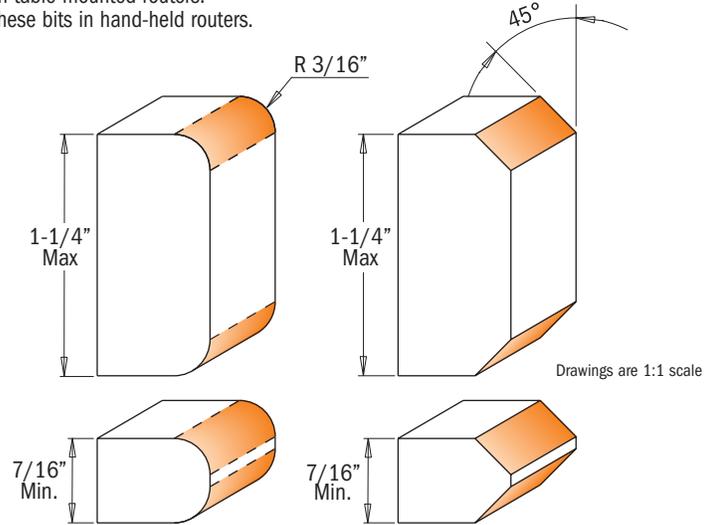
Adjustable Roundover & Bevel Bit



800.623

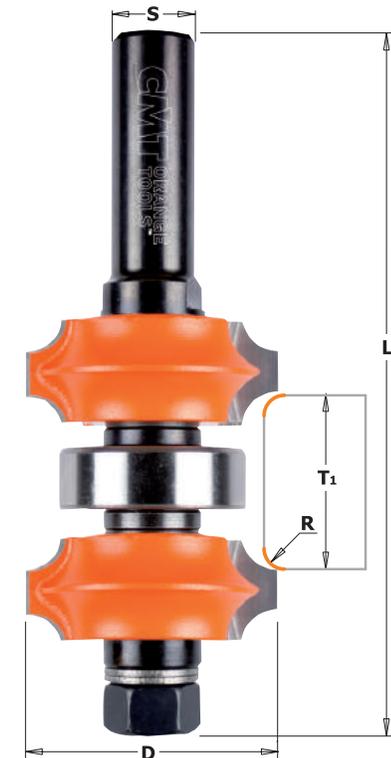


These new CMT bits are ideal for completing knock-out projects! Create a double R3/16" roundover profile, a double 45° bevel or even a mixed profile on your wood panels easily and cost effectively! Interchangeable shims are included to allow for different stock thicknesses. To be used on table-mounted routers. Avoid using these bits in hand-held routers.



Drawings are 1:1 scale

ORDER NO. 1/2" shank		D	T ₁	R	A	L	Spare parts				
	inches	mm	inches	inches		inches					
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	822.029.11	822.030.11
Spare parts		541.500.00	3mm spacer	541.517.00	0.5mm spacer	541.519.00	5.8mm spacer				
		541.515.00	0.1mm spacer	541.518.00	1mm spacer	990.020.00	Nut for arbor, M8 thread				

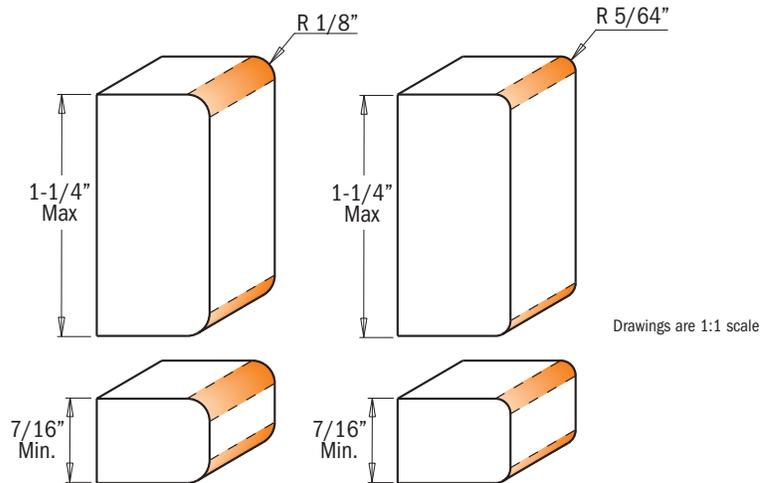


Adjustable Corner Round Bit

800.622



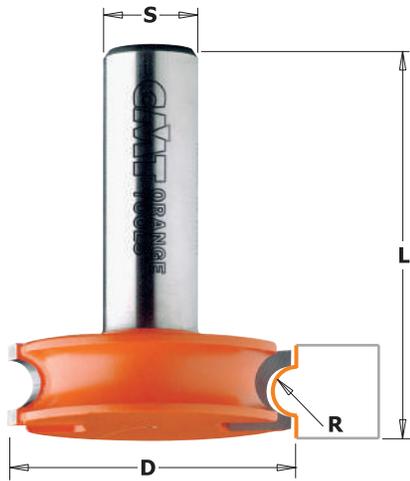
Want to save some time? With this Adjustable Corner Roundover Bit, round edges in one pass instead of two! For use on all materials like plywood, softwood and hardwood. To be used on table-mounted routers. Not for use on hand-held routers.



Drawings are 1:1 scale

ORDER NO. 1/2" shank		D	T ₁	R	R	L	Spare parts				
	inches	mm	inches	inches	inches	inches					
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	822.031.11	822.032.11
Spare parts		541.500.00	3mm spacer	541.517.00	0.5mm spacer	541.519.00	5.8mm spacer				
		541.515.00	0.1mm spacer	541.518.00	1mm spacer	990.020.00	Nut for arbor, M8 thread				

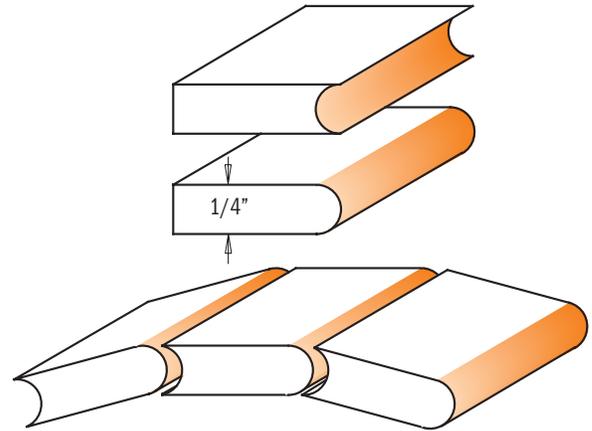
Flute & Bead Set



855.701



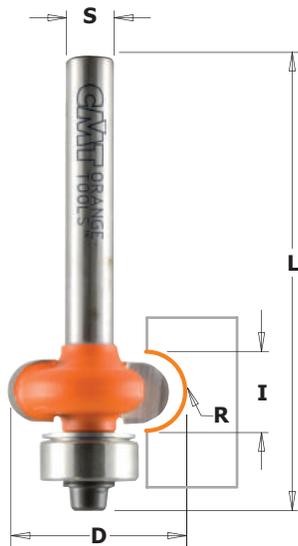
Build your own cedar strip canoe, hot tub, or make any curved shape you need for that special project with this perfectly matched CMT set. Durable carbide tips stay sharp even after cutting great quantities of stock. The anti-kickback design helps ensure your safety when routing. When fluting and beading 1/4" slats for a curved glue-up as shown below, use both the flute and the bead bits in the set.



Drawings are 1:1 scale

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

Edge-Fluting Bits



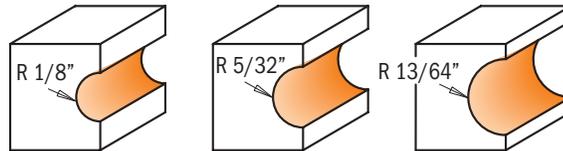
862



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 required. Use in a handheld or table-mounted router.



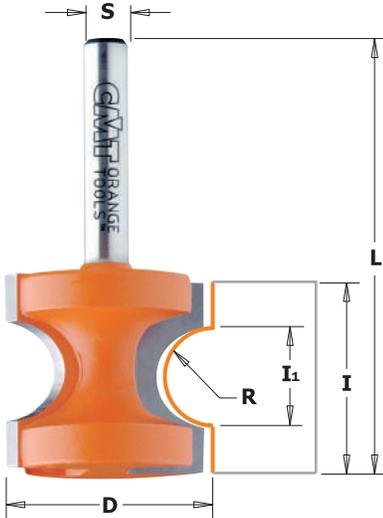
For top bearing version: use bearing 791.010.00 and stop collar 541.001.00 (optional)



Drawings are 1:1 scale

ORDER NO.		R	D	I	L	Spare parts			
1/4" shank	inches	mm	inches	inches	inches				
862.032.11	10	1/8 3.2	3/4	1/4	2-1/4	990.423.00	791.003.00	990.058.00	991.057.00
862.040.11	10	5/32 4	13/16	5/16	2-1/4	990.423.00	791.003.00	990.058.00	991.057.00
862.050.11	10	13/64 5	57/64	25/64	2-1/4	990.423.00	791.003.00	990.058.00	991.057.00

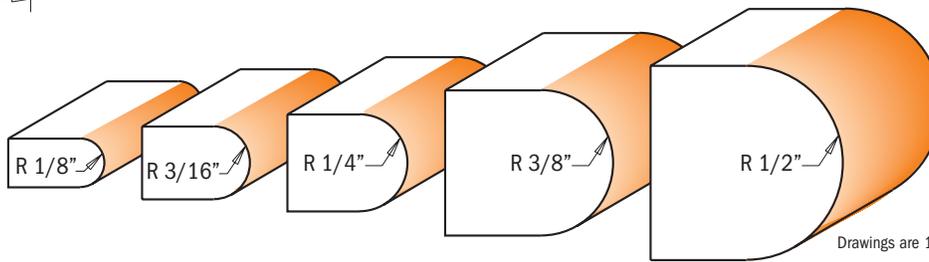
Bull Nose Bits



854

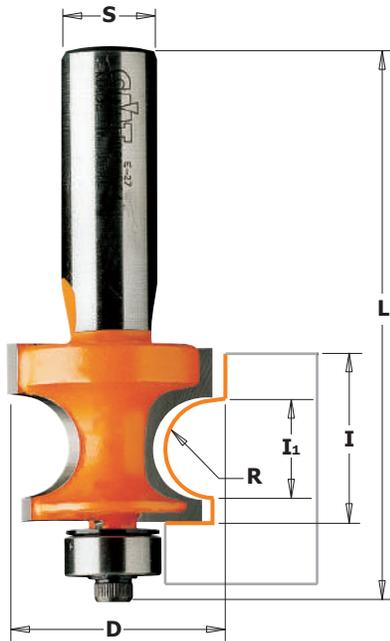
If you're looking to complete stair tread edges, window sills or shelves, the Bull Nose Bit is the perfect choice! Even oval edges are easy...just use a bit with a bead diameter greater than the stock thickness. This bit features anti-kickback design and CMT's trademark orange PTFE Industrial coating.

ORDER NO. 1/4" shank	ORDER NO. 1/2" shank		inches	R	D	I ₁	I	L
				mm	inches	inches	inches	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



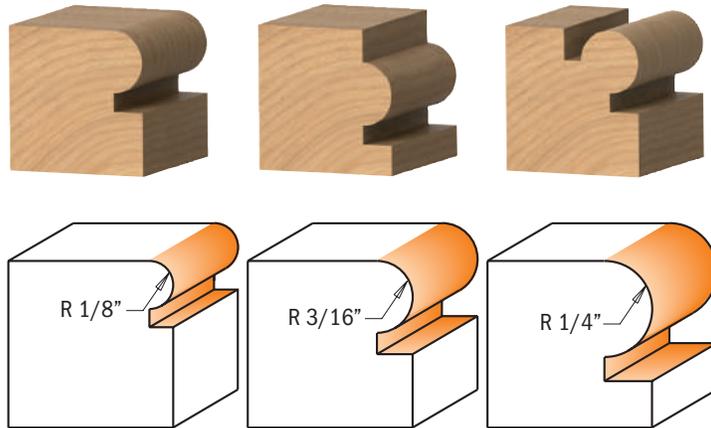
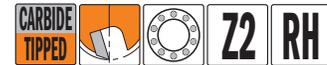
Drawings are 1:1 scale

Corner Beading Bits



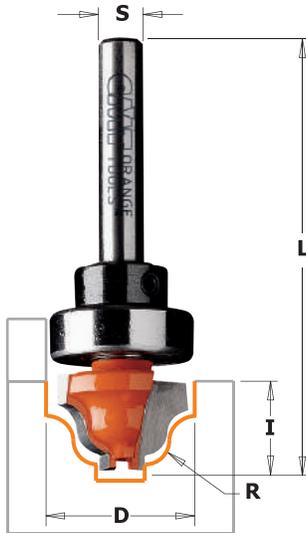
861

Although Corner Beading bits look like Bull Nose bits, their smaller cutting diameter adjacent to the bearing makes them the perfect tool for crafting table legs and other furniture details. The drawings below provide an idea of the types of shapes you can form with a single bit. Use one pass to mill an attractive rounded edge, or make two passes to mill a full-round corner bead.



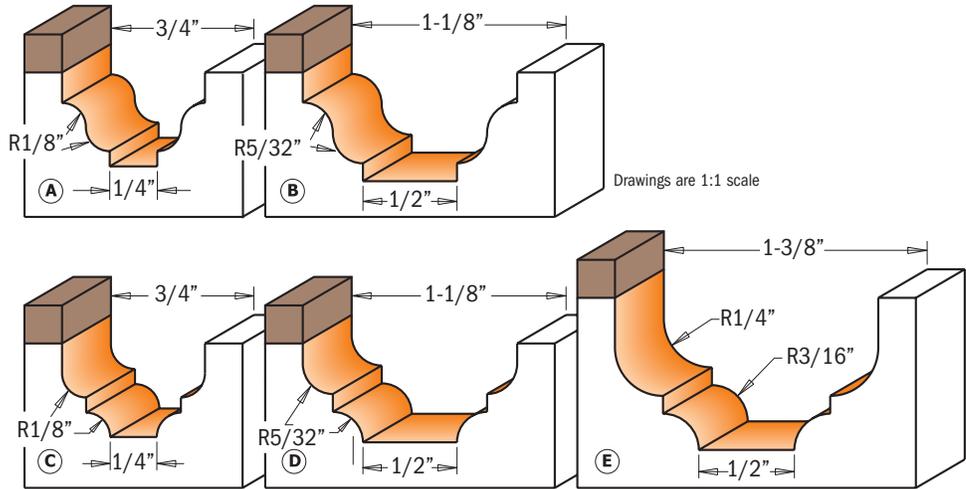
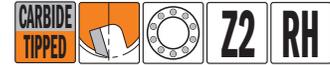
Drawings are 1:1 scale

ORDER NO. 1/4" shank	ORDER NO. 1/2" shank		inches	R	D	I ₁	I	L	Spare parts			
				mm	inches	inches	inches	inches				
861.032.11		10	1/8	3.2	7/8	1/4	19/32	2-1/4	990.423.00	791.003.00	990.058.00	991.057.00
	861.532.11	10	1/8	3.2	7/8	1/4	19/32	2-1/2	990.423.00	791.003.00	990.058.00	991.057.00
861.048.11		10	3/16	4.75	1	3/8	47/64	2-25/64	990.423.00	791.003.00	990.058.00	991.057.00
	861.548.11	10	3/16	4.75	1	3/8	47/64	2-41/64	990.423.00	791.003.00	990.058.00	991.057.00
861.064.11		10	1/4	6.35	1-1/8	1/2	7/8	2-9/16	990.423.00	791.003.00	990.058.00	991.057.00
	861.564.11	10	1/4	6.35	1-1/8	1/2	7/8	2-25/32	990.423.00	791.003.00	990.058.00	991.057.00



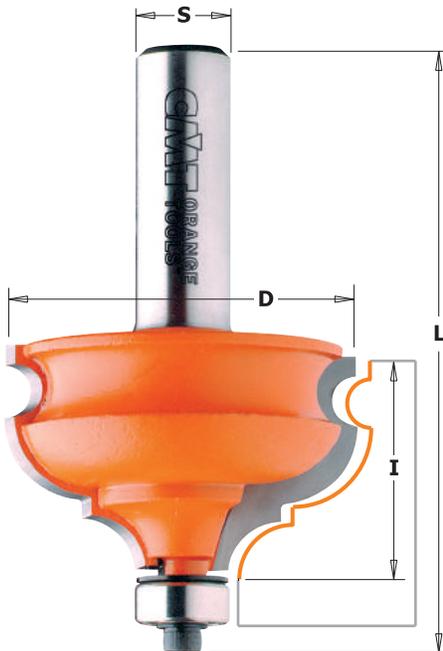
865B

CMT's new classic panel ogee bit with ball bearing guide gives you even more decorative possibilities for panel and edge work. The bit design gives you a wide flat bottom cut and the longer shank allows for deeper detailing.



ORDER NO. 1/4" shank	ORDER NO. 1/2" shank		D	R	I	L	PROFILE	Spare parts				
			inches	mm	inches	inches	inches					
865.201.11B		10	3/4	19.05	1/8	31/64	2-1/8	A	791.004.00	541.001.00	990.005.00	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	990.005.00	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	990.005.00	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	990.005.00	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	990.005.00	991.056.00

Molding Bit



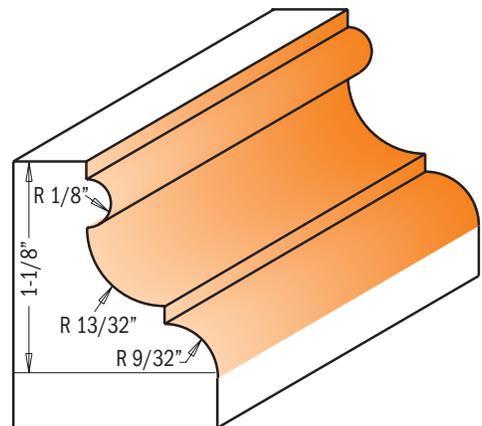
856.501

CMT Molding Bits offer a wide range of decorative possibilities so you can create the edge profile you've always dreamed about!



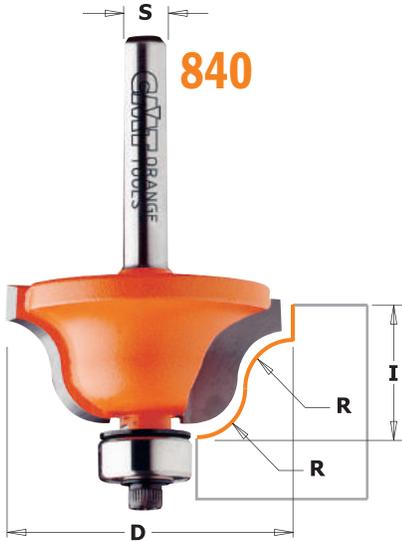
SHOP TIPS: multiple pass operations require advance planning. To avoid making a mistake that could render the job impossible to finish, carefully consider the entire cutting sequence before you begin.

SAFETY TIPS: all large diameter bits such as these should be used with caution and on router tables equipped with a fence. For best results, 2-1/4 HP routers are recommended. Routers as low-powered as 1-1/2 HP can be used if limited to shorter, shallower runs. When possible, reduce the RPMs of the router for operations requiring the use of these bits.

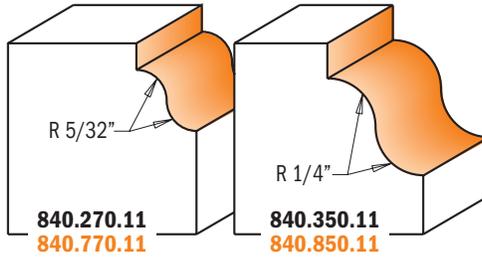


ORDER NO. 1/2" shank		D	I	L	Spare parts				
		inches	inches	inches					
856.501.11	10	1-7/8	47.6	1-1/8	3-1/16	990.423.00	791.003.00	990.058.00	991.057.00

Roman Ogee Bits



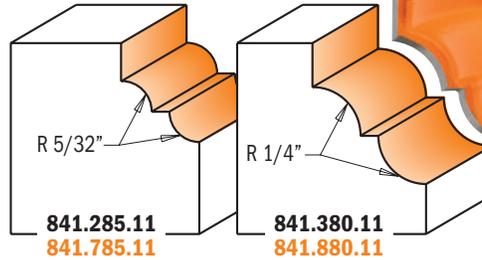
840



840.270.11
840.770.11

840.350.11
840.850.11

Drawings are 1:1 scale



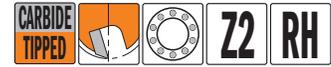
841.285.11
841.785.11

841.380.11
841.880.11

841



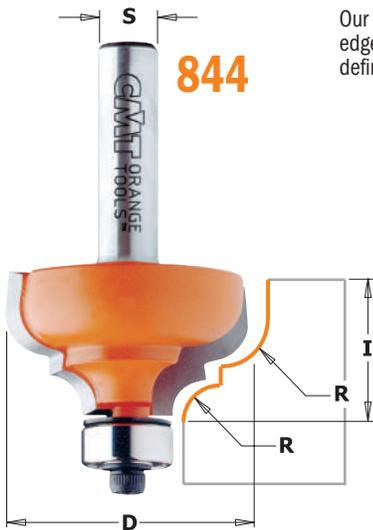
This bit takes the Roman ogee one step further, with a horizontal bead in the middle of the profile to add more interest to the shape. This bit is appropriate for many classical projects that need more detail on the edge.



ORDER NO. 1/4" shank	ORDER NO. 1/2" shank		R		D	I	Spare parts			
			inches	mm	inches	inches				
840.270.11	840.770.11	10	5/32	4	1-1/8	29/64	990.423.00	791.003.00	990.058.00	991.057.00
840.350.11	840.850.11	10	1/4	6.35	1-1/2	11/16	990.423.00	791.003.00	990.058.00	991.057.00
841.285.11	841.785.11	10	5/32	4	1-5/16	1/2	990.423.00	791.003.00	990.058.00	991.057.00
841.380.11	841.880.11	10	1/4	6.35	1-11/16	3/4	990.423.00	791.003.00	990.058.00	991.057.00

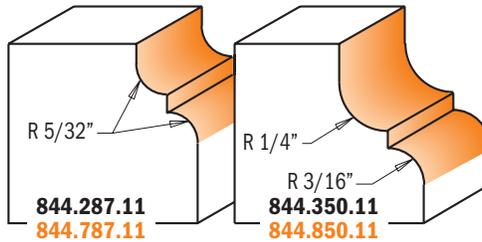
SHOP TIPS: after resharpening, use an undersized bearing.
791.063.00 Ø12,5 replace bearing 791.003.00 (Ø12,7) after resharpening

Classical Ogee Bits



844

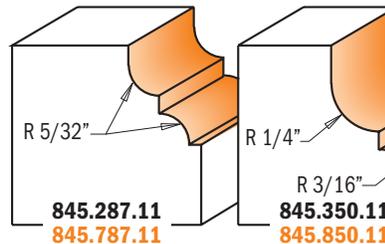
Our Classical Ogee Bits feature an inverted ogee profile, with the concave edge adjacent to the upper surface of the workpiece. These bits further define the edge with a horizontal bead along the bottom of the cut.



844.287.11
844.787.11

844.350.11
844.850.11

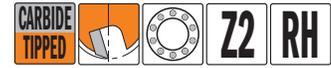
Drawings are 1:1 scale



845.287.11
845.787.11

845.350.11
845.850.11

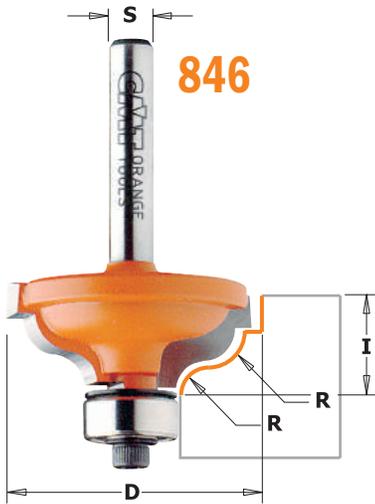
845



ORDER NO. 1/4" shank	ORDER NO. 1/2" shank		R		D	I	Spare parts			
			inches	mm	inches	inches				
844.287.11	844.787.11	10	5/32	4	1-1/8	1/2	990.423.00	791.003.00	990.058.00	991.057.00
844.350.11	844.850.11	10	1/4 - 3/16	6.35 - 4.8	1-3/8	47/64	990.423.00	791.003.00	990.058.00	991.057.00
845.287.11	845.787.11	10	5/32	4	1-1/8	1/2	990.422.00	791.002.00	990.058.00	991.057.00
845.350.11	845.850.11	10	1/4 - 3/16	6.35 - 4.8	1-3/8	47/64	990.422.00	791.002.00	990.058.00	991.057.00

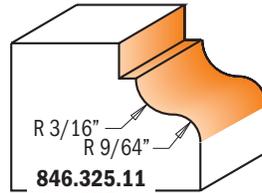
SHOP TIPS: after resharpening, use an undersized bearing.
791.062.00 Ø9,3 replace bearing 791.002.00 (Ø9,5) after resharpening
791.063.00 Ø12,5 replace bearing 791.003.00 (Ø12,7) after resharpening

Ogee with Fillet Bits



846

Increase your decorative options with our full range of CMT Ogee Bits. Micrograin carbide edges, high-strength European steel and our trademark orange coating make this bit unbeatable for intricate detail work. The 847 bits adds an inset bead along the lower edge of the cut providing an extra decorative flair!



846.325.11
846.825.11

Drawings are 1:1 scale



847

847.325.11
847.825.11

ORDER NO. 1/4" shank	ORDER NO. 1/2" shank		R		D	I
			inches	mm	inches	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
990.422.00	791.002.00	990.058.00	991.057.00

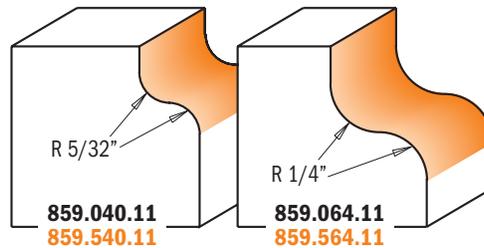
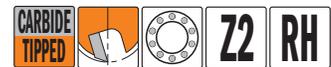
SHOP TIPS: after resharpening, use an undersized bearing.
791.062.00 Ø9,3 replace bearing 791.002.00 (Ø9,5) after resharpening
791.063.00 Ø12,5 replace bearing 791.003.00 (Ø12,7) after resharpening

Ogee Bits



859

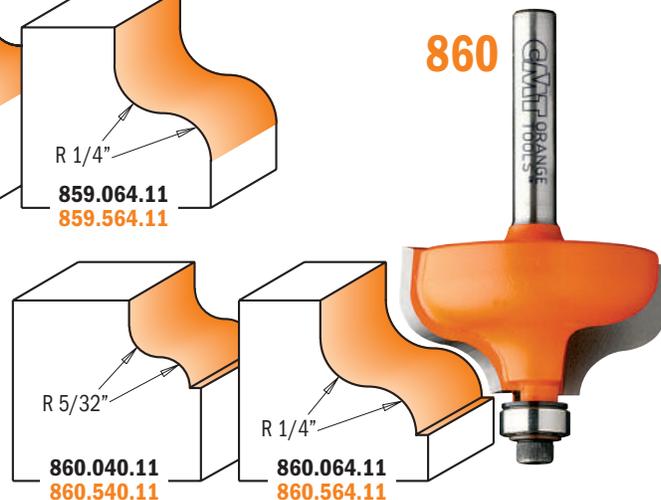
These profiles are the mirror image of the traditional Roman ogee. They add a sharp defining detail to the edges of cabinets and furniture before rolling into a smooth convex shape. For an extra inset bead along the lower edge of the cut choose the Ogee with Inset Bead bits (860 series).



859.040.11
859.540.11

859.064.11
859.564.11

Drawings are 1:1 scale



860

860.040.11
860.540.11

860.064.11
860.564.11

ORDER NO. 1/4" shank	ORDER NO. 1/2" shank		R		D	I
			inches	mm	inches	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, use an undersized bearing.
791.062.00 Ø9,3 replace bearing 791.002.00 (Ø9,5) after resharpening
791.063.00 Ø12,5 replace bearing 791.003.00 (Ø12,7) after resharpening

Molding Bits



Why waste time searching for a particular style of frame molding when you can make your own just as quickly and easily. With CMT's wide range of decorative molding bits, you can always create the edge profile you want, anywhere, any time. Best of all, they're made to last a lifetime - carbide-tipped cutters and solid bar stock steel shanks can withstand serious use and the baked-on non-stick PTFE coating ensures non-stop clean, smooth-running cuts. The anti-kickback feature lets you work more safely when using these wide profile bits.

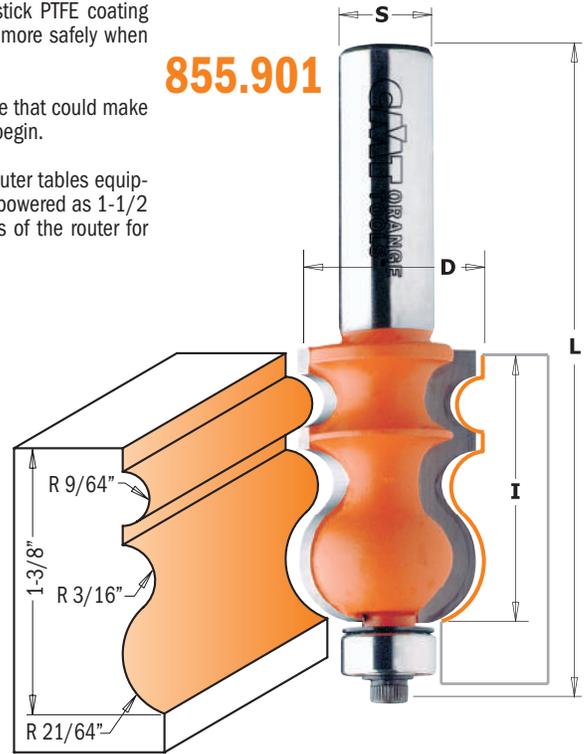


SHOP TIPS: multiple pass operations require advance planning. To avoid making a mistake that could make the job impossible to finish, carefully consider the entire cutting sequence before you begin.

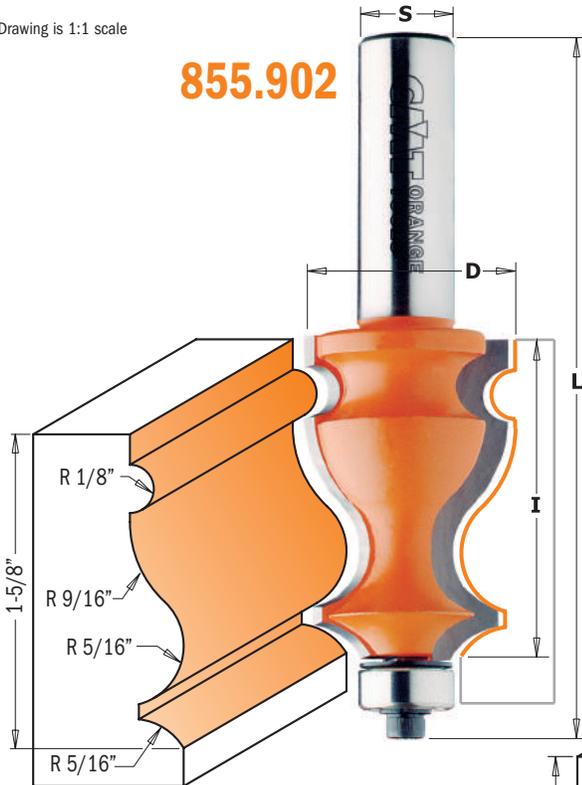
SAFETY TIPS: all large diameter bits such as these should be used with caution and on router tables equipped with a fence. For best results, 2-1/4 HP routers are recommended. Routers as low-powered as 1-1/2 HP can be used if limited to shorter, shallower runs. When possible, reduce the RPMs of the router for operations requiring the use of these bits.

Drawing is 1:1 scale

855.901



855.902



867.701

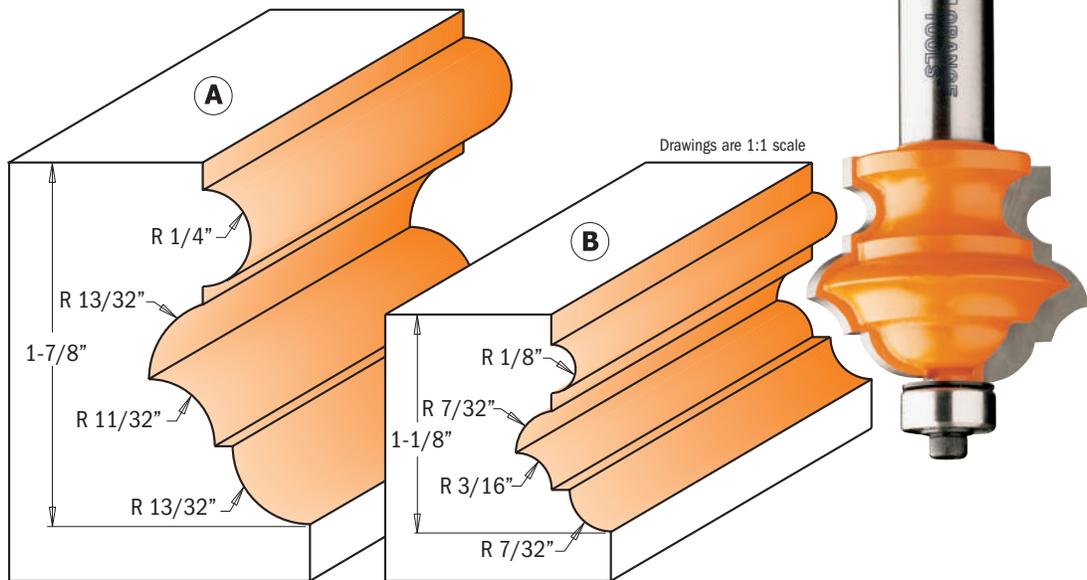
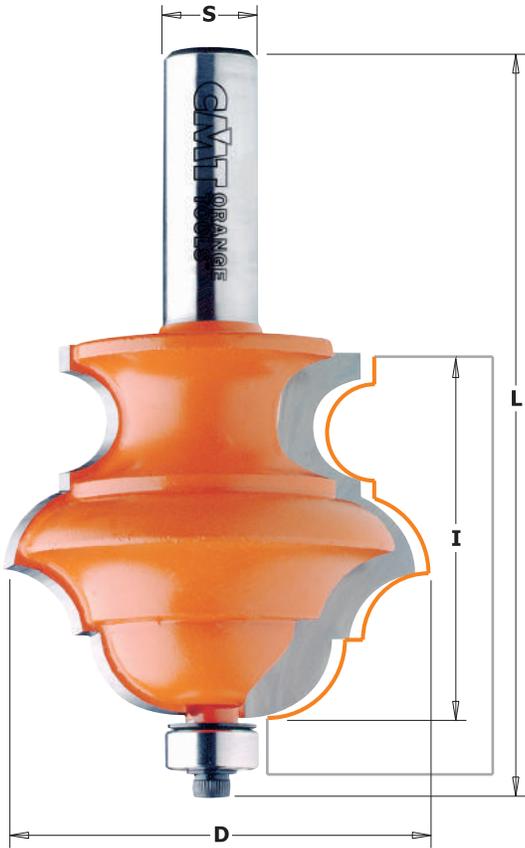
ORDER NO. 1/2" shank	Box	D		I	L	Spare parts			
		inches	mm			Bearing	Washer	Pin	Hex Key
855.901.11	10	15/16	23.8	1-3/8	3-5/16	990.423.00	791.003.00	990.058.00	991.057.00
855.902.11	10	1-1/16	27	1-5/8	3-9/16	990.423.00	791.003.00	990.058.00	991.057.00
new 867.701.11	10	2-1/4	58	1	2-7/8				

SHOP TIPS: after resharpening, use an undersized bearing.
791.063.00 Ø12,5 replace bearing 791.003.00 (Ø12,7) after resharpening



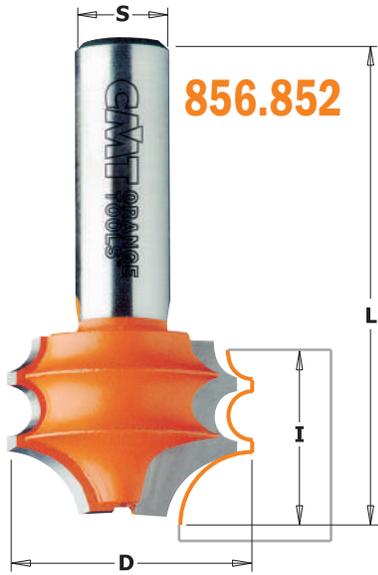
856.8

When we named this the Multiprofile Bit, we weren't kidding. In fact, there's almost no limit to the number of shapes you can rout with this tool. Adjust the height of the bit or the position of the router table fence to create classic profiles in a single pass. Or make several passes to create more complex and decorative effects. The super-strength steel body of the CMT multiprofile bit stands up to hours of cutting, and the micrograin carbide tips stay sharp longer for a guaranteed superior performance. Features baked-on non-stick PTFE coating and anti-kickback design. Use on tables equipped with a fence.



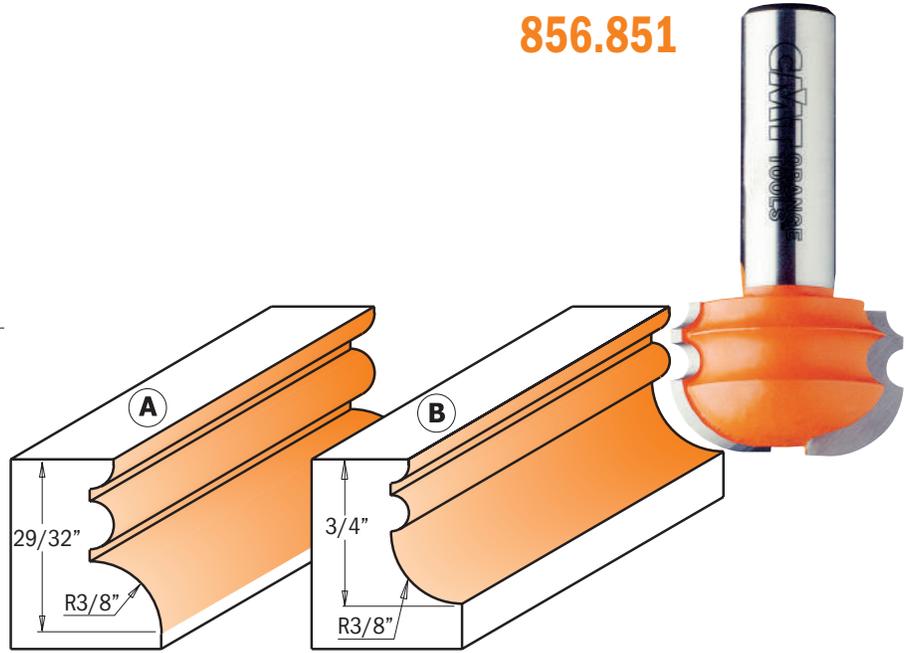
ORDER NO. 1/2" shank	Box Icon	D		I	L	PROFILE	Spare parts			
		inches	mm				Washer	Washer	Pin	Pin
856.802.11	10	2-3/16	55.6	1-7/8	3-25/32	A	990.423.00	791.003.00	990.058.00	991.057.00
856.801.11	10	1-1/2	38.1	1-1/8	3-1/16	B	990.423.00	791.003.00	990.058.00	991.057.00

Molding System

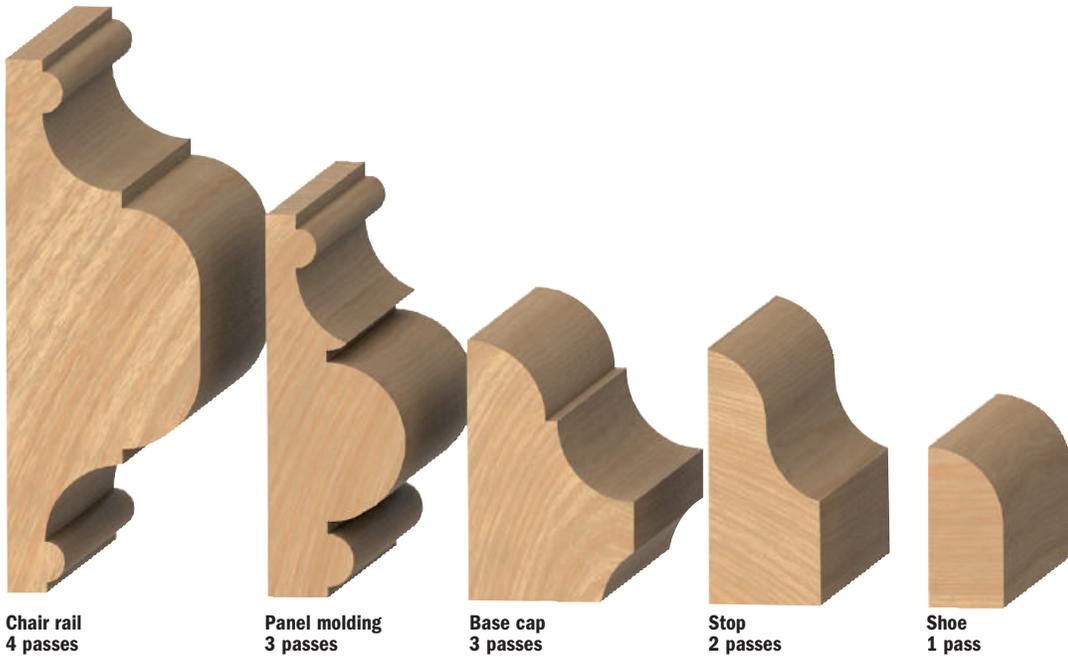


If the standard selection of molding and mill work in today's lumberyards just doesn't fill the bill, then look to CMT's molding system instead. With these bits you can make dozens of elaborate profiles by combining two or more passes. Be original and create your own moldings.

856.851

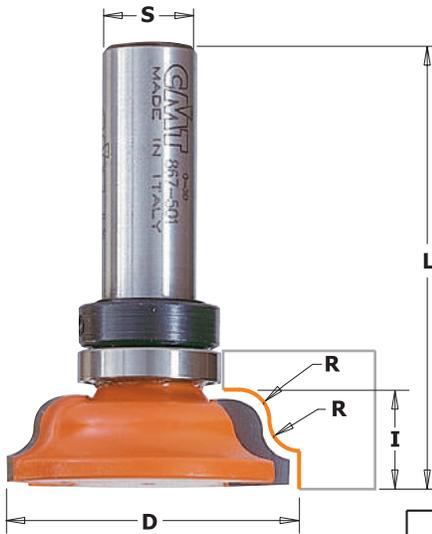


Drawings are 1:1 scale

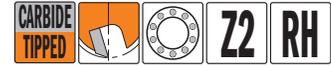


ORDER NO. 1/2" shank	Box Icon	D		I	L	PROFILE
		inches	mm	inches	inches	
856.852.11	10	1-1/4	31.7	29/32	2-13/32	A
856.851.11	10	1-1/4	31.7	3/4	2-1/4	B

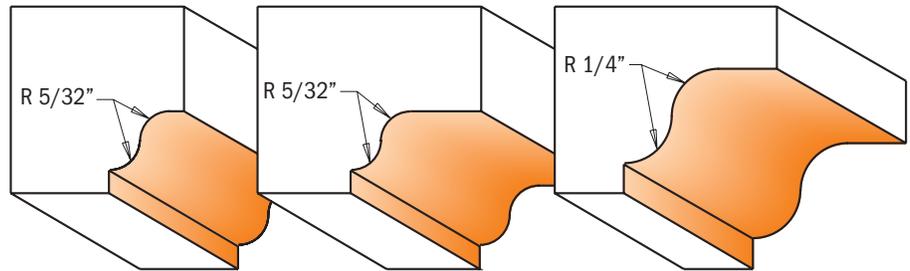
Molding Bits



867.5B



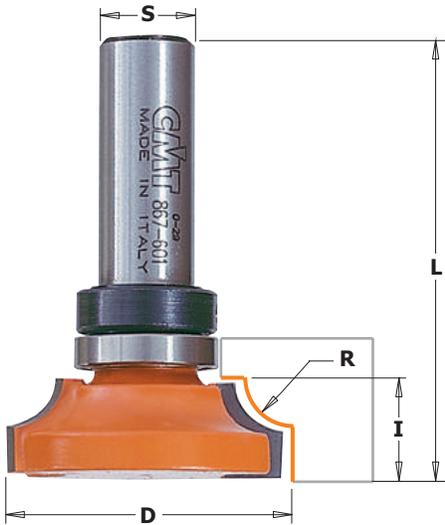
These Molding Bits feature inverted profiles that are ideal for use with a router table. Instead of running stock with the edge to be routed down on the table, the flat surface of the stock can remain on the table. These bits are also key components in our Crown Molding Set.



Drawings are 1:1 scale

ORDER NO. 1/2" shank		R		D inches	I inches	L inches	Spare parts			
		inches	mm							
867.501.11B	10	5/32	4	1-9/16	29/64	2-1/4	791.011.00	541.002.00	990.005.00	991.056.00
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
867.503.11B	10	1/4	6.35	2-3/8	11/16	2-53/64	791.011.00	541.002.00	990.005.00	991.056.00

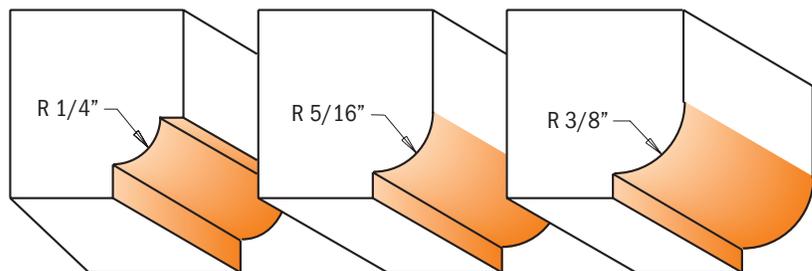
Molding Bits



867.6B



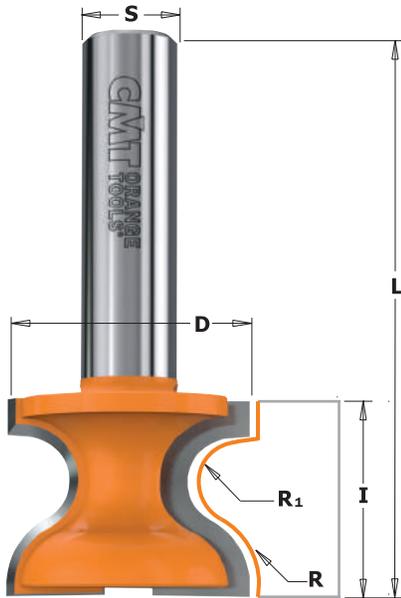
These Molding Bits feature inverted profiles that are ideal for use with a router table. Instead of running stock with the edge to be routed down on the table, the flat surface of the stock can remain on the table. These bits are also key components in our Crown Molding Set.



Drawings are 1:1 scale

ORDER NO. 1/2" shank		R		D inches	I inches	L inches	Spare parts			
		inches	mm							
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
867.602.11B	10	5/16	7.94	1-3/8	33/64	2-9/32	791.011.00	541.002.00	990.005.00	991.056.00
867.603.11B	10	3/8	9.5	1-1/2	37/64	2-21/64	791.011.00	541.002.00	990.005.00	991.056.00

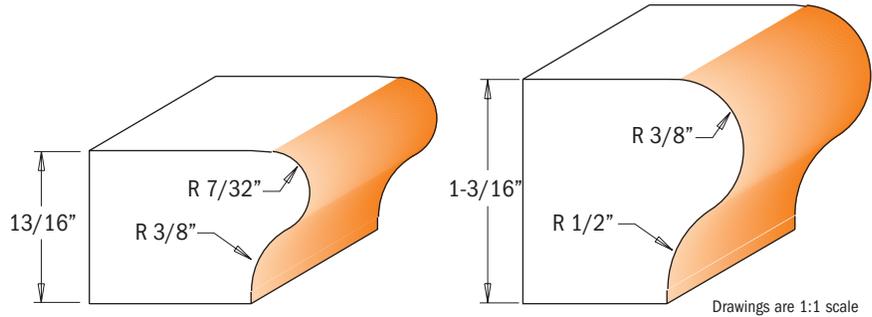
Window Sill Bits



855.8

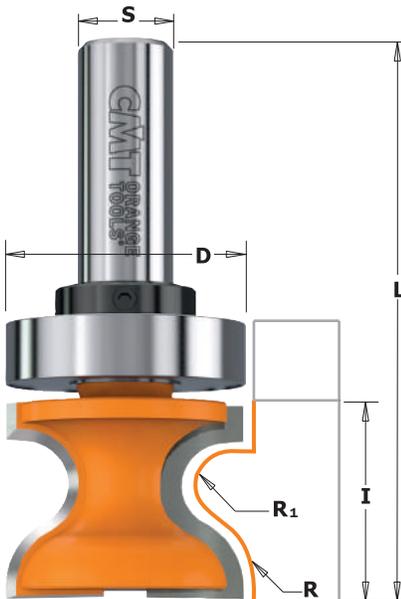


These profiles were originally intended for shaping the edges of window sills. But now these bits can also be used for creating finger pulls on the edges of doors and drawers. This profile is available in a small and large version for 13/16" or 1-3/16" material thicknesses. These bits are also available with top bearings for curved template work or without bearings for straight cuts against a fence. Recommended for router table use only.



ORDER NO. 1/2" shank	Box	R		R ₁	D	I	L
		inches	mm				
855.804.11	10	3/8	9.5	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

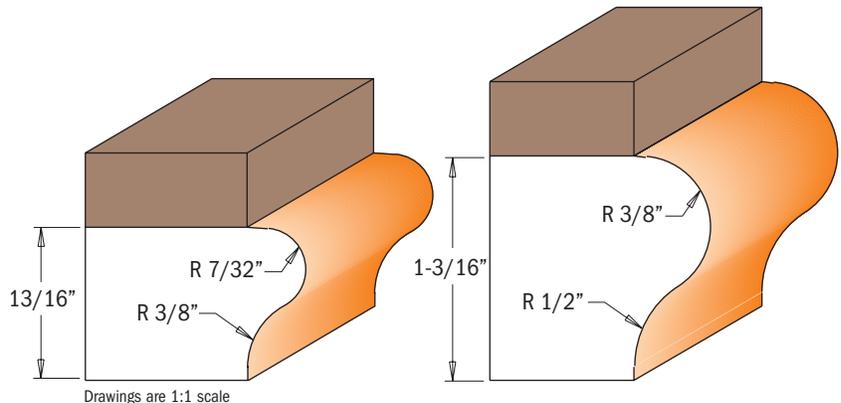
Window Sill Bits



855.8B

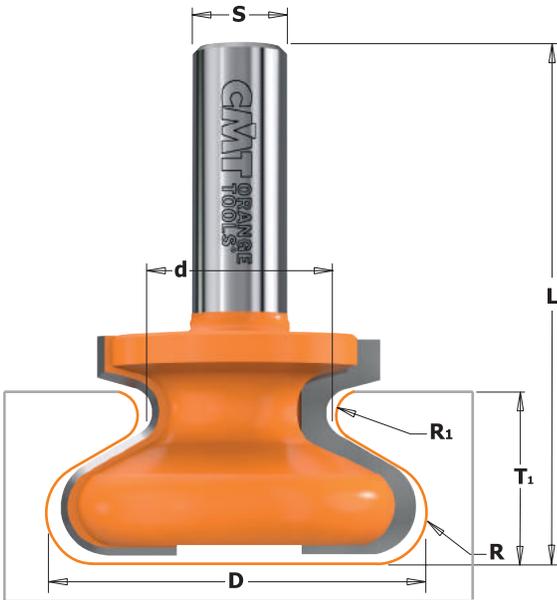


These profiles were originally intended for shaping the edges of window sills. Now these bits are also used for creating finger pulls on the edges of doors and drawers. This profile is available in a small and large version for 13/16" or 1-3/16" material thicknesses. These bits are available with top bearings for curved template work or without bearings for straight cuts against a fence. Recommended for router table use only.



ORDER NO. 1/2" shank	Box	R		R ₁	D	I	L	Spare parts			
		inches	mm					Top bearing	Bottom bearing	Spacers	Hex key
855.804.11B	10	3/8	9.5	7/32	1-1/4	1	2-7/8	791.015.00	541.002.00	990.005.00	991.056.00
855.805.11B	10	1/2	12.7	3/8	1-1/2	1-3/8	3-3/8	791.020.00	541.002.00	990.005.00	991.056.00

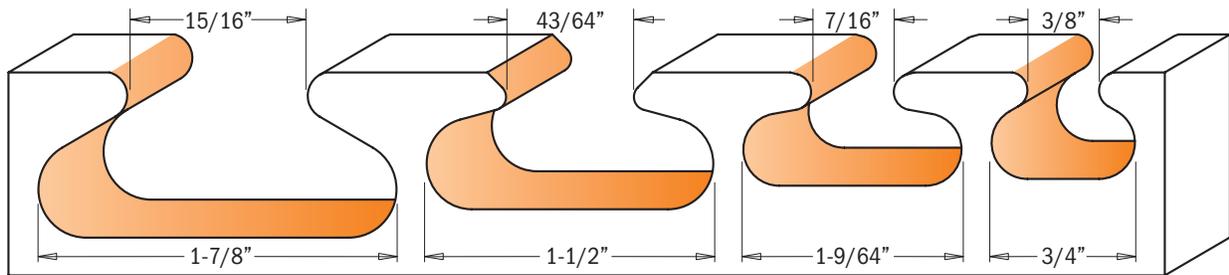
Finger Pull Bits



855.601 - 602 - 603

CARBIDE TIPPED Z2 RH

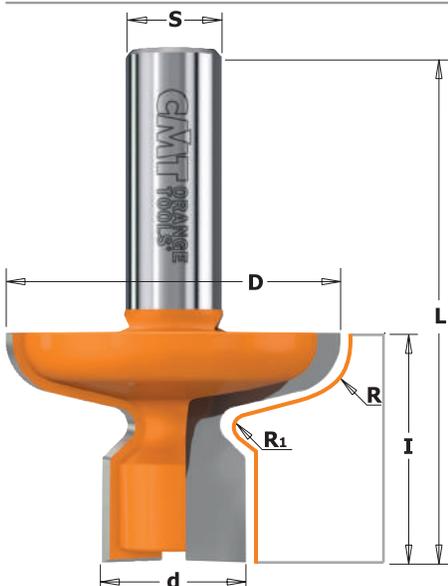
Why interrupt the subtle linearity of an all-wood drawer front or cabinet door with a metal knob or handle? Use a CMT finger pull bit and make a harmonious wooden handle. Choose your preference - a template profile made directly in the wood or a European-style hardwood pull as illustrated below.



Drawings are 1:1 scale

ORDER NO. 1/2" shank		D		d	T ₁	I	R	R ₁	L
		inches	mm	inches	inches	inches	inches	inches	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

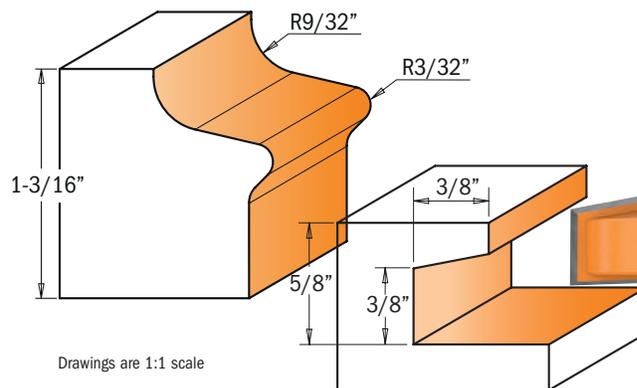
Finger Pull Door Lip Bit



855.6

CARBIDE TIPPED Z2 RH

Use this bit to create a handy finger pull on the most popular cabinet doors. Cuts all materials like hard and soft woods and plywood.



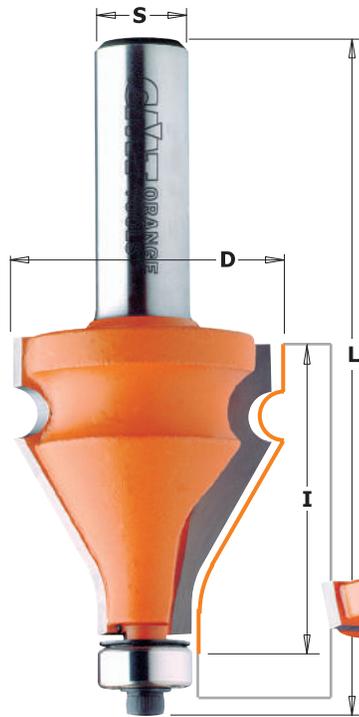
Drawings are 1:1 scale



855.606.11

ORDER NO. 1/2" shank		D	d	I	R	R ₁	L
		inches	mm	inches	inches	inches	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	2-5/8

Table Edge & Hand Rail Bits



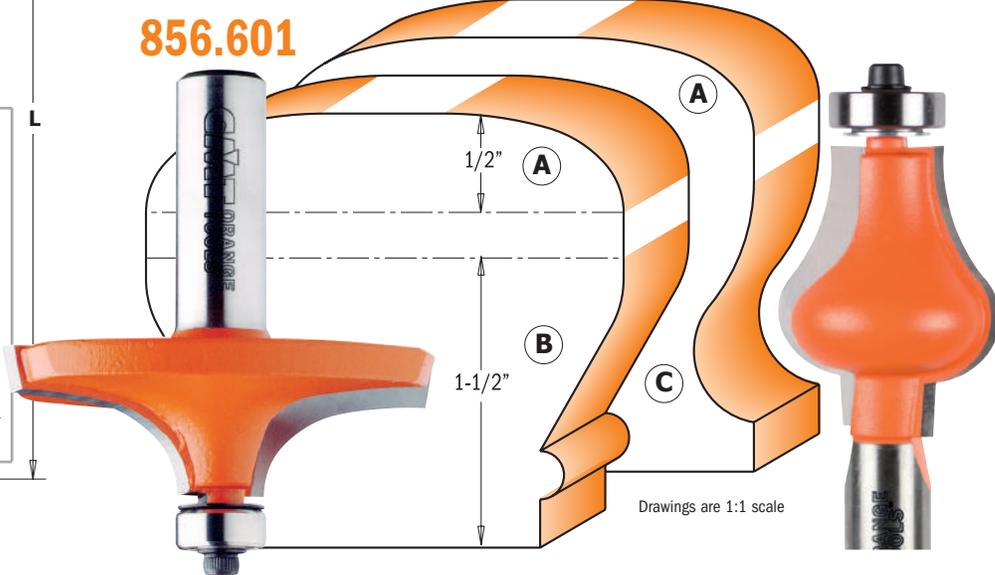
856.701-702

These bits would make a great addition to your shop, and both build the most attractive hand rails!

Table Edge Bit: Our table edge bit provides perfectly smooth and well-proportioned curves to dining and coffee table edges.

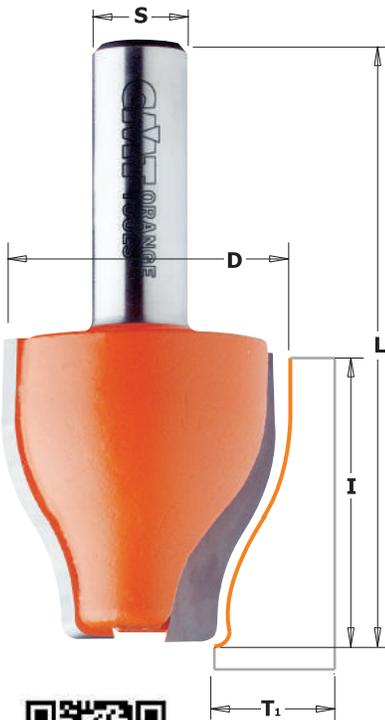
Hand Rail Bit: Featuring a 30° bevel edge and a 1/8" bead, this bit makes gorgeous and functional hand rails that add an understated touch to any architectural setting.

SAFETY PRECAUTIONS: These bits create a great quantity of sawdust. We suggest using a vacuum on your router table to make the job easier and keep the work area safe.



Drawings are 1:1 scale

ORDER NO. 1/2" shank	Box Qty	D		I	L	PROFILE	Spare parts			
		inches	mm				Washer	Lock Washer	Hex Bolt	Hex Key
856.601.11	5	2-1/2	63.5	3/4	2-11/16	A	990.423.00	791.003.00	990.058.00	991.057.00
856.701.11	10	1-3/8	35	1-1/2	3-7/16	B	990.423.00	791.003.00	990.058.00	991.057.00
856.702.11	10	1-1/4	31.7	1-1/2	3-13/32	C	990.423.00	791.018.00	990.058.00	991.057.00

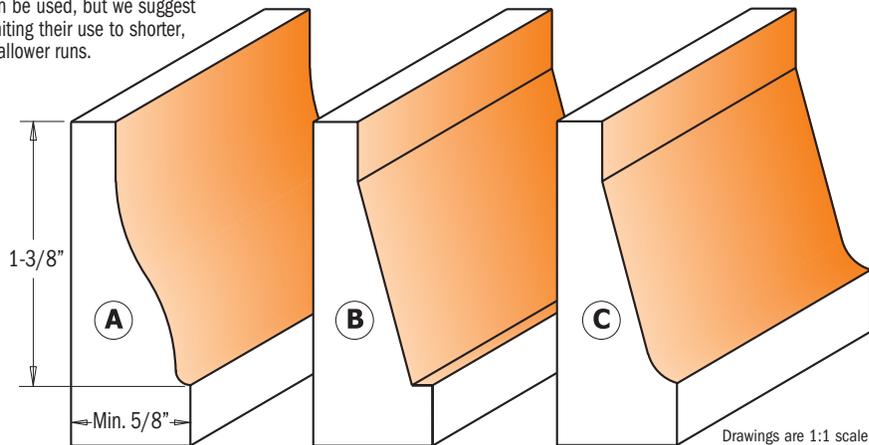


Vertical Raised Panel Bits

890.6



Create mill raised panel doors and drawer fronts easily and economically with a CMT Vertical Raised Panel bit in your router and a sturdy 90° fence on your router table. Choose your favorite style from three of the most popular panel profiles. Recommended for use on routers with a minimum speed of 2-1/4 HP. Routers as low-powered as 1-1/2 HP can be used, but we suggest limiting their use to shorter, shallower runs.



Drawings are 1:1 scale



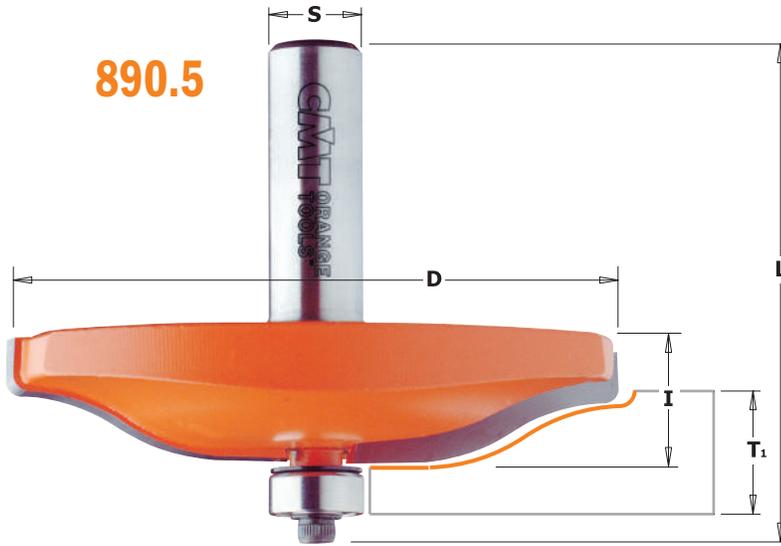
Safety Precautions: the router table fence must be at least 6" high. Three to five passes are best for safety and accuracy.

ORDER NO. 1/2" shank	Box Qty	D		I	T ₁	L	PROFILE
		inches	mm				
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

Horizontal Raised Panel Bits

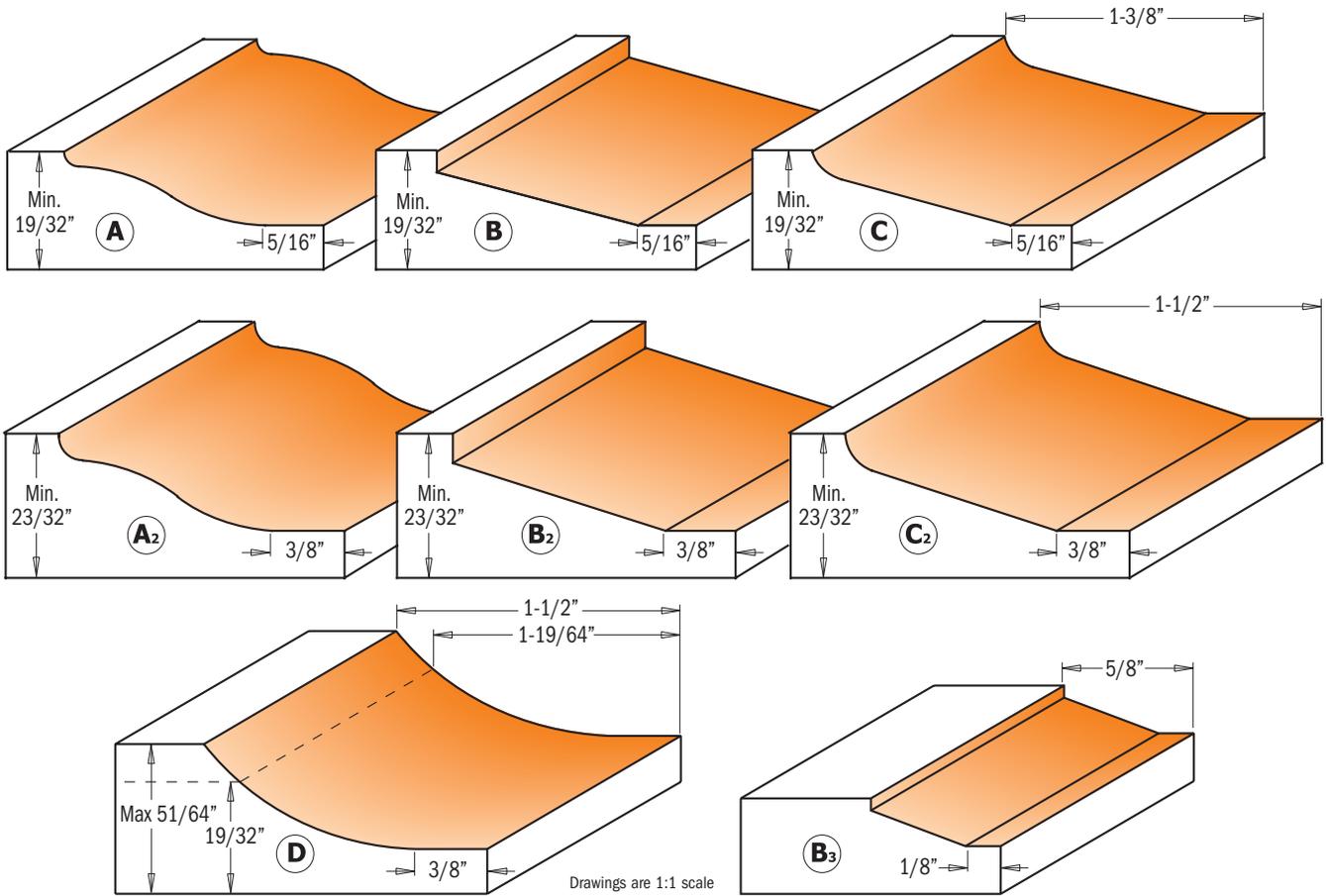


890.5



This industrial quality Raised Panel Bit crafts attractive raised panel doors thanks to precision micrograin carbide cutting edges, CMT's trademark orange coating and an anti-kickback design for increased safety.

SAFETY PRECAUTIONS: these bits must be used at a reduced rotational speed - between 10,000 to 12,000 RPM. Three to five passes are recommended. To be used with routers with at least 2-1/4 HP.



Drawings are 1:1 scale

ORDER NO. 1/2" shank	Box	D		I	T ₁	L	PROFILE	Spare parts			
		inches	mm					Washer	Washer	Lock Washer	Hex Key
890.501.11	5	3-1/4	82.5	19/32	19/32 - 23/32	2-1/2	A	990.423.00	791.003.00	990.058.00	991.057.00
890.502.11	5	3-1/4	82.5	19/32	19/32 - 23/32	2-1/2	B	990.423.00	791.003.00	990.058.00	991.057.00
890.503.11	5	3-1/4	82.5	19/32	19/32 - 23/32	2-17/32	C	990.423.00	791.003.00	990.058.00	991.057.00
890.504.11	5	3-1/2	89	19/32	23/32 - 25/32	2-17/32	A ₂	990.423.00	791.003.00	990.058.00	991.057.00
890.505.11	5	3-1/2	89	19/32	23/32 - 25/32	2-17/32	B ₂	990.423.00	791.003.00	990.058.00	991.057.00
890.506.11	5	3-1/2	89	19/32	23/32 - 25/32	2-17/32	C ₂	990.423.00	791.003.00	990.058.00	991.057.00
890.507.11	5	3-1/2	89	19/32	23/32 - 25/32	2-17/32	D	990.423.00	791.003.00	990.058.00	991.057.00
890.512.11	10	1-7/8	47.6	3/8	1/2 - 19/32	2-9/32	B ₃	990.423.00	791.003.00	990.058.00	991.057.00

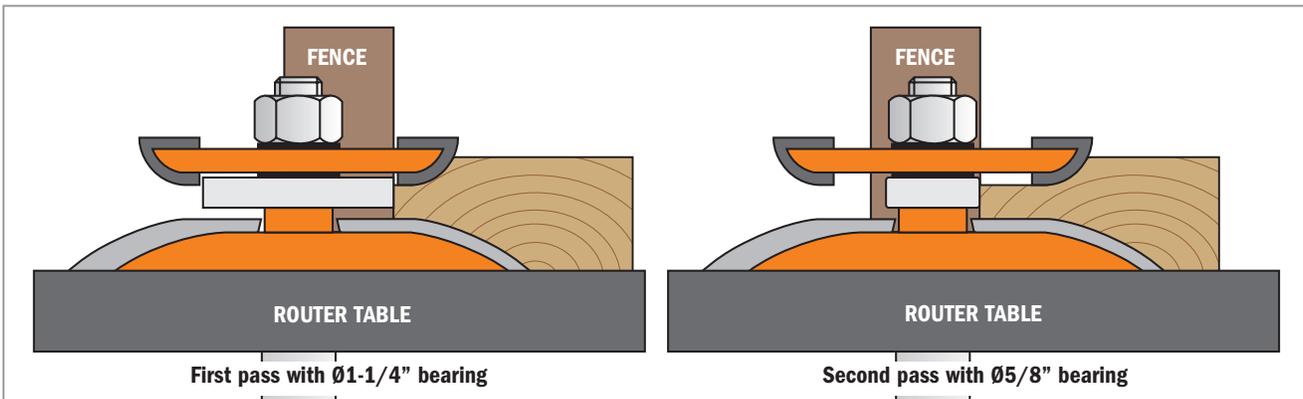
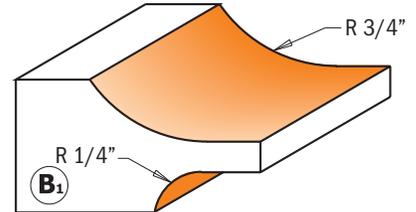
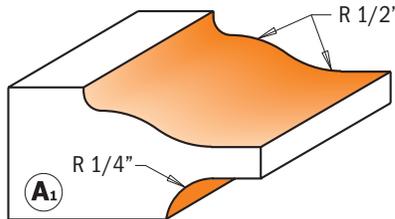
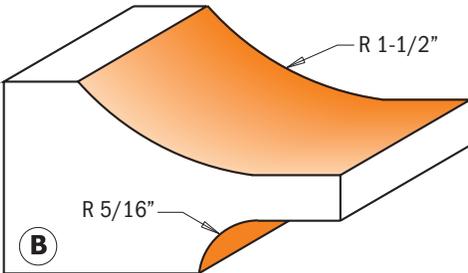
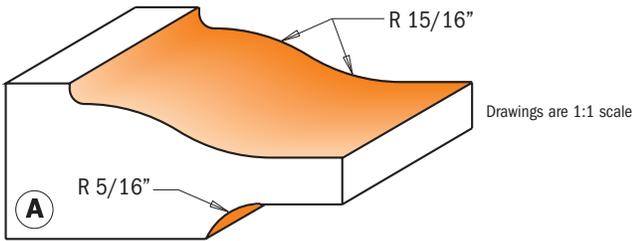
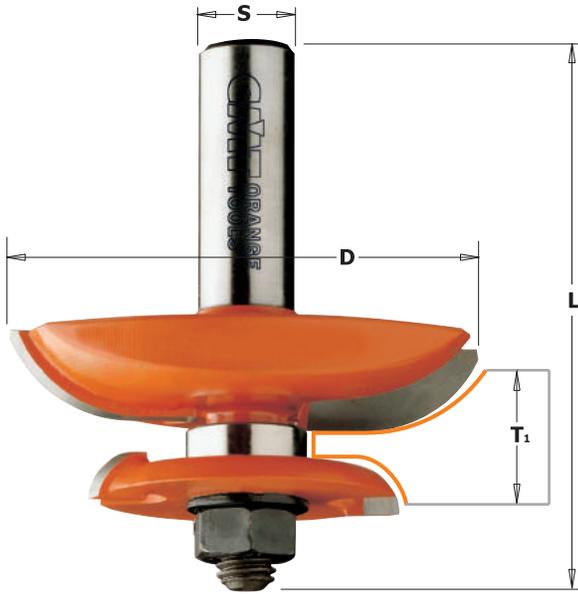
Raised Panel Bits with Back Cutter



890



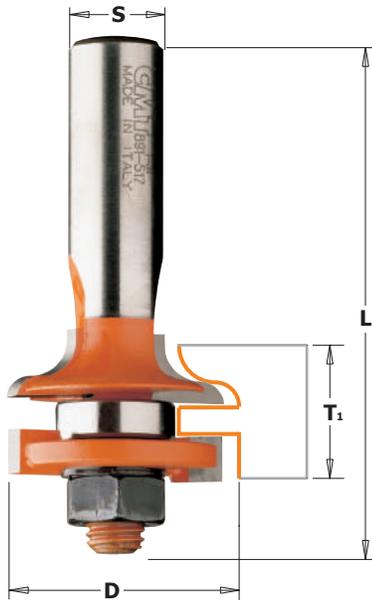
These innovative bits are equipped with a back cutter so that both the front and back of the panel are crafted in the same cut. The bits are supplied with both 5/8" and 1-1/4" diameter bearings, allowing you to take two shallow passes for added safety.



ORDER NO. 1/2" shank	Box icon	D		T ₁ inches	L inches	PROFILE	Spare parts			
		inches	mm				16mm bearing icon	1-1/4" bearing icon	Spacer icon	Shield icon
890.524.11	5	3-1/2	89	3/4 - 13/16	3-5/64	A	822.007.11	791.025.00	791.033.00	990.020.00
890.527.11	5	3-1/2	89	3/4 - 1	3-5/64	B	822.007.11	791.025.00	791.033.00	990.020.00
890.534.11	5	2-1/2	63.5	7/16 - 11/16	2-3/4	A ₁	822.010.11	791.025.00		990.020.00
890.537.11	5	2-1/2	63.5	7/16 - 11/16	2-3/4	B ₁	822.010.11	791.025.00		990.020.00

Spare parts 541.515.11 0.1mm spacer 541.518.11 1.0mm spacer
 541.516.11 0.3mm spacer 990.407.00 Shield conical

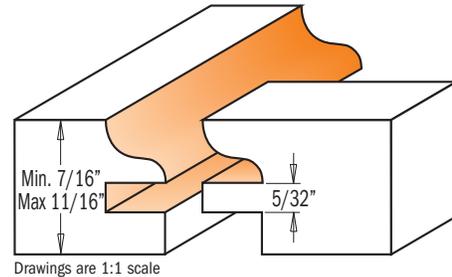
Junior Rail & Stile Set



891.517



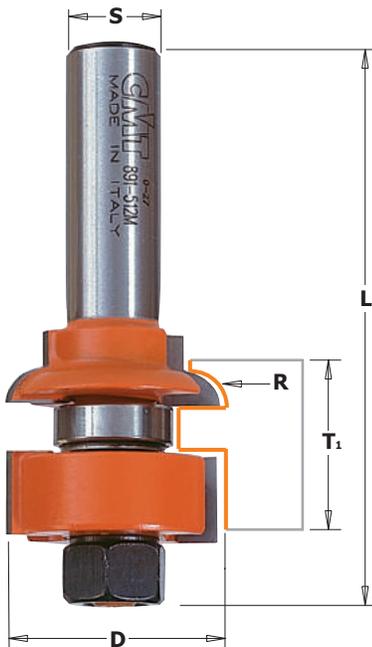
These bits are designed for those special projects that require a smaller panel door. Use these bits with stock from 7/16" to 11/16" in thickness, and build doors as small as 2-3/4" square.



ORDER NO. 1/2" shank		D		T ₁	L	Spare parts			
		inches	mm	inches	inches				
891.517.11	5	1-1/4	31.7	7/16 - 11/16	2-41/64	5/32"	15/64"	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

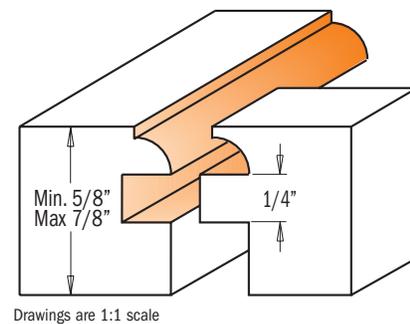
Rail & Stile Set



891.512



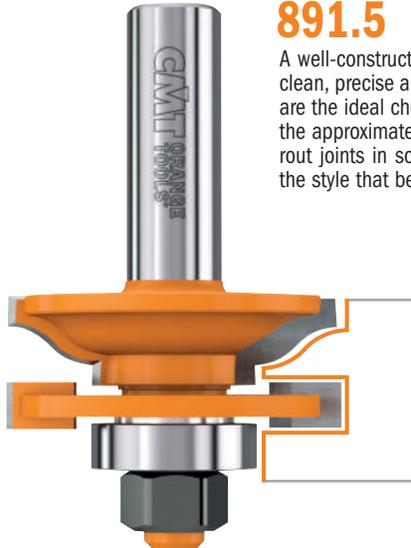
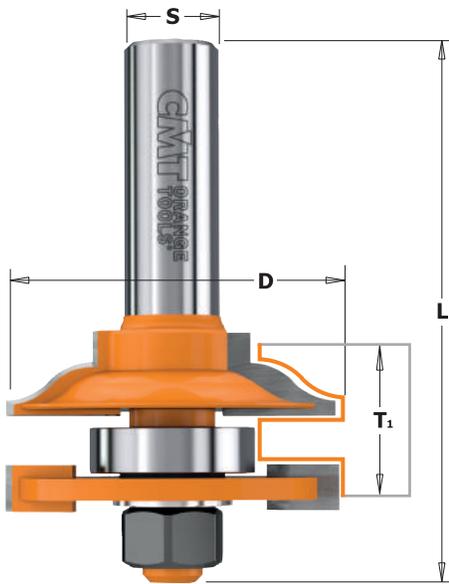
Designed for fine furniture construction, these bits mill a delicate 3/16" thumbnail profile in stock from 5/8" to 13/16" in thickness.



ORDER NO. 1/2" shank		D		R	T ₁	L	Spare parts			
		inches	mm	inches	inches	inches				
891.512.11	10	1-1/8	28.7	3/16	5/8 - 7/8	3-1/8	1/4"	27/64"	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 Bits

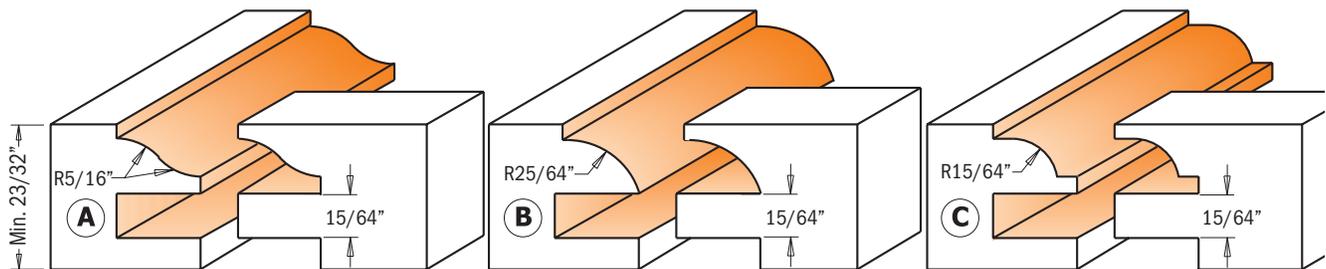


891.5



A well-constructed door must include a perfect rail and stile joint - clean, precise and well-crafted for strength. CMT's Rail and Stile Sets are the ideal choice for the job, with perfectly matched profiles, not the approximate match found on some reversible cutters. These bits route joints in soft/hard woods from 11/16" to 7/8" thick. Choose the style that best suits your needs from the profiles below.

Drawings are 1:1 scale



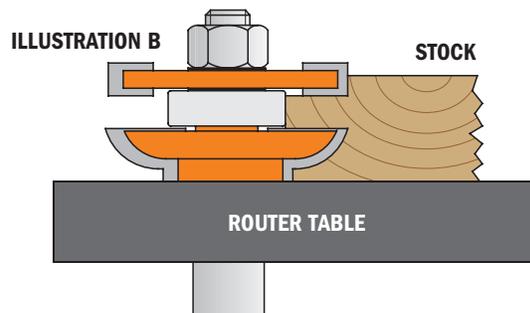
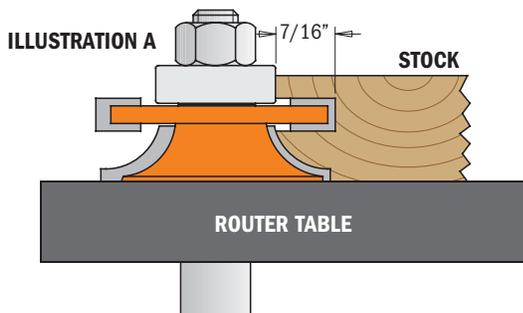
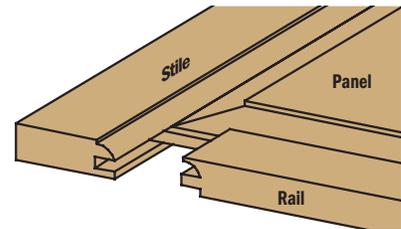
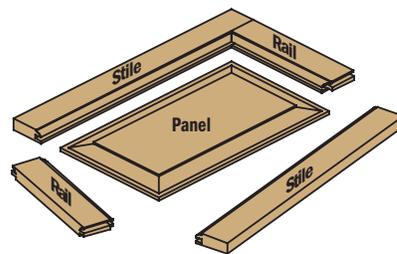
ORDER NO. 1/2" shank	inches	D	mm	T ₁	L	PROFILE	Spare parts					
							822.003.11	791.012.00	541.515.00	541.516.00	990.407.00	990.020.00
891.501.11	5	1-3/4	44.5	23/32 - 7/8	2-51/64	A			0,1mm	0,3mm	0,9mm	
891.502.11	5	1-3/4	44.5	23/32 - 7/8	2-51/64	B			0,1mm	0,3mm	0,9mm	
891.503.11	5	1-3/4	44.5	23/32 - 7/8	2-51/64	C			0,1mm	0,3mm	0,9mm	

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.



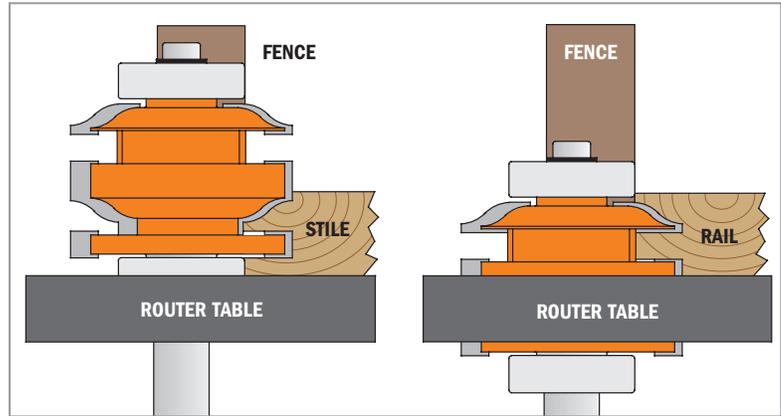
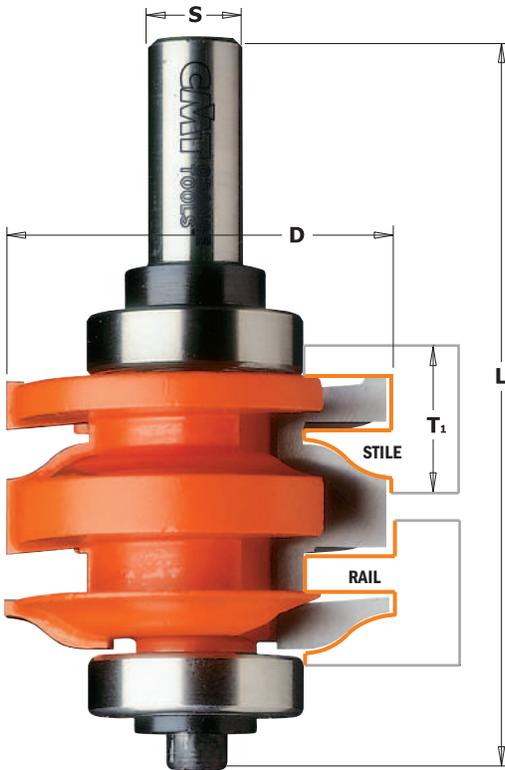
One-Piece Rail & Stile Bit



891.521

The new CMT One-Piece Rail & Stile Bit meshes two cutters into one bit providing an innovative, efficient means of crafting stiles and rails. Simply adjust the height of the bit and cut two perfectly matched profiles. No need to move the fence or change the bit. Not only do you save time, but you save money too since you only have to deal with one bit! For working in stock from 11/16" to 7/8" in thickness.

SAFETY PRECAUTIONS: always unplug the router before making any adjustments to the bit. Use push blocks and featherboards to control the workpiece.



ORDER NO.		D	T ₁	L	Spare parts							
1/2" shank		inches	inches	inches								
891.521.11	5	2	50.8	23/32 - 7/8	3-25/32	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

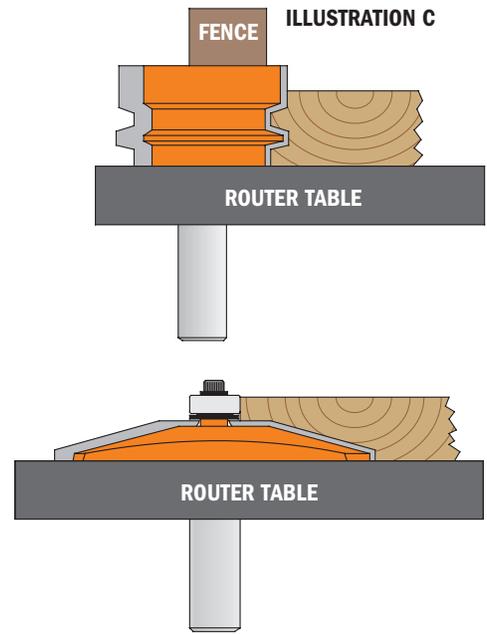
First, make trial cuts of the cope profile (rail) and the stick profile (stile) in scrap stock. Then check the accuracy of the joint. This is extremely important, especially when working at the maximum thickness of 7/8". Make sure your stock is flat and cut straight with square edges. Using the CMT Stile 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 B, 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.



870

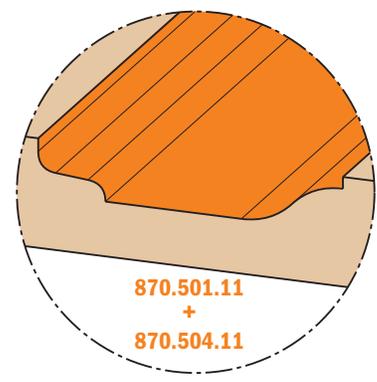
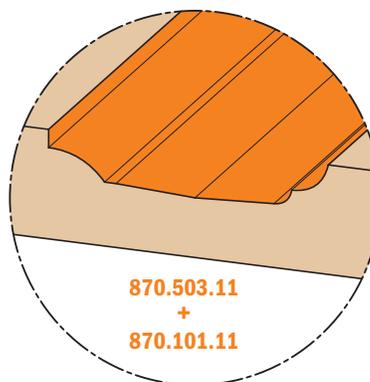
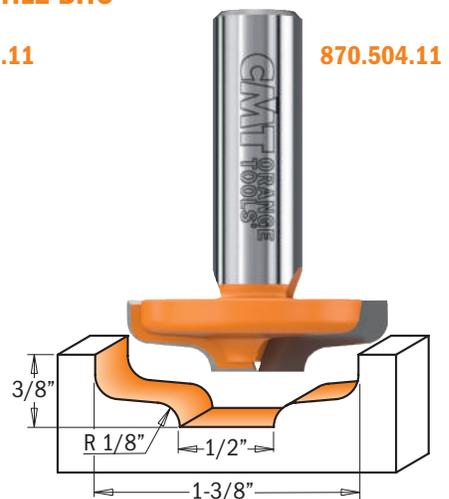
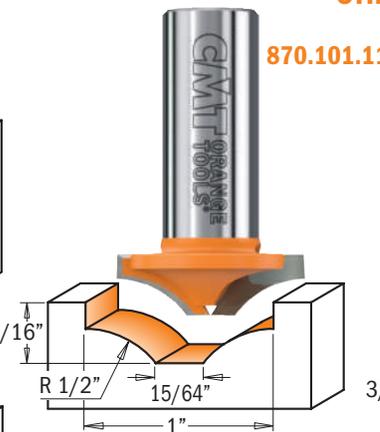
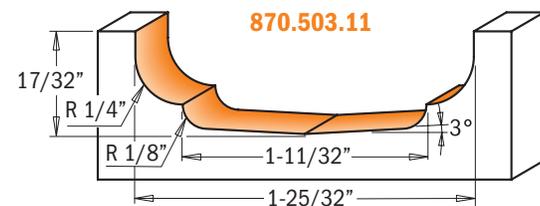
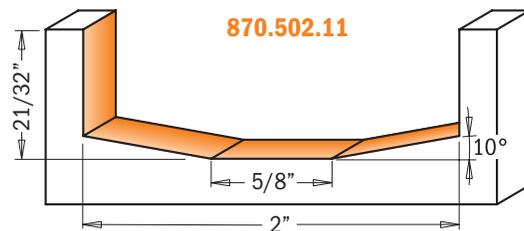
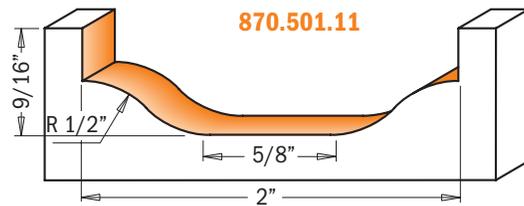


These bits can be used for decorative work on solid wood panels and MDF materials. Use them in one pass or in combination with CMT's MDF panel bits for complex and intricate profiles. A simple approach for an elegant appearance. Featuring large cutting diameters and available in the most popular profiles, these panel bits guarantee excellent performance on both solid wood panels and MDF materials.

PANEL BITS



STILE BITS

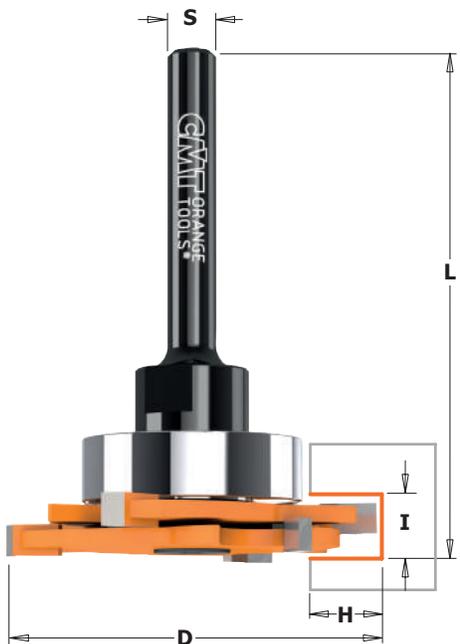


ORDER NO.	1/2" shank	inches	D		d	I	R	A	L
			inches	mm					
870.101.11	10	63/64	25	15/64	5/16	15/32			1-9/16
870.501.11	10	2	50	5/8	9/16	15/32			2-1/16
870.502.11	10	2	50	5/8	43/64		10°		2-11/64
870.503.11	10	1-49/64	45	1-11/32	17/32	1/8-1/4		3°	2-1/32
870.504.11	10	1-3/8	35	1/2	3/8	1/8			1-7/8

3-Flute Slot Cutter for STRIPLOX™ Mini

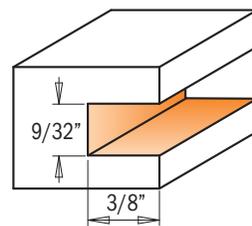
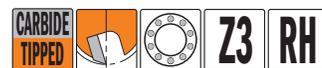
new

CMT ORANGE TOOLS®



823.371

New CMT cutter for Striplox™ Mini connectors. These connectors are invisible joiner suited to everyday builds, custom cabinets, wood joints and any piece of cabinetry, furniture or design application. They produce a tight and strong joint either in a permanent or reversible configuration making them perfectly suited for commercial, domestic and architectural furniture, kitchen, bathroom and wardrobe closets, cabinetry, commercial fit-outs plus many more applications.



Drawings are 1:1 scale



ORDER NO.	Box Qty	I	D	H	L	Spare parts			
1/4" shank		inches	inches	inches	inches	Spacer	Washer	Lock Washer	Hex Key
		mm							
823.371.11A	10	9/32	1-7/8	3/8	2-9/16	791.030.00	823.340.11	990.055.00	991.067.00

Spare parts

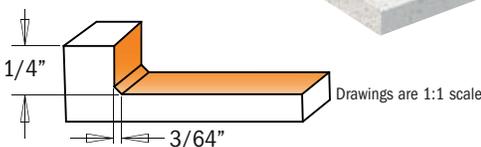
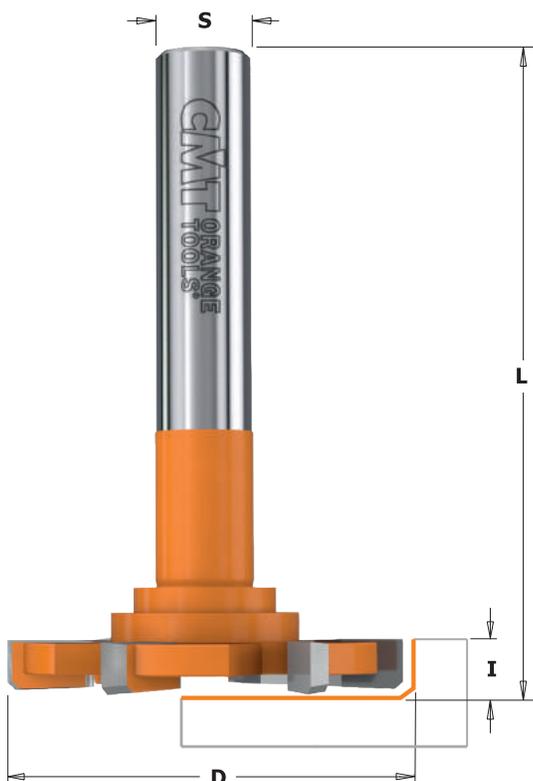
541.515.00	0.1mm spacer
541.516.00	0.3mm spacer
541.517.00	0.5mm spacer

Solid Surface Counter-Top Trim Router Bits

new

822.034

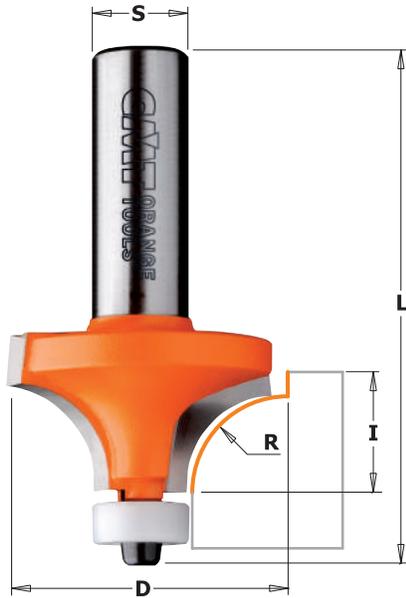
Create extra-smooth shallow recesses in countertops with this 6-wing tool. The radiused cutting tips produce an edge that's easy on the fingers and simple to clean. Use in a handheld router.



Drawings are 1:1 scale

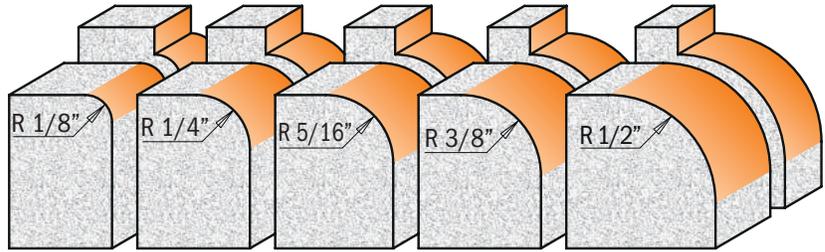
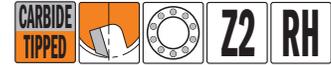
ORDER NO.	Box Qty	D	I	L
1/2" shank		inches	inches	inches
		mm		
822.034.11	5	2-3/64	1/4	3-19/64

Solid Surface Rounding Over Bits



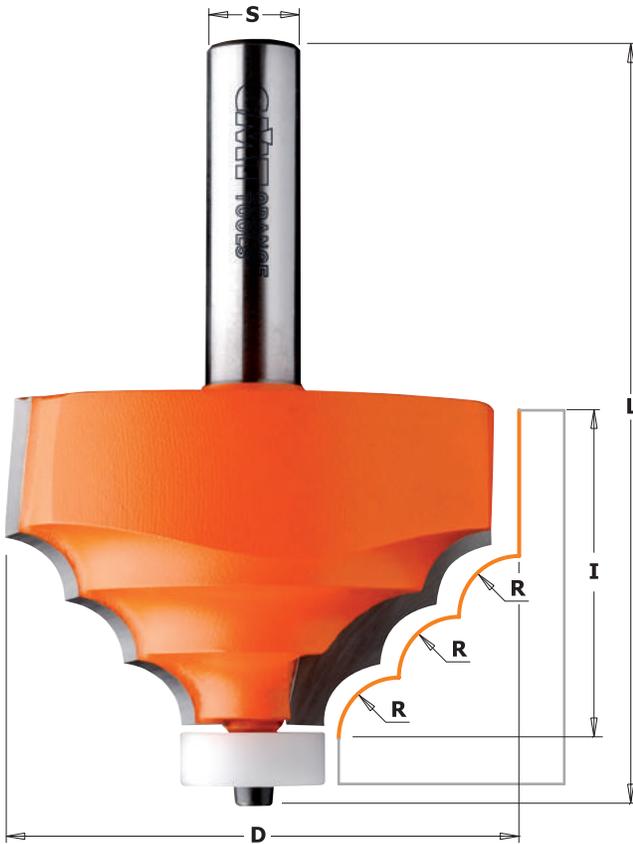
880.5

Use these bits to create a traditional roundover edge on solid surface countertops. Equipped with a non-marring Delrin® bearing to protect the finished edges. For use on hand-held portable routers.



Drawings are 1:1 scale

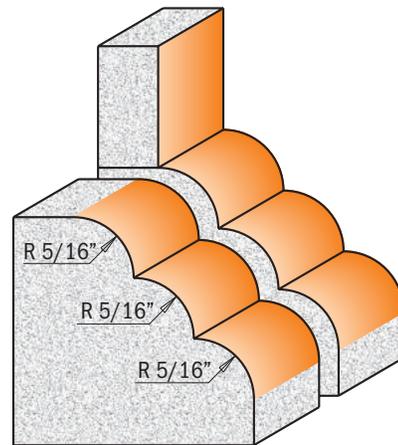
ORDER NO. 1/2" shank	Box	D		I	R	L	Spare parts			
		inches	mm	inches	inches	inches	Washer	Bearing	Hex Bolt	Hex Key
880.501.11	10	3/4	19.05	1/2	1/8	2-11/32	990.422.00	791.044.00	990.058.00	991.057.00
880.502.11	10	1	25.4	1/2	1/4	2-11/32	990.422.00	791.044.00	990.058.00	991.057.00
880.505.11	10	1-1/8	28.7	19/32	5/16	2-29/64	990.422.00	791.044.00	990.058.00	991.057.00
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	991.057.00
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	991.057.00



Solid Surface Decorative Edge Profile Bit

880.521

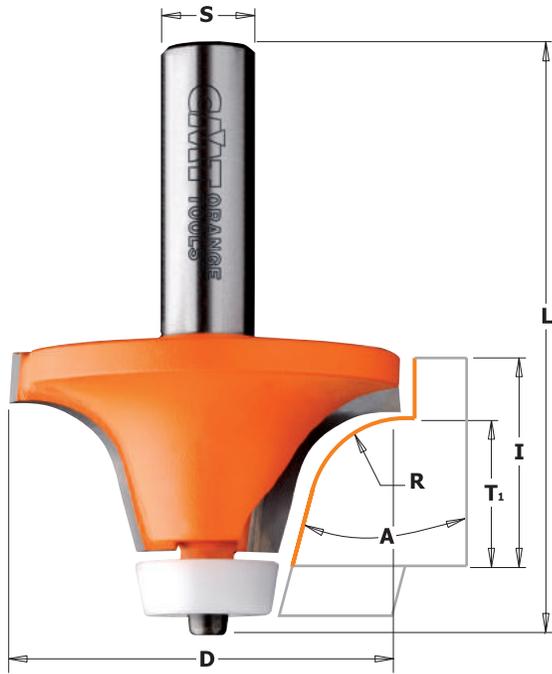
Create elegant countertops with flawless results. Features a non-marring Delrin® bearing to protect the finished edges. For use on hand-held portable routers.



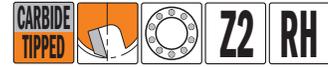
Drawings are 1:1 scale

ORDER NO. 1/2" shank	Box	D		I	R	L	Spare parts			
		inches	mm	inches	inches	inches	Washer	Hex Bolt	Hex Key	
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 Bowl Bits

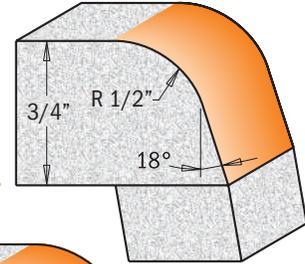


866.6 - 880.541

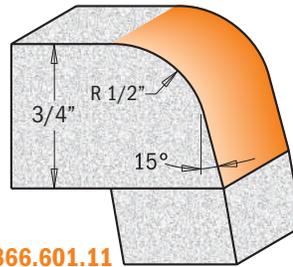


These bits roundover and trim the countertop edges after the bowl is mounted. Can be used with the CMT 880.551.11 bevel cutter for a flush cut-out between the countertop and installed undermount bowl. For use on hand-held portable routers. Features a non-marring Delrin® bearing to protect the finished edges.

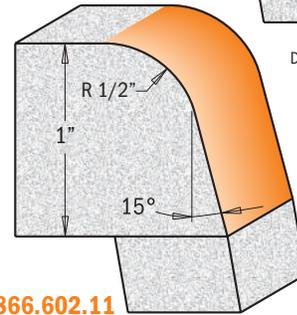
Special angled Delrin® sleeve on the bearing of the CMT bevel cutter lets you work without leaving marks on the workpiece. Trims and shapes all wood and wood materials. Perfect for kitchen and bathroom counter top work.



880.541.11



866.601.11



866.602.11

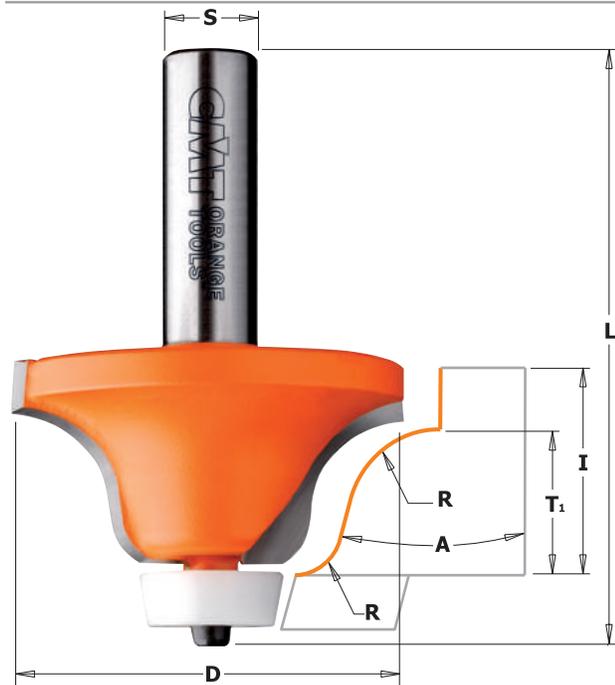
Drawings are 1:1 scale

ORDER NO. 1/2" shank	Box	D		T ₁ inches	I inches	R inches	A	L inches
		inches	mm					
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

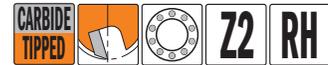
Spare parts

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

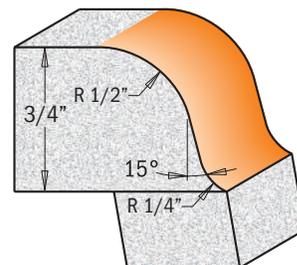
Solid Surface Rounding Over Bowl Bit (Ogee Profile)



880.542



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.



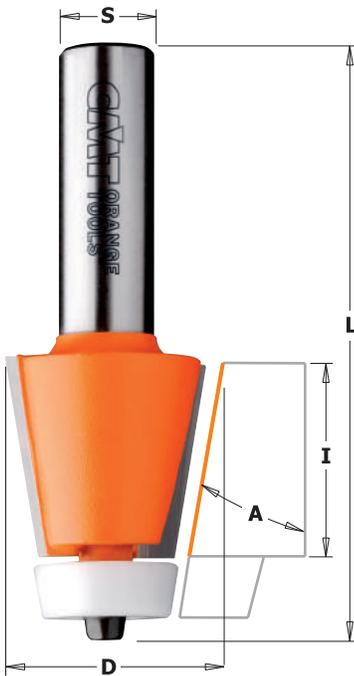
Drawing is 1:1 scale

ORDER NO. 1/2" shank	Box	D		T ₁ inches	I inches	R inches	A	L inches
		inches	mm					
880.542.11	10	2-1/8	54	3/4	1	1/4 - 1/2	15°	3-1/16

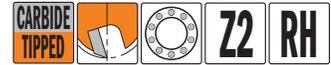
Spare parts

791.041.00	990.058.00	991.057.00

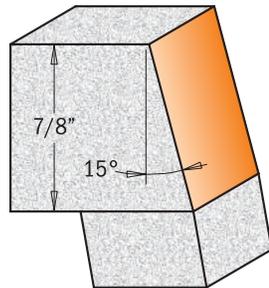
Solid Surface Bevel Bowl Bits



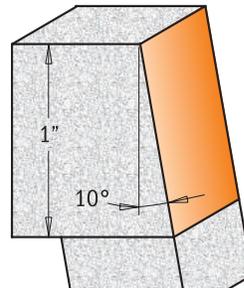
866.501 - 880.551 - 881.521



These bits are designed for undermount applications joining the countertops and sink bowls with a 10° or 15° beveled edge. Can be used with the 880.541.11 and 880.542.11 for complete undermount applications. We also offer you a bit version featuring a Delrin® bearing, allowing you to work on solid surfaces without marring them. These bits are for use on hand-held portable routers.

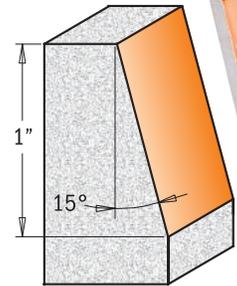


866.501.11



880.551.11

Drawings are 1:1 scale



881.521.11

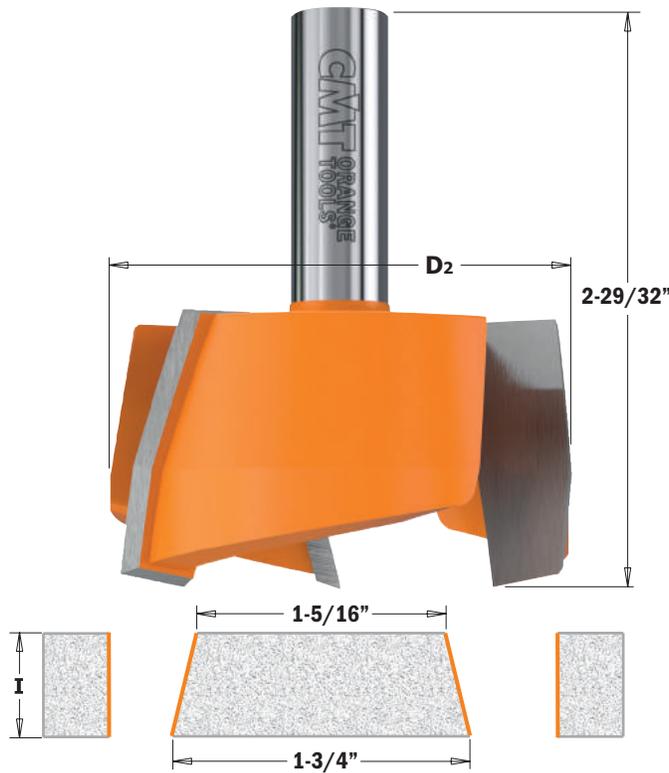
ORDER NO. 1/2" shank		D	I	A	d	L
		inches	mm	inches	inches	inches
866.501.11	10	1-1/4	50.8	7/8	15°	2-53/64
880.551.11	10	1-1/8	28.5	1	10°	3-1/32
881.521.11	10	29/32	23	1	15°	3/8

Spare parts



791.041.00	990.058.00	991.057.00
791.041.00	990.058.00	991.057.00

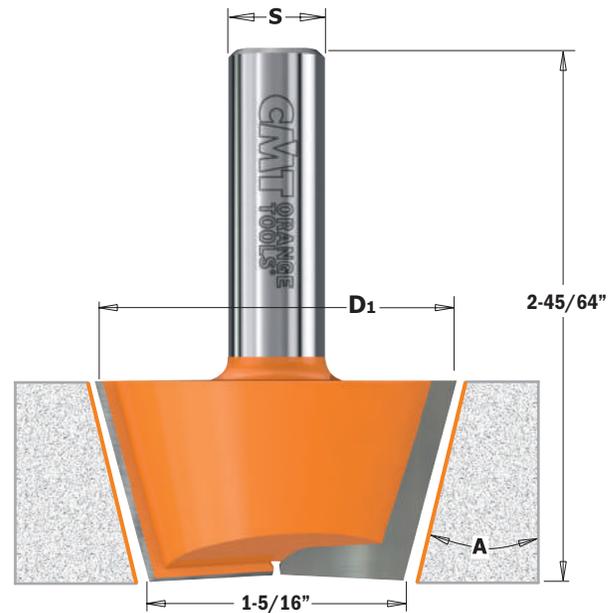
Solid Surface Cut & Plug Repair Set



881.541

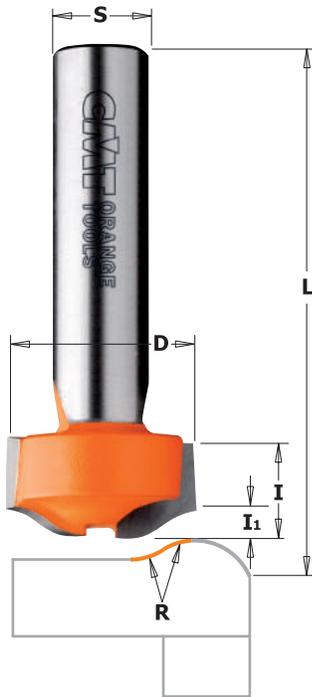


Special carbide-tipped bits intended for repairing solid surfaces that have been ruined. To repair, create the plug with the plug cutter first, then use the other bit to easily make the hole. Your surfaces will look like new. To be used on hand-held routers or CNC machines.



ORDER NO. 1/2" shank		D ₁	D ₂	I	A	L
		inches	mm	inches	mm	inches
881.541.11	10	1-7/8	47.5	2-31/64	63	3/4
						15°
						2-45/64 - 2-29/32

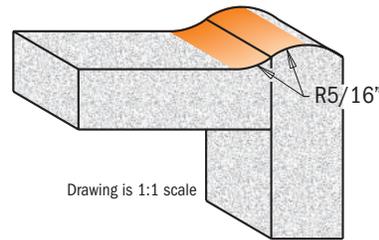
Solid Surface No-Drip Bits



881.501



This bit is designed to create “no-drip” edges on kitchen and vanity counter tops. Designed for hand-held portable routers on applications where a guide bearing can not be used. This one bit will cut both the outer and inner profiles creating a slightly raised edge, controlling spilled liquids.



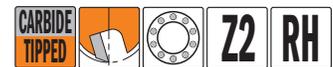
Drawing is 1:1 scale

ORDER NO. 1/2" shank		D	I	I ₁	R	L
		inches	mm	inches	inches	inches
881.501.11	10	1	25.4	1/2	1/8	2-1/2

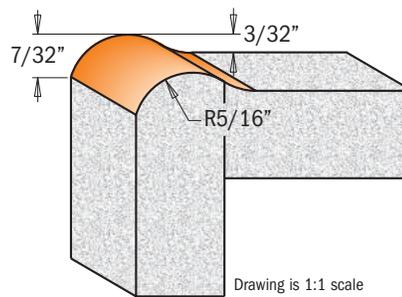
Solid Surface No-Drip Bits



880.531



This bit is designed to create “no-drip” edges on kitchen and vanity counter tops in a single pass. For use on hand-held portable routers. This one bit will cut both the outer and inner profiles creating a slightly raised edge that controls spilled liquids. Features a non-marring Delrin® bearing to protect the finished edges.



Drawing is 1:1 scale

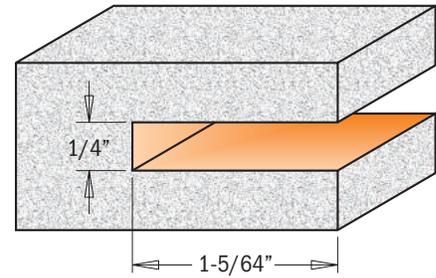
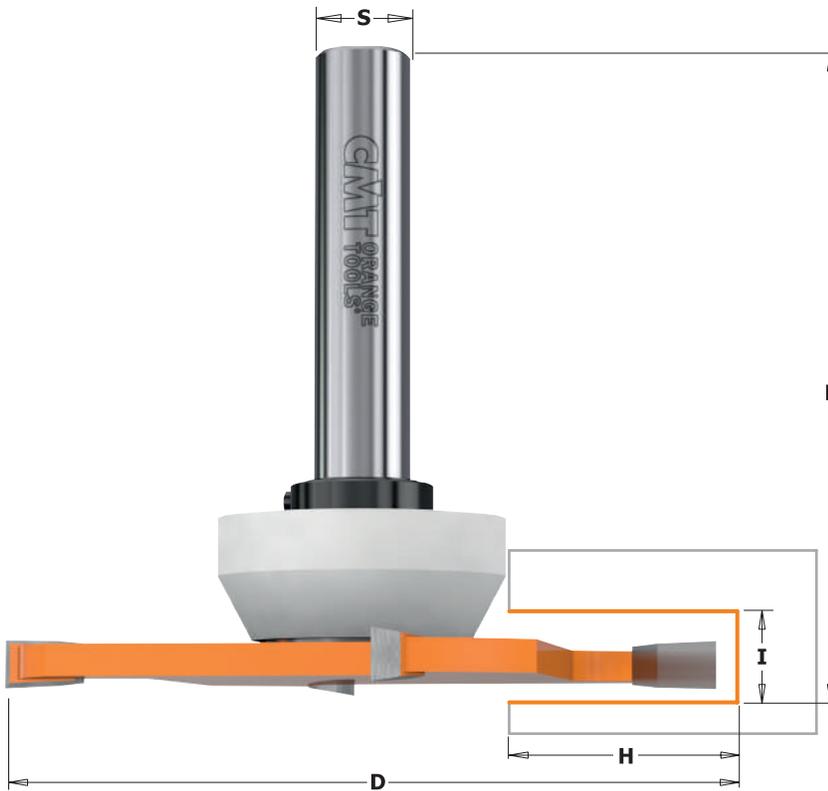
ORDER NO. 1/2" shank		D	d	I	I ₁	R	L	Spare parts		
		inches	inches	inches	inches	inches	inches			
880.531.11	10	1	3/4	7/8	5/8	5/16	3-1/32	791.046.00	990.058.00	991.057.00

4-Wing Cut Out Slot Cutters for Solid Surface



822.033B

Featuring specially formulated carbide-tipped cutting edges for cutting your solid surface undermount bowls. For use on hand-held portable routers. Bits feature a non-marring Delrin® bearing to protect your surfaces.



Drawing is 1:1 scale

ORDER NO.	1/2" shank		D	I	H	L
		inches	mm	inches	inches	inches
822.033.11B	5	3-5/8	92	1/4	1-5/64	3-1/4

Spare parts

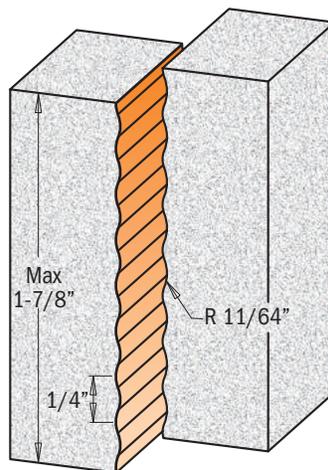
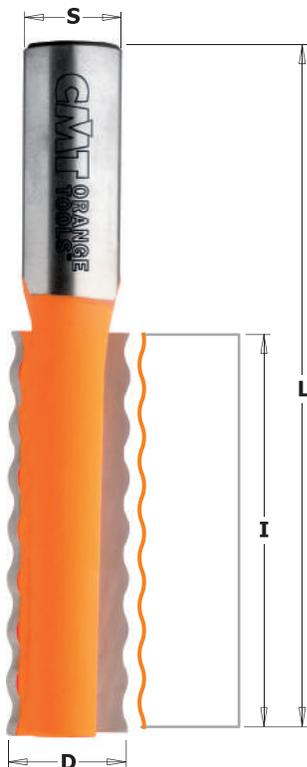
541.553.00	791.047.00	541.002.00	991.056.00

Wavy Joint Bit for Solid Surface

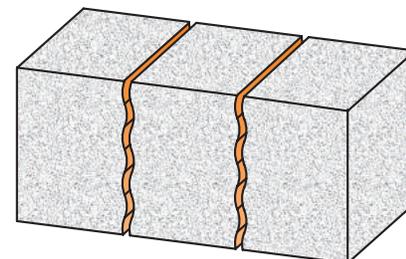


881.531

These bits are ideal for making strong joints on any solid surface, thanks to a wider area for glue.



Drawings are 1:1 scale



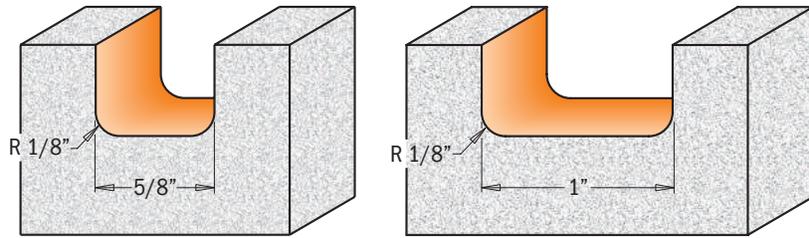
ORDER NO.	1/2" shank		D	I	R	L
		inches	mm	inches	inches	inches
881.531.11	10	5/8	15.87	2-1/32	11/64	3-1/2

Solid Surface Drainboard Bits



881.511-512

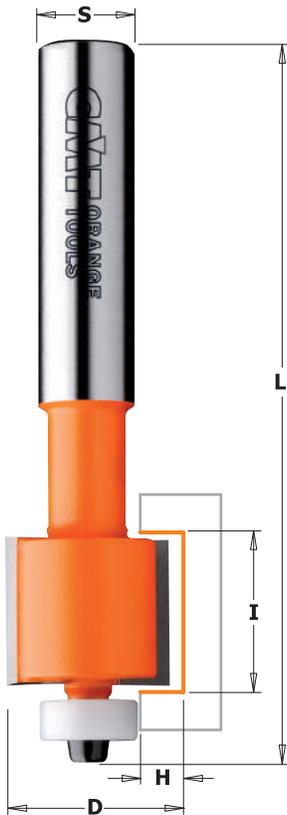
This bit is ideal for creating custom Drainboard patterns in solid surface countertops. For use on hand-held portable routers.



Drawings are 1:1 scale

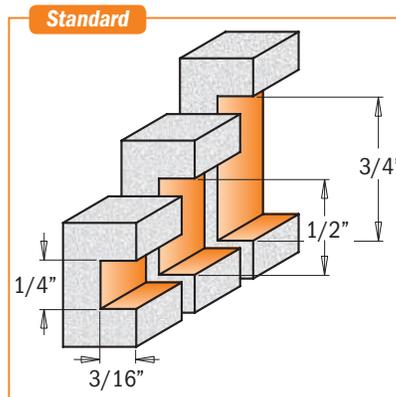
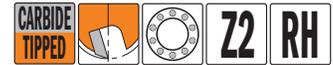
ORDER NO. 1/2" shank		D	I	R	L	
		inches	mm	inches	inches	
881.511.11	10	5/8	15.87	1/2	1/8	2-1/2
881.512.11	10	1	25.4	1/2	1/8	2-3/4

Solid Surface - Inlay Bits

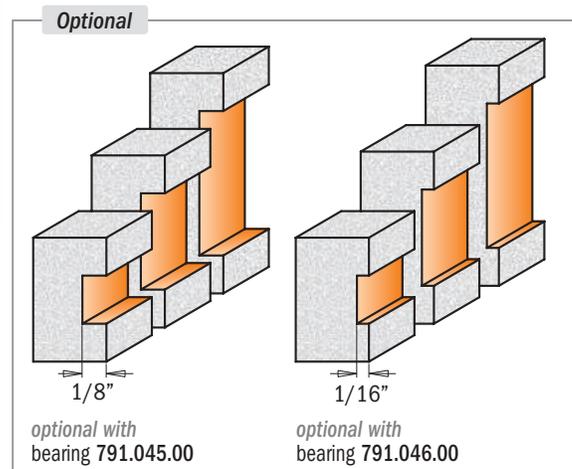


880.511-512-513

Add a decorative wood, plastic or metal inlay to solid surface countertops. Equipped with a non-marring Delrin® bearing to protect the finished edges. For use on hand-held portable routers.



Drawings are 1:1 scale



ORDER NO. 1/2" shank		D	I	H	L	Spare parts			
		inches	mm	inches	inches				
880.511.11	10	7/8	22.2	1/4	3/16	3-3/32	791.044.00	990.058.00	991.057.00
880.512.11	10	7/8	22.2	1/2	3/16	3-19/32	791.044.00	990.058.00	991.057.00
880.513.11	10	7/8	22.2	3/4	3/16	3-19/32	791.044.00	990.058.00	991.057.00

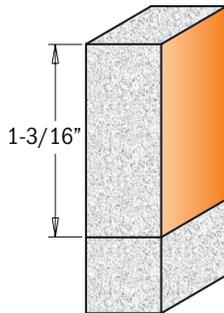
Solid Surface Sink & Trim Bits with Insert Knives



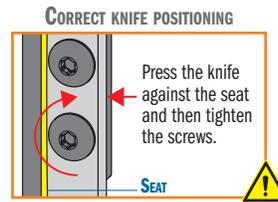
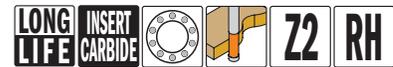
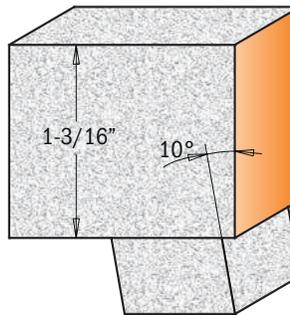
880.561.11

880.561 - 880.562

Trim a sink cutout flush with the bowl in stages using these "over-hang" and flush trim bits in tandem. These "over-hang" bits are equipped with Delrin® bearings that are tapered over the slope of the bowl's side. A first pass with the appropriate overhang bit cleans the cutout edge, leaving a very slight overhang at the underside of the counter. A pass with the flush-trim bit completes the operation. Equipped with special super micrograin carbide insert knives for longer lifetime. The blades are sharpened on 2 sides and can give extra new edges.



Drawings are 1:1 scale



880.562.11

ORDER NO.	1/2" shank	D	I	A	L
		inches	mm	inches	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

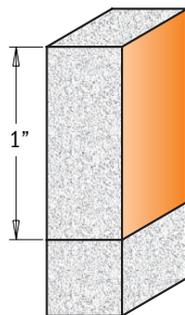
Solid Surface Sink & Trim Bits



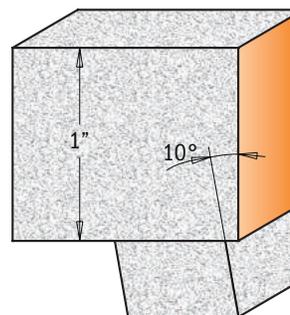
880.571.11

880.571 - 880.572

Trim a sink cutout flush with the bowl in stages using these "over-hang" and flush trim bits in tandem. These "over-hang" bits are equipped with Delrin® bearings that are tapered to match the slope of the bowl's side. A first pass with the appropriate overhang bit cleans the cutout edge, leaving a very slight overhang at the underside of the counter. A pass with the flush-trim bit completes the operation. Equipped with special super micrograin carbide for extended life.



Drawings are 1:1 scale



880.572.11

ORDER NO.	1/2" shank	D	I	A	L
		inches	mm	inches	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

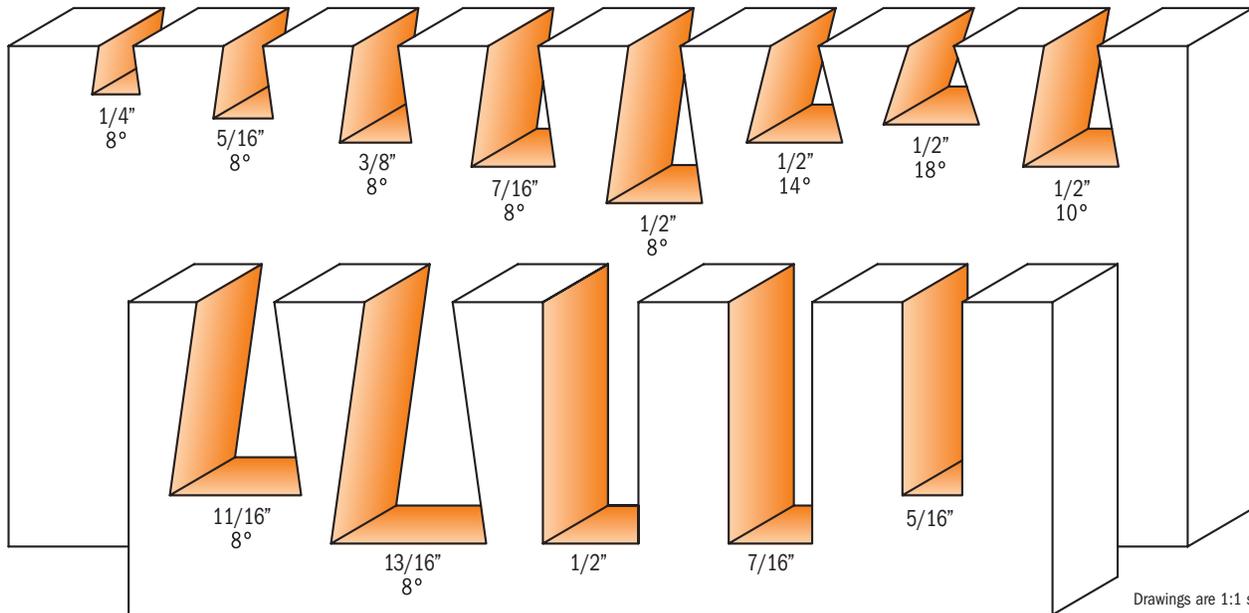
Spare parts

791.046.00	990.058.00	991.057.00
791.048.00	990.058.00	991.057.00

13 piece Dovetail & Straight Router Bit Set



CARBIDE TIPPED SOLID CARBIDE
Z2 RH



Drawings are 1:1 scale

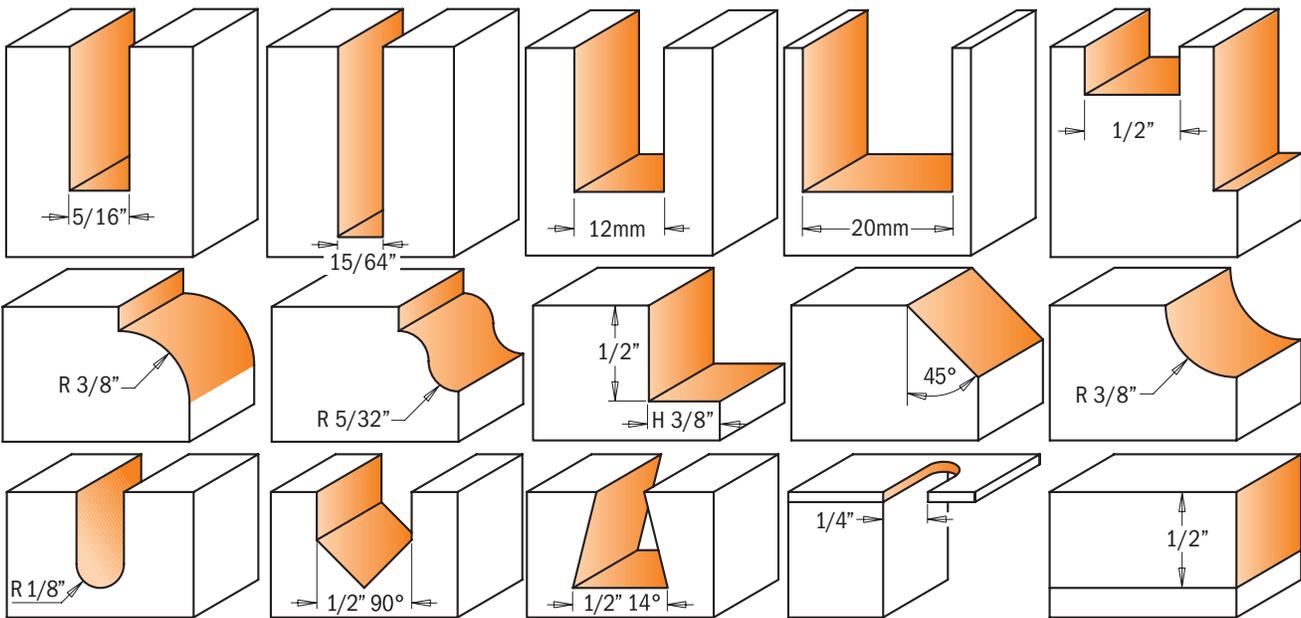
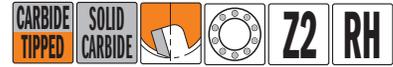
IDEAL FOR LEIGH D4 JIG. Also suitable for many other jigs.

800.519.11 13 piece Dovetail & Straight Router Bit Set 1/4" & 1/2" shank

PACK QTY. 1

SET CONTAINS	ORDER NO.	ORDER NO.	A	D		I		L		WEIGHT No.
	1/4" shank	1/2" shank		inches	mm	inches	mm	inches	mm	
Dovetail Bit	818.065.11		8°	1/4	6.35	1/4	6.35	2	50.8	50
Dovetail Bit	818.081.11		8°	5/16	7.94	3/8	9.5	2-1/8	53.9	60
Dovetail Bit	818.097.11		8°	3/8	9.5	1/2	12.7	2-3/8	60.3	70
Dovetail Bit	818.111.11		8°	7/16	11.1	5/8	15.87	2-3/8	60.3	75
Dovetail Bit	818.129.11		8°	1/2	12.7	13/16	20.6	2-3/4	70	80
Dovetail Bit	818.130.11		14°	1/2	12.7	1/2	12.7	2-7/16	61.9	120
Dovetail Bit	818.132.11		18°	1/2	12.7	13/32	20.6	2-3/8	60.3	128
Dovetail Bit	818.133.11		10°	1/2	12.7	5/8	15.87	2-3/8	60.3	101
Dovetail Bit		818.674.11	8°	11/16	17.4	1	25.4	3-1/16	77.7	90
Dovetail Bit		818.706.11	8°	13/16	20.6	1-1/4	31.7	3-5/16	84.1	100
Straight Bit		811.628.11		1/2	12.7	1-1/4	31.7	3-1/4	82.5	160
Straight Bit		812.611.11		7/16	11.1	1-1/4	31.7	3-1/4	82.5	150
Straight Bit	811.081.11			5/16	7.94	1	25.4	2-3/4	70	140

15 piece Router Bits Set



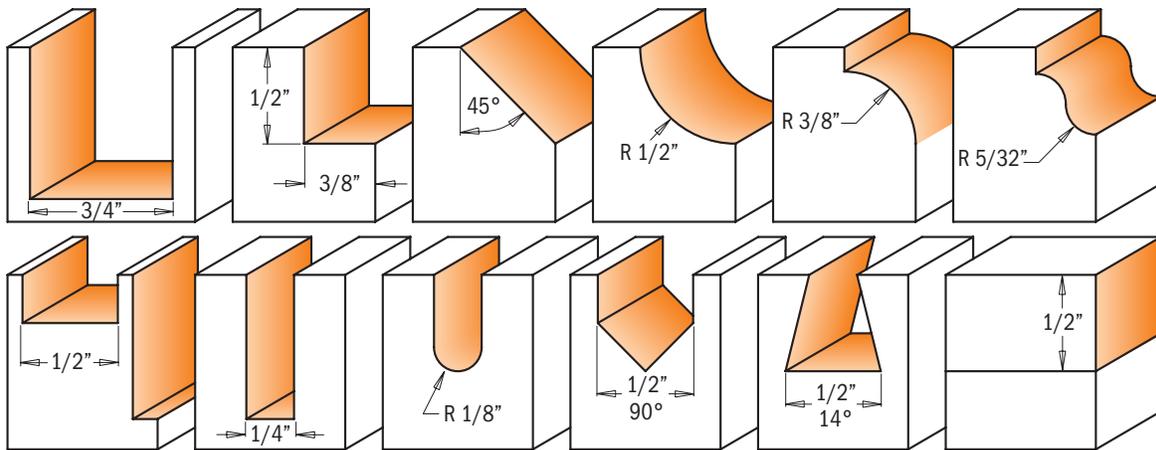
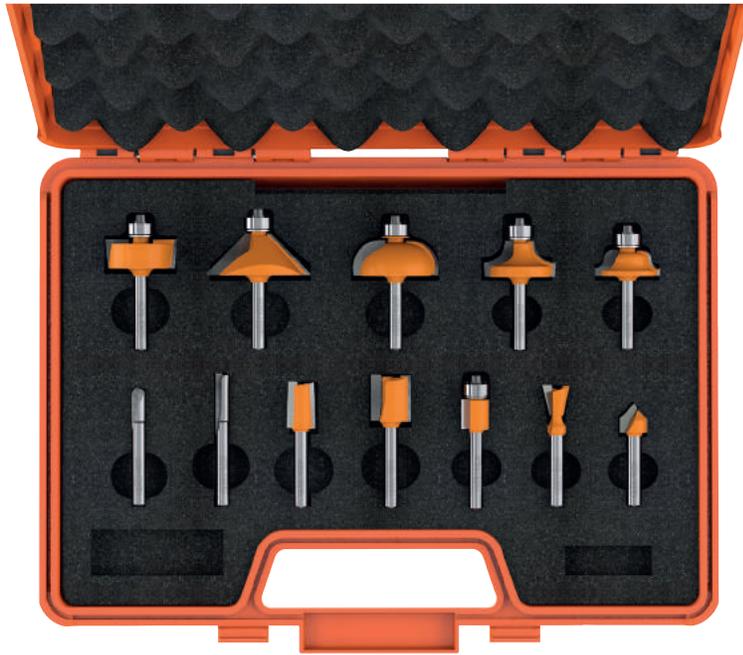
Drawings are 1:1 scale

800.001.00 15 piece Router Bit Set 1/4" shank

PACK QTY. 1

SET CONTAINS	ORDER NO. 1/4" 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	9.5	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	9.5	
Chamfer Bit	836.280.11	1-1/4	31.7	3/8	9.5			2-3/32	53.1			45°
Cove Bit	837.286.11	1-1/4	31.7	1/2	12.7	3/8	9.5	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			

12 piece Router Bit Set



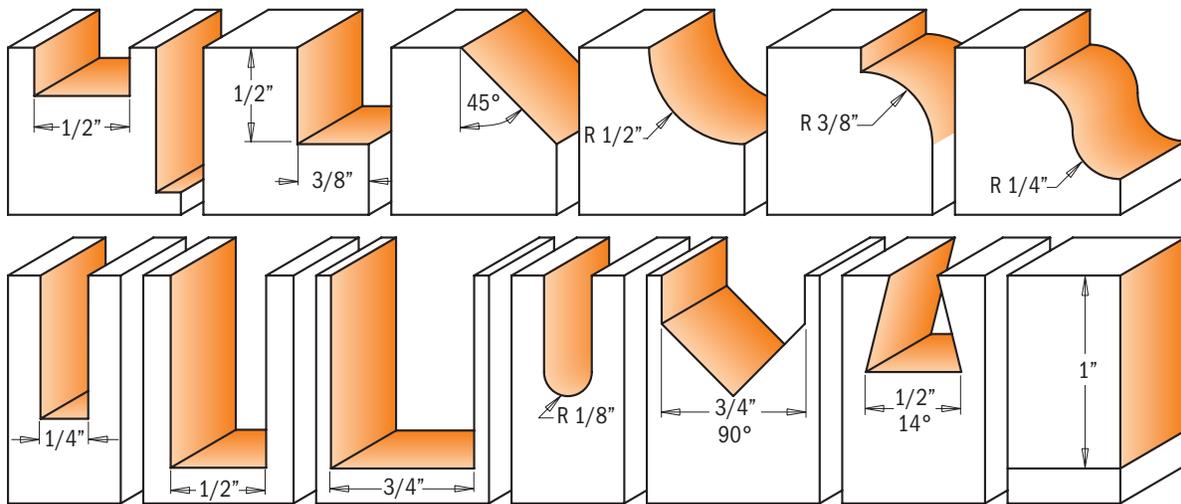
Drawings are 1:1 scale

800.503.11 12 piece Router Bit Set 1/4" shank

PACK QTY. 1

SET CONTAINS	ORDER NO. 1/4" 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	9.5	
Roundover Bit	838.317.11	1-1/4	31.7	9/16	14	3/8	9.5	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°

13 piece Router Bit Set



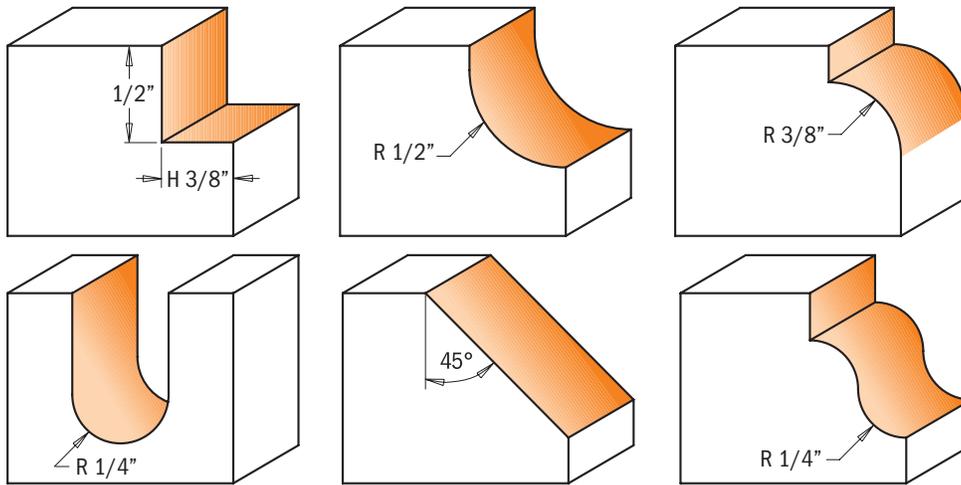
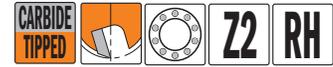
Drawings are 1:1 scale

800.505.11 13 piece Router Bit Set 1/2" shank

PACK QTY. 1

SET CONTAINS	ORDER NO. 1/2" shank	D		I		R		L		H		A
		inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	
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	9.5	
Roundover Bit	838.817.11	1-1/4	31.7	9/16	14.2	3/8	9.5	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



Drawings are 1:1 scale

800.504.11 6 piece Router Bit Set 1/2" shank

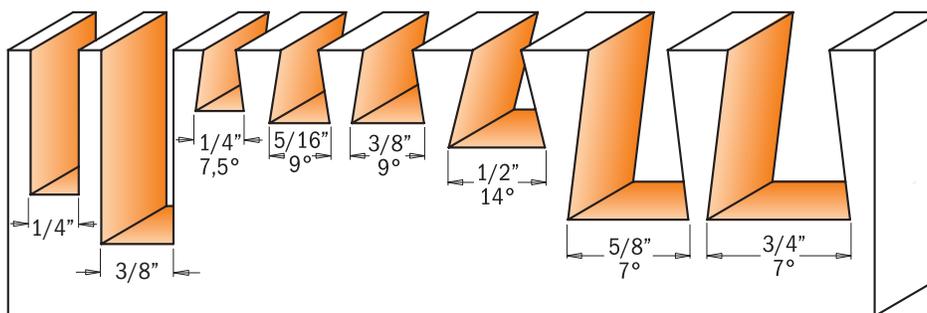
PACK QTY. 1

SET CONTAINS	ORDER NO. 1/2" shank	D		I		R		L		H		A
		inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	
Rabbeting Bit	835.817.11	1-1/4	31.7	1/2	12.7			2-13/32	61.1	3/8	9.5	
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	9.5	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					

8 piece Dovetail & Straight Router Bit Sets



CARBIDE TIPPED SOLID CARBIDE
Z2 RH



Drawings are 1:1 scale

IDEAL FOR INCRA & JOINTECH JIGS. Also suitable for many other jigs.

800.500.11 8 piece Dovetail & Straight Router Bit Set 1/4" shank

PACK QTY. 1

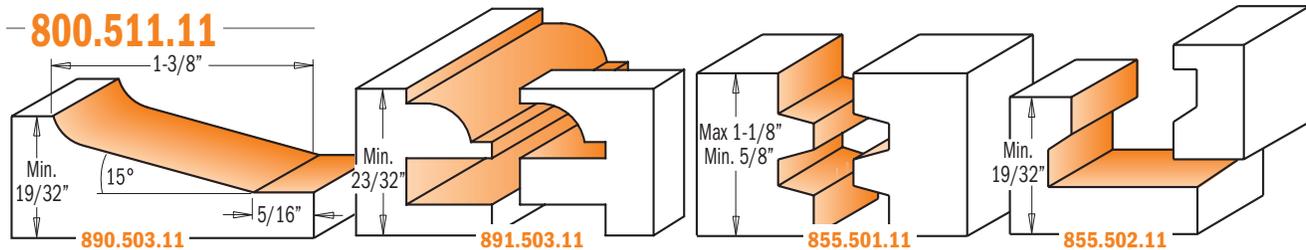
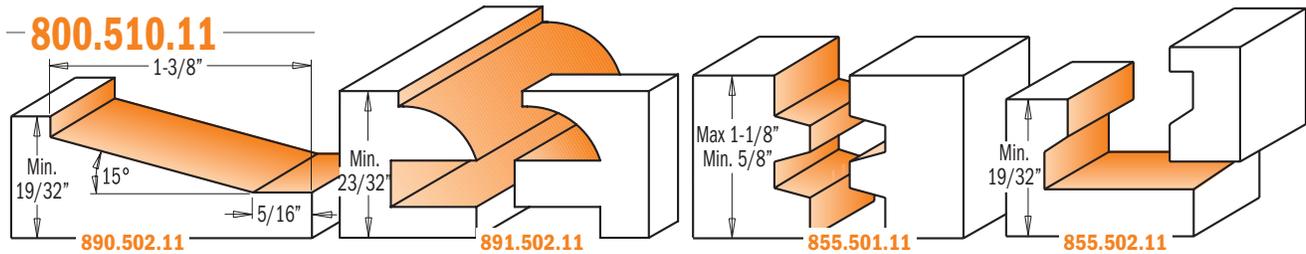
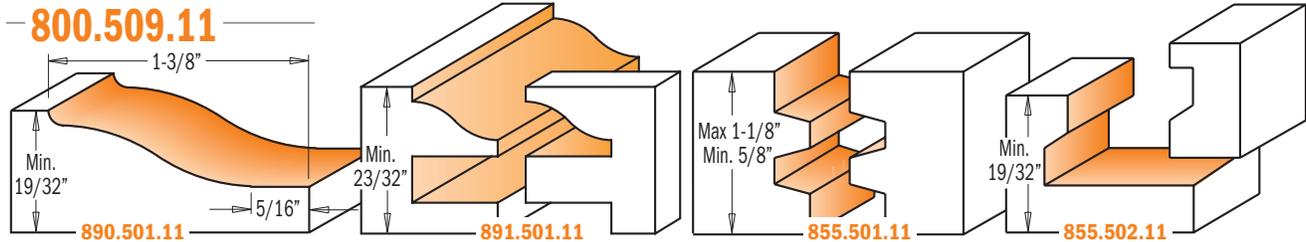
SET CONTAINS	ORDER NO. 1/4" shank	A	D		I		L		INCRA TEMPLATE
			inches	mm	inches	mm	inches	mm	
Straight Bit	811.065.11		1/4	6.35	3/4	19.05	2-1/4	57.1	Box #4 & 5
Straight Bit	811.096.11		3/8	9.5	1	25.4	2-1/2	63.5	Box #1,2 & 3
Dovetail Bit	818.064.11	7.5°	1/4	6.35	5/16	7.94	2-1/2	63.5	Dove #8
Dovetail Bit	818.080.11	9°	5/16	7.94	3/8	9.5	2-1/2	63.5	Dove. I #7
Dovetail Bit	818.096.11	9°	3/8	9.5	3/8	9.5	2-1/16	52.3	Dove #5, 6, 1DD2
Dovetail Bit	818.128.11	14°	1/2	12.7	1/2	12.7	2-1/16	52.3	Dove #1, 2, 3 & 4 1DD1
Dovetail Bit	818.158.11	7°	5/8	15.8	7/8	22.2	2-3/8	60.3	Dove #10
Dovetail Bit	818.190.11	7°	3/4	19.05	7/8	22.2	2-3/8	60.3	Dove #9

800.501.11 8 piece Dovetail & Straight Router Bit Set 1/2" shank

PACK QTY. 1

SET CONTAINS	ORDER NO. 1/2" shank	A	D		I		L		INCRA TEMPLATE
			inches	mm	inches	mm	inches	mm	
Straight Bit	811.564.11		1/4	6.35	3/4	19.05	2-3/8	60.3	Box #4 & 5
Straight Bit	811.595.11		3/8	9.5	1	25.4	2-5/8	66.6	Box #1,2 & 3
Dovetail Bit	818.564.11	7.5°	1/4	6.35	5/16	7.94	2-1/2	63.5	Dove #8
Dovetail Bit	818.580.11	9°	5/16	7.94	3/8	9.5	2-1/2	63.5	Dove. I #7
Dovetail Bit	818.596.11	9°	3/8	9.5	3/8	9.5	2-1/2	63.5	Dove #5, 6, 1DD2
Dovetail Bit	818.128.11	14°	1/2	12.7	1/2	12.7	2-1/2	63.5	Dove #1, 2, 3 & 4 1DD1
Dovetail Bit	818.658.11	7°	5/8	15.8	7/8	22.2	2-5/8	66.6	Dove #10
Dovetail Bit	818.690.11	7°	3/4	19.05	7/8	22.2	2-5/8	66.6	Dove #9

5 piece Complete Kitchen Sets



800.509.11 5 piece Ogee Complete Kitchen Set 1/2" shank

PACK QTY. 1

SET CONTAINS	ORDER NO. 1/2" shank	D		I		T ₁	L	LB
		inches	mm	inches	mm	inches	inches	inches
Ogee Raised Panel Bit	890.501.11	3-1/4	82.5	19/32	15	19/32 to 23/32	2-1/2	1/2
Ogee Rail & Stile Bits	891.501.11	1-3/4	44.5			23/32 to 7/8	2-51/64	22mm
Reverse Glue Joint Bit	855.501.11	1-3/4	44.5	1-1/4	31.7	19/32 to 1-3/16	2-49/64	
Drawer Lock Bit	855.502.11	2	50.8	1/2	12.7	5/8 to 1	2	

800.510.11 5 piece Standard Complete Kitchen Set 1/2" shank

PACK QTY. 1

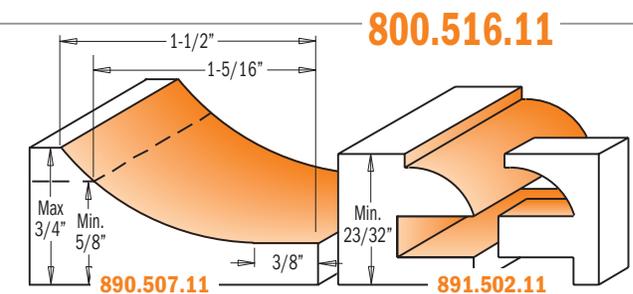
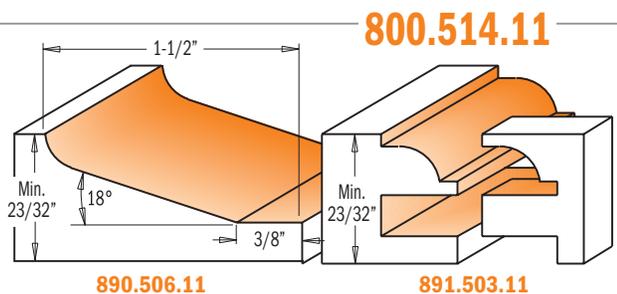
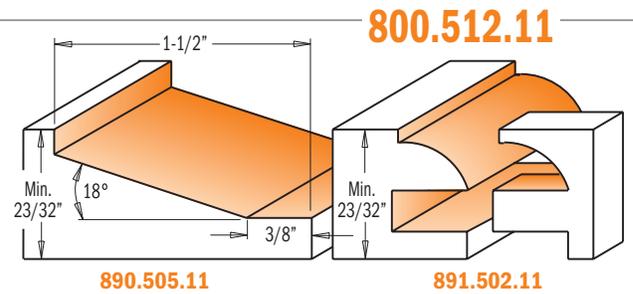
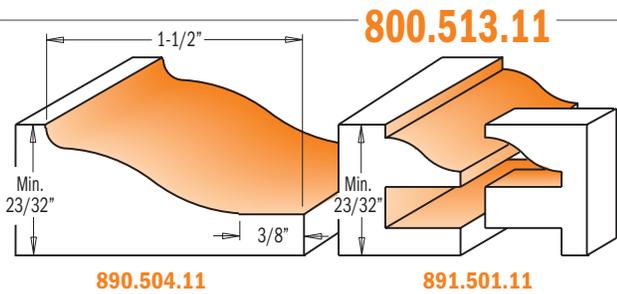
SET CONTAINS	ORDER NO. 1/2" shank	D		I		T ₁	L	LB
		inches	mm	inches	mm	inches	inches	inches
Standard Raised Panel Bit	890.502.11	3-1/4	82.5	19/32	15	19/32 to 23/32	2-1/2	1/2
Standard Rail & Stile Bits	891.502.11	1-3/4	44.5			23/32 to 7/8	2-51/64	22mm
Reverse Glue Joint Bit	855.501.11	1-3/4	44.5	1-1/4	31.7	19/32 to 1-3/16	2-3/4	
Drawer Lock Bit	855.502.11	2	50.8	1/2	12.7	5/8 to 1	2	

800.511.11 5 piece Bevel & Radius Complete Kitchen Set 1/2" shank

PACK QTY. 1

SET CONTAINS	ORDER NO. 1/2" shank	D		I		T ₁	L	LB
		inches	mm	inches	mm	inches	inches	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	1/2
Bevel & Radius Rail & Stile Bits	891.503.11	1-3/4	44.5			23/32 to 7/8	2-51/64	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	
Drawer Lock Bit	855.502.11	2	50.8	1/2	12.7	5/8 to 1	2	

3 piece Kitchen Sets



800.513.11 Ogee Kitchen Set **1/2" shank** **PACK QTY. 1**

SET CONTAINS	ORDER NO. 1/2" shank	D		I		T _i	L	LB
		inches	mm	inches	mm	inches	inches	inches
Ogee Raised Panel Bit	890.504.11	3-1/2	88.9	19/32	15	23/32 to 25/32	2-17/32	1/2
Ogee Rail & Stile Bits	891.501.11	1-3/4	44.5			23/32 to 7/8	2-51/64	22mm

800.512.11 Standard Kitchen Set **1/2" shank** **PACK QTY. 1**

SET CONTAINS	ORDER NO. 1/2" shank	D		I		T _i	L	LB
		inches	mm	inches	mm	inches	inches	inches
Standard Raised Panel Bit	890.505.11	3-1/2	88.9	19/32	15	23/32 to 25/32	2-17/32	1/2
Standard Rail & Stile Bits	891.502.11	1-3/4	44.5			23/32 to 7/8	2-51/64	22mm

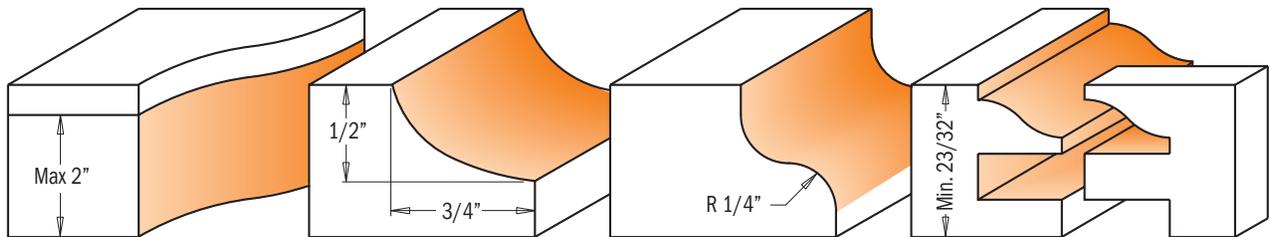
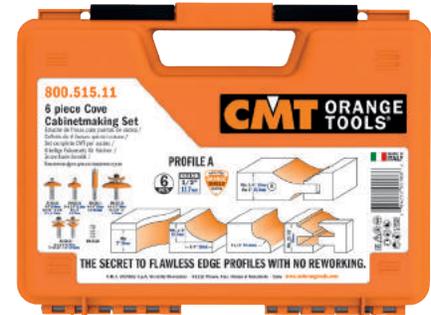
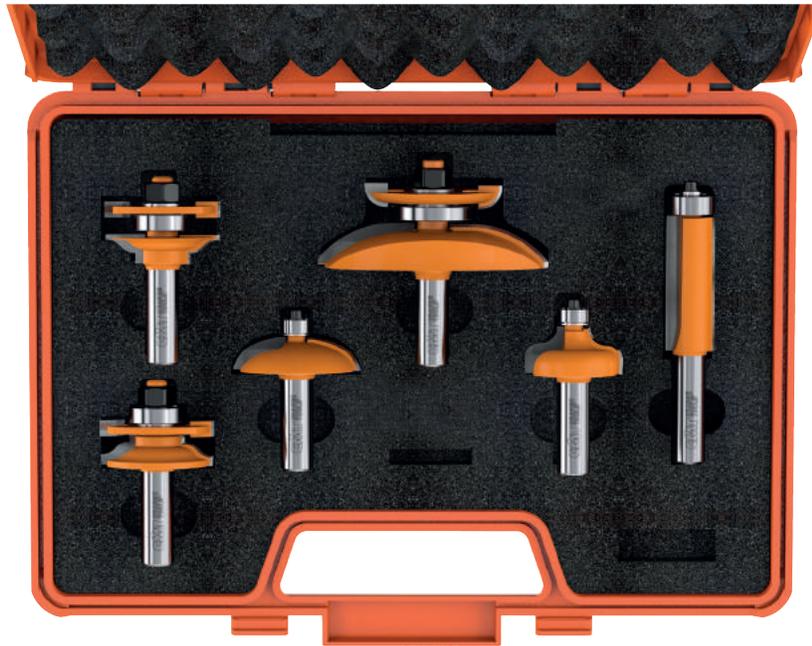
800.514.11 Bevel & Radius Kitchen Set **1/2" shank** **PACK QTY. 1**

SET CONTAINS	ORDER NO. 1/2" shank	D		I		T _i	L	LB
		inches	mm	inches	mm	inches	inches	inches
Bevel & Radius Raised Panel Bit	890.506.11	3-1/2	88.9	19/32	15	23/32 to 25/32	2-17/32	1/2
Bevel & Radius Rail & Stile Bits	891.503.11	1-3/4	44.5			23/32 to 7/8	2-51/64	22mm

800.516.11 Cove Kitchen Set **1/2" shank** **PACK QTY. 1**

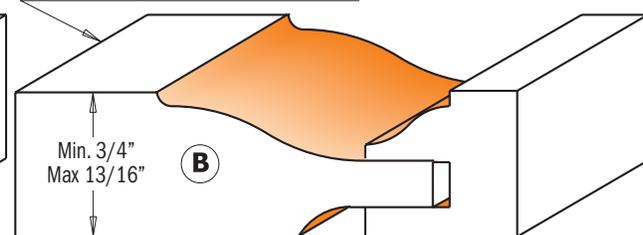
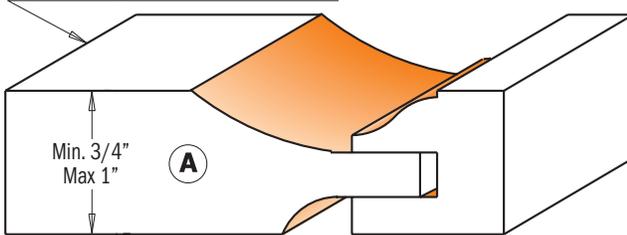
SET CONTAINS	ORDER NO. 1/2" shank	D		I		T _i	L	LB
		inches	mm	inches	mm	inches	inches	inches
Cove Raised Panel Bit	890.507.11	3-1/2	88.9	19/32	15	23/32 to 25/32	2-17/32	1/2
Standard Rail & Stile Bits	891.502.11	1-3/4	44.5			23/32 to 7/8	2-51/64	22mm

6 piece Cabinetmaking Sets



Cove raised panel bit in **800.515.11**

Ogee raised panel bit in **800.520.11**



Drawings are 1:1 scale

800.515.11 6 piece Cove Cabinetmaking Set 1/2" shank

Profile A

PACK QTY. 1

SET CONTAINS	ORDER NO. 1/2" 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	3-35/64	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 6 piece Ogee Cabinetmaking Set 1/2" shank

Profile B

PACK QTY. 1

SET CONTAINS	ORDER NO. 1/2" 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
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

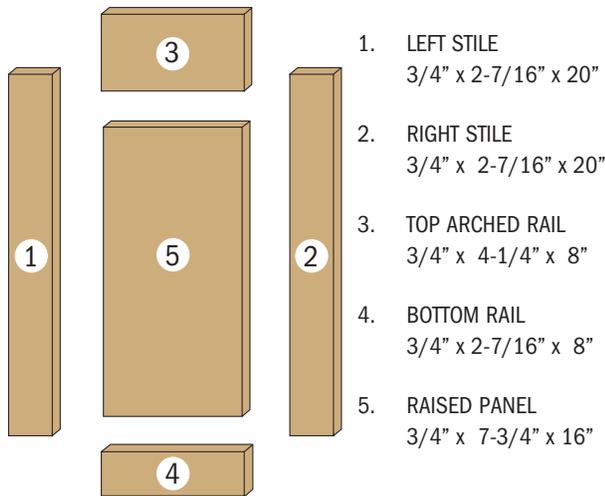
STEP 1. MAKING A SAMPLE DOOR

- 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.



1-2. 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 door length 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.

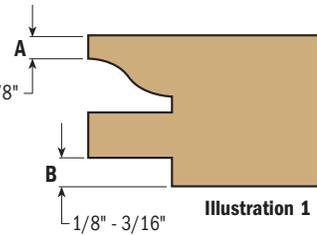
STEP 3. CUTTING THE COPE CUTS ON EACH END OF THE 2 RAILS

- 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, 1/8" make B thicker for strength of panel.

- 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.

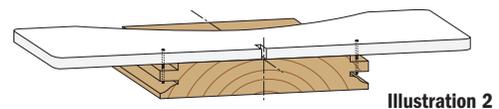


STEP 4. USING RAIL TEMPLATE TO FLUSH TRIM TOP RAIL TO CORRECT SHAPE

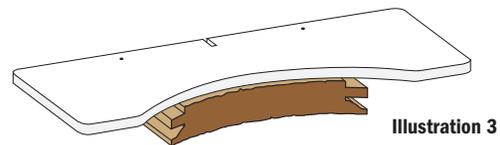
- A) Locate center of top rail with pencil on the back side.
- B) Pick out the correct template.

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.

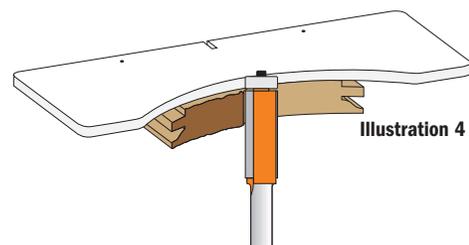
- C) Line up template on back side of rail centering the notch of template with center line of rail. Now nail through the template into the 2 copes that were just cut (Illustration 2).



- D) Rough cut with jig or band saw within 1/8" or 1/4" of template (Illustration 3).



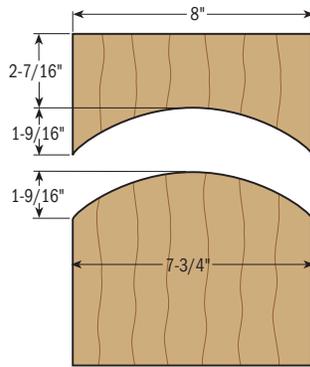
- E) Put flush trimming bit into router and set so bearing is flush with template (Illustration 4).



- F) Run router at 20,000-22,000 RPMs and flush trim top crown rail with good side down.

Building Arched Raised Panel Doors

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

- Locate center of raised panel on front side.
- Pick out correct template (same size as rail template).
- Line up center notch of template with center line of panel and make sure it is also square (Illustration 5).
- Nail template to panel about 1/2" in from each side (Illustration 5).

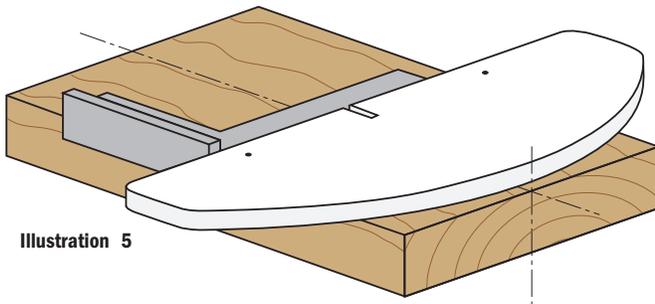


Illustration 5

NOTE: DRIVE NAILS IN ABOUT 1/4"-3/8". THE NAIL HOLES WILL BE MACHINED OUT WHEN RAISED PANEL CUT IS MADE.

- Rough cut stock to within 1/8" - 1/4" of template.
- 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

- Pattern cutter is the cutter with the bearing on top.
- Insert pattern cutting bit to correct height to match cope cut. This can be done by making a few practice cuts in scrap wood.
- Run router at 14,000-16,000 RPMs.
- Start cut with bearing making contact with template only and ease into cut. No fence is used. (Illustration 6).
- Slow down at end of cut to prevent any chipout.
- Remove template from top arched rail.

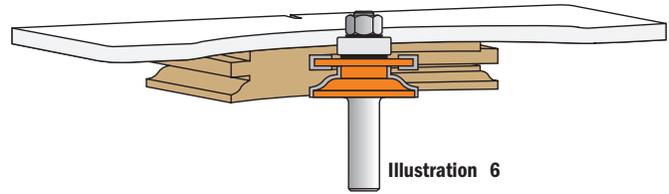


Illustration 6

STEP 7. CUTTING THE STRAIGHT BOTTOM RAIL AND 2 STILES

- Insert fence and line up fence with bearing on the same pattern cutter.
- Run router 14,000-16,000 RPMs
- Use push-block and push bottom rail through with good side down.

STEP 8. MAKING RAISED PANEL CUT

- 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.

- Set fence so it is even with bearing on panel cutter.
- Run router slow 10,000 RPMs. ALWAYS USE PUSH BLOCKS FOR SAFETY.
- Make first cut across the grain with good side face down.
- Cut with the grain on left side.
- Remove fence and use a half-fence. (Illustration 7)
- Start by re-doing left side and come around and cut the curved top of the panel freehand.
- Install full fence and complete right side.

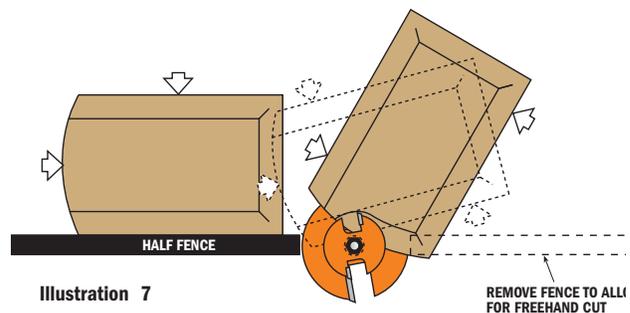
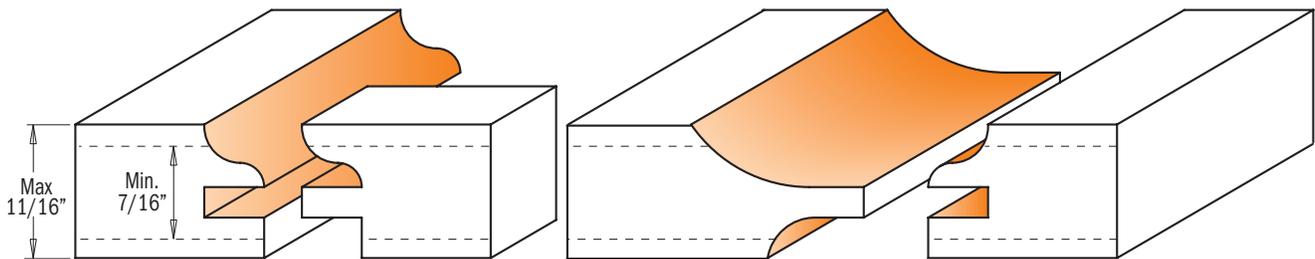


Illustration 7

3-piece Junior Raised Panel Sets with Back Cutter



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.

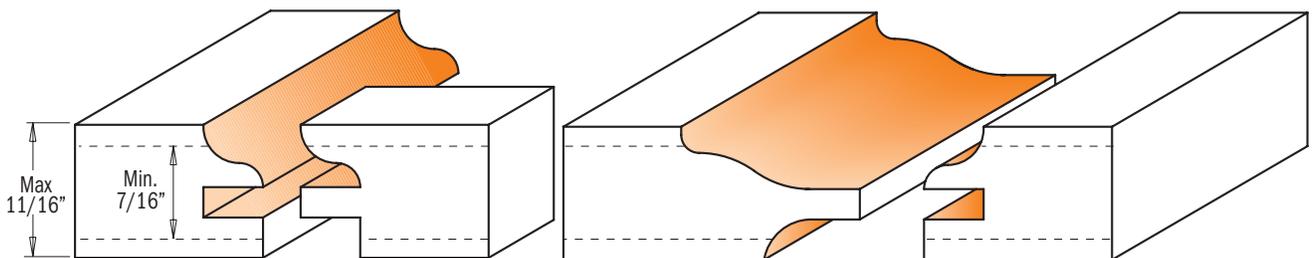


Drawings are 1:1 scale

800.518.11 3 piece Cove Junior Raised Panel Set 1/2" shank

PACK QTY. 1

SET CONTAINS	ORDER NO. 1/2" 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



Drawings are 1:1 scale

800.522.11 3 piece Ogee Junior Raised Panel Set 1/2" shank

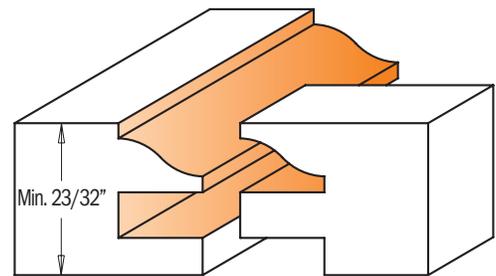
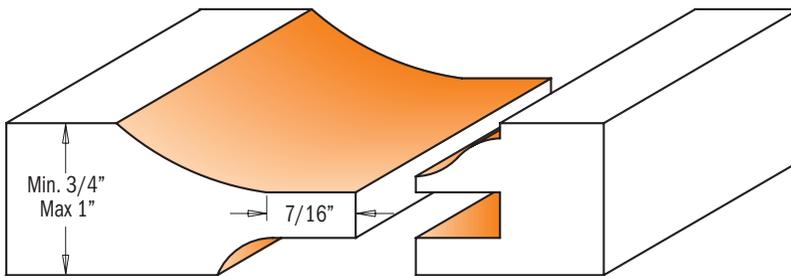
PACK QTY. 1

SET CONTAINS	ORDER NO. 1/2" 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



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.

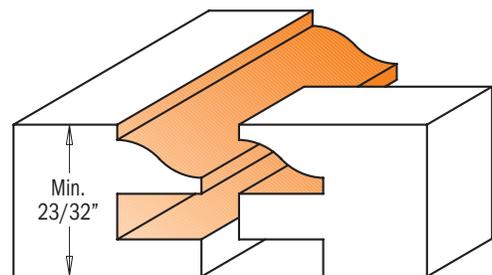
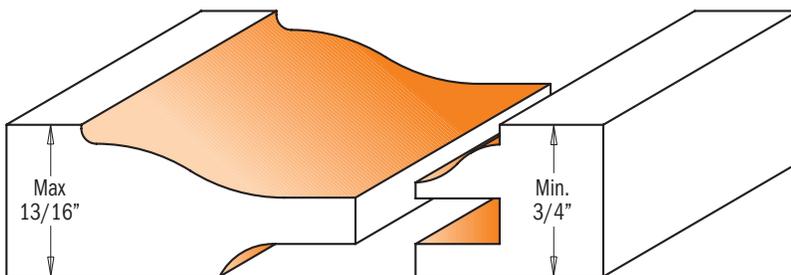


Drawings are 1:1 scale

800.517.11 3 piece Cove Raised Panel Set 1/2" shank

PACK QTY. 1

SET CONTAINS	ORDER NO. 1/2" 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



Drawings are 1:1 scale

800.521.11 3 piece Ogee Raised Panel Set 1/2" shank

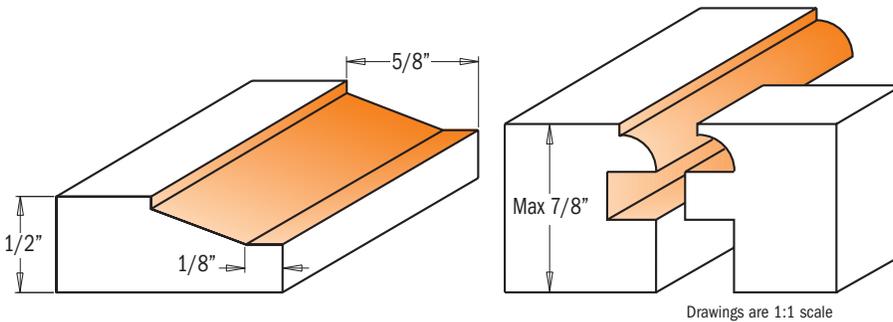
PACK QTY. 1

SET CONTAINS	ORDER NO. 1/2" 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.

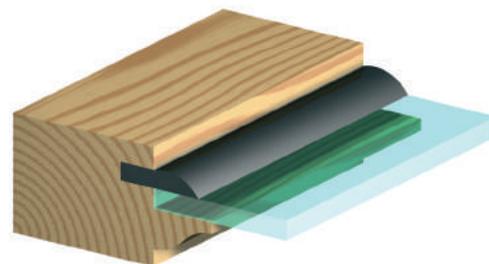
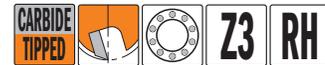


800.524.11 3 piece Small Arch Door Set 1/2" shank

PACK QTY. 1

SET CONTAINS	ORDER NO. 1/2" shank	D		I		T ₁		L		LB
		inches	mm	inches	mm	inches	mm	inches	mm	inches
Small Standard Raised Panel Set	890.512.11	1-7/8	47.6	3/8	9.5	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

Slot Cutter Set



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

824.121.10
S=1/2"

824.122.10
S=1/2"

824.127.10
S=1/2"

824.128.10
S=1/2"

Spare parts

H		ORDER NO.
inches	mm	
9/16	8-19	791.034.00
1/2	8-22	791.005.00
3/8	8-28,5	791.030.00
5/16	8-31,7	791.033.00

823.001.11 Slot Cutter Set

PACK QTY. 1

SET CONTAINS	PIECES	ORDER NO.	S		I		D		B
			inches	mm	inches	mm	inches	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							

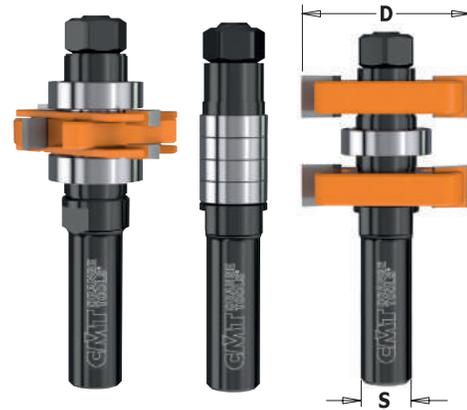
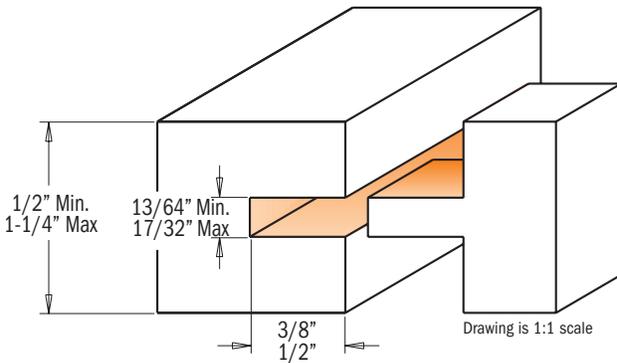
Adjustable Tongue & Groove Bit Set



Exclusive CMT design which allows the perfect fit 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 at 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.

Packaged in a sturdy recloseable plastic case.



800.625.11 1/2" shank

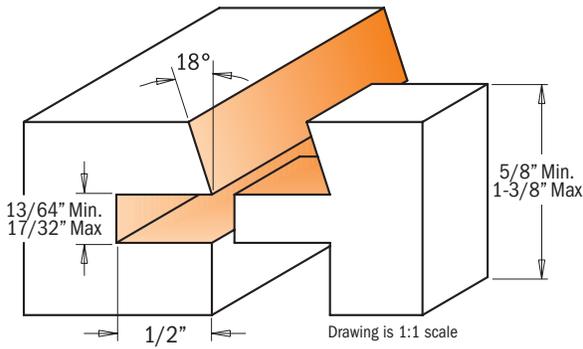
Pack Qty. 5

ORDER NO. 1/2" shank	D inches	T _i inches	H inches	L inches
800.625.11	1-5/8	1/2 - 1-1/4	3/8 - 1/2	3-11/32

Adjustable Shaker Router Bit



These new bit sets are excellent for producing adjustable tongue and groove joints with a bevel, in order to eliminate the panel rattle that may come up 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. Packaged in a sturdy recloseable plastic case.



800.624.11

1/2" shank

Pack Qty. 5

ORDER NO. 1/2" shank	D inches	T ₁ inches	H inches	A	L inches
800.624.11	1-5/8	5/8 - 1-3/8	1/2	18°	3-27/64

Tenon Cutting Router Bit Sets



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.

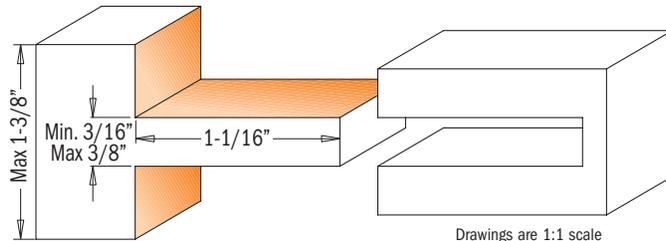
Safety Precautions:
maximum speed: 12,000 rpm.
Router table only.

800.627.11 1/2" shank PACK QTY. 5

ORDER NO. 1/2" shank	I inches	I mm	D inches	H inches	L inches
800.627.11	1-3/8	34.9	3	1-1/16	3-5/16

Spare parts

824.134.00	Arbor 1/2"shank
822.020.11	Slot cutter 1/4"
541.521.00	Spacer 1/16"
541.522.00	Spacer 1/8"
541.523.00	Spacer 1/4"
541.513.00	Spacer 0.1mm
541.520.00	Spacer 0.3mm
990.022.00	Nut for arbor, M12x1.25mm



Drawings are 1:1 scale

DVD video and Instruction Manual included!

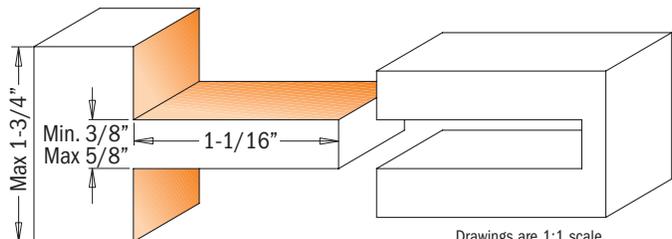


800.628.11 1/2" shank PACK QTY. 5

ORDER NO. 1/2" shank	I inches	I mm	D inches	H inches	L inches
800.628.11	1-3/4	44.5	3	1-1/16	4

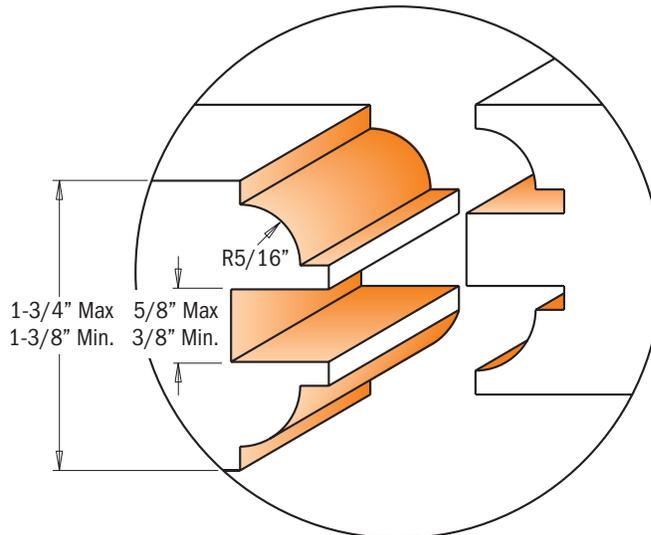
Spare parts

824.135.00	Arbor 1/2"shank
822.020.11	Slot cutter 1/4"
541.521.00	Spacer 1/16"
541.522.00	Spacer 1/8"
541.523.00	Spacer 1/4"
541.513.00	Spacer 0.1mm
541.520.00	Spacer 0.3mm
990.022.00	Nut for arbor, M12x1.25mm



Drawings are 1:1 scale

Entry & Interior Door router Bit Set

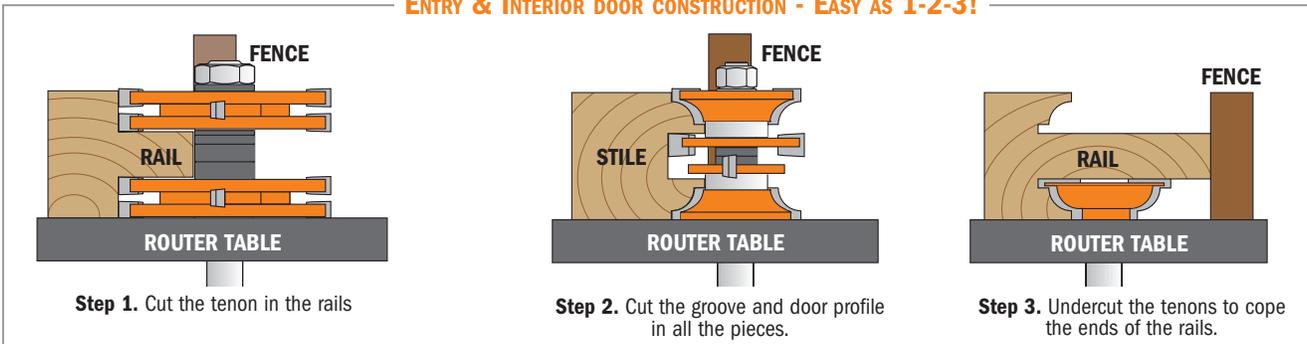


The new CMT three-piece set simplifies door construction, making it easy as 1-2-3! This handy multi-functional set creates fine entry and passage doors as well as beautiful furniture tenons. The featured tenon cutter produces a beefy 1-1/16" long tenons. Coupled with the cope cutter, strong tenons are 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.



Instruction Manual included!

ENTRY & INTERIOR DOOR CONSTRUCTION - EASY AS 1-2-3!



800.527.11 3 piece Entry & Interior Door Router Bit Set 1/2" shank

PACK QTY. 1

SET CONTAINS	ORDER NO. 1/2" shank	D		I		T ₁	L		B
		inches	mm	inches	mm	inches	inches	mm	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

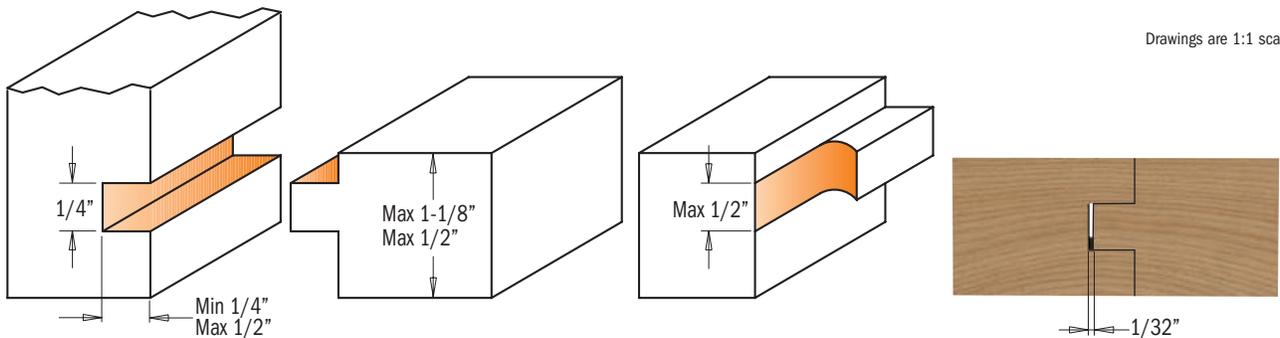
3 piece Tongue & Groove Cabinetmaking Set



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.



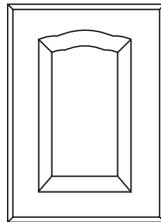
800.526.11 3 piece Tongue & Groove Cabinetmaking Set **1/2" shank** PACK QTY. 1

SET CONTAINS	ORDER NO. 1/2" 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

Doormaking Templates

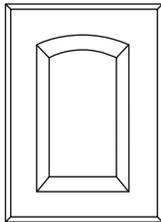
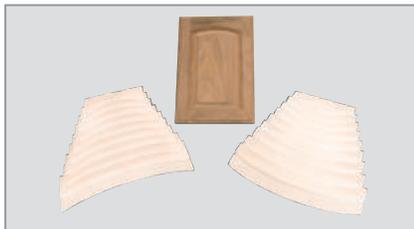
These template systems solve the problems of making arched raised panel doors by eliminating the need for high-cost hold-down jigs. Each of our five 20-piece template packages (#TMP-001 through TMP-005) includes ten sizes for the panels and the ten corresponding templates for the matching arched rails. Each set has templates for doors from 9-1/2" to 22" wide, and each template is stamped with the door width. All templates are made of rugged HDPE plastic.

TMP

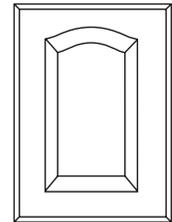


American

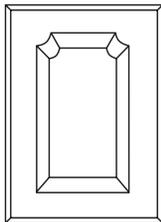
ORDER NO.	PACK Qty.	DESCRIPTION	
TMP-001	1	French Provincial	Black/White
TMP-002	1	Classic Country	Black
TMP-003	1	Cathedral	Blue
TMP-004	1	Roman	White
TMP-005	1	American	Yellow
TMP-006	1	American junior	



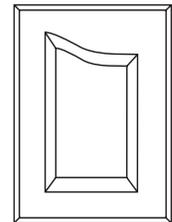
Roman



Cathedral



Classic Country



French Provincial

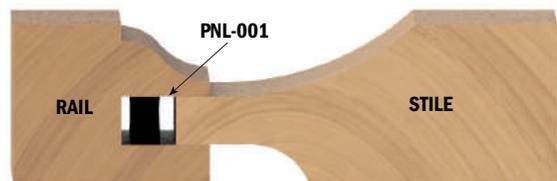
Panalign Strips

Beautiful panel doors can be ruined by a poorly-aligned panel. Next time, slip Panalign Strips into the stiles and rails to keep panels perfectly centered while allowing for expansion.

Unlike carpet foam, which eventually loses elasticity and ceases to work, the rubber in Panalign Strips is specially designed to spring back indefinitely. The rectangular shape makes the strips easy to handle. Typical doors require 4 to 8 strips each.

PNL

ORDER NO.		DESCRIPTION	
PNL-001	1	Panalign strips	Qty. 200
PNL-002	1	Panalign strips	Qty. 500
PNL-003	1	Panalign strips	Qty. 1,000



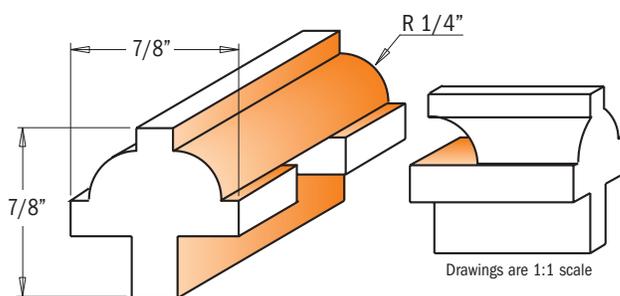
3 piece Divided Light Door Set



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.



800.525.11 3 piece Divided Light Door Set 1/2" shank

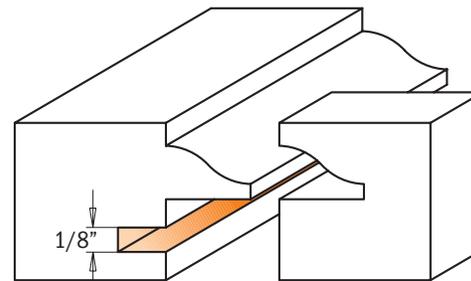
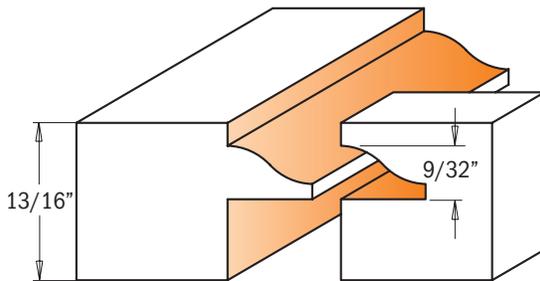
PACK QTY. 1

SET CONTAINS	ORDER NO. 1/2" 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



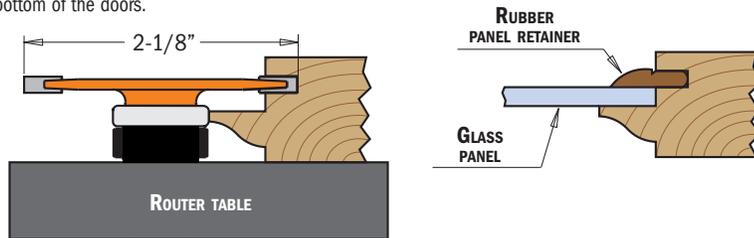
CMT's unique stile and rail set allows you to produce glass panel doors utilizing a rubber panel retainer to secure the glass in a 1/8" slot cut into the frames. These 1/2" shank bits work the same as our other stile and rail sets, but leave you with a square rabbet on the inside of your door for glass installation. Packaged in a sturdy recloseable plastic case.



Drawings are 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.



822.016.11B

Glass Panel Retainers

Order No. **GLAS/RTBRN** 25' roll



Our unique retainer strips fit perfectly in the 1/8" slot created by the slot cutter bit, and hold your glass securely in the frame. Sold in 25' lengths.

855.803.11 3 piece Glass Panel Set 1/2" shank

PACK QTY. 1

SET CONTAINS	ORDER NO. 1/2" 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

7 piece Crown Molding Set



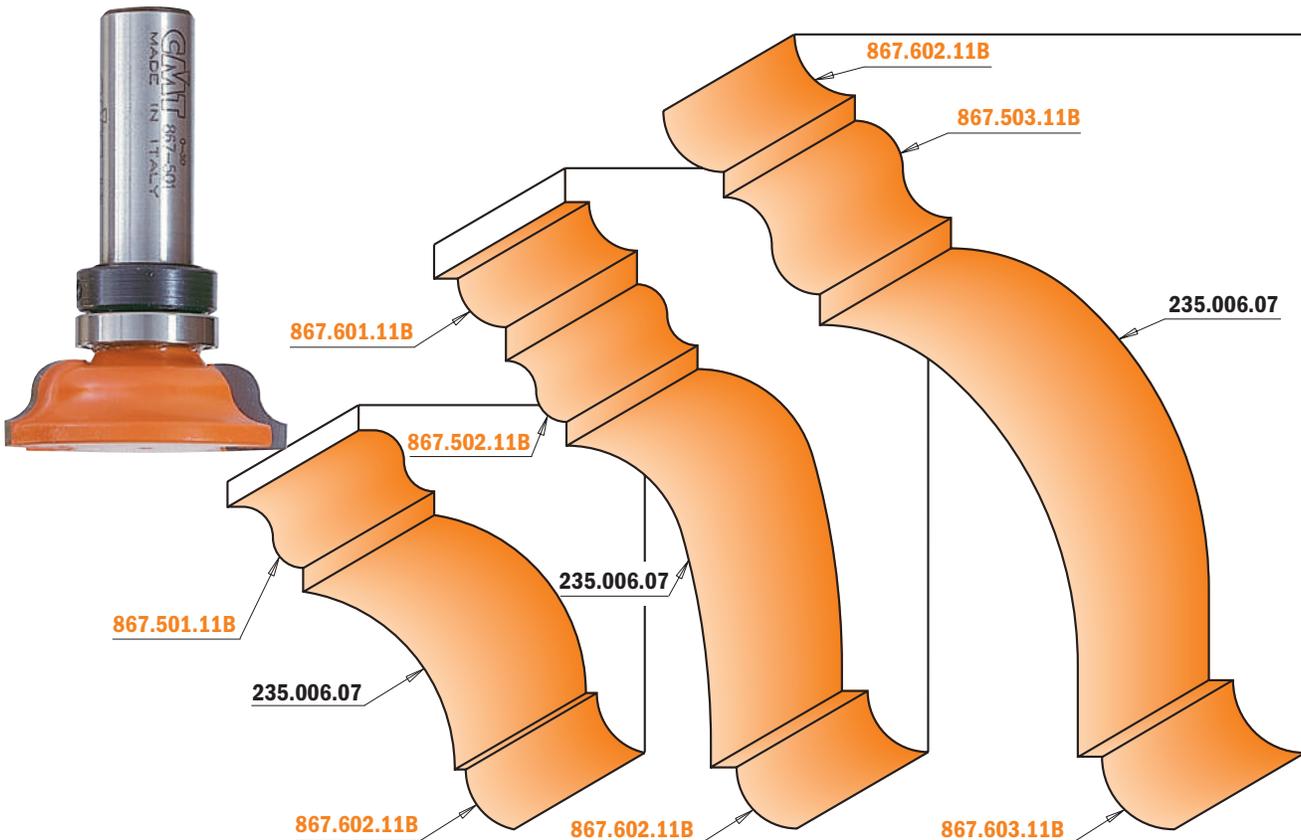
800.523.11 7 piece Crown Molding Set 1/2" shank PACK QTY. 1

SET CONTAINS	ORDER NO. 1/2" 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

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.



Drawings are 2:1 scale

Creating decorative molding with CMT's Crown Molding Set

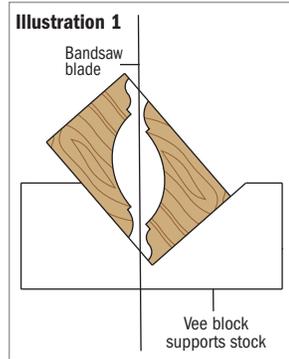
CMT's Crown Molding Set allows you to shape elegant moldings with your tablesaw and router table. The set consists of a cove cutter and six router bits with inverted profiles. The cove cutter mounts on your tablesaw and is used in conjunction with a pair of angled fences. Changing the fence angle and 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.

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

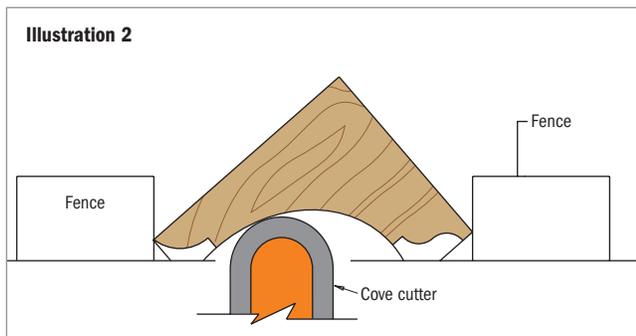
Begin by disconnecting the tablesaw from its power source and removing the blade. To mount the cutterhead, first position the 2-5/8" diameter spacer that came with the set against the flange on the saw arbor. The spacer will center the cutterhead within the throat plate opening. Next, position the cutterhead 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.

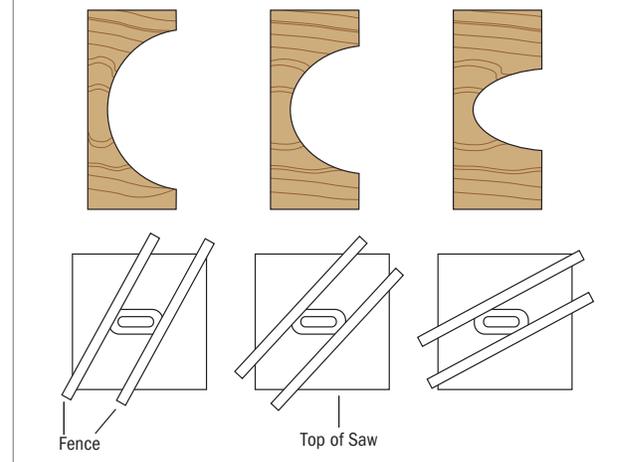
Always make your molding by milling the cove first while the stock has the greatest mass. To safely use the cove cutter, it's necessary to have a dado head insert plate for your saw. Use a dual fence set up as shown in Illustrations 2 & 3 to guide and support the workpiece as the cove is shaped. The 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 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.

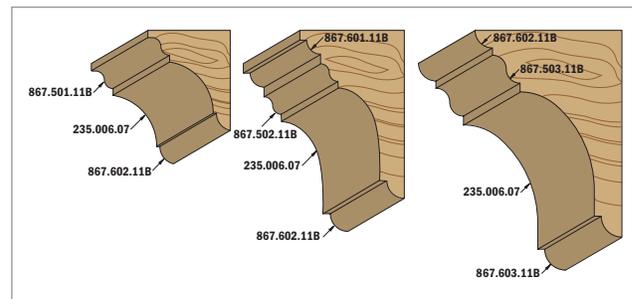
Before routing, always begin with a drawing of the molding that you would like to produce. Remember, begin by shaping the cove with the cove cutter on your tablesaw, then set up the routing tasks.

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.



NEW CONTRACTOR ROUTER BIT FROM CMT



Deluxe packaging

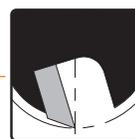


For value-driven contractors,
remodelers and DIYers.
Great quality/price ratio
and long-lasting performance.



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.



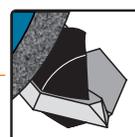
SINTERHIP HI-DENSITY CARBIDE

New process called SinterHIP (Hot Isostatic Pressing), helps prevent material failure and increases cutting life.



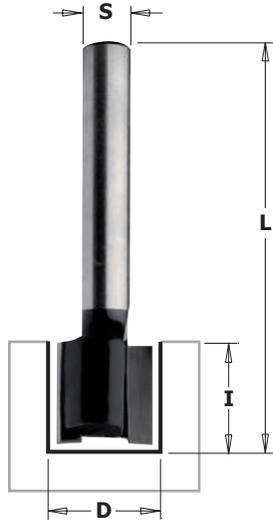
CORROSION-FREE BLACK COATING

Protects against corrosion and provides a longer bit life.



PRECISION GROUND CUTTING EDGES

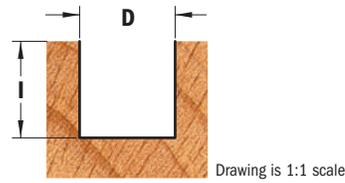
Each cutting edge is precisely sharpened to obtain a sharp and durable cutting angle.



801

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.

CARBIDE TIPPED Z2 RH



ORDER NO.	1/4" shank	D		I	L
		inches	mm		
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



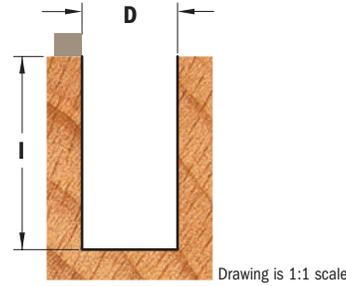
Pattern Bits



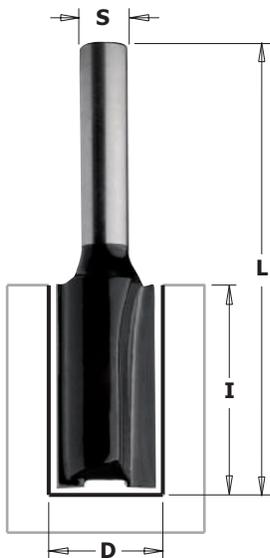
811

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.

CARBIDE TIPPED Z2 RH



ORDER NO.	1/4" shank	D		I	L
		inches	mm		
81120	10	1/2	12.7	1	2-11/16



Straight Bits

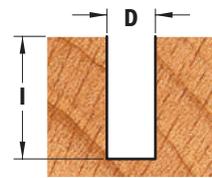


811

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.

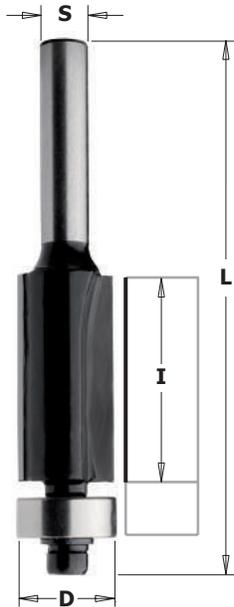
CARBIDE TIPPED Z1 Z2 RH

ORDER NO.	1/4" shank	D		I	L
		inches	mm		
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	9.5	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



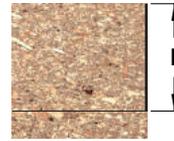
* Z1

Flush Trim Bits



806

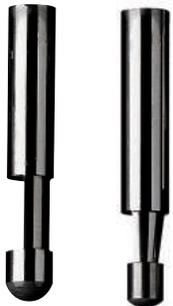
Precise flush trimming of wood or laminate material. Bottom bearing runs effortlessly against finished work piece delivering a smooth to the touch flush trim cut. Two carbide-tipped cutting edge design optimizes performance.



Drawing is 1:1 scale

ORDER NO. 1/4" shank		D inches	mm	I inches	L inches
80603	10	3/8	9.5	9/16	2-3/16
80604	10	1/2	12.7	1	2-5/8
new 80605	10	1/2	12.7	1/2	2-3/16

Laminate Trimmer Bits



84201

84301

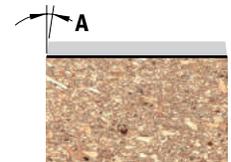


842 - 843

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.

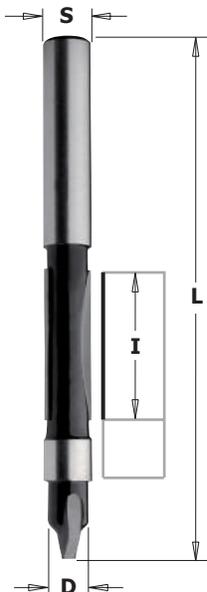


ORDER NO. 1/4" shank		D inches	mm	I inches	A	L inches
84201	10	1/4	6.35	3/8	0°	1-1/2
84301	10	1/4	6.35	1/4	7°	1-1/2



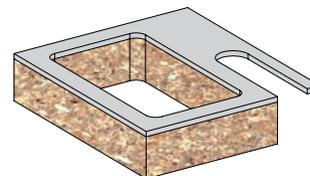
Drawing is 1:1 scale

Panel Pilot Bits



816

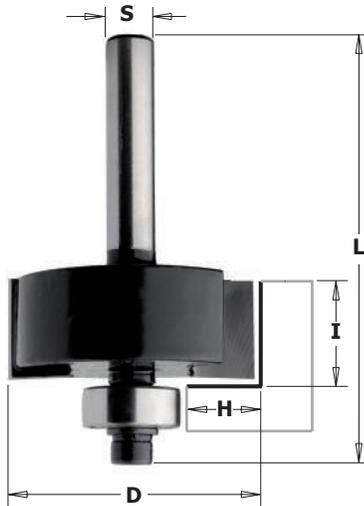
Quickly cut openings in panel, drywall and siding for door and window openings. Features a sharpened carbide tip for plunging and two carbide cutters for fast, smooth cuts. Ideal for trimming veneered boards, laminates and Formica®.



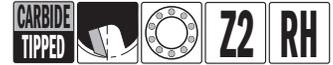
Drawing is 1:1 scale

ORDER NO. 1/4" shank	ORDER NO. 1/2" shank		D inches	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

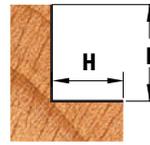
Rabbeting Bits



835



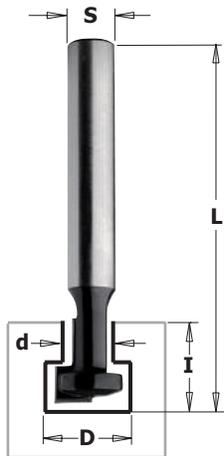
Ideal for creating inset doors and drawer fronts or to re-groove old window frames to accept a panel of glass. Features two carbide-tipped cutting edges, anti-kickback design with heat treated shank and body for durability. Bottom bearing included.



Drawing is 1:1 scale

ORDER NO.	1/4" shank	D		I	H	L
		inches	mm			
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

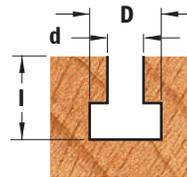
Keyhole Bit



850



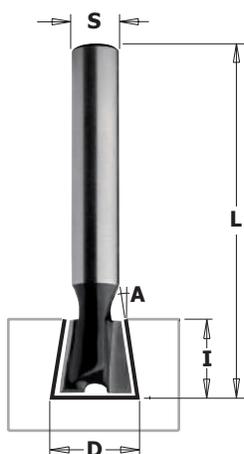
Easily create a hardware-free way to hang pictures and plaques on a wall. Cuts a key-holed groove or slot in a variety of materials such as wood, plywood and laminates.



Drawing is 1:1 scale

ORDER NO.	1/4" shank	D		I	L
		inches	mm		
85001	10	3/8	9.5	3/16	1-7/8

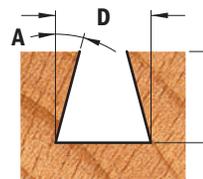
Dovetail Bits



818



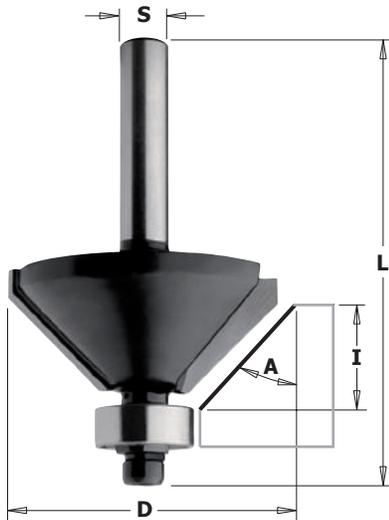
Use our bits with some of the most popular dovetail jigs on the market to create clean dovetail joints in wood and wood composite material. Balanced for good performance.



Drawing is 1:1 scale

ORDER NO.	1/4" shank	D		I	A	L
		inches	mm			
81809	10	3/8	9.5	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

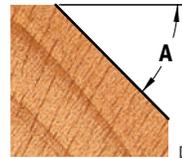
Chamfer Bit



836



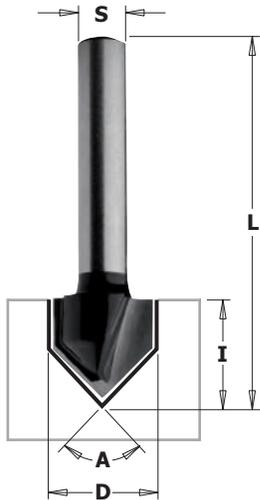
Produce clean, accurate bevel or chamfer edges for edge jointing, decorative edges or perfectly aligned boxes. Features two carbide-tipped cutting edges, anti-kickback design with heat treated shank and body for durability. Bottom bearing included.



Drawing is 1:1 scale

ORDER NO.		D	I	A	L	
1/4" shank		inches	mm	inches	inches	
83605	10	1-3/8	34.9	7/16	45°	2-3/16

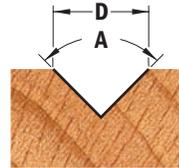
V-Grooving Bits



858 - 815



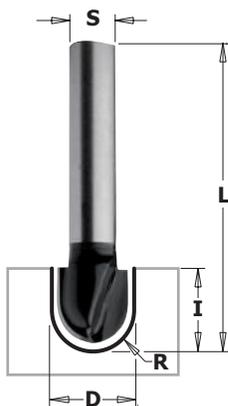
Make a clean sharp V-groove in panel and drawer fronts for decorative projects. Good for engraving letters for signs, they feature two sharp carbide-tipped cutting edges for smooth fast cutting. Choose from our 60° or 90° V-groove angle.



Drawing is 1:1 scale

ORDER NO.		D	I	A	L	
1/4" shank		inches	mm	inches	inches	
85801	10	7/16	11	9/16	60°	1-3/4
81503	10	1/2	12.7	1/2	90°	1-3/4

Round Nose Bits

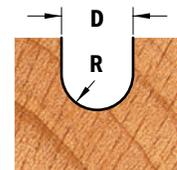


814



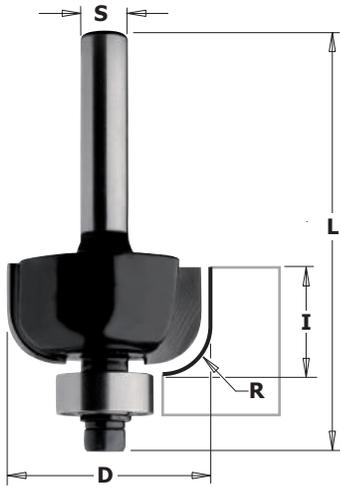
Designed for professional sign and cabinet makers. Use the round nose to make decorative doors, drawer fronts, signs or add a design to any other creative project. Features two carbide-tipped cutting edges which provide a smooth cut in wood and wood products.

ORDER NO.		D	I	R	L
1/4" shank		inches	mm	inches	inches
81410	10	1/4	6.35	3/8	1-9/16
81411	10	3/8	9.5	3/8	1-9/16
81404	10	1/2	12.7	1/2	1-9/16
81412	10	5/8	15.87	1/2	1-3/4
81408	10	3/4	19.05	1/2	1-13/16

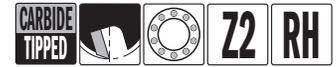


Drawing is 1:1 scale

Cove Bits

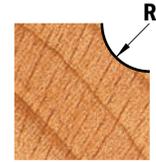


837



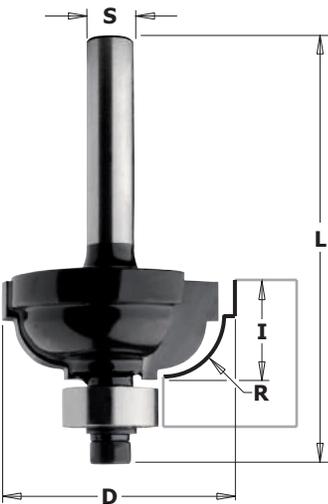
Give your doors and drawer fronts an elegant touch. Pair a cove bit with a roundover bit to create decorative elements on your furniture projects. Features two carbide-tipped cutting edges, anti-kickback design, heat treated shank and body for durability. Bottom bearing included.

ORDER NO.		D	I	R	L	
1/4" shank		inches	mm	inches	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

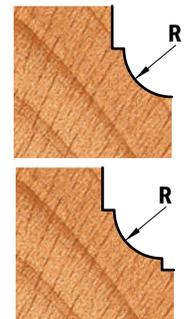


863



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.

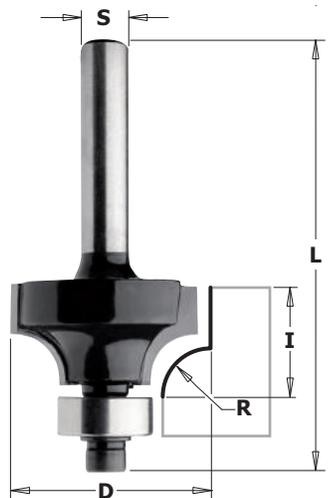
ORDER NO.		D	I	R	L	
1/4" shank		inches	mm	inches	inches	
86301	10	1	25.4	1/2	3/16	2-1/8
86303	10	1-1/8	28.5	17/32	1/4	2-1/8
86304	10	1-3/8	34.9	21/32	3/8	2-5/16



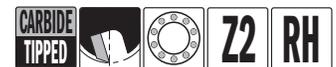
Drawing is 1:1 scale

EACH BIT INCLUDES A 3/8" BEARING FOR BEADING PROFILES

Roundover & Beading Bits

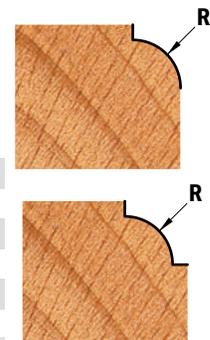


838



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.

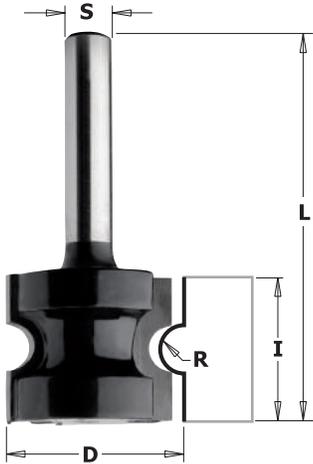
ORDER NO.		D	I	R	L	
1/4" shank		inches	mm	inches	inches	
83801	10	5/8	15.87	5/16	1/16	2
83802	10	3/4	19.05	27/64	1/8	2-1/16
83803	10	7/8	22.2	1/2	3/16	2-1/8
83804	10	1	25.4	17/32	1/4	2-1/8
83806	10	1-1/4	31.7	21/32	3/8	2-1/4
83807	10	1-1/2	38.1	3/4	1/2	2-3/8
83808	10	1-3/4	44.5	7/8	5/8	2-5/8



Drawing is 1:1 scale

EACH BIT INCLUDES A 3/8" BEARING FOR BEADING PROFILES

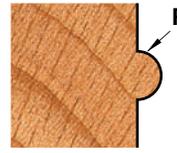
Bull Nose Bit



854



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.



Drawing is 1:1 scale

ORDER NO.		D		I	R	L
1/4" shank		inches	mm	inches	inches	inches
85401	10	7/8	22.2	3/4	1/8	2

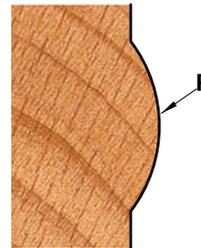
Convex Edge Bit



854



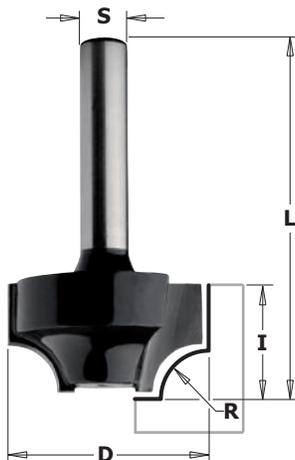
Used for cutting shallow bull nose profiles and creating a soft, slightly rounded edge on natural wood and wood-based material. Features two carbide-tipped cutting edges, anti-kickback design and heat treated shank and body for increased durability.



Drawing is 1:1 scale

ORDER NO.		D		I	R	L
1/4" shank		inches	mm	inches	inches	inches
85411	10	13/16	20.6	1-1/4	23/32	2-1/2

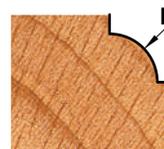
Ovolo Bit



827



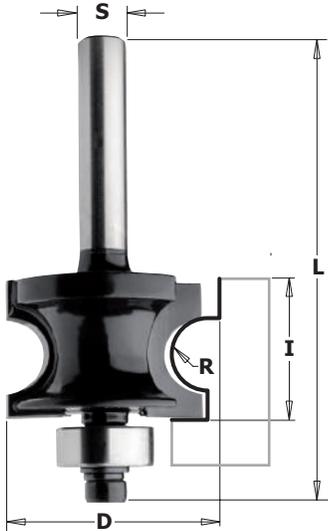
Ideal for furniture makers, you get a roundover with top and bottom bead all in one. Bit equipped with two carbide-tipped cutting edges, features anti-kickback design and heat treated shank and body for increased durability.



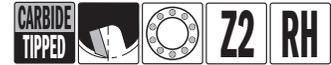
Drawing is 1:1 scale

ORDER NO.		D		I	R	L
1/4" shank		inches	mm	inches	inches	inches
82706	10	1	25.4	9/16	1/4	1-13/16

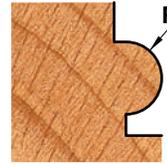
Corner Bead Bit



861



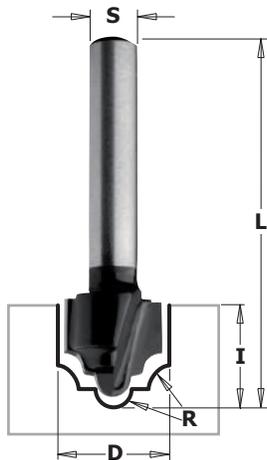
Used for antique reproduction, restoration projects and furniture details. This tool may look like a bull nose bit, but a smaller cutting diameter adjacent to the bearing gives a truly unique shape. Make one pass to mill an attractive rounded edge, or two passes to mill a full-round corner bead. Features two carbide-tipped cutting edges, anti-kickback design and heat treated shank and body for durability. Bottom bearing included.



Drawing is 1:1 scale

ORDER NO.		D	I	R	L
1/4" shank		inches	inches	inches	inches
86102	10	1	11/16	3/16	2-5/16

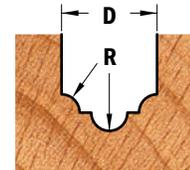
Plunge Ogee Bit



848



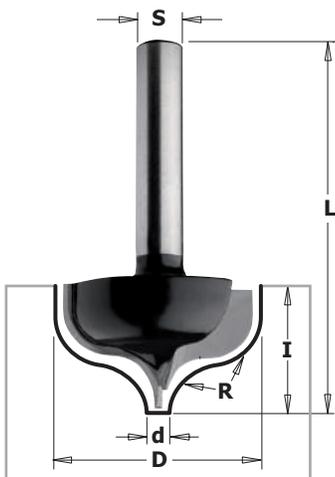
Lots of creative applications are possible with this bit. Add a classic touch to any edge or highlight door fronts and panels with a decorative layered effect. Features two carbide-tipped cutting edges, along with heat treated shank and body for durability.



Drawing is 1:1 scale

ORDER NO.		D	I	R	L
1/4" shank		inches	inches	inches	inches
84805	10	1/2	1/2	3/32	1-13/16

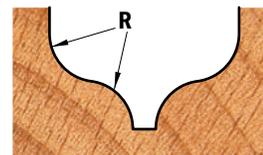
Decorative Ogee Bit



865



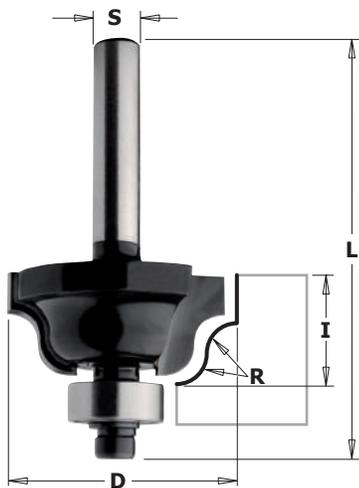
Use this tool to make decorative veining or edges on doors and drawer fronts. Equipped with two carbide-tipped cutting edges and heat treated shank and body for durability.



Drawing is 1:1 scale

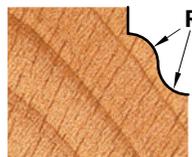
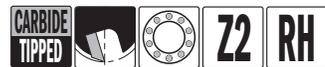
ORDER NO.		D	I	R	L
1/4" shank		inches	inches	inches	inches
86508	10	1-1/32	5/8	1/4	1-7/8

Roman Ogee Bits



840

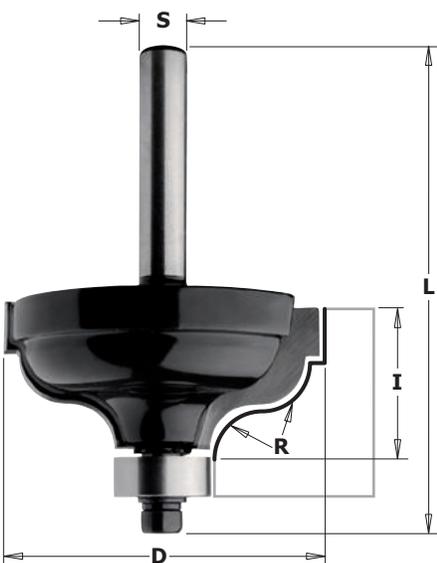
A very popular bit for making a wavy profile which, gives a touch of class to your furniture. These bits feature an anti-kickback design, rust-resistant black coating and include a smooth running bearing for template work.



Drawing is 1:1 scale

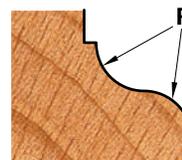
ORDER NO.	1/4" shank	10	D		I	R	L
			inches	mm			
84001			1-1/8	47.6	1/2	5/32	2-1/8
84002			1-1/2	38.1	11/16	1/4	2-3/8

Ogee with Fillet Bit



846

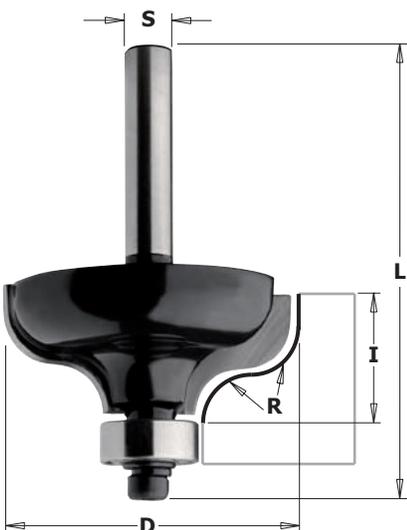
Create a wavy shape with a fillet on top for your project. This tool is equipped with carbide-tipped cutting edges, features anti-kickback design and heat treated shank and body for durability. Bottom bearing included.



Drawing is 1:1 scale

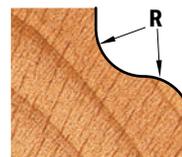
ORDER NO.	1/4" shank	10	D		I	R	L
			inches	mm			
84602			1-5/8	41.2	3/4	1/4	2-7/16

Ogee Bit



859

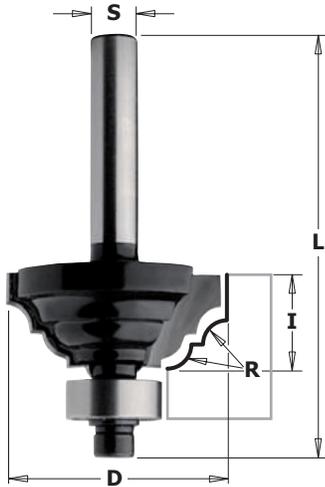
Create a defined wavy shape to the edge of your furniture and cabinets with this traditional ogee bit. Bit features two carbide-tipped cutting edges and anti-kickback design. Bottom bearing included.



Drawing is 1:1 scale

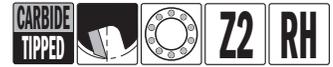
ORDER NO.	1/4" shank	10	D		I	R	L
			inches	mm			
85902			1-1/2	38.1	5/8	1/4	2-1/4

Classical Ogee Bit



841

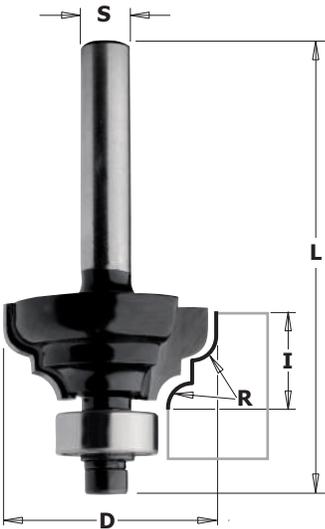
These bits produce both a concave and a convex profile on your work piece for smooth eye-catching detail! They feature 2 sharp cutting edges, rust-resistant black coating and are equipped with a bottom bearing for easy template work on both natural wood and wood-based materials.



Drawing is 1:1 scale

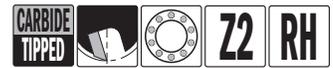
ORDER NO.		D	I	R	L
1/4" shank		inches	mm	inches	inches
84103	10	1-1/8	28.5	1/2	2-1/8

Classical Ogee Bit



844

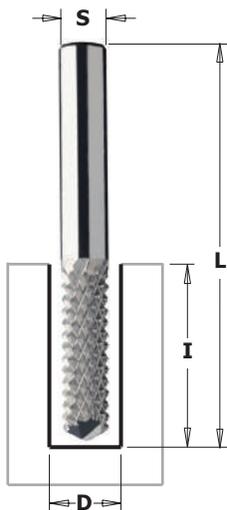
Get an inverted ogee profile with the concave edge adjacent to the upper surface of your workpiece! Equipped with 2 sharp cutting edges and featuring rust-resistant black coating, this tool defines edges with a horizontal bead along the bottom of the cut. A smooth running bearing makes template work easy on both natural wood and wood-based materials.



Drawing is 1:1 scale

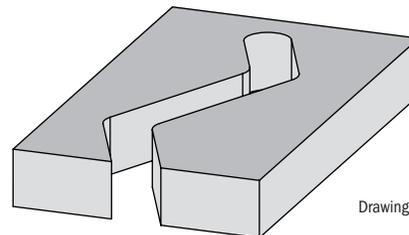
ORDER NO.		D	I	R	L
1/4" shank		inches	mm	inches	inches
84403	10	1	25.4	1/2	2-1/8

Fiberglass & Fiber Cement Burr Bit



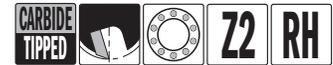
842

This solid carbide bit delivers good cutting performance on fiberglass, tile, fiber cement, drywall, epoxy resin and other abrasive material. Multi-directional cutting.



Drawing is 1:1 scale

ORDER NO.		D	I	L
1/4" shank		inches	mm	inches
84211	10	1/4	6.35	2



80004 4 piece Roundover Set 1/4" shank PACK QTY. 1

ORDER NO.	D		I	R	L
	inches	mm			
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



80005 5 piece Straight Set 1/4" shank PACK QTY. 1

ORDER NO.	D		I	L
	inches	mm		
81103	1/8	3.2	5/16	2
81108	1/4	6.35	1/2	2
81115	3/8	9.5	1	2-3/16
81119	1/2	12.7	1	2-3/16
81131	3/4	19	1	2-3/16

Replacement Bearing Set



79101 PACK QTY. 10

SET INCLUDES	PIECES
3/8" Bearing	1
1/2" Bearing	1
3/8" Dust Shields	1
1/2" Dust Shields	1
Hex Key	1
Screw	1

Hinge Boring System

The innovative CMT333 hinge boring system with 3 spindle-heads allows you to bore holes for any brand of hinge. A universal modular base (supports the installation of many boring heads), engineered by the worldwide leading company in industrial boring machines. Use the CMT333 universal hinge boring system on all hand-held or standing drilling power tools.

CMT333-03



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:

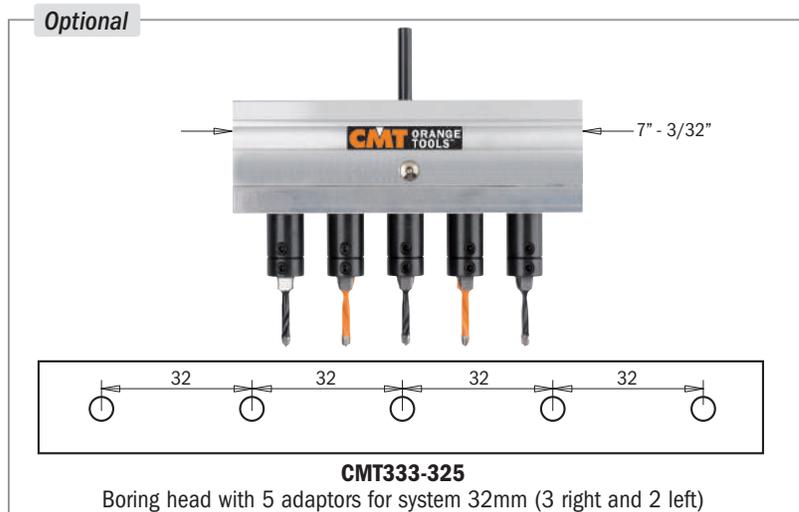
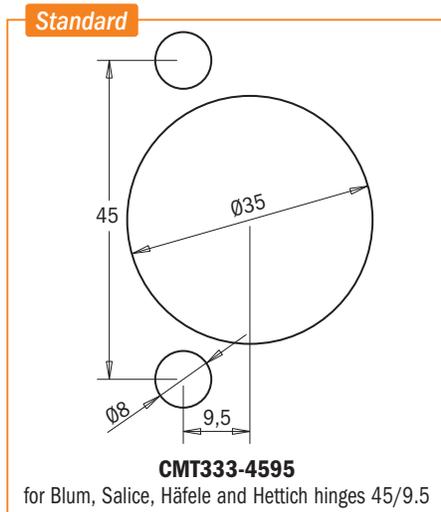
310.080.12 Ø8mm Dowel Drills

Spare parts



990.009.00

991.067.00



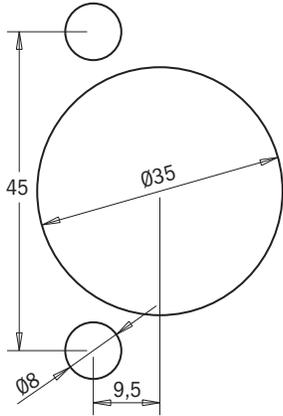
Hinge Boring Head



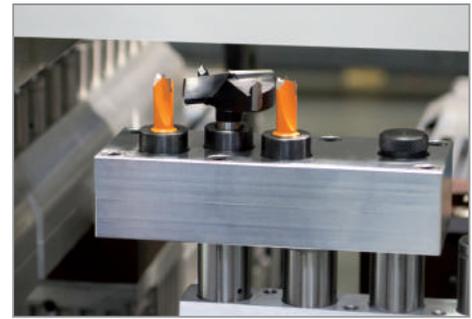
The innovative CMT334 Universal Hinge Boring Head employs three spindles which allow you to bore holes for major hinge brands. The head can be utilized on boring and point-to-point machines. For use with Blum, Salice, Häfele & Hettich hinge systems.

CMT334

Standard



CMT334-4595
for Blum, Salice, Häfele and Hettich hinges 45/9.5



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 RH
393.080.12	Dowel Drill Ø8mm x 38.5mm LH

CMT-ENLOCK Joining System

The ENLOCK system creates fast, simple rock solid joinery for a multitude of woodworking projects. At the heart of the jig, there is a CMT pattern style dovetail bit. The bearing on the dovetail bit rides in and out of the dovetail socket guide on the ENLOCK table and it cuts perfect dovetail sockets every time. These sockets are ready to receive the dovetail keys. There are two sizes of dovetail keys (3/8" and 1/2") which require two sizes of CMT dovetail pattern bits. The keys consist of two components. They are the cap that contains wedge-like prongs and the base that accepts the cap. When the cap prongs are driven into the base, the base expands then secures and locks inside the dovetail socket. The material can be accurately positioned in the jig in a variety of ways. It can be centered by utilizing the left and right rulers built into the jig face or the rulers can be used to set the stops. The dimension of the ruler indicates the precise distance to the center of the dovetail socket. There is also a 45° fence and stop system included with the jig for joining mitered materials. The ENLOCK System is ideal for joining T-joints, corner joints, miter joints and is perfect for clamp free edge-to-edge joinery.

CMT-ENLOCK1

PCT/AU2006/000957



Width range
1-3/16"~2-61/64"

Thickness range
3/4"~1-3/8"

STANDARD EQUIPMENT

- Joining system CMT-ENLOCK1
- Masterpack (50 keys) CMT-ENLOCK10
- Instruction manual (five languages)
- Video available on www.cmtorangetools.com
- 3/8" Dovetail bit included!**

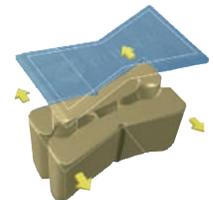
- Strong and versatile clamping bar ensures no movement of the work piece.
- Solid cast aluminum body.
- Adjustable miter blocks for miter joints in picture frames.
- Miter plate can be adjusted to suit width of the work piece.



The CMT-ENLOCK dovetail key expands when the cap is forced into the gap.

This widens the dovetail key, producing strong clamping force across the joint.

No other dovetail system on the market produces this clamping force.



Support foot to attach the jig to the table.



Clamp extension arm to make Edge-to-Edge joints.

A FEW SECONDS AND YOUR JOINTS ARE READY!



ORDER NO.	DESCRIPTION
CMT-ENLOCK1	Complete joining system
CMT-ENLOCK10	Masterpack 50 keys Ø3/8"
CMT-ENLOCK15	Masterpack 50 keys Ø1/2"
818.098.11B	Dovetail bit Ø3/8" (shank 1/4")
818.128.11B	Dovetail bit Ø1/2" (shank 1/4")

Pocket-Pro™ Starter Set

PPJ-002

For fast, easy and accurate cabinet & furniture construction, there's never been a tool like the Pocket-Pro™ Joinery System. This innovative system lets you make rock-solid pocket hole joints in stock from 1/2" to 1-5/8" thick, with unprecedented speed and accuracy. The heart of the System is our unique molded jig, which features hardened drill bushings and an interlocking 2-piece design. Simply sliding the jig up or down allows you to adjust for stock thicknesses in preset 1/8" increments, without test joints or measurements. If you've used other pocket hole jigs, then you're probably familiar with many applications of the joint, but with the Pocket-Pro™ you're in for some big advantages!

Some jigs require that you add or remove portions of the jig to join different stock thicknesses. **Not the Pocket-Pro™!** You simply adjust the interlocking jig up or down for the full range of joints, from 1/2" to 1-5/8" thick.

Other jigs require frequent repositioning of the Depth Stop Collar for different joint styles.

Not the Pocket-Pro™!

The vast majority of adjustments allow you to leave the Stop Collar in the same position on the drill bit.

With the **Pocket-Pro™**, you can adjust the location of the pocket in relation to the end of the 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 the beginner and accurate enough for the pro, the Pocket-Pro is the world's most versatile pocket hole jig.

ORDER NO.	POCKET-PRO™ SPARE SCREWS
990.101X500	500 screws 31,7mm (fine)
990.102X500	500 screws 31,7mm (coarse)
990.103X500	500 screws 38,1mm (fine)
990.104X500	500 screws 38,1mm (coarse)

SET CONTAINS:

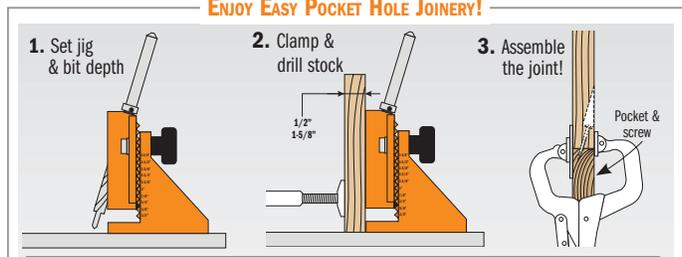
- 999.505.10 two-piece molded jig
- 999.505.05 toggle clamp
- 515.001.51 3/8" step drill bit
- 541.095.00 stop collar
- 999.505.08 driver bit
- 999.101X30 sample screws



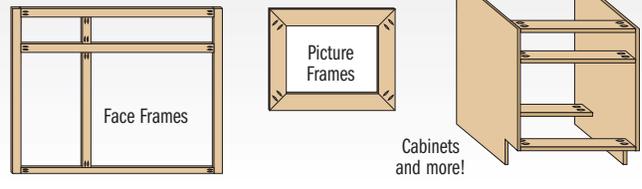
Jig, Toggle Clamp, Drill Bit, Stop Collar, Driver Bit & Sample Screws.

ORDER NO.	DESCRIPTION
PPJ-002	Pocket-Pro™ starter set

ENJOY EASY POCKET HOLE JOINERY!



BUILD ALMOST ANYTHING!



Router Inlay Kit



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.

Instructions available on the web!

899



ORDER NO.	DESCRIPTION
899.051.00	Complete Inlay kit (with spiral bit 192.001.11)
899.052.00	Complete Inlay kit (with straight bit 812.032.11)

Spare parts

899.001.00	Solid brass template guide
192.001.11	Solid carbide spiral bit
812.032.11	Solid carbide straight bit

Universal Dovetail Jig



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.



Standard equipment

- Standard blind template Ø1/2" silver color **CMT300-T128**
- Template guide Ø5/8"x5/32" **899.005.00**

ORDER NO.	DESCRIPTION
CMT300	Dovetail jig

IMPORTANT TIP



HW DOVETAIL BITS (not included):

- 818.128.11 D=1/2" A=14° Shank=1/4"
- 818.628.11 D=1/2" A=14° Shank=1/2"



Will the template guide fit my router?
Standard template guide attaches using two screws spaced 2" apart from center. Many routers accept this design. If your router does not, order the universal router base listed below:

Universal router base
Shank Ø1/4" and Ø1/2" Order no. **CMT300-SB2**

Here's how it works:



Half blind template CMT300-T064



ORDER NO.	TEMPLATE LENGTH inches	DOVETAIL SIZE inches	THICKNESS inches	COLOR
CMT300-T064	12	1/4	5/16 ~ 15/32	green

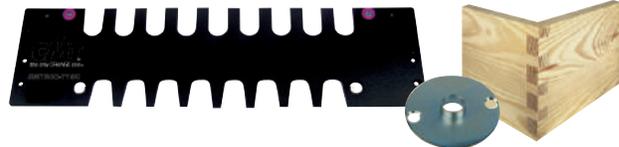
Supplied with Ø5/16"x5/32" precision guide (order no. 899.003.00)

To be used with CMT dovetail router bits:

818.064.11 Dovetail bit Ø1/4"x5/16" (shank Ø1/4")



Through dovetail template CMT300-T129



ORDER NO.	TEMPLATE LENGTH inches	DOVETAIL SIZE inches	THICKNESS inches	COLOR
CMT300-T129	12	1/2	5/16 ~ 25/32	brown

Supplied with Ø7/16"x5/32" precision guide (order no. 899.004.00)

To be used with CMT dovetail router bits:

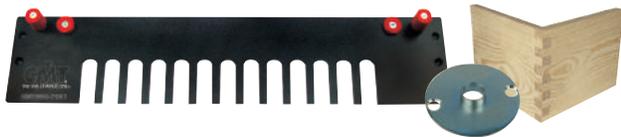
811.081.11 Straight bit Ø5/16"x1" (shank Ø1/4")

818.129.11 Dovetail bit Ø1/2"x13/16" (shank Ø1/4")



Box joint templates

CMT300-T080 - CMT300-T127



ORDER NO.	TEMPLATE LENGTH inches	DOVETAIL SIZE inches	THICKNESS inches	COLOR
CMT300-T080	12	5/16	5/16 ~ 25/32	blue

Supplied with Ø7/16"x5/32" precision guide (order no. 899.004.00)

To be used with CMT dovetail router bits:

811.081.11 Straight bit Ø5/16"x1" (shank Ø1/4")



Through dovetail template CMT300-T190

ORDER NO.	TEMPLATE LENGTH inches	DOVETAIL SIZE inches	THICKNESS inches	COLOR
CMT300-T190	12	3/4	19/32 ~ 1	violet

Supplied with Ø7/8"x5/32" precision guide (order no. 899.006.00)

To be used with CMT dovetail 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")



ORDER NO.	TEMPLATE LENGTH inches	DOVETAIL SIZE inches	THICKNESS inches	COLOR
CMT300-T127	12	1/2	5/16 ~ 25/32	red

Supplied with Ø5/8"x5/32" precision guide (order no. 899.005.00)

To be used with CMT Dovetail 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")



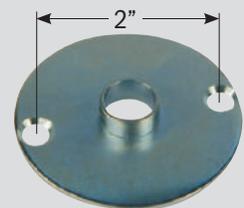
Precision guides for router:

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 BY USING CMT BITS

Half blind



CMT300 - T064
CMT300 - T128 (INCLUDED with CMT300)

Box joint



CMT300 - T080
CMT300 - T127

Through dovetail

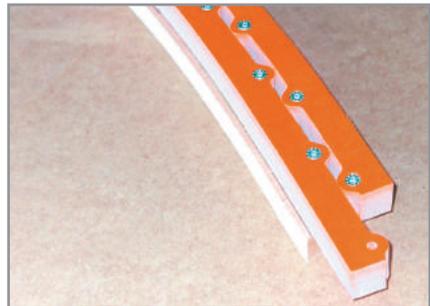
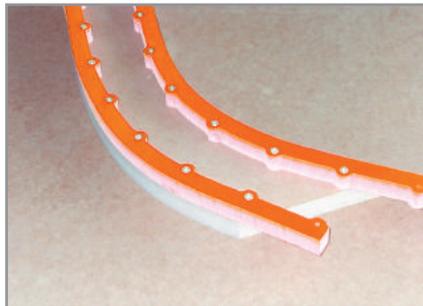
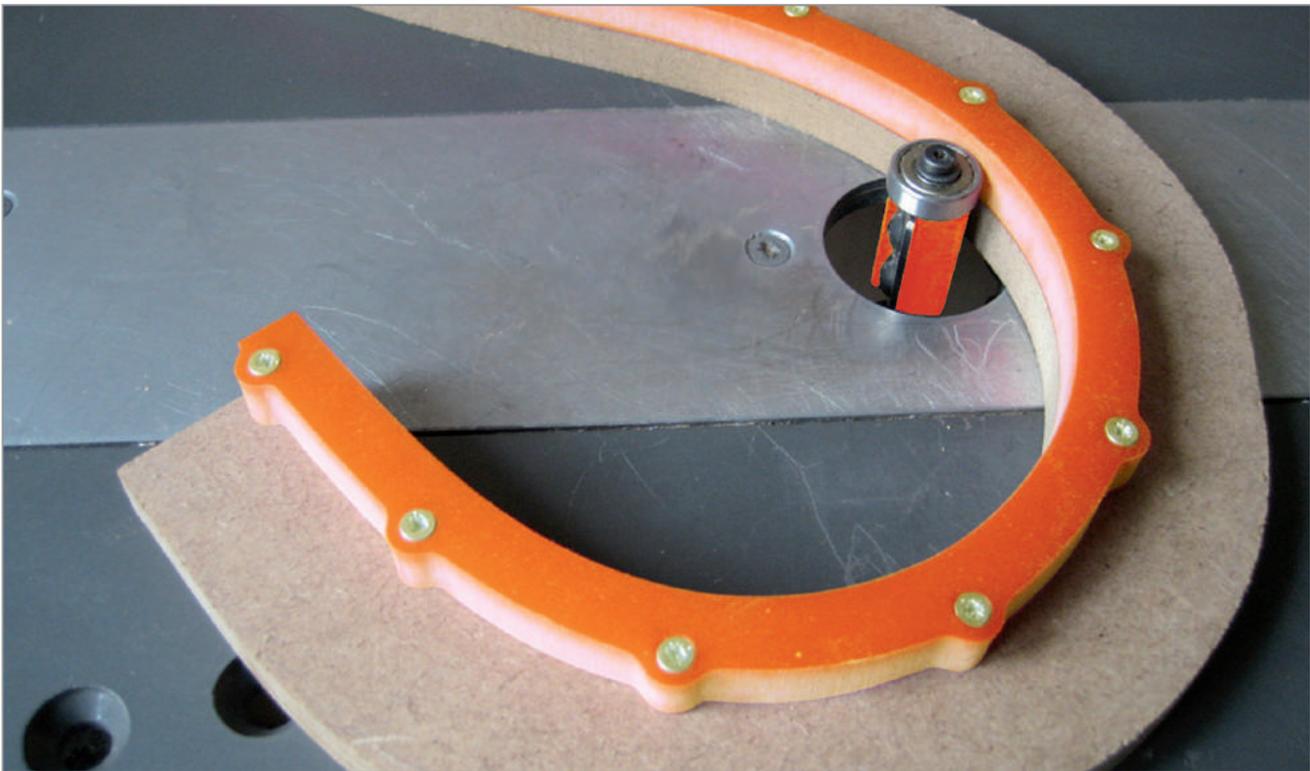


CMT300 - T129
CMT300 - T190

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.

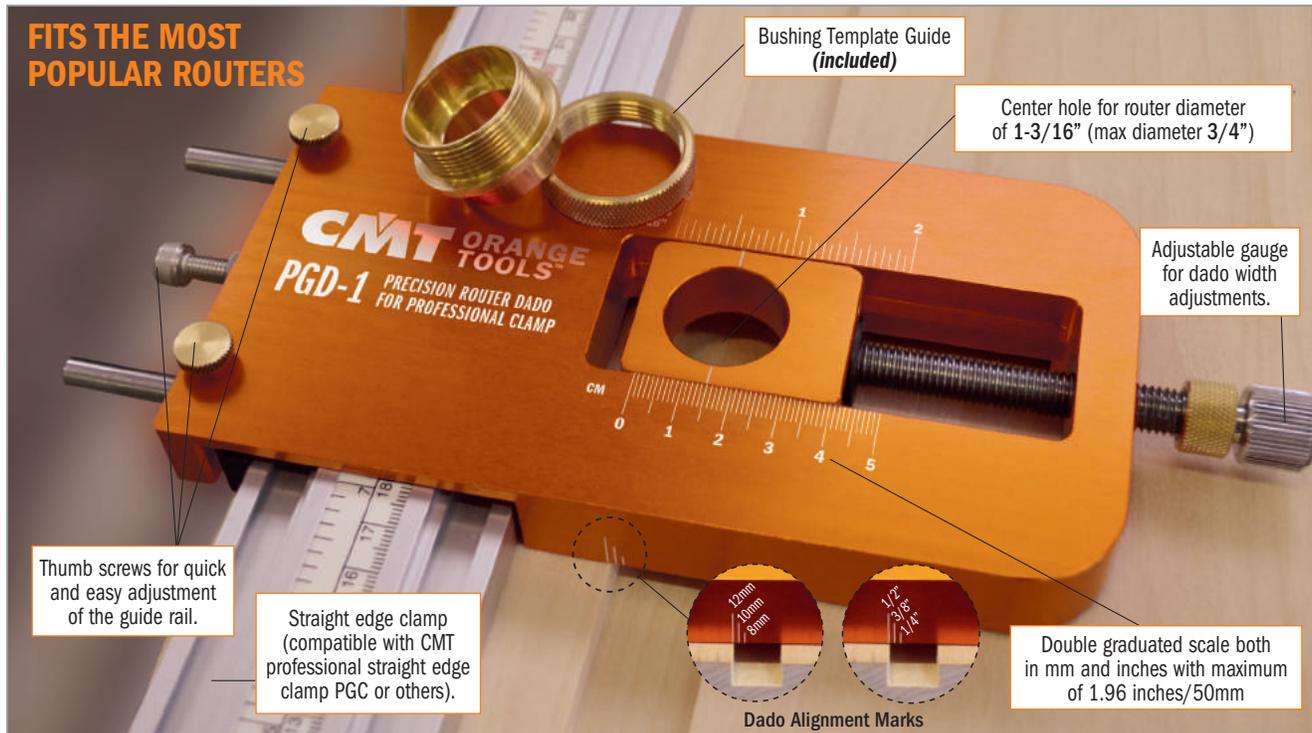
ORDER NO.	DESCRIPTION		
TMP-1000	Flexible routing template for routing	23/32" x 23/32"	L=39-3/8"
TMP-1200	Flexible routing template for routing	15/32" x 15/32"	L=47-1/4"
TMP-2000	Flexible routing template for routing	23/32" x 23/32"	L=78-3/4"



Adjustable Precision Router Dado Jig

PGD-1

The perfect tool for crafting grooves, dadoses, 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.



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.



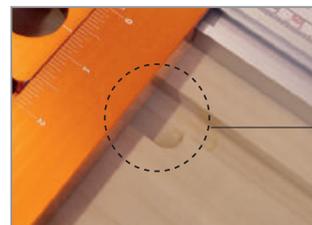
Set your cutting depth by raising or lowering the bit until desired depth is reached. Determine the starting point of the cut you wish to make by using the Dado Alignment Marks on the long sides (width) of the Adjustable Precision Router Dado Jig which indicates the outside edge of the dado cut closest to the straight edge clamp (12-10-8mm front, 1/2", 3/8", 1/4" back).



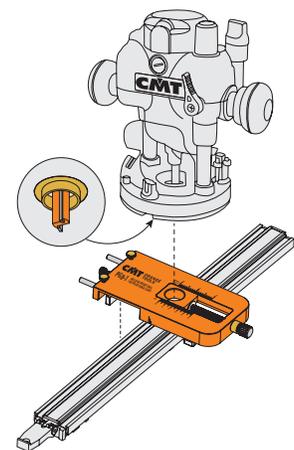
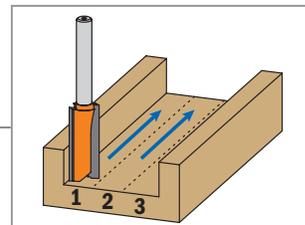
Holding onto your router in position, power on and begin making the cut by pushing forward and back on the straight edge clamp using the precision router dado jig as a guide. Makes impeccable grooves and dadoes along the length of your workpiece.



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 (BUT NOT INCLUDED)*

899.000.01 Universal Router Base

*Not required for routers with 1-3/16" bushing guide

RECOMMENDED (BUT NOT INCLUDED)

PGC Straight Edge Clamp with graduated scale

(see catalog page 230)

ORDER NO.

DESCRIPTION

PGD-1

Adjustable Precision Router Dado Jig

Professional Straight Edge Clamps

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.

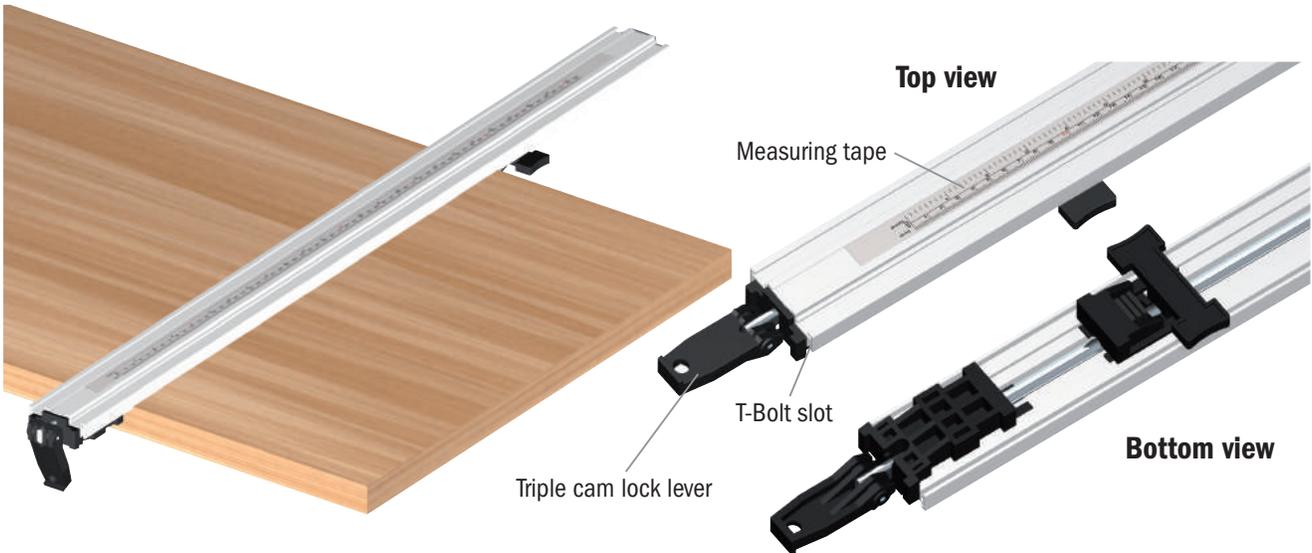
PGC

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"

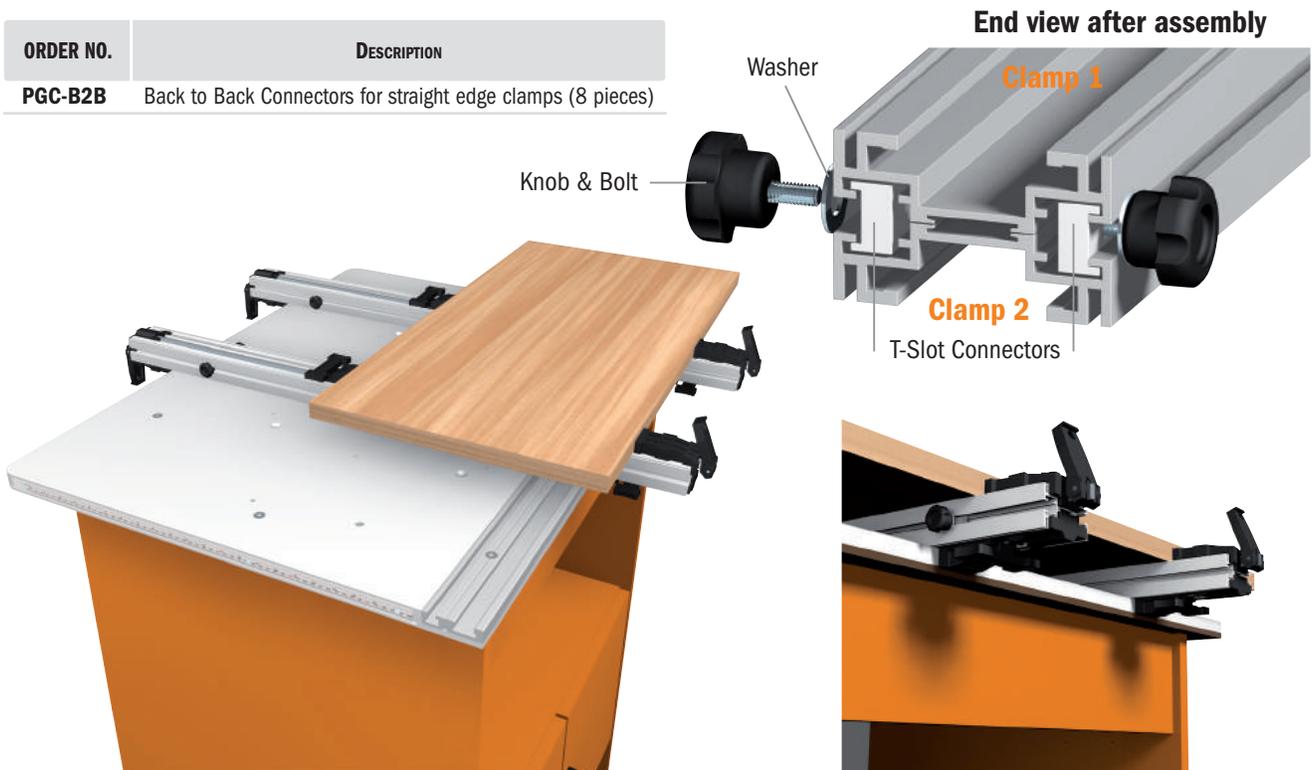
Low-profile clamps allow for accurate cuts, dados and grooves. In addition they properly work as an auxiliary fence on your drill press or router table. Sturdy jaws hold your workpiece to the full length of the clamp without any side-to-side play. Back-to-back clamps with the suitable accessories also 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)



Formula 2050 Blade & Bit Cleaner

CMT ORANGE TOOLS®

Safe, effective and environmentally friendly

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!

998



12 pcs. in Merchandising

ORDER NO.	DESCRIPTION
998.001.01	18 oz. (532 ml.) spray bottle
998.001.01-X12	12-pcs. Formula 2050 cleaner 18 oz. (532 ml.)
998.001.03	1 gal. (3.78 l) plastic jug
998.001.03-X4	4-pcs. Formula 2050 cleaner 1 gal.
998.001.04	5 gal. (18.9 l) plastic bucket
998.001.05	55 gal. (207.9 l) plastic barrel

★★★★★ This product received a five-star performance rating from "Wood Magazine®"

- Removes pitch, resin and adhesive residue from all woodworking cutting tools (saw blades, router bits, drill bits, shaper cutters, planer blades, etc.).
- Completely non-toxic, non-flammable and certified biodegradable. Formula 2050 is a safe, earth-friendly product.
- Do not rinse after cleaning. Formula 2050 provides protection from rust and corrosion. Keeps your table saw top rust free too!
- Can be applied by spray bottle or used in ultrasonic cleaners and dip tanks.

Organizers

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.



03.51

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)

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"

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 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.

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

ORDER NO.	DESCRIPTION
TMP-R12	12 Corner Radius Router Template
<i>Set contains:</i>	
	12 different radii (3 templates)
	4 alignment pins
	4 wood screw

Template Guide Kit



CMT-TGA

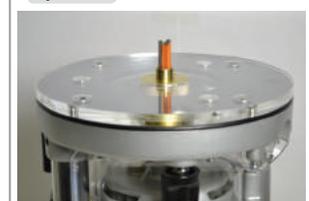
A practical 7-bushing kit that will extend the possibilities of your router. For template-controlled operations such as dovetailing, stair routing, hinge butt routing, lock face routing and more general template tasks. These template guides can be used with any router featuring a 30mm (1-3/16") bore baseplate. Fits the most popular routers. Some routers require CMT's base 899.000.02.

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"		

Optional



ORDER NO.	DESCRIPTION
899.000.02	Prebored router plate for CMT7E and CMT8E

Digital Angle Gauge

DAG-001

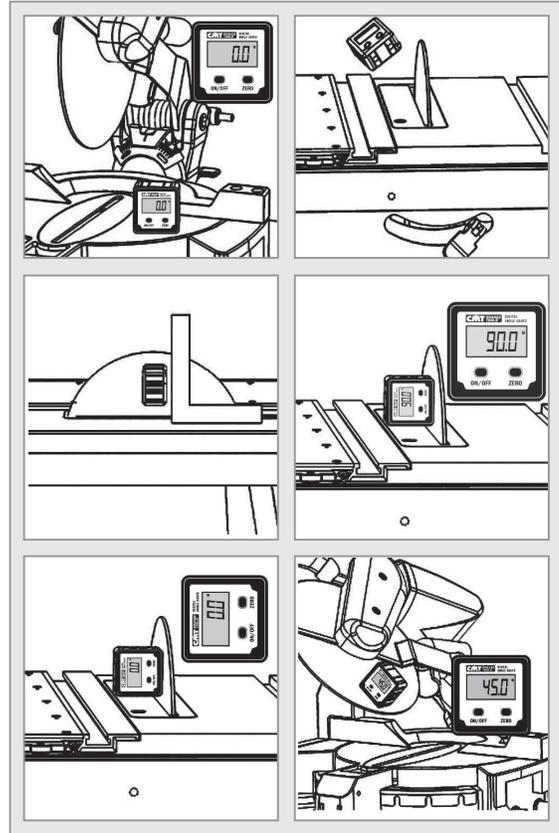


The digital angle gauge is a mini waterproof digital protractor that provides digital readings between $\pm 90^\circ \times 4$ with a resolution of 0.1° and features auto shut off after 5 minutes. It is small enough to be carried around in your pocket and the LCD screen is easy to read. It incorporates magnets in the base for adhesion to any ferrous surface to accurately measure miter and bevel angles on miter saws, saw benches, etc.

- Accurately sets saw blade bevel angle, works great for miter saws and table saws.
- 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
- Set to ZERO
- Magnetic base
- Case included
- Instruction manual

TECHNICAL DETAILS:

- Range: $\pm 90^\circ \times 4$
- Resolution: 0.1°
- Battery: **Included**
- Battery Type: AAA-1.5V; Alkaline
- Dimensions: 2-3/8" x 2-3/8" x 1-1/8" (60x60x28mm)



Watch the video on **YouTube**

ORDER NO.	DESCRIPTION
DAG-001	Digital Angle Gauge

Digital Angle Finder

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 $0 - 360^\circ$. 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.

ORDER NO.	DESCRIPTION
DAF-001	Digital Angle Finder



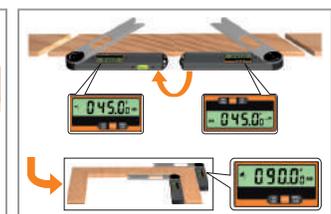
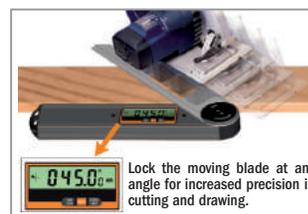
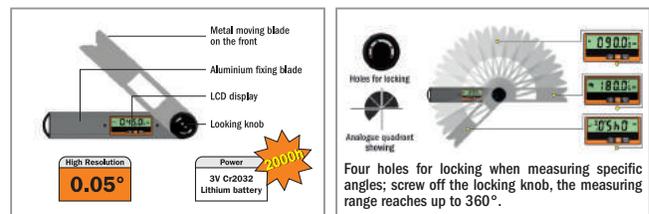
Watch the video on **YouTube**



- Easy and simple to use.
- Calculates angles in seconds.
- Large detailed LCD display.
- Robust, lightweight aluminium construction.
- Instruction manual.

TECHNICAL DETAILS:

- Range: $0-360^\circ$
- Resolution: 0.05°
- Battery: **Included**
- Battery Type: CR2032-3V; Lithium Button Cell
- Dimensions: 10-1/4" x 2" x 1" (260x50x25mm)



Digital Height Gauge

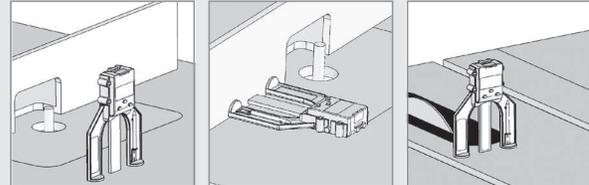
DHG-001



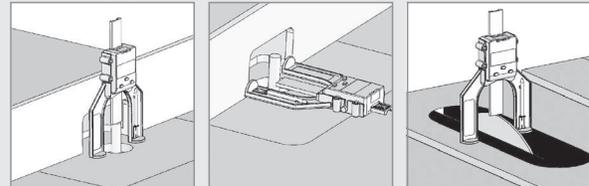
- Precise measurements for router bits, saw blades, band saw blades, cutter heads, drill bits, holes depth.
- Measuring ruler with Metric/Imperial scale and locking screw.
- Horizontal & vertical measuring.
- Digital easy-to-read display.
- Self-standing with magnets, for setting cutting depth on router tables and low profiles for backfence adjustment.
- Instruction manual.



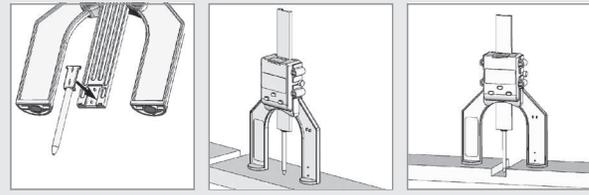
Place your gauge on a flat surface and set to "0" on the display.



Position your gauge on the desired position.



Insert needle and set to "0".



TECHNICAL DETAILS:

- Measuring range: Scale: 0~3" (0~80mm); Needle: 0~2" (0~50mm)
- Wide opening: 2.5" (60mm)
- Resolution: 0.002" (0.05mm)
- Accuracy: ±0.004" (±0.1mm)
- Battery: **Included**
- Battery Type: CR2032-3V; Lithium Button Cell

ORDER NO.	Image of box	DESCRIPTION
DHG-001	10	Digital height gauge

Digital Moisture Meter

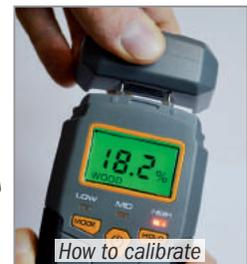
DMM-001



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

TECHNICAL DETAILS:

- Moisture measuring range: 5~50% (in wood); 1.5~33% (in building material)
- Measuring accuracy: ±2%
- Backlight shut off: In about 15 seconds
- Auto power off: After 3 minutes idle
- Battery: **Included**
- Battery Type: 9V Battery Block (6F22 or 6LR6); Alkaline <7V
- 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" (145x65x25mm)
- Weight: About 3oz (without battery)

- Measures moisture content by detecting a material's electrical resistivity using two pins.
- Measurement output is displayed on a practical LCD screen.
- Instruction manual.



ORDER NO.	Image of box	DESCRIPTION
DMM-001	5	Digital Moisture Meter

Spare parts DMM-001/1 Set 2 Pin for DMM-001

Bowl & Tray System

BTS-001

The CMT Bowl and Tray Kit, BTS-001, provides a fun and easy way for you to make divided bowls and trays in your shop. No lathe? No problem. This bowl making technique uses a router and CMT's unique Bowl and Tray router bit. The resulting bowls and trays are beautiful, and will leave your friends saying, "How did you make this?" What great gifts! The templates will withstand a lifetime of use, and can be used to make more than just one style of bowl or tray. The collet extension, used to make extra deep bowls, is also useful whenever your general woodworking requires extra deep cuts.

ORDER NO.	DESCRIPTION
BTS-001	Bowl and Tray System
<i>optional templates</i>	
TMP-101	MDF template for bowl & tray system 15-1/2" x 15-1/2"
TMP-103	MDF template for bowl & tray system 15-1/2" x 15-1/2"
TMP-105	MDF template for bowl & tray system 12-7/8" x 11-1/2"



BTS-001 Bowl & Tray System

SET CONTAINS	DESCRIPTION
851.502.11B	Router Bit
796.001.00	Router Collet Extension
TMP-011	MDF Template nr. 1
TMP-012	MDF Template nr. 2
	Instructional DVD



Watch the video on
YouTube



Trace the templates onto the bowl blank.



Rough out the interior using a drill press and a 2" Forstner bit.



Rout the interior to final shape using the bowl and tray router bit and collet extension.



Bandsaw the exterior to final shape.

Optional



TMP-101 MDF Template 15-1/2" x 15-1/2"



TMP-103 MDF Template 15-1/2" x 15-1/2"



TMP-105 MDF Template 12-7/8" x 11-1/2"

RCS



The 3D Router Carver System is protected by U.S. Patent No. 5,146,965

Exclusively from your CMT distributor

Turn your router into a remarkable carving tool. It's fast, easy, and a whole lot of fun!

Who says that intricate woodcarving requires an artist's touch? Thanks to the patented 3D Router Carver System, anyone with a 1/2" collet plunge router can create any of the beautiful designs shown on these pages in just minutes. Decorate doors, drawers, cabinets, furniture or just about any flat wooden surface with one or more of these designs.

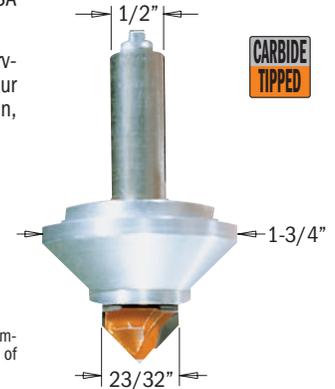
How does it work? The secret is in the 3D Router Carver Bit and the way that bit interacts with the carving templates. The V-Groove router bit is enclosed in a 45° cone-shaped guide. You rout with the plunge mechanism of your router unlocked, allowing the bit to move up or down as the router moves forward. As the slot in the template gets wider, the bit moves down, producing a wider, deeper V-groove. As the slot gets narrower, the bit moves up, and the groove gets narrower and shallower. It sounds simple, and it is! (that's why the system is patented in the USA and around the world).

Please see the illustrations below for more details on the carving technique. You'll receive complete instructions with your 3D Carver templates. For an informative visual demonstration, check out the 3D Router Carver video online.

What do you need to get started?

- The 3D Router Carver Bit
- The Carver Template of your choice
- The Holding Frame to match your template (these are listed in the charts with the templates)
- Your 1/2" collet plunge router

(Note: Be sure the opening in the base of your router is at least 1-7/8" in diameter. If it isn't, you'll need to make a sub-base to accept the large diameter of the 3D Carver bit.)



Complete Classical Starter Set

The ideal introduction to the world of router carving. You'll get everything you need to make two of the most popular designs: the Classical Cabinet Door and Classical Drawer, plus two Holding Frames, a 3D Carver Router Bit, all at a special price! Best of all, the Holding Frames will work with any of our Cabinet Door or Drawer Templates, so you'll be able to add new designs at a minimal cost!

ORDER NO.	DESCRIPTION
RCS-BIT	3D router carver carbide bit
RCS-CUT	3D router spare carbide bit
RCS-DVD	3D router carver DVD
RCS-ST5	3D router carver starter set



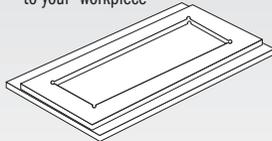
Classical Cabinet Door, #RCS-302

Classical Drawer, #RCS-502

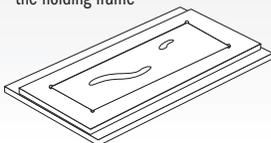


HERE'S HOW IT WORKS:

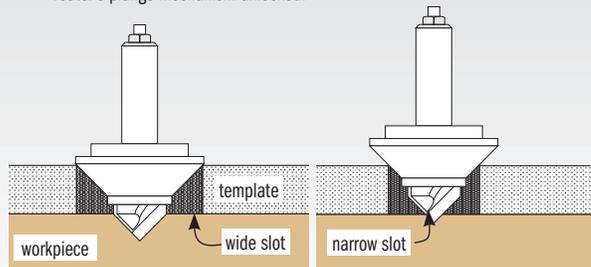
1. Clamp or tack the holding frame to your workpiece



2. Drop the template into the holding frame

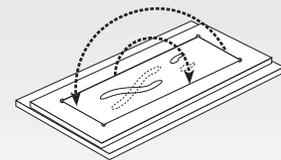


3. Plunge the bit into a wide part of the slot and rout with the router's plunge mechanism unlocked.

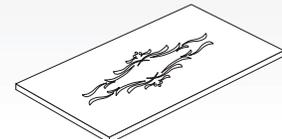


Allow the plunge mechanism to move up and down as you advance. Wider template slots allow wider, deeper grooves. Narrower slots produce shallower grooves.

4. With the frame still in place, flip the template & rout again. Some templates will be routed 2 to 4 times, depending on the complexity of the design.

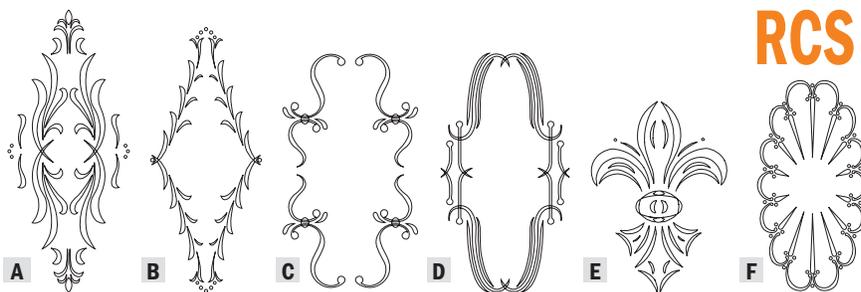
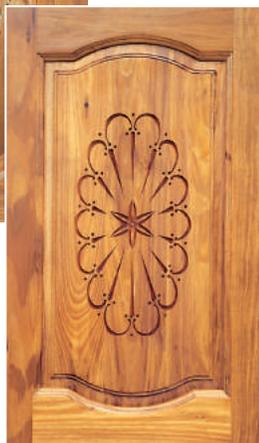


5. Remove the frame and you're finished!





Cabinet Door & Panel Carvings

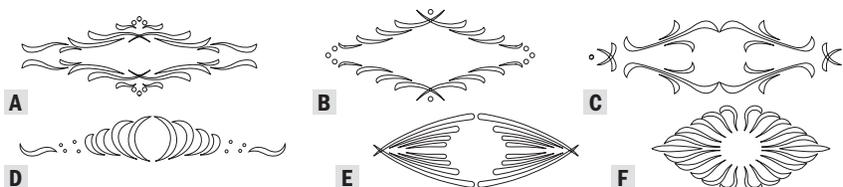


RCS

These designs are ideal for the doors or panels of cabinets, entertainment centers, fireplace surrounds or almost any flat surface. See the designs below for complementary patterns for drawers, rails and corners. Approximate carving time 5 minutes.

ORDER NO.	DESCRIPTION	CARVING DIMENSIONS inches	No. OF TEMPLATES
RCS-302	Classical cabinet door - A	17-1/4 x 7-1/4	2
RCS-304	Florentine cabinet door - B	16-1/4 x 6-5/8	2
RCS-305	Cascade cabinet door - C	14-3/8 x 8-1/4	1
RCS-306	Roma cabinet door - D	14-3/4 x 7-7/8	1
RCS-805	Fleur-de Lys door - E	9-7/8 x 7	4
RCS-806	Spanish fan template - F	15 x 7-7/8	2
RCS-003	Cabinet door holding frame		

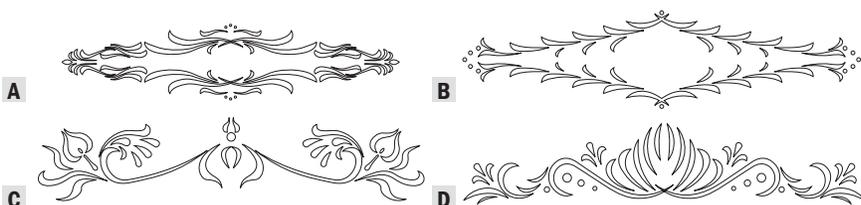
Drawer and Furniture Carvings



Originally intended for drawer fronts, these designs are great for lots of other projects: small doors, side panels of cabinets, furniture and more. For door and drawer combinations, match the style of the door designs above. Approx. carving time 4 minutes.

ORDER NO.	DESCRIPTION	CARVING DIMENSIONS inches	No. OF TEMPLATES
RCS-502	Classical drawer - A	8-1/4 x 2-3/4	2
RCS-504	Florentine drawer - B	7-5/8 x 3-3/8	2
RCS-505	Cascade drawer - C	9-7/8 x 2-1/2	1
RCS-506	Folklore drawer - D	9-7/8 x 1-1/2	2
RCS-507	Roma drawer - E	7-1/2 x 2-1/2	2
RCS-510	Blaze drawer - F	9-7/8 x 4-3/8	2
RCS-005	Drawer holding frame		

Panel and Rail Carvings



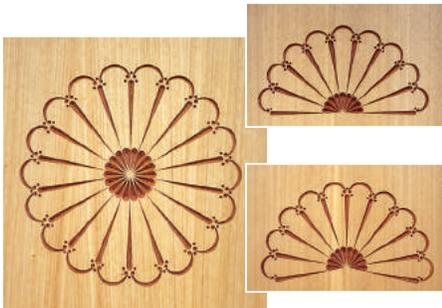
With a long, horizontal shape, these designs are perfect for door rails, headboards, cabinet face frames and valences. Approximate carving time 4 minutes.

Tip: Many carvings, like the Florentine Rail, are enhanced with the addition of a Rosette. See page 233 for the Rosette shown in the photo below.

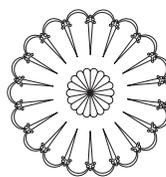


ORDER NO.	DESCRIPTION	CARVING DIMENSIONS inches	No. OF TEMPLATES
RCS-402	Classical rail - A	21-5/8 x 4-3/4	2
RCS-404	Florentine rail - B	21-5/8 x 5	2
RCS-405	Cascade rail - C	20-7/8 x 4-3/8	3
RCS-406	Folklore rail - D	21-5/8 x 4-3/8	3
RCS-004	Rail holding frame		

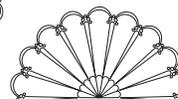
Southwestern Carving Designs



These popular Southwestern designs are actually several shapes in one. Both sizes can be routed as circular carvings, or use only portions of the template to suit your project.



Route the complete Spanish Fan Design or make partial rosettes



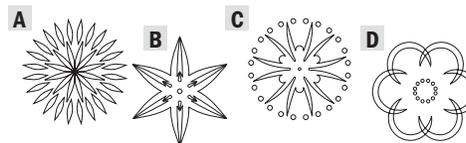
RCS

ORDER NO.	DESCRIPTION	CARVING DIMENSIONS inches	No. OF TEMPLATES
RCS-801	Large spanish fan	15-3/4	1
RCS-802	Small spanish fan	7-7/8	1
RCS-007	Rosette holding frame		

Rosette Carvings

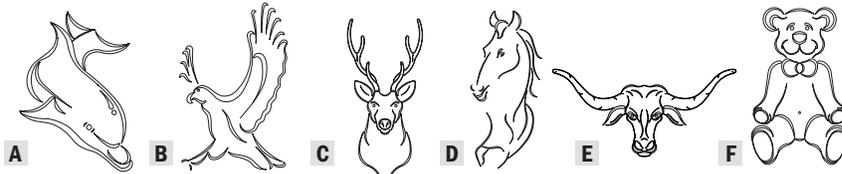


You get two templates for the price of one with these designs! Each item includes templates for two sizes of Rosette. For use with the Rosette Frame sold above, or for use the large rosettes with the cabinet door frame or small rosettes with rail frame.



ORDER NO.	DESCRIPTION	CARVING DIMENSIONS inches	No. OF TEMPLATES
RCS-701	Rosette #1 & #5 - A	3-3/8 & 2-5/8	2 & 2
RCS-702	Rosette #2 & #6 - B	3-1/2 & 2-3/4	1 & 1
RCS-703	Rosette #3 & #7 - C	3-1/4 & 2-1/2	1 & 1
RCS-704	Rosette #4 & #8 - D	3-1/8 & 2-7/16	1 & 1
RCS-007	Rosette holding frame		

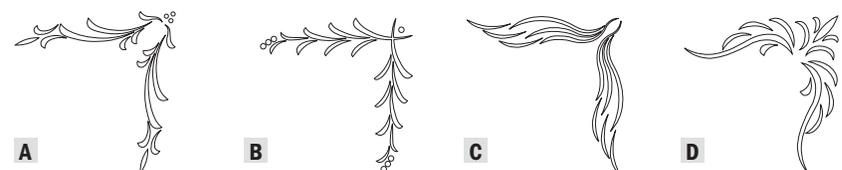
Just for fun:
Designs for every animal lover!



Your imagination will be your guide on these neat designs. Furniture or decorations for the kids, paneling for the den or rec room, a gift for the sportsman - who knows?

ORDER NO.	DESCRIPTION	CARVING DIMENSIONS inches	No. OF TEMPLATES
RCS-803	Dolphin - A	7-7/8 x 11-7/16	4
RCS-804	Eagle - B	7 x 11-3/4	4
RCS-901	Deer - C	15-1/2 x 7-1/2	4
RCS-902	Horse - D	17-1/2 x 8	3
RCS-904	Longhorn - E	16-1/2 x 7-5/8	4
RCS-906	Teddy bear - F	15-1/2 x 8	3
RCS-003	Cabinet door holding frame		

Corner & Small Decoration Carving Designs



ORDER NO.	DESCRIPTION	CARVING DIMENSIONS inches	No. OF TEMPLATES
RCS-602	Classical corner - A	6-1/8 x 1-9/16	3
RCS-604	Florentine corner - B	4-3/4 x 1-1/8	3
RCS-605	Cascade corner - C	7-1/2 x 1-9/16	3
RCS-606	Folklore corner - D	6 x 1-3/4	3
RCS-006	Corner holding frame		

Laminate/Veneer Cutter



DET-003

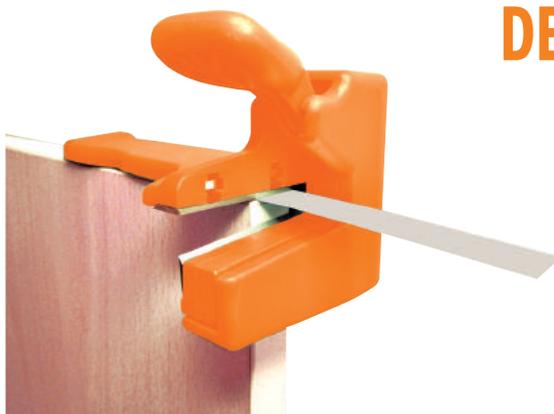
A very useful hand tool for clean, splinter-free cuts on laminates and veneer with no waste. Place your material into the fence provided and have the cutter run along the edge of the panel. The two opposing steel-made circular cutting blades mounted on roller bearings will trace the cutting line. Use 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

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 lifespan. 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** 2pcs 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

Carpenter Pencil

An easy-grip shape and larger rectangular surface area means this pencil won't roll away or slip from your hands. The squared core makes highly legible thick or thin lines. Perfect for tracing high precision markings on virtually any surface and easy to erase. Strong graphite center withstands the stress of rough handling as well as the rigours and extreme conditions of the construction environment.

PCL-1



ORDER NO.		DESCRIPTION
PCL-1	50	Carpenter Pencil

CMT Professional Tool Bag

- 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.

BAG-001

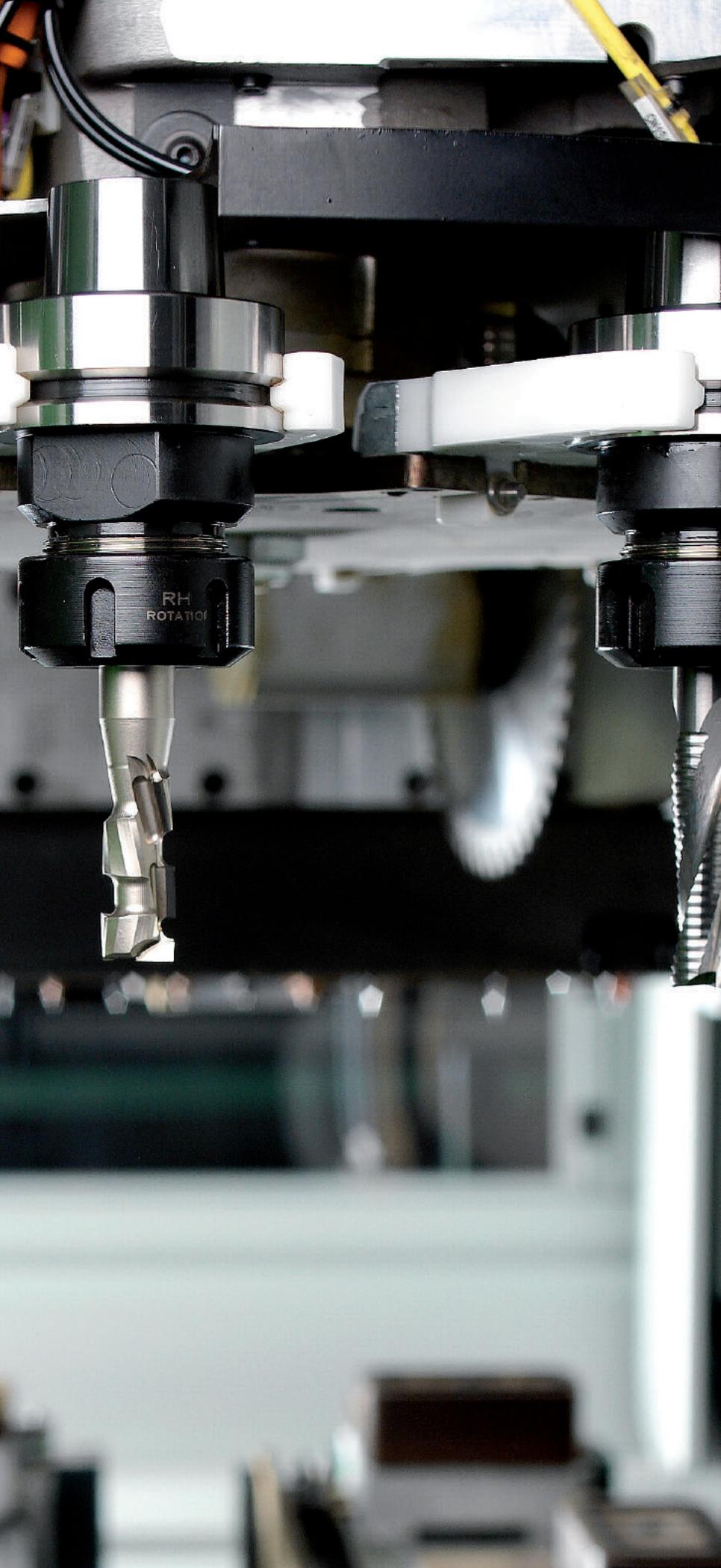
Material: Polyester 600D with 3mm EPE foam
Dimensions: 400x200x250mm



ORDER NO.		DESCRIPTION
BAG-001	12	CMT Professional Tool Bag



5 rubber studs on bottom

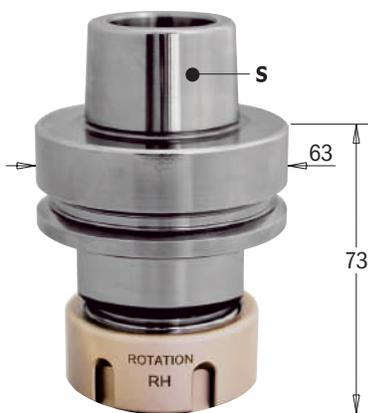


CNC ROUTER BITS & CHUCKS

PRODUCTS	PAGE
CNC Chucks and Collets "ER32"	242
CNC Chucks and Collets "ER40"	243
HSK Chuck & Precision Collets "DIN6388"	244
Universal Assembly Support for Chucks	244
HSK Chucks for Grooving Blades	245
Kinetic Dust Extractor	246
Solid Carbide Spiral Bits	248~252
Diamond Compression Bits	253
Insert Carbide Straight Bits	254
Universal Profile Cutter-CNC Machine	254
Insert Carbide V-Groove, Folding, Signmaking	255
Spoilboard Surfacing Cutters	255
Adjustable Chamfering CNC Router Bit	256



Chuck with Precision Collet "ER32"



183.300 HSK-63F with collet ER32



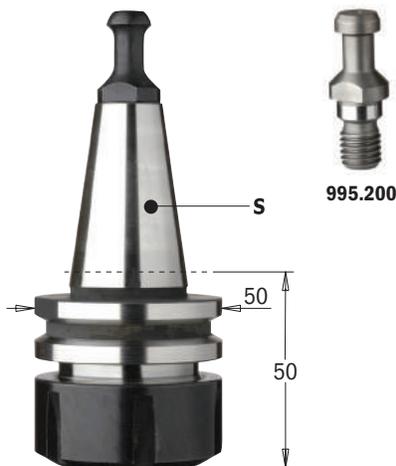
ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		S	TO BE USED WITH COLLET
183.300.01	183.300.02	1	HSK-63F	ER32
183.300.11* (with bearing)		1	HSK-63F	ER32

Spare parts

992.183.01	RH Clamping nut
992.183.02	LH Clamping nut
991.183.00	C-Spanner "ER32"
990.118.00	M6x10mm screw

* Suitable for right-hand and left-hand rotation (with bearing).

For Homag, Eima from 9/94, Dubus, Weeke, Biesse, SCM, Morbidelli and Masterwood machines.



183.200 ISO30 with collet ER32



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.



183.250 - 183.251 ISO30 with collet ER32



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
with aluminium flange					
● 183.251.01	● 183.251.02	1	ISO30	ER32	Ø8,5

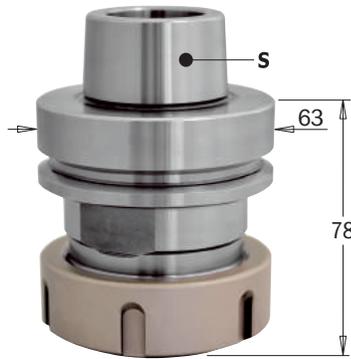
Spare parts

992.183.01	RH Clamping nut
992.183.02	LH Clamping nut
991.183.00	C-Spanner "ER32"
992.501.00*	Aluminium flange Ø69,5mm

For Morbidelli and SCM machines aluminium flange already assembled Ø69,5mm.

● Available on request

HSK Chuck with Precision Collet "ER40"



183.310 XTREME



ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		S	TO BE USED WITH COLLET
183.310.01	183.310.02	1	HSK-63F	ER40
183.310.11* (with bearing)		1	HSK-63F	ER40

Spare parts

992.383.01	RH Clamping nut
992.383.02	LH Clamping nut
991.184.00	C-Spanner "ER40"
990.117.00	M6x6mm screw

* Suitable for right-hand and left-hand rotation (with bearing).

For Homag, Eima, IMA from 9/94, Dubus, 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

ISO30 Chuck with Precision Collet "ER40"



995.200

183.201



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.

• Available on request

Precision Collets



184 - ER40

ORDER NO.		B	
		inches	mm
184.064.00	10	1/4	6.35
184.082.00	10	5/16	7.94
184.096.00	10	3/8	9.5
184.128.00	10	1/2	12.7
184.162.00	10	5/8	16
184.192.00	10	3/4	19
184.202.00	10		20
184.252.00	10		25

TECHNICAL DETAILS:

- Replaceable collets Std "ER40" (from 8 to 25mm).
- Fits most tapered spindle noses.
- Wide clamping tolerance +0-0,7mm.
- Suitable to most of the conical chucks.

Special dimensions available on request



184 - ER32

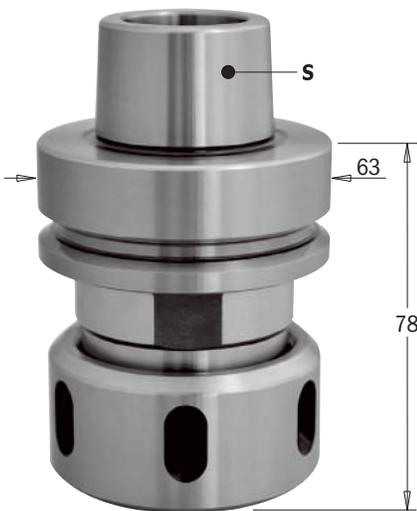
ORDER NO.		B	
		inches	mm
184.065.00	10	1/4	6.35
184.080.00	10	5/16	7.94
184.095.00	10	3/8	9.5
184.127.00	10	1/2	12.7
184.160.00	10	5/8	16
184.190.00	10	3/4	19
184.200.00	10		20

TECHNICAL DETAILS:

- Replaceable collets Std "ER32" (from 6.35 to 20mm).
- Fits most tapered spindle noses.
- Wide clamping tolerance +0-0,7mm.
- Suitable to most of the conical chucks.

Special dimensions available on request

HSK Chuck for "DIN6388" - EOC25 Precision Collet



183.320



ORDER NO.		S	TO BE USED WITH COLLET
183.320.01* (with bearing)	1	HSK-63F	EOC25
183.320.03	1	HSK-63F	EOC25

Spare parts 992.283.11 Clamping nut with bearing
991.283.00 C-Spanner for "DIN6388" & "ER40"

* Suitable for right-hand and left-hand rotation (with bearing).

For Homag, Eima from 9/94, Dubus, Weeke, Biesse, SCM, Morbidelli & Masterwood machines.



Precision Collets "DIN6388" EOC25/SYOZ25

185 - EOC-25

ORDER NO.		inches	B mm	ORDER NO.		inches	B mm
185.064.00	10	1/4	6.35	185.160.00	10	5/8	16
185.080.00	10	5/16	7.94	185.191.00	10	3/4	19.05
185.095.00	10	3/8	9.52	185.200.00	10		20
185.127.00	10	1/2	12.7	185.250.00	10		25

Special dimensions available on request

Precision Collets

new



184 - ER25

B inches		ORDER NO.
1/4	10	184.064.25
3/8	10	184.100.25
1/2	10	184.127.25

TECHNICAL DETAILS:
- replaceable Std "ER25" collets (from 1 to 16mm)
- fit most tapered spindle noses
- +0-0,7mm wide clamping tolerance
- suitable for most conical chucks.



184 - ER20

B inches		ORDER NO.
3/8	10	184.100.20

TECHNICAL DETAILS:
- replaceable Std "ER20" collets (from 1 to 13mm)
- fit most tapered spindle noses
- +0-0,7mm wide clamping tolerance
- suitable for most conical chucks.

REMARK: special dimensions available on request.

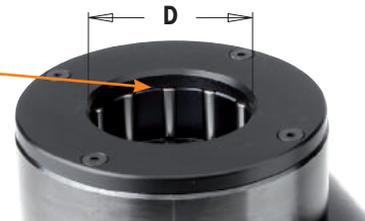
Universal Assembly Support for Chucks

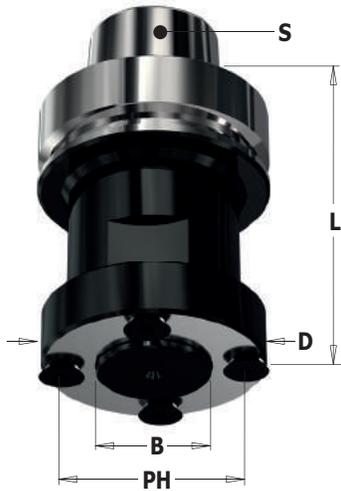
183



ORDER NO.		D mm	DESCRIPTION
183-HSK	1	63	For HSK-63F, BT40, ISO40 DIN 2080, SK40 DIN 69871, CAPTO C6
183-ISO	1	50	For ISO30, DIN 2080, SK30 DIN 69871, HSK50, CAPTO C5

CMT now offers a new universal assembly support system for above chucks. The innovation lies in the special bidirectional roller bearings which clamp the tool holder to the flange. This unique system offers maximum protection to the tool taper and clamps are no longer needed!





183.420

LH RH

ORDER NO.		S	D mm	B mm	PIN HOLE	L mm
183.420.30	1	HSK-63F	59	30	4/M6/48	78

* with flange Ø98mm

Spare parts 990.116.00 M6x8,7x12mm TSPEI screw
991.064.00 4mm allen key



Max saw blade Ø 10" (250mm)



Grooving saw blades available on request.



183.421

LH RH

ORDER NO.		S	D mm	B mm	PIN HOLE	L mm
183.421.30	1	HSK-63F	98	30	6/M6/80	102

* with flange Ø98mm

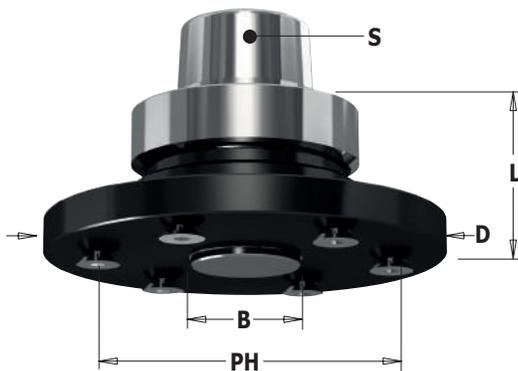
Spare parts 990.116.00 M6x8,7x12mm TSPEI screw
991.064.00 4mm allen key



Max saw blade Ø 12" (300mm)



Grooving saw blades available on request.



183.422

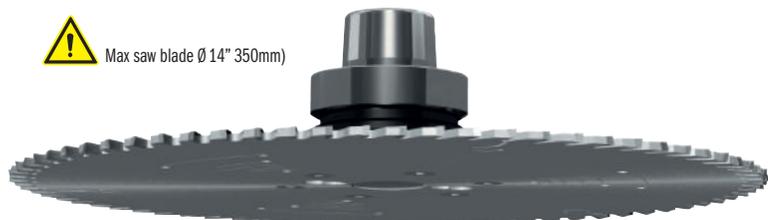
LH RH

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 Ø 14" 350mm)



Grooving saw blades available on request.



992

ORDER NO.		D		DESCRIPTION
		inches	mm	
992.081.ER20	1	3-5/32	80	Kinetic Dust Extractor for chucks with ER20 collets
992.081.ER25	1	3-5/32	80	Kinetic Dust Extractor for chucks with ER25 collets
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 (ER20/ER25)	
991.284.00	C-Spanner 95-100mm (EOC25/ER32/ER40)	

EASY TO USE!

Removes MDF & Chipboard dust from the workpiece

Install & remove as a clamping nut

- Health & Safety
- Tool Performance & Cut Quality
- Tool Life & Labor Costs
- Recommended for Nesting and Routing operations
- No wasted time during work process
- Replaces the standard clamping nut
- Suitable for any collet chucks with standard router bits
- Available for ER32 - ER40 - EOC25 (DIN6388) collets
- The thick ceramic coat gives KDE an anti-corrosion, anti-friction and anti-static surface.
- Tool body in light alloy
- Better air quality
- Good performances even at low rpm: from 6,000 up to 20,000 rpm
- Material: chipboard, coated chipboard, MDF, Corian®, plasterboard, OSB, HPL.



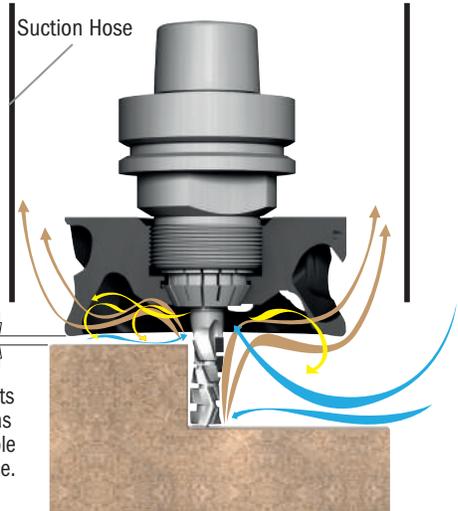
Always use with suction hose

Suction Hose



1/16" - 3/8"

For better results keep the tool as close as possible to the workpiece.



Compressed Air

Dust

Air Vacuumed



Download Instructions

Watch the video on

YouTube



Watch Video

Working **WITHOUT** Kinetic Dust Extractor



Working **WITH** Kinetic Dust Extractor





XTREME COATING

THE ULTIMATE TECHNOLOGY FOR INDUSTRIAL CNC TOOLS

DLCS is a modified diamond-like carbon coating with enhanced load bearing capacity. A hard, durable metal-based layer (chromium nitride) provides an higher hardness surface and increases the resilience of the superposed, tribologically effective carbon coating. Coating prevents high heats which is detrimental to cutting tool performance and will remain fully effective after use.

<p>Extreme Coating Hardness >HV 2.500</p> <p>Offers impressive hardness on cutting areas of the tool and superb protection against abrasive wear and stress resistance.</p>	<p>Minimal coating thickness µm 2-4</p> <p>The minimal micron coating guaranteed perfect sharpen edges for high cutting quality.</p>	<p>The lowest coefficient of friction 0,1-0,2</p> <p>Very good running-in and low friction losses. Reduction of sticking. Ideal for high speeds in Nesting applications.</p>	<p>High Working Temperature</p> <p>Less overheating! The coating guarantees working temperature up to 400° preserving the cutting edges from wear.</p>
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BENEFITS



3X
LONGER LIFE
THAN UNCOATED

DLCS CHROME COATING
provides 3 times longer life
than uncoated tools!



Test performed in U.S. with 1/2" 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



DLCS Chrome Coating Solid Carbide Upcut & Downcut Spiral Bits



new

EXTRA HARD
DLCS
CHROME
COATING

3X
LONGER LIFE
THAN UNCOATED

LONG
LIFE

190.41 Compression Upcut & Downcut 2+2-Edge



ORDER NO.	Right-hand rotation	inches	D	mm	I	I ₁	L	S
190.504.41	10	3/8	9.53	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



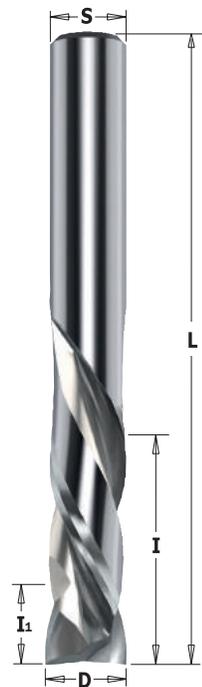
ORDER NO.	Right-hand rotation	inches	D	mm	I	I ₁	L	S
190.813.41	10	3/8	9.53	1	13/64	3	3/8	
190.815.41	10	1/2	12.7	1-1/8	1/4	3	1/2	

190.41 Mortise Compression Upcut & Downcut 2+2-Edge



ORDER NO.	Right-hand rotation	inches	D	mm	I	I ₁	L	S
190.513.41	10	3/8	9.53	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



ORDER NO.	Right-hand rotation	inches	D	mm	I	I ₁	L	S
new 190.008.11	10	1/4	6.35	7/8	9/32	2-1/2	1/4	
190.504.11	10	3/8	9.53	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

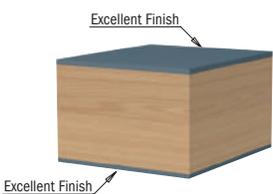


ORDER NO.	Right-hand rotation	inches	D	mm	I	I ₁	L	S
190.813.11	10	3/8	9.53	1	13/64	3	3/8	
190.815.41	10	1/2	12.7	1-1/8	1/4	3	1/2	

190 Mortise Compression Upcut & Downcut 2+2-Edge

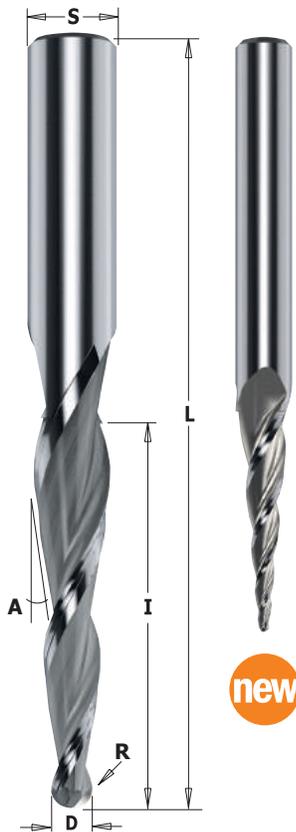


ORDER NO.	Right-hand rotation	inches	D	mm	I	I ₁	L	S
190.513.11	10	3/8	9.53	7/8	3/16	3	3/8	
190.515.11	10	1/2	12.7	7/8	13/64	3	1/2	
190.517.11	10	1/2	12.7	1-3/8	13/64	3-1/2	1/2	



- TECHNICAL DETAILS:**
- Premium quality super-micrograin carbide
 - 2+2 spiral cutting edges [Z2+2].
 - 3+3 spiral cutting edges [Z3+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.



152



ORDER NO.		D		R	A	I	L	S	Z
Right-hand rotation		inches	mm	inches		inches	inches	inches	
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 [Z2/Z3].
- **Excellent finish on the lower side of the work piece.**
- Upward chip ejection.

APPLICATION: specially designed for 2D and 3D CNC profiling and carving in plastic, aluminum & wood for several uses like:

- A perfect bit for 3D carving
- Precision 2D and 3D large scale carving
- Great for deep profiling
- Dimensional signage
- 3D millwork
- 2D and 3D contouring, profiling, modeling and pattern making for cabinetry, sign making, furniture making and jewelry mold making
- Perfect for model-makers on large 3D milling profiles in abrasive EPS foam and other materials.
- **Ideal on aluminum, plastic and wood-based materials.**

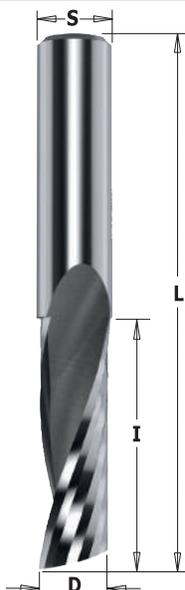
EXCELLENT FOR CUTTING:

- Acrylonitrile-Butadiene-Styrene (ABS)
- Acrylic
- Acrylic Stone
- Aluminum
- Brass
- Bronze
- Composite
- Copper
- Corian®
- Coroplast®
- Dibond®
- Ethafoam®
- 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
- Lexan®
- MDF/HDF
- PALFOAM™
- Phenolics
- Phenolic Composites

TIPS FOR MILLING PLASTICS

- pay attention to heat input
- pay attention to chip-loads when using small diameters
- use an air-blast system to keep work area chip-free and to minimize heat build

Solid Carbide 1-Edge Spiral Bits



198 Upcut 1-Edge



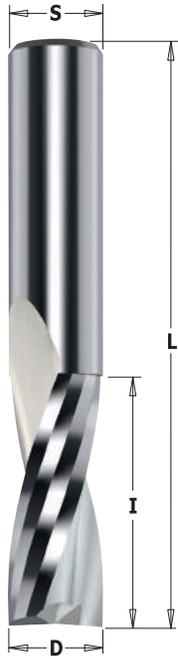
ORDER NO.		D		I	L	S
Right-hand rotation		inches	mm	inches	inches	inches
198.001.11	10	1/8	3.18	1/2	2	1/4
198.005.11	10	3/16	4.76	5/8	2	1/4
198.007.11	10	1/4	6.35	3/4	2	1/4
198.008.11	10	1/4	6.35	1	2-1/2	1/4
198.504.11	10	3/8	9.52	1-1/8	3	3/8

TECHNICAL DETAILS:

- Premium quality super-micrograin carbide.
- 1 up cut spiral cutting edges [Z1].
- Provides an excellent finish on the lower side of the workpiece.
- Upward chip ejection.

APPLICATION:

used for cutting, copying, panel sizing and any routing applications in solid wood, or wood composites, plastic materials and laminates. For use with high feed speed on well-clamped workpiece. Can be used on machining centres, point to point machines, CNC routers and hand-held routers equipped with chucks or adaptors.



191 Upcut 2-Edge



ORDER NO. Right-hand rotation		D		I	L	S
		inches	mm	inches	inches	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	9.53	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
191.509.11	1	5/8	15.88	2-1/8	4-5/16	5/8
191.511.11	1	3/4	19.05	2-1/8	4-5/16	3/4
10 pcs. in Masterpack						
191.008.11-X10		1/4	6.35	1	2-1/2	1/4

TECHNICAL DETAILS:

- Premium quality super-micrograin carbide.
- 2 spiral cutting edges [Z2].
- Provides excellent finish on bottom side of the workpiece.
- Upward chip ejection.

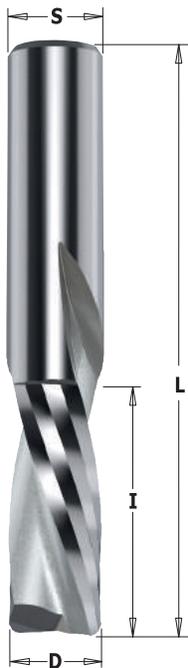
APPLICATION:

For an excellent edge finish on the bottom side of laminates and melamines. 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.



X10 (10 pcs. in Masterpack)



192 Downcut 2-Edge



ORDER NO. Right-hand rotation		D		I	L	S
		inches	mm	inches	inches	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	9.53	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 super-micrograin carbide.
- 2 spiral cutting edges [Z2].
- Provides excellent finish on top side of the workpiece.
- Downward chip ejection.

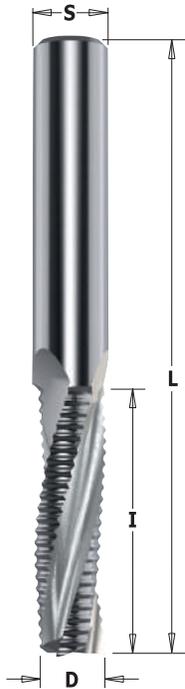
APPLICATION:

For an excellent edge finish on the bottom side of laminates and melamines. 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.



X10 (10 pcs. in Masterpack)



195 Upcut 3-Edge Chipbreaker



ORDER NO. Right-hand rotation	Box Qty	D		I inches	L inches	S inches
		inches	mm			
195.506.11	10	1/2	12.7	1-1/2	3-1/2	1/2
195.509.11	1	5/8	15.88	2-1/8	4-5/16	5/8
195.511.11	1	3/4	19.05	2-1/8	4-5/16	3/4

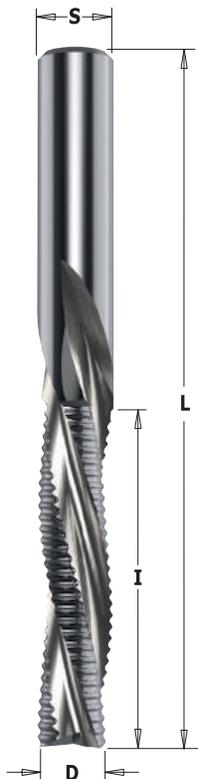
TECHNICAL DETAILS:

- Premium quality super-micrograin carbide.
- 3 spiral cutting edges [Z3].
- Tooth depth max 0.3mm.
- For fast routing on CNC equipment when edge finish is less important.
- Upward chip ejection.

APPLICATION:

For fast removal of material in panel sizing operations.

For fast feed rates on CNC routers, machining centers and point to point machines for ripping, panel sizing, template routing and other routing applications.



196 Downcut 3-Edge Chipbreaker



ORDER NO. Right-hand rotation	Box Qty	D		I inches	L inches	S inches
		inches	mm			
196.506.11	10	1/2	12.7	1-1/2	3-1/2	1/2
196.509.11	1	5/8	15.88	2-1/8	4-5/16	5/8
196.511.11	1	3/4	19.05	2-1/8	4-5/16	3/4

TECHNICAL DETAILS:

- Premium quality super-micrograin carbide.
- 3 spiral cutting edges [Z3].
- Tooth depth max 0.3mm.
- For fast routing on CNC equipment when edge finish is less important.
- Downward chip ejection.

APPLICATION:

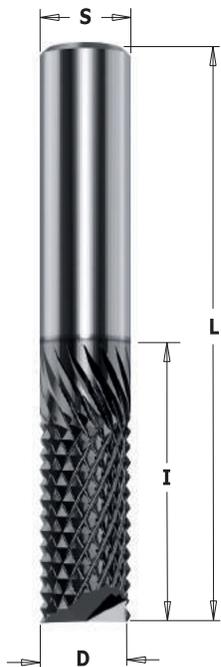
For fast removal of material in panel sizing operations.

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 Surface and Fiberglass Bit

new

CMT ORANGE TOOLS®



151

XTRME PERFORMANCE

SOLID CARBIDE

Z4

RH



ORDER NO.		inches	D	mm	I	L	S
151.064.25E	10	1/4	6.35	6.35	1/2	2-1/2	1/4
151.127.38E	10	1/2	12.7	12.7	1-1/2	3-1/2	1/2

TECHNICAL DETAILS:

- Premium quality super-micrograin carbide.
- Special positively ground cutting edge sharpening for excellent finish

APPLICATION:

for drilling, sizing and jointing fiberglass, phenolic and solid surfaces. Can be used on machining centres, point to point machines, CNC routers and hand held routers equipped with chucks or adaptors.



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

new



151

XTRME PERFORMANCE

SOLID CARBIDE

Z4

RH



ORDER NO.		inches	D	mm	I	L	S
151.064.25D	10	1/4	6.35	6.35	1/2	2-1/2	1/4
151.127.38D	10	1/2	12.7	12.7	1-1/2	3-1/2	1/2

TECHNICAL DETAILS:

- Premium quality super-micrograin carbide.
- Special positively ground cutting edge sharpening for excellent finish

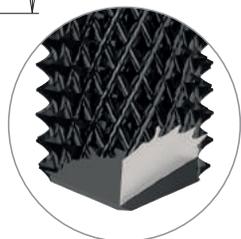
APPLICATION:

for drilling, sizing and jointing fiberglass, phenolic and solid surfaces. The 135° tooth geometry allows vertical feeding minimizing the bending of the workpiece. Can be used on machining centres, point to point machines, CNC routers and hand held routers equipped with chucks or adaptors.



DLCS CHROME COATING:

- Superb wear resistance
- Better chip clearance
- Superior cutting quality
- Less overheating
- More productivity



Sharpening
135°

3X
LONGER LIFE
THAN UNCOATED

DLCS CHROME COATING
provides 3 times longer life
than uncoated tools!



140 Diamond



ORDER NO. Right-hand rotation	Box	D		I inches	L inches	S inches	T inches
		inches	mm				
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	15.87	1-1/16	3-11/32	5/8	1+1 (3DP+1TCT)
140.159.61	1	5/8	15.87	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.
- DP (Diamond) cutting edge.
- HW (Carbide tipped) plunging tip.
- Resharpenable cutter.

APPLICATION:

for routing and sizing ultra-hard and abrasive material.
Can be used on machining centres, CNC routers equipped with chucks or adaptors.

Insert Carbide Straight Router Bits



653



ORDER NO. Right-hand rotation	Box	D		I mm	L mm	S inches	SPARE KNIVES	
		inches	mm				SIDE	TOP
653.158.11	10	5/8	15.8	28.3	92	1/2	790.283.12	790.075.00
653.159.11	10	5/8	15.8	48.3	112	1/2	790.483.12	790.075.00

Spare parts	Part No.	Description
	790.075.00	Knives 7.5 x12x1,5mm
	790.096.00	Knives 9.6 x12 x1.5mm
	790.283.12	Knives 28.3x12x1,5mm
	790.483.12	Knives 48.3x12x1,5mm
	990.072.00	Torx screw M3.5x3.5mm
	990.074.00	Torx screw M4x3.5mm
	990.075.00	Torx screw M4x6mm
	991.061.00	Torx key T15

TECHNICAL DETAILS:

- Super Strength steel.
- 2 cutting edges [Z1+1].

APPLICATION:

straight router bit with one replaceable plunging knife and one sided knife fixed by special Torx screws. The body is accurately balanced. For finishing and routing, plunge cutting and grooving in board materials (laminated chipboards, MDF) and hard wood.
For use on CNC machining centers.

Xtreme Plunge CNC Cutters with Insert Knives

new

CMT ORANGE TOOLS



653 XTREME



ORDER NO. Right-hand rotation	Box	D		I	L	S	SPARE KNIVES	
		inches	mm				SIDE	TOP
653.001.11	10	1-5/8	40	29.5	100	20	790.295.12	790.120.00

- Spare parts**
- 790.120.00 12x12x1,5mm knife
 - 790.295.12 29,5x12x1,5mm knife
 - 990.075.00 M4x6mm Torx screw
 - 991.061.00 T15 Torx key
 - 990.036.00 M8x25mm TE screw
 - 990.020.00 Hex nut for threaded arbors M8

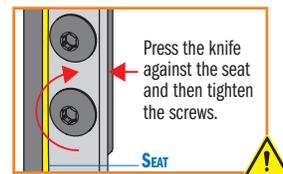
TECHNICAL DETAILS:

- Super strength steel.
- 2 cutting edges [Z2+2].

APPLICATION:

The new CNC cutter is designed with 2 plunging knives and two-sided knives fixed by special Torx screws. It is ideal for direct plunge into the material and fast removal over a large surface area leaving an improved finish at the bottom of the cut. Use on soft and hardwood, particle board, melamine and MDF. For use on CNC machining centres only.

CORRECT KNIFE POSITIONING



Universal Profile Cutter for CNC Machines



663.301



ORDER NO. Right-hand rotation	Box	D		I	L	S
		inches	mm	mm	mm	mm
663.301.11	1	2-9/16	65	40-50	93	20

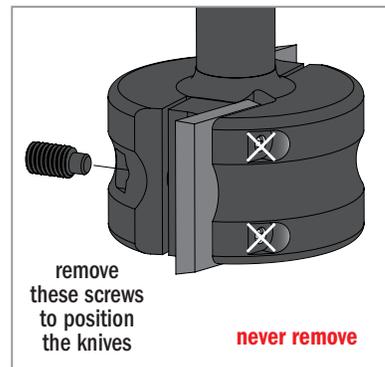
- Spare parts**
- 692.999.01 38x15x16mm wedge for cutter
 - 990.068.00 M5x5mm TCEI screw
 - 991.064.00 Hex key 4mm

TECHNICAL DETAILS:

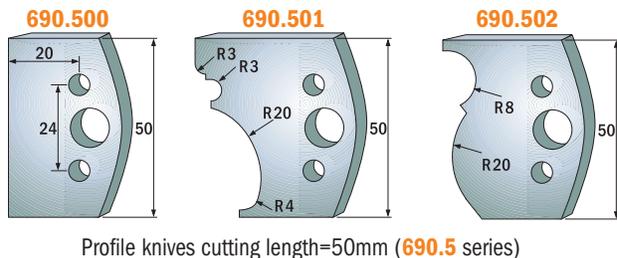
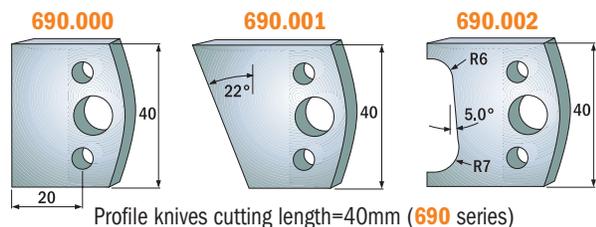
- Super Strength steel.
- 2 cutting edges [Z2] for knives 40x4mm and 50x4mm.

APPLICATION:

For universal profiling of solid wood on CNC router machines. For cutting width 40mm and 50mm (690 series). Profile knives may only be ordered and used in pairs. For router machines with mechanical feed.



TO BE USED WITH SP KNIVES SERIES 690 (SEE PAGE 311~324)



Insert Carbide V-Groove - Folding - Signmaking CNC Router Bits

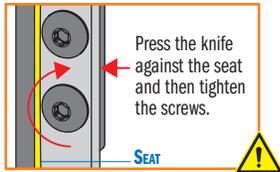


663.1



ORDER NO.	D		A	I	L	Z	S	Spare parts
Right-hand rotation	inches	mm		mm	mm		mm	
663.103.11	1-3/8	35	45°	42	125	1	20x50	790.580.01
663.102.11	1-21/32	42	60°	35	115	1	20x50	790.580.01
663.101.11	2-3/64	52	91°	25	102	1	20x50	790.360.01
663.110.11	2-3/8	60	110°	21	95	1	20x60	790.360.01
663.120.11	3-27/64	87	120°	24	95	2	20x50	790.496.01
663.130.11	3-37/64	91	130°	20.2	95	2	20x50	790.496.01
663.150.11	3-51/64	96.5	150°	12.4	95	2	20x50	790.496.01

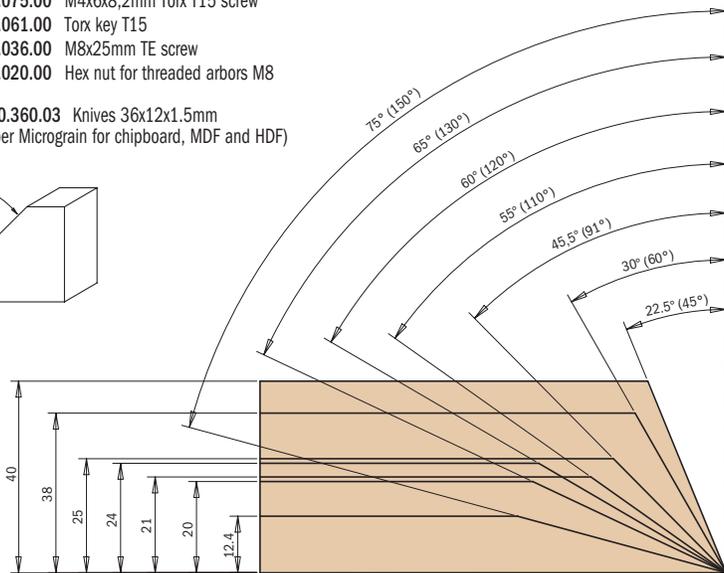
CORRECT KNIFE POSITIONING



Press the knife against the seat and then tighten the screws.

- Spare parts**
- 990.073.00 M3,5x5x7,2mm Torx T15 screw (for 790.580.01)
 - 990.075.00 M4x6x8,2mm Torx T15 screw
 - 991.061.00 Torx key T15
 - 990.036.00 M8x25mm TE screw
 - 990.020.00 Hex nut for threaded arbors M8

- Optional**
- S790.360.03 Knives 36x12x1.5mm (Super Micrograin for chipboard, MDF and HDF)



TECHNICAL DETAILS:

- Super Strength steel
- 1 cutting edges [Z1]

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 a higher quality is available for laminated and MDF material.

Spoilboard Surfacing Cutters with Insert Knives



663



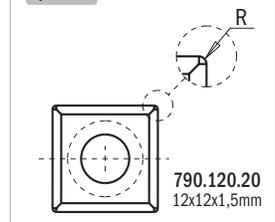
ORDER NO.	D		I	L	Z	S	Spare parts
Right-hand rotation	inches	mm	mm	mm		mm	
663.005.11	1-1/2	38	12	60	3	12x35	790.120.03 990.075.00
663.004.11	2-3/8	60	12	80	3	12x50	790.120.03 990.075.00
663.003.11	3-5/32	80	12	90	3	20x50	790.120.03 990.075.00
new 663.006.11	3-15/16	100	12	90	4	20x50	790.120.03 990.075.00

- Spare parts**
- 991.061.00 T15 Torx key
 - 990.036.00 M8x25mm TE screw
 - 990.020.00 Hex nut for threaded arbors M8

The screw 990.036.00 and the nut 990.020.00 (on the shank) only fit item 663.003.11

- TECHNICAL DETAILS:**
- Super strength steel.
 - 3, 4 cutting edges [Z3/Z4].

Optional



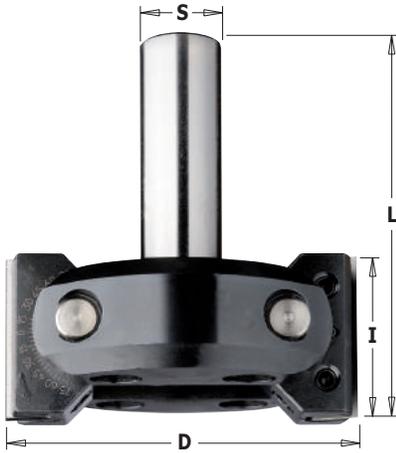
Drawings are 1:2 scale

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.

Adjustable Chamfering CNC Cutter



663.201



ORDER NO.		D	D_Max 45°	I	A	L	S	
Right-hand rotation		inches	mm	inches		inches	mm	
663.201.11	1	3-11/32	85	4-1/32	1-9/16	0°-45°	3-5/8	20

Spare parts

790.395.12	Knife 39.5x12x1.5mm
663.999.01	Wedge 38x6x12mm
990.087.00	Screw STEI M6x8mm (threaded pin 4x2mm)
991.067.00	Hex key 3mm
663.999.02	Kit with 2 wedges and 1 screw for blocking rotation
990.099.00	Screw TCEI M8x25mm
990.023.00	Nut M8 (4mm)
991.081.00	Hex key "T" 4mm

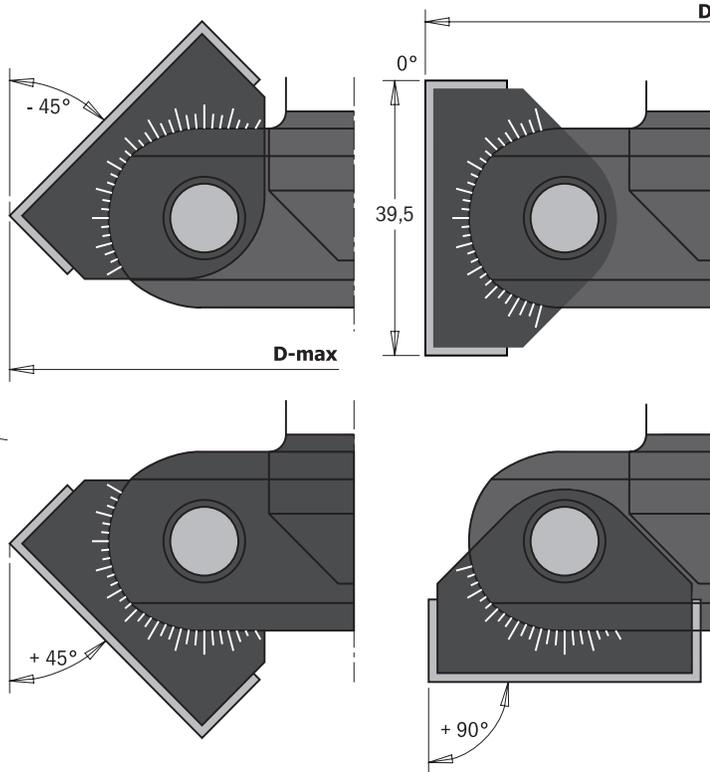
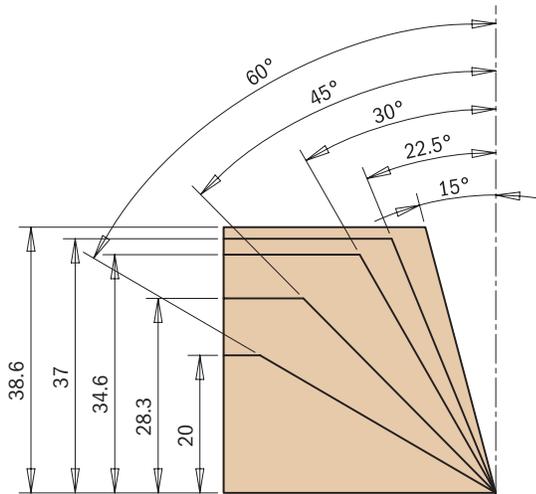
TECHNICAL DETAILS:

- Tool body in steel
- 2 reversible HWM knives 39,5x12x1,5mm [Z2]
- Peripheral cutting on both sides
- Adjustable swivelling blade (Rotates at 7,5° intervals; Precision = 7,5°)
- Swivelling range 0-45° towards top, and 0-90° towards bottom.

INCLINATION	
MIN.	MAX
-45°	+90°

APPLICATION:

for jointing, rebating and chamfering of solid wood and wooden boards. Suitable for CNC router machines and stationary router machine with manual or mechanical feed.

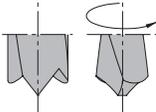
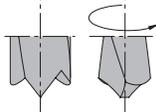
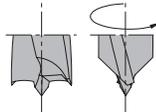




DOWEL DRILLS & BORING BITS

PRODUCTS	PAGE
XTreme Dowel Drills for Through Holes	259
Solid Carbide Dowel Drills	260
2 Flute Dowel Drills	261~263
4 Flute Dowel Drills	264~266
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Adaptors & Bushings for Twist Drills	267
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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	C.M.T'S PT.FE 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.	C.M.T'S PT.FE 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

Countersink Assembly

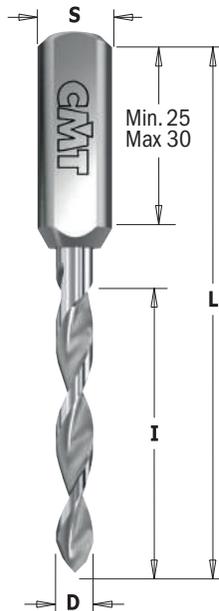
316 assembly on the spiral



315 assembly on the shank



Dowel Drills for Through Holes



314.21/22 XTREME

SOLID CARBIDE LONG LIFE Z2 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	10x26
314.050.21	314.050.22	50		5	35	70	10x26
314.060.21	314.060.22	50		6	35	70	10x26
314.080.21	314.080.22	50	5/16	7.94	35	70	10x26

For panel with a 20-30mm maximum thickness

TECHNICAL DETAILS:

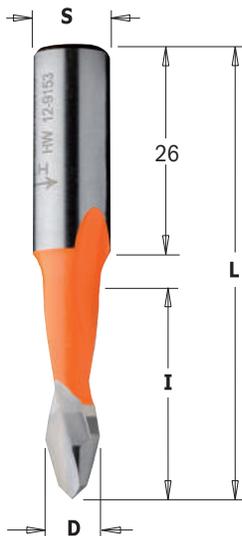
- Premium quality super-strength steel.
- S.T.C. spiral portion with center point.
- 2 precision ground cutting edges [Z2].
- 2 spiral flutes.
- Parallel shank with driving flat and adjustable screw length.

APPLICATION:

used on boring machines alone and dowel drilling devices. Intended for drilling through holes in solid wood, wood composites, plastic and laminated materials.



Dowel Drills for Through Holes



313.41/42 XTREME

CARBIDE TIPPED LONG LIFE Z2 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 with a 20mm maximum 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

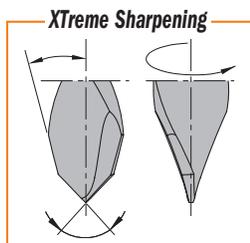
For panels with a 30mm maximum thickness

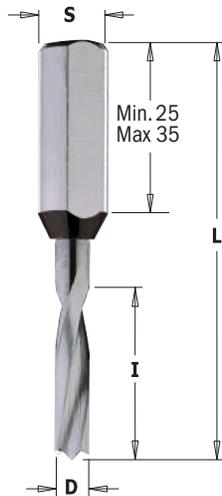
TECHNICAL DETAILS:

- Super-strength steel.
- Spiral portion coated with orange or black P.T.F.E.
- Extra-fine micrograin carbide spiral portion with centre point.
- 2 precision ground cutting edges [Z2].
- Double angle.
- 2 spiral flutes.
- Parallel shank with driving flat and length adjusting screw.

APPLICATION:

used on boring machines and dowel drilling devices. Inteded for drilling through holes in solid wood, wood composites, plastic and laminated materials.



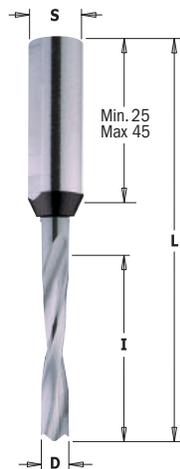


310.21/22 XTREME



ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		D inches	D mm	I mm	L mm	S mm
	310.013.20*	50		1.3	5	57.5	10x30
310.020.21	310.020.22	50		2	12	57.5	10x27
310.530.21	310.530.22	50		3	9	57.5	10x35
310.030.21	310.030.22	50		3	18	57.5	10x25
310.040.21	310.040.22	50		4	20	57.5	10x25
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		8	22	57.5	10x25

* Boring bit for panel preboring.
Suitable for both right-hand and left-hand rotation.



311.21/22 XTREME



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	10x40
311.040.21	311.040.22	50		4	27	70	10x28
311.050.21	311.050.22	50		5	30	70	10x28
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.



TECHNICAL DETAILS:

- Premium quality super-strength steel.
- S.T.C. spiral portion with center point.
- 2 cutting edges [Z2].
- 2 spiral flutes.
- 2 curved, negatively ground spurs [V2].
- Parallel shank with driving flat and adjustable screw length.

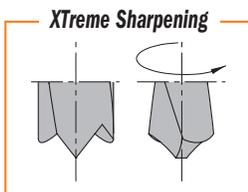
APPLICATION:

used on boring machines alone or with chucks for drilling blind holes in solid wood, wood composites, plastic and laminated materials.

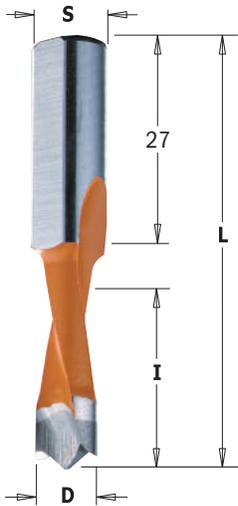
Perfect for all materials and long lasting performance

CMT announces the new series of solid carbide boring bits, now available in an extensive industrial line. These bits are entirely made of premium quality super micrograin carbide from Ceratizit in Luxembourg. The entire series offers several design features:

- The unique tip has curved, negatively ground spurs to produce exceptionally clean bores with no rough edges. Center point balanced.
- The cylindrical head is bigger than traditional tips and is extremely resistant to prolonged use. Lasts longer between sharpenings.
- The plunge edge runs all the way to the center of the bit to reduce drilling resistance and increase production speed.
- The solid carbide construction guarantees an almost infinite number of sharpenings, and because it is a solid unit of carbide, it offers an extra safety feature.
- Ideal for hard woods and difficult composites such as particle board, MDF and veneer.
- Excellent performance on high-speed boring units and CNC routers.



2 Flute Dowel Drills



310.41/42 XTREME

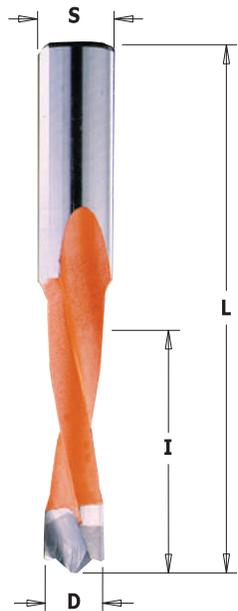
CARBIDE TIPPED LONG LIFE Z2 V2 RH LH

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

Spare parts



Optional



311.41/42 XTREME

CARBIDE TIPPED LONG LIFE Z2 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
new 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

Spare parts



Optional



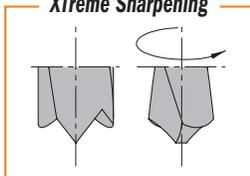
TECHNICAL DETAILS:

- Premium quality super-strength steel.
- Spiral portion coated with orange or black P.T.F.E.
- Extra-fine micrograin carbide spiral portion with center point.
- 2 cutting edges [Z2].
- 2 spiral flutes.
- 2 curved, negatively ground spurs [V2].
- Parallel shank with driving flat and adjustable screw length.

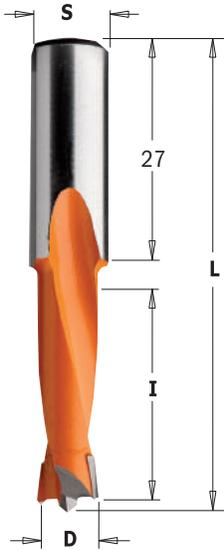
APPLICATION:

used on boring machines alone or with chucks for drilling blind holes in solid wood, wood composites, plastic and laminated materials.

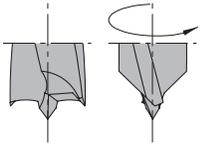
XTreme Sharpening



2 Flute Dowel Drills



Negatively Ground Spurs



310

CARBIDE TIPPED Z2 V2 RH LH

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		D		I	L	S
			inches	mm	mm	mm	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
310.051.11	310.051.12	50		5.1	27	57.5	10x27
310.052.11	310.052.12	50		5.2	27	57.5	10x27
310.055.11	310.055.12	50	7/32	5.55	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

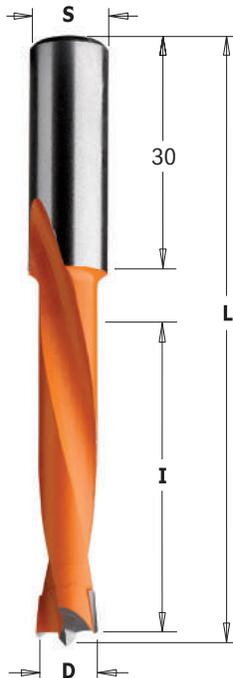


990.003.00

Optional



990.088.00



362

CARBIDE TIPPED Z2 V2 RH LH

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		D		I	L	S
			inches	mm	mm	mm	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

TECHNICAL DETAILS:

- Super-strength steel.
- Spiral portion coated with orange or black P.T.F.E.
- T.C.T. head with precision balanced center point.
- 2 precision ground T.C.T. cutting edges [Z2].
- 2 spiral flutes.
- 2 negatively ground spurs [V2].
- Parallel shank with driving flat and adjustable screw.

APPLICATION:

used on boring machines equipped with adaptors or chucks. Used to drill blind holes in solid wood, wood composites, plastic and laminated materials.

Spare parts



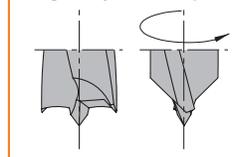
990.003.00

Optional

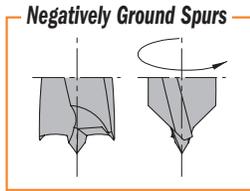
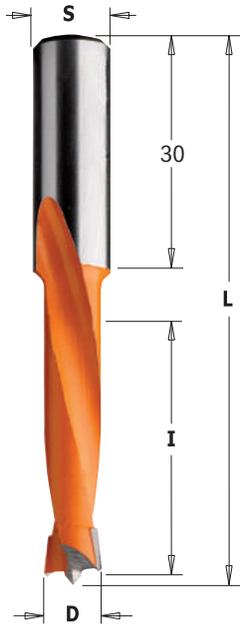


990.088.00

Negatively Ground Spurs



2 Flute Dowel Drills



APPLICATION:

used on boring machines equipped with adaptors or chucks. Used to drill blind holes in solid wood, wood composites, plastic and laminated materials.

311

CARBIDE TIPPED **Z2** **V2** **RH** **LH**

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		D		I	L	S
			inches	mm	mm	mm	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 center point.
- 2 precision ground T.C.T. cutting edges [Z2].
- 2 spiral flutes.
- 2 negatively ground spurs [V2].
- Parallel shank with driving flat and adjustable screw.

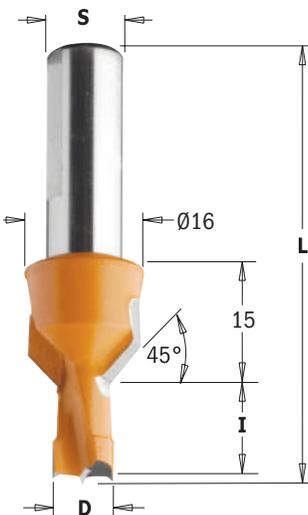
Spare parts



Optional



2 Flute Dowel Drills with Countersink



376-377

CARBIDE TIPPED **Z2** **V2** **RH** **LH**

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		D		I	L	S
			inches	mm	mm	mm	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

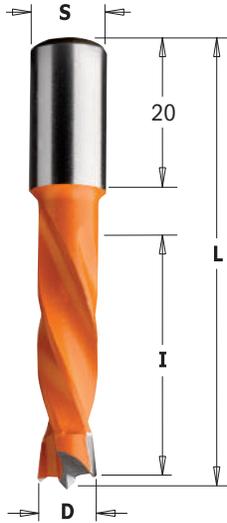
Spare parts



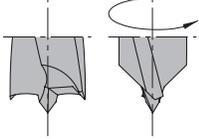
Optional



4 Flute Dowel Drills



Negatively Ground Spurs



308

CARBIDE TIPPED Z2 V2 RH LH

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		D		I	L	S
			inches	mm	mm	mm	mm
308.040.11	308.040.12	50	5/32	4	26	57.5	10x20
308.050.11	308.050.12	50		5	30	57.5	10x20
308.060.11	308.060.12	50		6	30	57.5	10x20
308.064.11	308.064.12	50	1/4	6.35	30	57.5	10x20
308.070.11	308.070.12	50		7	30	57.5	10x20
308.080.11	308.080.12	50	5/16	7.94	30	57.5	10x20
308.090.11	308.090.12	50		9	30	57.5	10x20
308.095.11	308.095.12	50	3/8	9.52	30	57.5	10x20
308.100.11	308.100.12	50		10	30	57.5	10x20
308.110.11	308.110.12	10		11	30	57.5	10x20
308.120.11	308.120.12	10		12	30	57.5	10x20
308.127.11	308.127.12	10	1/2	12.7	30	57.5	10x20
308.130.11	308.130.12	10		13	30	57.5	10x20
308.140.11	308.140.12	10		14	30	57.5	10x20
308.150.11	308.150.12	10		15	30	57.5	10x20
308.160.11	308.160.12	10		16	30	57.5	10x20

Spare parts

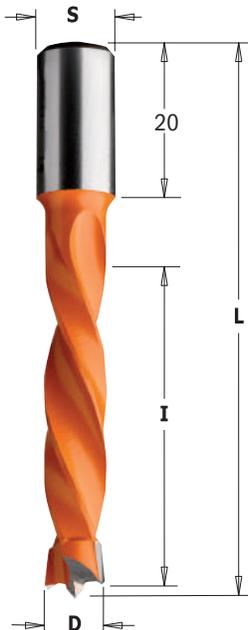


990.003.00

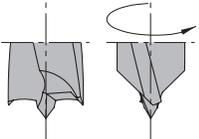
Optional



990.088.00



Negatively Ground Spurs



309

CARBIDE TIPPED Z2 V2 RH LH

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		D		I	L	S
			inches	mm	mm	mm	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

Spare parts



990.003.00

Optional



990.088.00

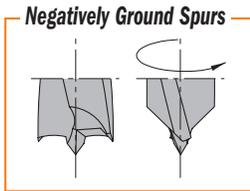
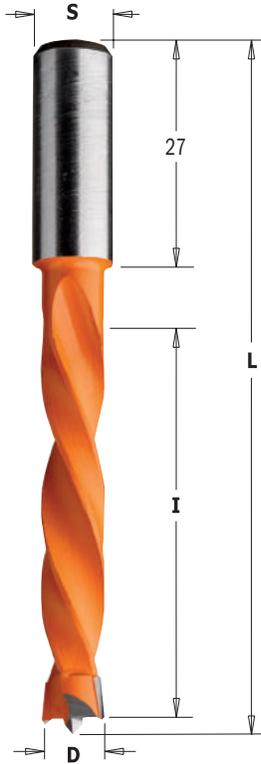
TECHNICAL DETAILS:

- Super-strength steel.
- Spiral portion coated with orange or black P.T.F.E.
- T.C.T. head with precision balanced center point.
- 2 precision ground T.C.T. cutting edges [Z2].
- 4 spiral flutes.
- 2 negatively ground spurs [V2].
- Parallel shank with driving flat and adjustable screw.

APPLICATION:

used on boring machines equipped with adaptors or chucks. Used to drill blind holes in solid wood, wood composites, plastic and laminated materials.

4 Flute Dowel Drills



372

CARBIDE TIPPED Z2 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

373

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

TECHNICAL DETAILS:

- Super-strength steel.
- Spiral portion coated with orange or black P.T.F.E.
- T.C.T. head with precision balanced center point.
- 2 precision ground T.C.T. cutting edges [Z2].
- 4 spiral flutes.
- 2 negatively ground spurs [V2].
- Parallel shank with driving flat and adjustable screw.

Spare parts



Optional



APPLICATION:

used on boring machines equipped with adaptors or chucks.
Used to drill blind holes in solid wood, wood composites, plastic and laminated materials.

Dowel Drills with Threaded Shank



346

CARBIDE TIPPED Z2 V2 RH LH

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		D inches	D mm	I mm	LB mm	S
346.050.11	346.050.12	10		5	43	63	M10
346.060.11	346.060.12	10		6	43	63	M10
346.080.11	346.080.12	10	5/16	7.94	43	63	M10
346.100.11	346.100.12	10		10	43	63	M10
346.120.11	346.120.12	10		12	43	63	M10

FOR USE ON THE FOLLOWING MACHINES:

Ayen, Holzma, Knoevenagel, Mayer, Torwegge.

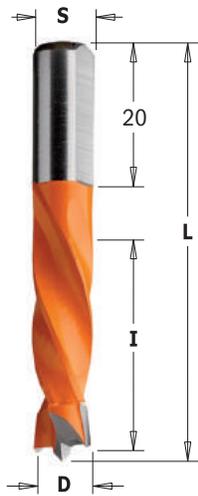
TECHNICAL DETAILS:

- Super-strength steel.
- T.C.T. head with precision balanced center point.
- 2 precision ground cutting edges [Z2].
- 4 spiral flutes.
- 2 spurs [V2].

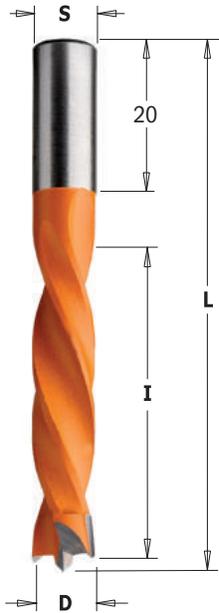
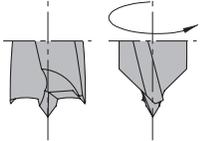
APPLICATION:

used on boring machines equipped with chucks.
Used to drill blind holes in solid wood, wood composites, plastic and laminated materials.

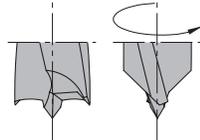
4 Flute Dowel Drills



Negatively Ground Spurs



Negatively Ground Spurs



306

CARBIDE TIPPED SOLID CARBIDE Z2 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	8x20	
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 Tungsten Carbide

Available on request

Spare parts



990.003.00

Optional



990.088.00

307

CARBIDE TIPPED Z2 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	

TECHNICAL DETAILS:

- Super-strength steel.
- Spiral portion coated with orange or black P.T.F.E.
- T.C.T. head with precision balanced center point.
- 2 precision ground cutting edges [Z2].
- 4 spiral flutes.
- 2 negatively ground spurs.
- Parallel shank with driving flat and adjustable screw.

APPLICATION:

used on boring machines equipped with chucks or adaptors.
Used to drill blind holes in solid wood, wood composites, plastic and laminated materials.

Available on request

Spare parts



990.003.00

Optional



990.088.00



"V" Point 120°



"V" Point 60°



X-Treme Sharpening

363

SOLID CARBIDE LONG LIFE Z2 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
"V" point 60° sharpening						
363.025.41	363.025.42	50	2.5	27	55	2.5
363.030.41	363.030.42	50	3	27	55	3
363.035.41	363.035.42	50	3.5	27	55	3.5
363.040.41	363.040.42	50	4	27	55	4
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

To use with the following items: **364-365**

TECHNICAL DETAILS:

- Premium quality S.T.C. - 2 precision ground cutting edges [Z2]. - 2 spiral flutes.
- Common shank and drilling diameter (S=D).

APPLICATION: used in adapter bushings.

Adaptors & 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

TECHNICAL DETAILS:

- Super-strength steel.
- Quick and secure assembly on twist drills. - Precision relief.
- Parallel shank with driving flat and length adjusting screw.

APPLICATION:

for use with twist drills with common shank and bushing diameter. Used on boring machines equipped with adaptors chucks.

To use with the following items: **363**

Spare parts



365

ORDER NO.		B mm	L mm	S mm
365.020.00	10	2	23	10
365.025.00	10	2.5	23	10
365.030.00	10	3	23	10
365.032.00	10	3.2	23	10
365.035.00	10	3.5	23	10
365.040.00	10	4	23	10
365.045.00	10	4.5	23	10
365.050.00	10	5	23	10

TECHNICAL DETAILS:

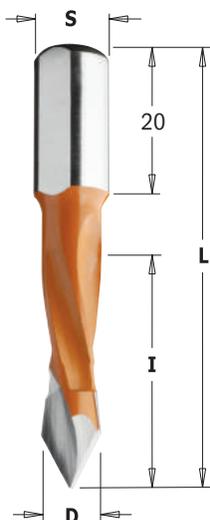
- Super-strength steel.
- Shank with driving flat.
- Axial cuttings for cylindrical drill clamps.

APPLICATION:

used with spiral boring bits with shank diameter equal to the bushing diameter. Used on boring machines equipped with adaptors.

For use with the following items: **363**

4 Flute Dowel Drills for Through Holes



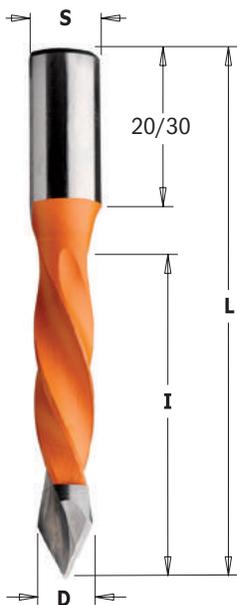
374

CARBIDE TIPPED Z2 RH LH

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		inches	D mm	I mm	L mm	S mm
374.050.11	374.050.12	50		5	30	57.5	10x20
374.080.11	374.080.12	50	5/16	7.94	30	57.5	10x20

For panels with a 20-25mm maximum thickness.

Spare parts	Optional
990.003.00	990.088.00



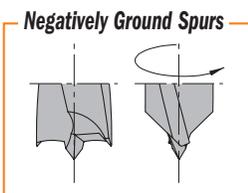
375

CARBIDE TIPPED Z2 RH LH

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		inches	D mm	I mm	L mm	S mm
375.040.11	375.040.12	50		4	40	70	10x20
375.050.11	375.050.12	50		5	40	70	10x20
375.060.11	375.060.12	50		6	40	70	10x20
375.070.11	375.070.12	50		7	40	70	10x20
375.080.11	375.080.12	50	5/16	7.94	40	70	10x20
375.090.11	375.090.12	50		9	40	70	10x20
375.100.11	375.100.12	50		10	40	70	10x20

For panels with a 30-35mm maximum thickness.

Spare parts	Optional
990.003.00	990.088.00



381

CARBIDE TIPPED Z2 RH LH

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		inches	D mm	I mm	L mm	S mm
381.050.11	381.050.12	10		5	70	115	10x30
381.060.11	381.060.12	10		6	70	115	10x30
381.080.11	381.080.12	10	5/16	7.94	70	115	10x30
381.100.11	381.100.12	10		10	70	115	10x30

For panels with maximum 60-65mm in thickness.

Spare parts	Optional
990.003.00	990.088.00

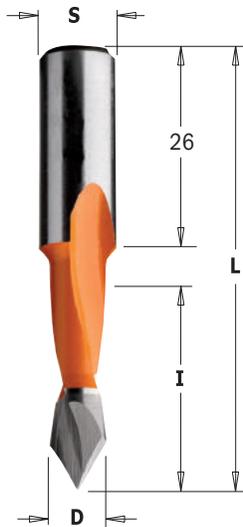
TECHNICAL DETAILS:

- Super-strength steel.
- Spiral portion coated with orange or black P.T.F.E.
- T.C.T. head with precision balanced center point.
- 2 precision ground cutting edges [Z2].
- 4 spiral flutes.
- Parallel shank with driving flat and adjustable screw.

APPLICATION:

used on boring machines and dowel drilling devices.
Used for drilling through holes in solid wood, wood composites, plastic and laminated materials.

2 Flute Dowel Drills for Through Holes



313

CARBIDE TIPPED **Z2** **RH** **LH**

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		D		I	L	S
			inches	mm	mm	mm	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

For panels with a 20mm maximum thickness.

Spare parts

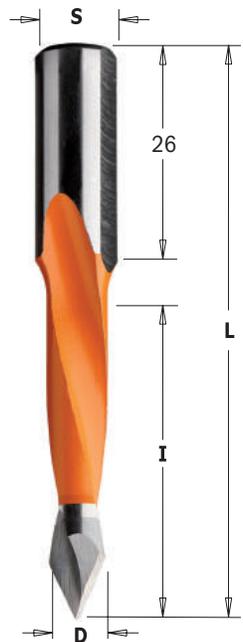


990.003.00

Optional



990.088.00



314

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		D		I	L	S
			inches	mm	mm	mm	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

For panels with a 25-30mm maximum thickness.

Spare parts

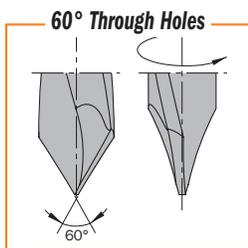


990.003.00

Optional



990.088.00



366

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		D		I	L	S
			inches	mm	mm	mm	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

For panels with a 30-40mm maximum thickness.

Spare parts



990.003.00

Optional



990.088.00

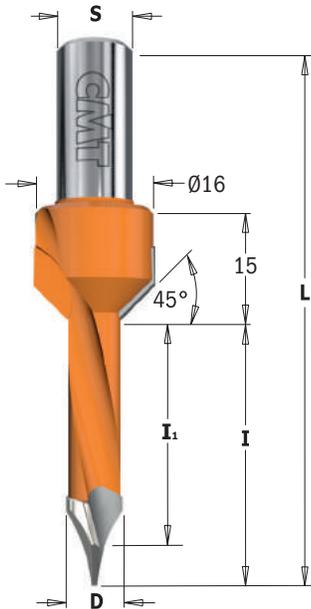
TECHNICAL DETAILS:

- Super-strength steel.
- Spiral portion coated with orange or black P.T.F.E.
- T.C.T. head with precision balanced center point.
- 2 precision ground T.C.T. cutting edges [Z2].
- 2 spiral flutes.
- Parallel shank with driving flat and adjustable screw.

APPLICATION:

used on boring machines and dowel drilling devices. Used for drilling through holes in solid wood, wood composites, plastic and laminated materials.

Dowel Drills for Through Holes with Countersink



378



ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		D inches	D mm	I mm	I ₁ mm	L mm	S mm
378.052.11	378.052.12	10		5	35	31	70	10
378.072.11	378.072.12	10		7	35	29.5	70	10
378.082.11	378.082.12	10	5/16	7.94	35	29	70	10
378.102.11	378.102.12	10		10	35	26.5	70	10

TECHNICAL DETAILS:

- Super-strength steel.
- Spiral portion coated with orange or black P.T.F.E.
- HW head with precision balanced centre point.
- 2 precision ground cutting edges [Z2].
- 2 ground spurs [V2].
- 2 spiral flutes.
- Parallel shank with driving flat and length adjusting screw.

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 adaptors or chucks.

Spare parts



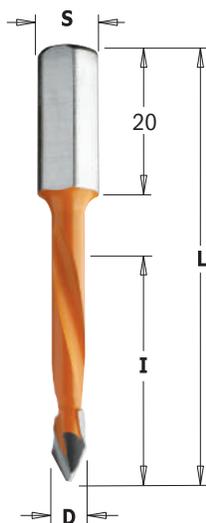
990.003.00

Optional



990.088.00

2 Flute Dowel Drills for Through Holes



367



ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		D inches	D mm	I mm	L mm	S mm
367.050.11	367.050.12	50		5	30	56	8x20
367.080.11	367.080.12	50	5/16	7.94	30	56	8x20

For panels with a 20-25mm maximum thickness.

Available on request.

Spare parts



990.003.00

Optional



990.088.00

368



ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		D inches	D mm	I mm	L mm	S mm
368.050.11	368.050.12	50		5	43	70	8x20
368.060.11	368.060.12	50		6	43	70	8x20
368.070.11	368.070.12	50		7	43	70	8x20
368.080.11	368.080.12	50	5/16	7.94	43	70	8x20

For panels with a 35-40mm maximum thickness.

TECHNICAL DETAILS:

- Super-strength steel.
- Spiral portion coated with orange or black P.T.F.E.
- T.C.T. head with precision balanced center point.
- 2 precision ground cutting edges [Z2].
- 2 spiral flutes.
- Parallel shank with driving flat and adjustable screw.

APPLICATION: used on boring machines and dowel drilling devices. Used for drilling through holes in solid wood, wood composites, plastic and laminated materials.

Available on request.

Spare parts

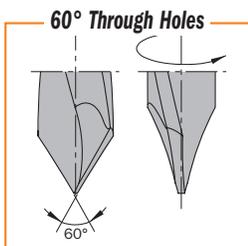


990.003.00

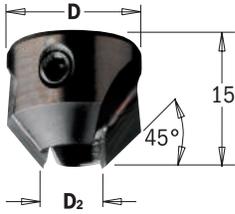
Optional



990.088.00



Countersink for 4 Flute Drills



For assembly on the spiral head of the bit. Adjustable depth.
For use with the following parts:
306-307-308-309-344-346-372-373-374-375 carbide tipped.

316

CARBIDE TIPPED **Z2** **RH** **LH**

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		D ₂ mm	D mm
316.040.11	316.040.12	10	4	16
316.050.11	316.050.12	10	5	16
316.060.11	316.060.12	10	6	16
316.070.11	316.070.12	10	7	16
316.080.11	316.080.12	10	8	18
316.090.11	316.090.12	10	9	18
316.100.11	316.100.12	10	10	20
316.120.11	316.120.12	10	12	20

TECHNICAL DETAILS:

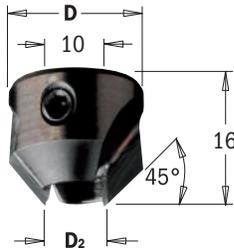
- Super-strength steel.
- 2 precision ground carbide tipped cutting edges [Z2].

Spare parts



APPLICATION: used for chamfering and drilling in solid wood, wood composites, plastic and laminated materials.

Countersink for 2 Flute Drills



For assembly on the shank of the drill.
For use with the following parts:
310-311-362-313-314-366 carbide tipped.

315

CARBIDE TIPPED **Z2** **RH** **LH**

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		D ₂ mm	D mm
315.200.11	315.200.12	10	From 5 to 10	20
315.220.11	315.220.12	10	From 11 to 12	22

TECHNICAL DETAILS:

- Super-strength steel.
- 2 precision ground carbide tipped cutting edges [Z2].
- Clamps directly on to the shank of the drills.

Spare parts



APPLICATION: used for chamfering and drilling in solid wood, wood composites, plastic and laminated materials.

90° Solid Carbide Countersink

new



521

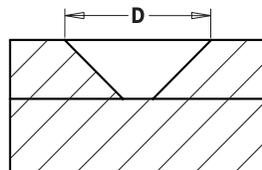
SOLID CARBIDE **Z3** **RH**

ORDER NO. Right-hand rotation		D mm	I mm	L mm	S mm
521.002.21	10	19.5	9	70	10x47

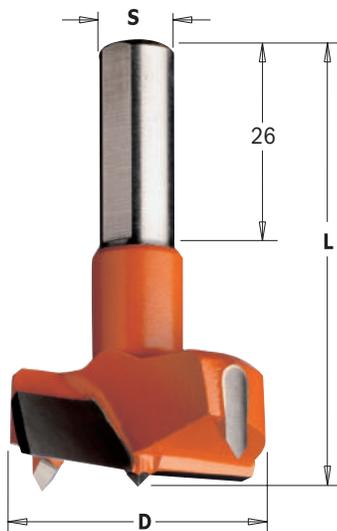
TECHNICAL DETAILS:

- Super strength steel.
- 3 HWM precision ground cutting edges [Z3].
- Parallel shank with driving flat and length adjusting screw.

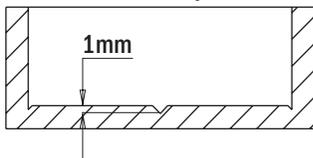
APPLICATION: used for chamfering and drilling in solid wood, wood composites, plastic and laminated materials. To use on boring machines and CNC.



Hinge Boring Bits



New construction with 1mm centre point



317

CARBIDE TIPPED Z2 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 center point.
- 2 precision ground cutting edges [Z2].
- 2 negatively ground spurs.
- Parallel shank with driving flat and adjustable screw.

Spare parts



Optional



APPLICATION:

ideal for hinges. Used on boring machines equipped with chucks or adaptors. Used for drilling accurate and clean-cut blind holes in solid wood, wood composites, plastic and laminated materials.



360.001



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:
Biesse machines with quick drill change attachment.



360.101



ORDER NO. Right-hand & Left-hand rotation		B mm	d mm	D mm
360.101.00	10	10	17.5	18

FOR USE ON:
Vitap.



360.201



ORDER NO. Right-hand & Left-hand rotation		B mm	d mm	D mm
360.201.00	10	10	19.5	20

FOR USE ON:
Morbidelli.

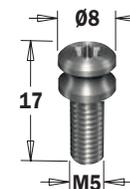


360.401



ORDER NO. Right-hand & Left-hand rotation		B mm	d mm	D mm
360.401.00	10	10	20	17

FOR USE ON:
Weeke.



990.088



ORDER NO.	DESCRIPTION
990.088.00	Retaining screw for Weeke machines



301

RH LH

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		B mm	D mm	S
301.000.01	301.000.02	10	10	19.5	M8

FOR USE ON:
Nottmeyer (older models).

Spare parts

990.006.00 991.062.00

Available on request.



302

RH LH

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		B mm	D mm	S
302.000.01	302.000.02	10	10	19.5	M10

FOR USE ON:
Ayen, Holzma, Knoevenagel, Mayer, Torwegge.

Spare parts

990.006.00 991.062.00

Available on request.



303

RH LH

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		B mm	D mm	S
303.000.01	303.000.02	10	10	19.5	M10/30°

FOR USE ON:
Alberti (older models).
Balestrini, Bilek, Busellato (older models).
Schleicher, Vitap (older models).

Spare parts

990.006.00 991.062.00

Available on request.



305

RH LH

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation		B mm	D mm	S
305.000.01	305.000.02	10	10	19.5	M10/11

FOR USE ON:
Biesse (older models).
Masterwood (Zangheri & Boschetti).
Morbidelli, Torwegge, Vitap (new design).
Weeke.

Spare parts

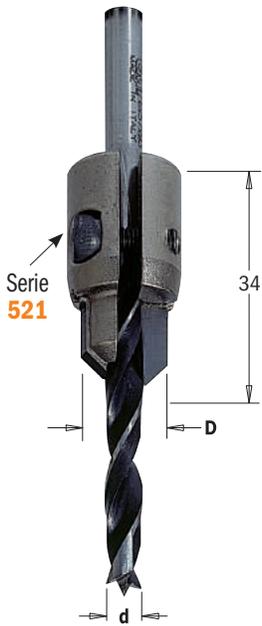
990.006.00 991.062.00

BITS FOR HAND POWER TOOLS



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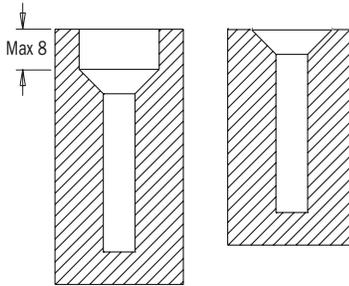
521

CARBIDE TIPPED Z2 RH

ORDER NO.	Right-hand rotation	D	d
521.001.11	10	from 7/16 to 19/32	from 1/8 to 9/32

Supplied with hex key

Spare parts



TECHNICAL DETAILS:

- Premium quality T.C.T.
- 2 precision ground T.C.T. cutting edges [Z2].
- Quick and easy drill change.

APPLICATION: used with spiral bits with parallel shanks.

Twist drills not included.



Hinge Boring Bits

392

CARBIDE TIPPED Z2 V2 RH

ORDER NO.	Right-hand rotation	D	L	S
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.
- Cutter portion coated with black P.T.F.E.
- T.C.T. head with precision balanced center point.
- 2 precision ground T.C.T. cutting edges [Z2].
- 2 T.C. negatively ground spurs [V2].
- Parallel shank.

APPLICATION: for use on drilling machines and hand-held routers in solid wood, wood composites and plastic laminated materials. Ideal for hinges and blind holes.

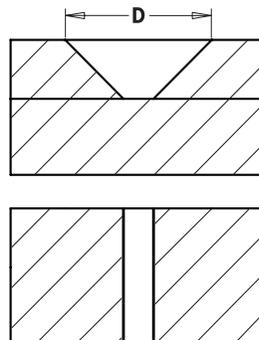


90° Solid Carbide Countersink with Parallel Shank

521

SOLID CARBIDE LONG LIFE Z3 RH

ORDER NO.	Right-hand rotation	D	I	L	S
521.002.11	10	19.5	9	70	10x48



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.

For drilling use bits serie 516 or 517



543

HSS Z1 RH

ORDER NO. Right-hand rotation		D inches	S inches
543.064.51	1	1/4	3/4
543.079.51	1	5/16	3/4
543.095.51	1	3/8	3/4
543.127.51	1	1/2	3/4
543.158.51	1	5/8	3/4
543.190.51	1	3/4	3/4



Sample of Chisel Mortiser

It's tough to beat the "old faithful" mortise and tenon joint for strength and accuracy, even with all the other joining options in the world of woodworking. It isn't the easiest joint to make, but it sure 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, from 1/4" to 3/4" diameter.

These sets are for use in any standard drill press mortising attachment of mortising machinery.

Plug Cutters



529

SP RH

ORDER NO. Right-hand rotation		d inches	D inches	L inches	S inches	T	Max RPM	
							Softwood	Hardwood
529.095.31	5	3/8	49/64	5-1/2	1/2	4	1000	500
529.127.31	5	1/2	61/64	5-1/2	1/2	4	1000	500
529.158.31	5	5/8	1-7/64	5-1/2	1/2	4	1000	500
529.191.31	5	3/4	1-7/32	5-1/2	1/2	4	500	300
529.222.31	5	7/8	1-11/32	5-1/2	1/2	4	500	300
529.254.31	5	1	1-15/32	5-1/2	1/2	5	500	300
529.317.31	5	1-1/4	1-19/32	5-1/2	1/2	5	500	300
529.349.31	2	1-3/8	1-27/32	6-5/16	5/8	6	500	300
529.381.31	2	1-1/2	1-31/32	6-5/16	5/8	6	500	300
529.413.31	2	1-5/8	2-3/32	6-5/16	5/8	6	200	150
529.445.31	2	1-3/4	2-7/32	6-5/16	5/8	6	200	150
529.508.31	2	2	2-15/32	6-5/16	5/8	6	200	150

TECHNICAL DETAILS:

- SP steel.
- Long lasting cutter performance.

APPLICATION: used to make plugs in soft/hard woods.

Forstner Bits



537



ORDER NO.	Right-hand rotation	D inches	L inches	S inches	ORDER NO.	Right-hand rotation	D mm	L mm	S mm
537.064.31	10	1/4	3-35/64	3/8	537.100.31	10	10	90	8
537.095.31	10	3/8	3-35/64	3/8	537.120.31	10	12	90	8
537.127.31	10	1/2	3-35/64	3/8	537.140.31	10	14	90	8
537.158.31	10	5/8	3-35/64	3/8	537.150.31	10	15	90	8
537.190.31	10	3/4	3-35/64	3/8	537.160.31	10	16	90	8
537.222.31	10	7/8	3-35/64	3/8	537.180.31	10	18	90	8
537.254.31	10	1	3-35/64	3/8	537.200.31	10	20	90	8
537.285.31	10	1-1/8	3-35/64	3/8	537.220.31	10	22	90	8
537.317.31	10	1-1/4	3-35/64	3/8	537.240.31	10	24	90	8
537.349.31	10	1-3/8	3-35/64	3/8	537.250.31	10	25	90	8
537.381.31	10	1-1/2	3-35/64	3/8	537.260.31	10	26	90	8
537.413.31	10	1-5/8	3-35/64	3/8	537.280.31	10	28	90	8
537.445.31	10	1-3/4	3-35/64	3/8	537.300.31	10	30	90	8
537.476.31	10	1-7/8	3-35/64	3/8	537.320.31	10	32	90	10
537.508.31	10	2	3-35/64	3/8	537.350.31	10	35	90	10
537.540.31	5	2-1/8	3-35/64	3/8	537.380.31	10	38	90	10
					537.400.31	10	40	90	10
					537.450.31	10	45	90	10
					537.500.31	10	50	90	10
					537.550.31	5	55	90	10
					537.680.31	5	68	157	12.7

- TECHNICAL DETAILS:**
- Super-strength steel SP steel.
 - Precision balanced center point - 2 spurs [Z2].
 - 2 precision ground cutting edges [Z2].
 - Long lasting cutter performance.

APPLICATION: used to drill precise flat bottom holes with no chipping in any thickness of soft wood. For drilling holes in any direction and making arched openings. For drilling partially overlapped flat bottom holes for easy mortising. For drilling niches used to fix supports.

Forstner Bit Sets

We offer a wide range of Forstner Bits in the most popular diameters. These bits are available individually or in beautiful wooden sets. There is a high performance stagger tooth design on all larger diameter bits for clean sharp holes with straight sides and flat bottoms. These bits are ideal for drill presses, electric and cordless drills in all types of soft wood.



537.000.16

- 537.000.04
- 537.000.05
- 537.000.07
- 537.000.12



ORDER NO.	SET CONTAINS	BITS DESCRIPTION
537.000.04	5-piece Forstner bits set in clamshell Shank 3/8"	Ø1/4" - 1/2" - 3/4" - 1"
537.000.07	7-piece Forstner bits set with case Shank 3/8"	Ø1/4" - 3/8" - 1/2" - 5/8" - 3/4" - 7/8" - 1"
537.000.16	16-piece Forstner bits set with case Shank 3/8"	Ø1/4" - 3/8" - 1/2" - 5/8" - 3/4" - 7/8" - 1" - 1-1/8" - 1-1/4" - 1-3/8" - 1-1/2" - 1-5/8" - 1-3/4" - 1-7/8" - 2" - 2-1/8"
537.000.05	5-piece Forstner bits set with case Shank 8-10mm	Ø15 - 20 - 25 - 30 - 35mm
537.000.12	12-piece Forstner bits set with case Shank 8-10mm	Ø10 - 12 - 14 - 15 - 16 - 18 - 20 - 22 - 25 - 26 - 30 - 35mm



531

CARBIDE TIPPED **Z2** **RH**

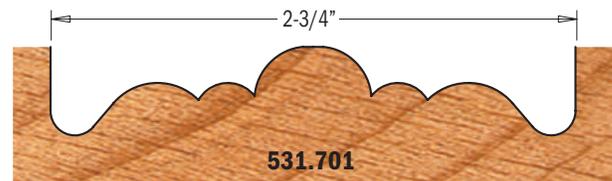
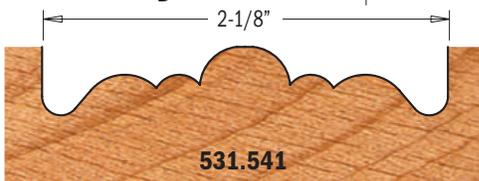
ORDER NO. Right-hand rotation		D inches	L inches	S inches	RPM Max
531.541	10	2-1/8	2-57/64	3/8	1500
531.542	10	2-1/8	2-13/16	3/8	1500
531.543	10	2-1/8	2-21/32	3/8	1500
531.544	10	2-1/8	2-27/32	3/8	1500
531.701	5	2-3/4	3-1/64	3/8	1500
531.702	5	2-3/4	2-29/32	3/8	1000

TECHNICAL DETAILS:

- Super strength steel HS.
- 2 precision ground carbide cutting edges [Z2].
- Parallel hexagonal shank.
- Right-hand rotation (RH).



APPLICATION: for use on standing drilling machines and drilling power tools at low RPM (Max 1800 RPM).



Drawings are 1:1 scale



Bits for Domino® Joining Machine by Festool®



380

CARBIDE TIPPED **SOLID CARBIDE** **Z2** **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
380.081.11	10	8	50	70	M8x1	DF700
380.100.11	10	10	28	49	M6x0,75	DF500
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

TECHNICAL DETAILS:

- Premium quality super-strength steel.
- Spiral portion coating with black P.T.F.E.
- Extra-fine micrograin carbide spiral portion.
- 2 cutting edges [Z2].
- 2 spiral flutes.

APPLICATION: used on "Domino®" machines for routing slots on solid wood and wood composites.

* Solid Carbide

FASTX4 SYSTEM: THE HOLE SAW REVOLUTION!

CMT's innovative system offers great advantages to all professionals!

X1 FAST LOCK

ALL IN ONE CLICK!

We developed a unique patented Fast Lock System to quickly change between sizes and types in seconds!

It is the only system that allows the hole saw and the pilot drill to be changed without tools.



X2 FAST DRILL

FAST DRILLING IN ALL CONDITIONS!

Our hole saws have unique body geometry and teeth sharpening which provides fast, precise drilling at Xtreme angles.

- pre-drill at the desired angle
- push the hole saw forward back in position and complete the hole.



X3 FAST BORE ENLARGEMENT

UNIQUE SOLUTION FOR BORE ENLARGEMENT!

CMT has a unique and fast solution to enlarge your bores. Our innovative pilot drill bit can fit two hole saws, allowing you to enlarge a hole in seconds.



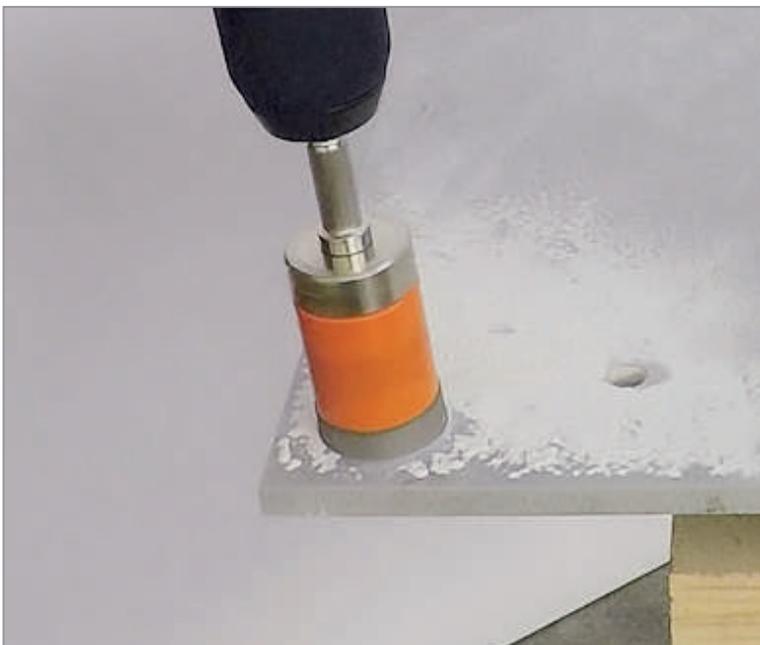
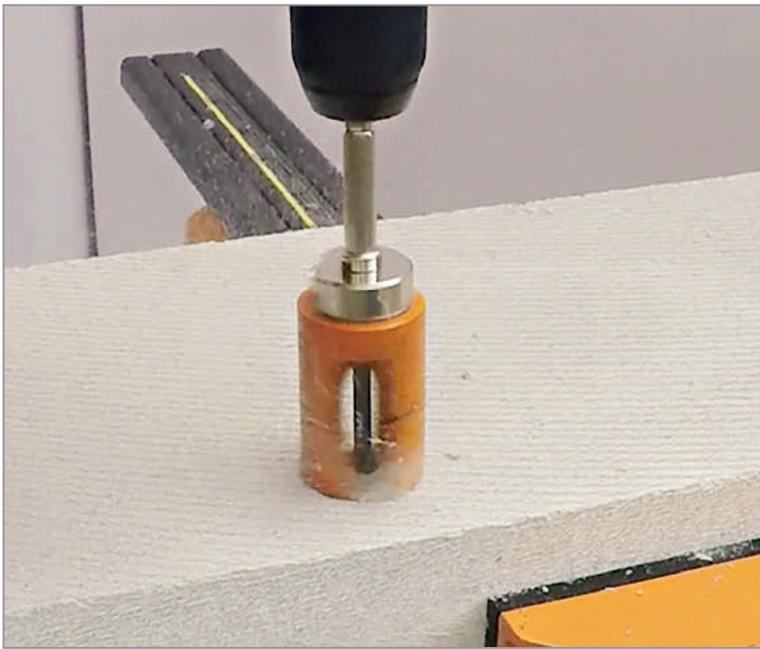
X4 FAST PLUG REMOVAL

EASY PLUG REMOVAL IN ONE CLICK!

No more screwdrivers or tools!

The plug is effortlessly removed by reversing the pilot drill bit.





HOLE SAWS

PRODUCTS	PAGE
Multi-Purpose Hole Saws	284-285
Multi-Purpose Long Hole Saws	286-287
Bi-Metal Plus 8% Cobalt	288-289
Diamond Dry Hole Saws	290~292

Join us on our



channel and watch our
Hole Saws video tutorials.



FASTX4 SYSTEM: THE HOLE SAW REVOLUTION!

The innovative patented FASTX4 system makes the hole saw arbor obsolete. These hole saws have been specifically designed to ensure maximum productivity, lifetime and performance in all materials. CMT offers a professional range for electricians, carpenters, builders, kitchen fitters and all related heating, ventilation and plumbing trades.

SERIES 550 TUNGSTEN CARBIDE-TIPPED



10X
LONGER LIFE

5X
FASTER



PAGE 284-285

CARBIDE TIPPED

LONG LASTING CONSTRUCTION GRADE CARBIDE

A special formulated construction grade carbide is used for the cutting teeth, which provides 10 times longer cutting life.

Tungsten carbide-tipped multi-purpose hole saws are designed for use in a wide variety of materials such as soft and hard woods, chipboard, plywood, MDF, plastic, gypsum/plasterboard, tiles, solid brick, brick with cavities, aerated concrete block, lightweight aggregate block, breeze block and soft density lime-sandstone building block (max 30 N/mm² hardness).

SERIES 551 BI-METAL PLUS 8% COBALT



50%
LONGER LIFE



PAGE 286-287

BIM 8% Co

BI-METAL PLUS 8% COBALT

Premium bi-metal with 8% cobalt provides Xtreme results in performance and up to 50% longer lifetime than the competition.

Special tooth geometry with regular pitch provides a smoother cut and better chip clearance preventing clogging and heat build-up. Teeth are alternate & side set to minimize binding and friction requiring less feed pressure. Ideal for mild steel (up to 1000 N/mm² strength), stainless steel, non-ferrous metal, aluminium, cast iron, copper and zinc.

SERIES 552 DIAMOND DRY



10X
LONGER LIFE



PAGE 288-289



DIAMOND GRIT PREMIUM GRADE

Very well-shaped and extremely strong cubo-octahedral inclusion-free heat-resistant crystals to deliver fast clean cuts. Up to 10 times longer life.

Diamond grit edge hole saws have been specially developed for professionals that need to drill in extremely hard materials such as ceramic tile (porcelain, gres, quarry, granite, hard stone), fiberglass, gypsum/plasterboard, fibercement board and cast acrylic products such as, Perspex® and Plexiglas®, where it is increasingly difficult to drill with conventional hole saws. These hole saws guarantee excellent performance and superior lifetime even in the hardest materials.

EYE-CATCHING PACKAGING



03.01.0297 (empty box)



03.01.0296 (empty box)



Teeth are protected with heat shrink wrap film



FASTX4 Hole Saw Application Chart



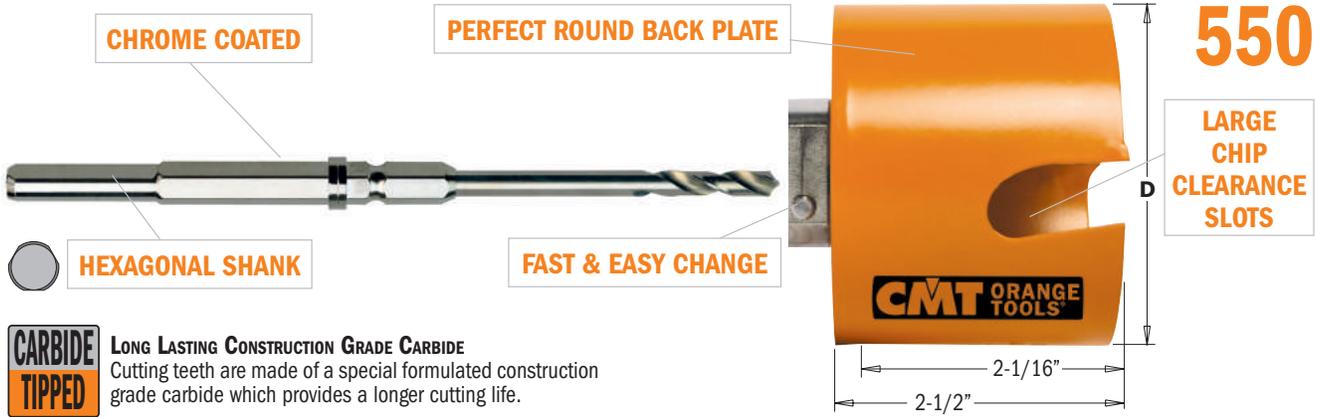
MATERIAL		SERIES 550 	SERIES 551 	SERIES 552 	TIPS
Soft and hardwood		>500 holes	<30 holes		
Plywood, table top		>500 holes	<30 holes		
MDF, chipboard, veneered		>500 holes	<30 holes		
Laminated, Trespa®, HPL		>500 holes	<10 holes		
Gypsum and plasterboard		>500 holes	>50 holes		
Fibercement boards, Eternit®		>500 holes	<30 holes		
Sandwich materials			50~75 holes		
Plastic		>100 holes	<20 holes		
Fiberglass		50~100 holes			
Acrylic glass		>100 holes			
Roofing tiles		>50 holes			Not suitable for ceramic tiles
Solid bricks, masonry		>50 holes		<20 holes	
Perforated bricks		>50 holes		<20 holes	
Lime bricks		>50 holes			
Porous and lightweight concrete		>500 holes	<20 holes		
Metals and thin sheet metals			10~40 holes		Use coolant oil
Non-ferrous metals			50~75 holes		Use coolant oil
Aluminium			50~75 holes		Use coolant oil
Stainless steel			30~50 holes		Use coolant oil. Low speed.
Cast iron			5~10 holes		Use coolant oil
Copper, zinc, brass			50~75 holes		Use coolant oil
Tiles (porcelain, gres, quarry)				10~50 holes	Reapply lubricating wax on diameters ranging from 08mm to 016mm
Hard stone (granite, marble), Okite				10~50 holes	Reapply lubricating wax on diameters ranging from 08mm to 016mm

The number of holes is approximate. Material type, thickness and speed can affect such performance.

Examples of applications based on diameter and user (may vary from country to country)

Diameter inches	3/4	7/8	1	1-3/16	1-3/8	1-9/16	1-3/4	1-7/8	2	2-1/8	2-1/4	2-3/8	2-1/2	2-11/16	2-3/4	3	3-1/4	3-3/8	3-5/8	4	4-1/8	5	6	User
Fitted light	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	Electrician
Cable feedthrough box				•	•							•							•					
Switch boxes													•											
Plug sockets														•										
Junction boxes															•	•								
Distributor boxes																	•	•						
Air conditioning pipes																				•	•			Plumber and heating fitter
Sanitary and heating pipes	•		•	•	•																			
Sanitary, drain and water pipes (insulated)							•	•	•															

FASTX4 Multi-Purpose Hole Saws



LONG LASTING CONSTRUCTION GRADE CARBIDE
Cutting teeth are made of a special formulated construction grade carbide which provides a longer cutting life.



SECURED TOOTH TECHNOLOGY
As a result of the latest technology, teeth are secured to prevent any breakage during impact with hard materials.

10X LONGER LIFE
5X FASTER



MATERIALS

- soft, hardwood and plywood
- chipboard, MDF, veneered, laminated and table top (pre-drill the laminate/melamine by using left-hand rotation for clean finishing)
- gypsum, plasterboard, fibercement board, Eternit®
- plastics (PVC, nylon, polyester)
- Trespa®, SM'art®, Stylam®
- fiberglass and acrylic glass
- tiles, solid bricks and bricks with cavities, aerated concrete blocks, lightweight aggregate blocks and breeze blocks, soft density lime-sandstone building blocks (max 30 N/mm² hardness); for hardness >30 N/mm² use the diamond dry hole saws.

The plug is effortlessly removed thanks to the innovative slots



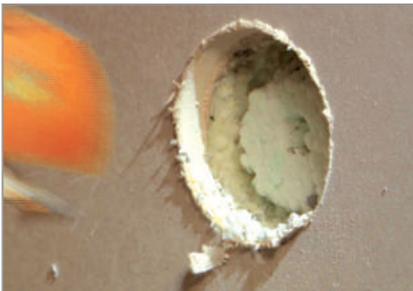
Ceramic tiles



Wood & MDF



Plastic



Plasterboard



Soft bricks



Lime bricks



Use the recommended speeds to get optimum lifetime. The speed affects the hole quality.
Always pre-drill with the center drill to achieve best results.
The percussion/hammer action mode must be turned off when using these hole saws.



ORDER NO.		D		T	Wood & Mdf	Pvc & FIBERGLASS	MASONRY, BRICK	TILES	S
		inches	mm		RPM	RPM	RPM	RPM	
550-019	10	3/4	19	1	1.600	1.000	1.000	640	Hexagonal
550-020	10	13/16	20	1	1.600	1.000	1.000	640	Hexagonal
550-022	10	7/8	22	1	1.460	1.000	1.000	580	Hexagonal
550-025	10	1	25	1	1.280	1.000	1.000	510	Hexagonal
550-029	10	1-1/8	29	1	1.100	940	940	440	Hexagonal
550-030	10	1-3/16	30	1	1.070	910	910	430	Hexagonal
550-032	10	1-1/4	32	1	1.000	850	850	400	Hexagonal
550-035	10	1-3/8	35	1	920	780	780	370	Hexagonal
550-038	10	1-1/2	38	2	840	720	720	340	Hexagonal
550-040	10	1-9/16	40	2	800	680	680	320	Hexagonal
550-044	10	1-3/4	44.5	2	730	620	620	290	Hexagonal
new 550-048	10	1-7/8	48	2	680	580	580	270	Hexagonal
550-051	10	2	51	3	630	540	540	250	Hexagonal
550-052	10	2-1/16	52	3	620	530	530	250	Hexagonal
550-054	10	2-1/8	54	3	590	510	510	240	Hexagonal
550-056	10	2-3/16	56	3	570	490	490	230	Hexagonal
550-057	10	2-1/4	57	3	560	480	480	220	Hexagonal
550-060	10	2-3/8	60	3	530	460	460	210	Hexagonal
550-064	10	2-1/2	64	3	500	430	430	200	Hexagonal
550-065	10	2-9/16	65	3	500	430	430	200	Hexagonal
550-068	10	2-11/16	68	3	470	400	400	190	Hexagonal
550-070	10	2-3/4	70	3	460	390	390	180	Hexagonal
550-073	10	2-7/8	73	3	440	370	370	180	Hexagonal
550-076	10	3	76	3	420	360	360	170	Hexagonal
550-079	10	3-1/8	79	3	410	350	350	160	Hexagonal
550-080	10	3-5/32	80	3	400	340	340	160	Hexagonal
550-082	10	3-15/64	82	3	390	330	330	160	Hexagonal
550-083	10	3-1/4	83	3	390	330	330	150	Hexagonal
550-089	10	3-1/2	89	3	360	310	310	140	Hexagonal
550-092	10	3-5/8	92	3	350	300	300	140	Hexagonal
550-102	5	4	102	5	310	270	270	130	Hexagonal
550-105	5	4-1/8	105	5	310	260	260	120	Hexagonal
550-108	5	4-1/4	108	5	300	250	250	120	Hexagonal
550-111	5	4-3/8	111	5	290	250	250	120	Hexagonal
550-114	5	4-1/2	114	5	280	240	240	110	Hexagonal
550-118	2	4-5/8	118	5	280	240	240	110	Hexagonal
550-127	2	5	127	5	250	220	220	100	Hexagonal
550-133	2	5-1/4	133	5	240	210	210	100	Hexagonal
550-152	2	6	152	5	210	180	180	80	Hexagonal
new 550-160	2	6-9/32	160	7	200	150	150	100	Hexagonal
550-168	2	6-5/8	168	7	200	150	150	120	Hexagonal
new 550-185	2	7-1/4	185	7	200	150	150	120	Hexagonal
550-210	1	8-1/4	210	7	200	150	150	120	Hexagonal
550-225	1	8-7/8	225	9	160	120	120	95	Hexagonal
550-260	1	10-1/4	260	9	150	110	110	80	Hexagonal
550-270	1	10-5/8	270	9	140	100	100	70	Hexagonal

550-HS1

For **025/32" - 1-3/16"** (20-30mm). Hexagonal shank for **25/64"** (10mm) chuck, HSS center drill, total length 7-5/64" (180mm).

550-HS2

For **01-1/4"** (32mm) and above. Hexagonal shank for **1/2"** chuck, HSS center drill, total length 7-5/64" (180mm).*



550-HW1

For **025/32" - 1-3/16"** (20-30mm). Hexagonal shank for **25/64"** (10mm) chuck, HW center drill, total length 7-5/64" (180mm).

550-HW2

For **01-1/4"** (32mm) and above. Hexagonal shank for **1/2"** (13mm) chuck, HW center drill, total length 7-5/64" (180mm).*



550-DB1

Adaptor for easy bore enlargement and plug removal. For use with hole saws having different hexagonal shank sizes. Hexagonal shank **1/2"** (13mm).



* Bore enlargement: feasible with hole saws with 9mm minimum difference between largest and smallest diameter.



FAST4 Multi-Purpose Long Hole Saws



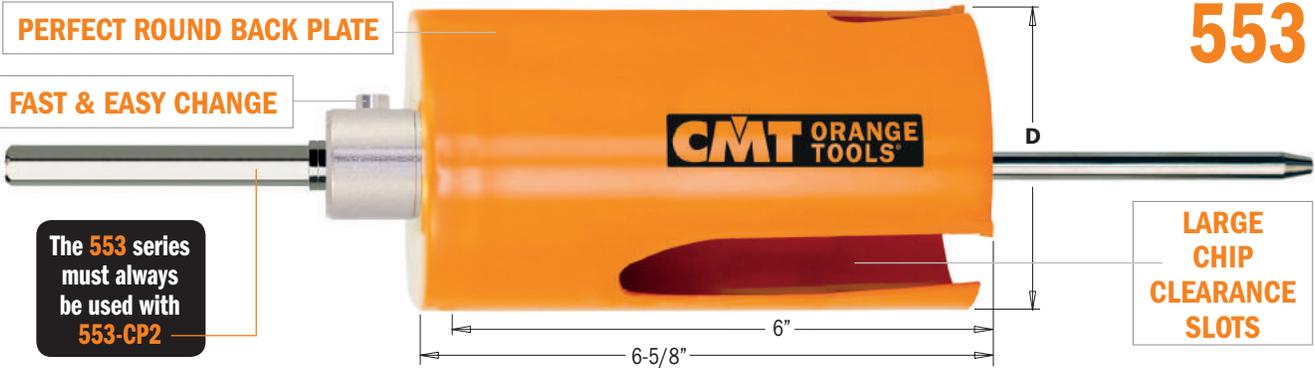
553

PERFECT ROUND BACK PLATE

FAST & EASY CHANGE

The 553 series must always be used with 553-CP2

LARGE CHIP CLEARANCE SLOTS



CARBIDE TIPPED

LONG LASTING CONSTRUCTION GRADE CARBIDE
Cutting teeth are made of a special formulated construction grade carbide which provides a longer cutting life.



SECURED TOOTH TECHNOLOGY
As a result of the latest technology, teeth are secured to prevent any breakage during impact with hard materials.

10X LONGER LIFE

5X FASTER

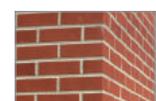


553-CP2 Heavy Duty center pin $\varnothing 25/64"$ (10mm).
Hexagonal shank, total length 13" (330mm).



ORDER NO.	Box Qty	D		T	Wood & Mdf RPM	Pvc & FIBERGLASS RPM	MASONRY, BRICK RPM	TILES RPM	S
		inches	mm						
553-032	10	1-1/4	32	1	800	600	600	400	Hexagonal
553-045	10	1-3/4	44.5	2	600	450	450	350	Hexagonal
553-051	10	2	51	2	600	450	450	350	Hexagonal
553-060	10	2-3/8	60	2	500	350	350	300	Hexagonal
553-065	10	2-9/16	65	3	500	350	350	300	Hexagonal
553-068	10	2-11/16	68	3	500	350	350	300	Hexagonal
553-070	10	2-3/4	70	3	500	350	350	300	Hexagonal
553-076	10	3	76	3	500	350	350	300	Hexagonal
553-080	10	3-5/32	80	3	300	250	250	200	Hexagonal
553-083	10	3-1/4	83	3	300	250	250	200	Hexagonal
553-086	10	3-3/8	86	3	300	250	250	200	Hexagonal
553-092	10	3-5/8	92	3	300	250	250	200	Hexagonal
553-102	5	4	102	4	300	250	250	200	Hexagonal
553-105	5	4-1/8	105	4	300	250	250	200	Hexagonal
553-111	5	4-3/8	111	4	200	150	150	120	Hexagonal
553-114	5	4-1/2	114	4	200	150	150	120	Hexagonal
553-121	5	4-3/4	121	4	200	150	150	120	Hexagonal
553-127	5	5	127	5	200	150	150	120	Hexagonal
553-130	5	5-1/8	130	5	200	150	150	120	Hexagonal
553-133	5	5-1/4	133	5	200	150	150	120	Hexagonal
553-140	1	5-1/2	140	5	200	150	150	120	Hexagonal
553-152	1	6	152	5	200	150	150	120	Hexagonal
553-160	1	6-5/16	160	6	200	150	150	120	Hexagonal
553-177	1	7	177	6	200	150	150	120	Hexagonal
553-190	1	7-1/2	190	6	200	150	150	120	Hexagonal
553-210	1	8-1/4	210	7	200	150	150	120	Hexagonal

553-HW10 Carbide tipped bit $\varnothing 25/64"$ (10mm) to pre-drill deep holes in masonry materials.
Hexagonal shank, total length 7-7/8" (200mm).



550-HS2XL For $\varnothing 1\text{-}1/4"$ (32mm) and above.
Long heavy duty hexagonal shank, HSS center drill, total length 12-19/32" (320mm).



550-HW2XL For $\varnothing 1\text{-}1/4"$ (32mm) and above.
Long heavy duty hexagonal shank, HW center drill, total length 12-19/32" (320mm).



551-HS2XL For $\varnothing 1\text{-}1/4"$ (32mm) and above.
Long heavy duty hexagonal shank, HSS center drill, total length 12-19/32" (320mm).



550-EX1 / 550-EX2 **Heavy Duty Power Change Extension for Pilot Bits.**
 For use with 10-13mm chucks. Hexagonal Shaft. Not compatible with **XL** accessories.



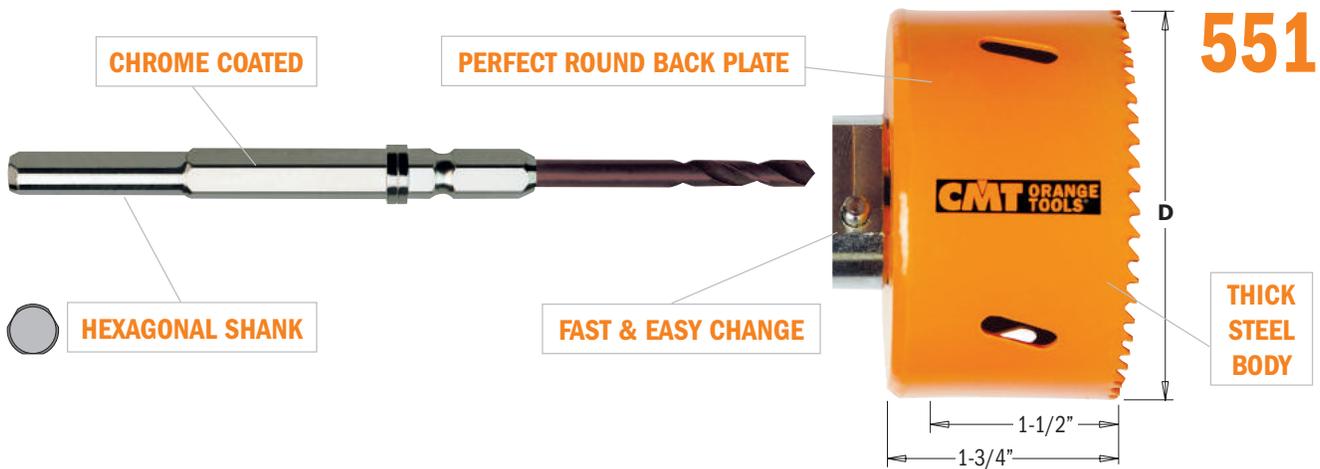
ORDER NO.		S	L		For Chuck
			inches	mm	inches
550-EX1	10	Hexagonal	11-13/16	300	3/8
550-EX2	10	Hexagonal	11-13/16	300	1/2

550-SDS1 / 550-SDS2 **SDS Adaptor for Pilot Bits.**
 SDFS Shank. Not compatible with **XL** and **EX** accessories.

ORDER NO.		S	L		For Chuck
			inches	mm	mm
550-SDS1	10	SDS	3-3/4	95	10
550-SDS2	10	SDS	3-3/4	95	13



FASTX4 Bi-Metal Plus Hole Saws



MATERIALS

- metals (up to 1000 N/mm² strength)
- mild steel,
- stainless steel
- non-ferrous metals, aluminium
- sandwich materials
- cast iron
- copper, zinc, brass



BI-METAL PLUS 8% COBALT

Premium bi-metal with 8% cobalt provides Xtreme results in performance and up to 50% longer lifetime than the competition.

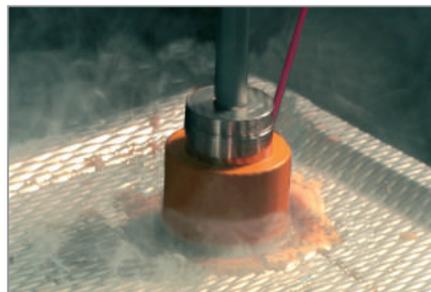


ALTERNATE & SIDE SET TEETH



TEETH DESIGN

Special tooth geometry with regular pitch provides a smoother cut and better chip clearance preventing clogging and heat build-up. Teeth are alternate & side set to minimize binding and friction, requiring less feed pressure.



Stainless steel and cast iron



Zinc, aluminium and copper

SPEED KILLS!

Operating at higher speeds than those recommended will shorten hole saw life and produce very inefficient cutting.

FEED PRESSURE:

Variables in material, work configuration should be considered. Apply sufficient feed pressure to aid chip removal. Reduce the pressure when hole saw becomes hot or if teeth start to clog with material. Insufficient feed pressure will dull tooth points prematurely, but too much pressure can totally destroy teeth.

COOLING LUBRICANT:

Cutting oil serves several purposes when sawing in metals:

- it cools saw and workpiece
- it reduces heat and abrasion, which can shorten cutting life
- it also helps remove swarf from the cutting surface
- using a cooling lubricant will extend your hole saw life by 500%.



Percussion/hammer action mode must be turned off when using these hole saws.



ORDER NO.		D		METAL RPM	STAINLESS STEEL RPM	CAST IRON RPM	ALUMINIUM RPM	S
		inches	mm					
551-016	10	5/8	16	550	270	370	800	Hexagonal
551-019	10	3/4	19	470	230	310	670	Hexagonal
551-020	10	13/16	20	440	220	290	640	Hexagonal
551-022	10	7/8	22	400	200	270	580	Hexagonal
551-025	10	1	25	350	170	230	510	Hexagonal
551-027	10	1-1/16	27	330	160	220	470	Hexagonal
551-029	10	1-1/8	29	310	150	200	440	Hexagonal
551-030	10	1-3/16	30	300	140	190	430	Hexagonal
551-032	10	1-1/4	32	280	140	180	400	Hexagonal
551-035	10	1-3/8	35	250	120	170	370	Hexagonal
551-038	10	1-1/2	38	230	110	150	340	Hexagonal
551-040	10	1-9/16	40	220	110	150	320	Hexagonal
551-043	10	1-11/16	43	210	100	140	300	Hexagonal
551-044	10	1-3/4	44.5	200	100	130	290	Hexagonal
551-048	10	1-7/8	48	180	90	120	270	Hexagonal
551-051	10	2	51	170	85	110	250	Hexagonal
551-052	10	2-1/16	52	160	80	110	240	Hexagonal
551-054	10	2-1/8	54	160	80	110	240	Hexagonal
551-057	10	2-1/4	57	160	75	100	220	Hexagonal
551-060	10	2-3/8	60	150	70	95	210	Hexagonal
551-064	10	2-1/2	64	140	70	90	205	Hexagonal
551-065	10	2-9/16	65	140	70	90	205	Hexagonal
551-068	10	2-5/8	68	130	65	80	185	Hexagonal
551-070	10	2-3/4	70	130	60	80	185	Hexagonal
551-073	10	2-7/8	73	120	60	80	180	Hexagonal
551-076	10	3	76	120	55	75	170	Hexagonal
551-079	10	3-1/8	79	110	55	70	165	Hexagonal
551-083	10	3-1/4	83	105	50	70	155	Hexagonal
551-086	10	3-3/8	86	105	50	65	150	Hexagonal
551-089	10	3-1/2	89	100	50	65	145	Hexagonal
551-092	10	3-5/8	92	95	45	60	140	Hexagonal
551-102	5	4	102	85	45	55	130	Hexagonal
551-105	5	4-1/8	105	80	40	55	120	Hexagonal
551-108	5	4-1/4	108	80	40	55	120	Hexagonal
551-114	5	4-1/2	114	80	40	55	120	Hexagonal
551-127	2	5	127	70	35	45	90	Hexagonal
551-133	2	5-1/4	133	65	35	45	90	Hexagonal
551-140	2	5-1/2	140	65	30	40	85	Hexagonal
551-152	2	6	152	55	25	35	75	Hexagonal
551-168	2	6-5/8	168	55	25	35	75	Hexagonal

Cooling



Cutting oil

Cutting oil

Dry

Turpentine



551-HS1

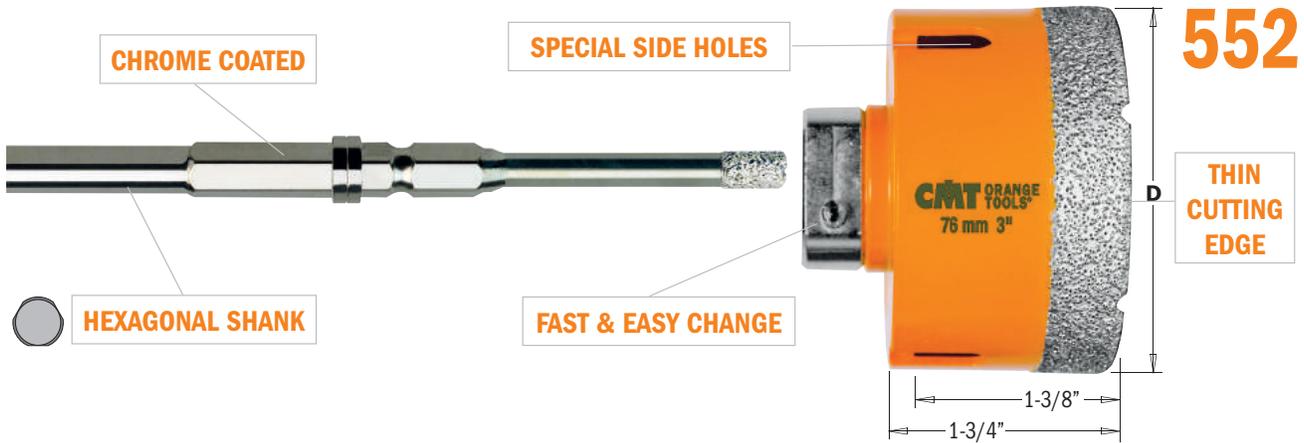
For Bi-Metal PLUS hole saws **05/8" - 1-3/16"** (16-30mm).
Hexagonal shank for **25/64"** (10mm) chuck, HSS center drill, total length 6-5/16" (160mm).



551-HS2

For Bi-Metal PLUS hole saws **01-1/4"** (32mm) and above.
Hexagonal shank for **1/2"** (13mm) chuck, HSS center drill, total length 6-5/16" (160mm).

FASTX4 Diamond Dry Hole Saws



MATERIALS

- floor tiles (porcelain, gres, quarry)
- wall tiles (porcelain, gres, quarry)
- hard stones (granite, marble), Okite
- solid bricks
- masonry
- gypsum/plasterboard
- fiber cement board
- fiberglass



DIAMOND GRIT PREMIUM GRADE

Well-shaped and extremely strong cubo-octahedral inclusion-free heat-resistant crystals deliver fast, clean cuts up to 10 times longer life.



Diamond grit edge hole saws have been specially developed for professionals that need to drill in extremely hard materials where it is increasingly difficult to drill with conventional hole saws. These hole saws guarantee excellent performance and superior lifetime!



Gres, porcelain and ceramic tiles



Granite and Marble



HARD STONE



GRANITE



GRES TILES



Percussion/hammer action mode must be turned off when using these hole saws. NO angle grinder, just a high speed drilling machine (minimum 14V recommended). Always pre-drill with the center drill to achieve the best results. Accurate drill positioning. Center drill reduces the risk of slipping.



FASTX4 Diamond Dry Hole Saws



ORDER NO.		D		TILES (CERAMIC & GRES) HARD STONE, BRICKS, MASONRY	S
		inches	mm		
552-018	10	45/64	18	RPM 1500 ~ 4000	Hexagonal
552-020	10	13/16	20	RPM 1500 ~ 4000	Hexagonal
552-025	10	1	25	RPM 1500 ~ 4000	Hexagonal
552-032	10	1-1/4	32	RPM 1500 ~ 4000	Hexagonal
552-035	10	1-3/8	35	RPM 1500 ~ 4000	Hexagonal
552-038	10	1-1/2	38	RPM 1500 ~ 4000	Hexagonal
552-051	10	2	51	RPM 1500 ~ 4000	Hexagonal
552-055	10	2-3/16	55	RPM 1500 ~ 4000	Hexagonal
552-068	10	2-5/8	68	RPM 1500 ~ 4000	Hexagonal
552-073	10	2-7/8	73	RPM 1500 ~ 4000	Hexagonal
552-076	10	3	76	RPM 1500 ~ 4000	Hexagonal
552-111	5	4-3/8	111	RPM 1500 ~ 4000	Hexagonal



552-DD1 For diamond dry hole saws $\leq \text{Ø}1\text{-}3/16''$ (30mm).
Hexagonal shank for $25/64''$ (10mm) chuck, 8mm diamond center drill, total length 5-5/8" (143mm).



552-DD2 For diamond dry hole saws $\geq \text{Ø}1\text{-}1/4''$ (32mm).
Hexagonal shank for $1/2''$ (13mm) chuck, 10mm diamond center drill, total length 5-5/8" (143mm).

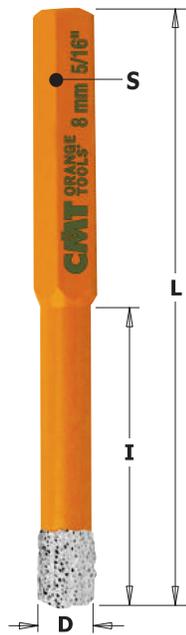


552-WAX
Jar 20ml. (0.68oz). Cooling Wax, for perfect cooling and lubrication.



Diamond dry step-by-step





Filled with cooling wax

552-0

ORDER NO.		D	I	L	TILES (CERAMIC & GRES) HARD STONE, BRICKS, MASONRY	S
552-005	10	3/16 inches / 5 mm	1-3/16 inches	2-11/16 inches	RPM 1500 ~ 4000	Hexagonal
552-006	10	1/4 inches / 6 mm	1-3/16 inches	2-11/16 inches	RPM 1500 ~ 4000	Hexagonal
552-008	10	5/16 inches / 8 mm	1-9/16 inches	3-1/8 inches	RPM 1500 ~ 4000	Hexagonal
552-010	10	3/8 inches / 10 mm	1-9/16 inches	3-1/8 inches	RPM 1500 ~ 4000	Hexagonal
552-012	10	1/2 inches / 12 mm	1-9/16 inches	3-1/8 inches	RPM 1500 ~ 4000	Hexagonal
552-014	10	9/16 inches / 14 mm	1-9/16 inches	3-1/8 inches	RPM 1500 ~ 4000	Hexagonal
552-016	10	5/8 inches / 16 mm	1-9/16 inches	3-1/8 inches	RPM 1500 ~ 4000	Hexagonal



552-001-05

5 PIECE HOLE SAW SET contains:

- 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)



5/8"-11
Spindle



3/4"
(19mm)



Filled with cooling wax

552-7

ORDER NO.		D	I	L	TILES (CERAMIC & GRES) HARD STONE, BRICKS, MASONRY	S
552-705	10	3/16 inches / 5 mm	1-3/8 inches	2-3/8 inches	MAX RPM 14000	5/8"-11
552-706	10	1/4 inches / 6 mm	1-3/8 inches	2-3/8 inches	MAX RPM 14000	5/8"-11
552-708	10	5/16 inches / 8 mm	1-3/8 inches	2-3/8 inches	MAX RPM 14000	5/8"-11
552-710	10	3/8 inches / 10 mm	1-3/8 inches	2-3/8 inches	MAX RPM 14000	5/8"-11
552-712	10	1/2 inches / 12 mm	1-3/8 inches	2-3/8 inches	MAX RPM 14000	5/8"-11
552-716	10	5/8 inches / 16 mm	1-3/8 inches	2-3/8 inches	MAX RPM 14000	5/8"-11
552-719	10	3/4 inches / 20 mm	1-9/16 inches	2-3/8 inches	MAX RPM 14000	5/8"-11
552-725	10	1 inches / 25 mm	1-9/16 inches	2-3/8 inches	MAX RPM 14000	5/8"-11
552-732	10	1-1/4 inches / 32 mm	1-9/16 inches	2-3/8 inches	MAX RPM 14000	5/8"-11
552-735	10	1-3/8 inches / 35 mm	1-9/16 inches	2-3/8 inches	MAX RPM 14000	5/8"-11
552-738	10	1-1/2 inches / 38 mm	1-9/16 inches	2-3/8 inches	MAX RPM 14000	5/8"-11
552-751	10	2 inches / 51 mm	1-9/16 inches	2-3/8 inches	MAX RPM 14000	5/8"-11
552-754	10	2-1/8 inches / 54 mm	1-9/16 inches	2-3/8 inches	MAX RPM 14000	5/8"-11



552-EX16

Hexagonal adapter for electric drill 5/8"-11



552-GUIDE

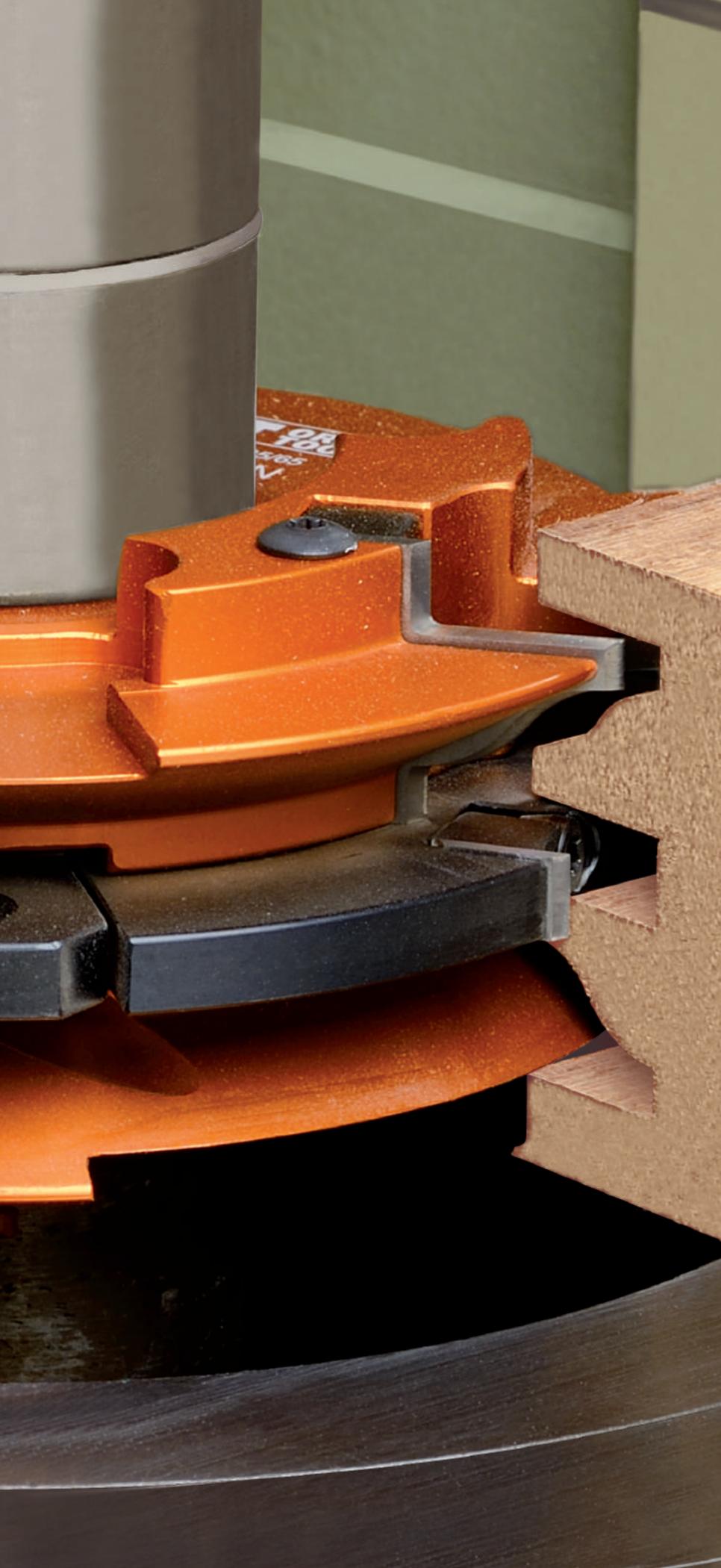
Plastic Drill Guide with 7 holes:
5/32" - 3/16" - 1/4" - 9/32" - 5/16" - 3/8" - 1/2"



552-701-06

6 PIECE HOLE SAW SET contains:

- 552-705 Ø3/16" (5mm)
- 552-706 Ø1/4" (6mm)
- 552-708 Ø5/16" (8mm)
- 552-712 Ø1/2" (12mm)
- 552-GUIDE
- Hexagonal adapter for electric drill



CUTTER HEADS, INSERT KNIVES & SPARE PARTS

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Rabbeting Cutter Head



694.100



These rabbeting cutter heads have been designed for rabbeting, joining and grooving materials of various thicknesses in spindle moulder machines, double-end tenoner and edging machines.

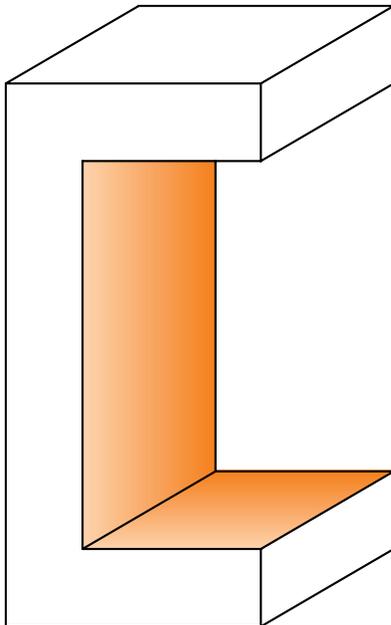
Ideal for coated and uncoated man-made boards, plastic material and hard and soft wood.

Improved design with shear angle.

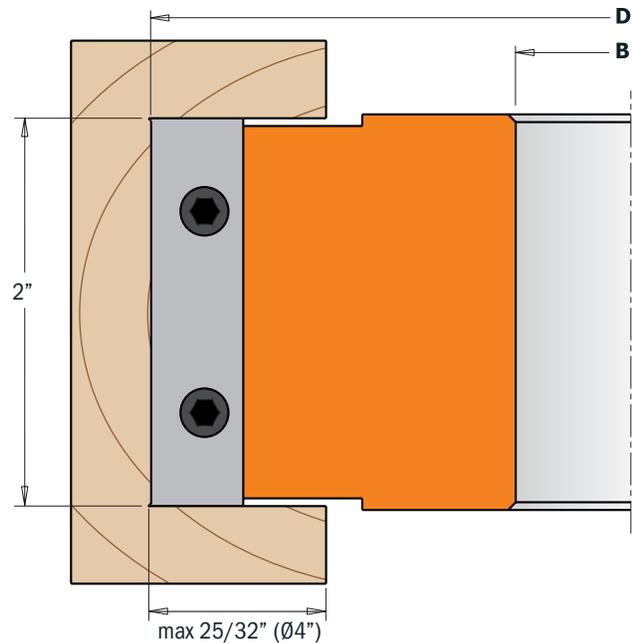
TECHNICAL DETAILS:

- Heavy duty aluminum alloy body.
- 2 universal solid carbide straight knives 50x12x1.5mm [Z2], 1 up cut - 1 down cut.
- 4 universal solid carbide scoring knives 14x14x2mm [V4].
- Tools for manual feed MAN.
- Pins for the automatic positioning of the knives.

Supplied in a solid plastic box



Drawings are 1:1 scale



ORDER NO.	Box	D		B		T	RPM	Spare parts			
		inches	mm	inches	mm			Box	Knives	Screw	Key
694.100.19	1	4	100	3/4	19.05	2+4	7500~12500	790.500.00	695.999.46	990.064.00	991.064.00
694.100.31	1	4	100	1-1/4	31.75	2+4	7500~12500	790.500.00	695.999.46	990.064.00	991.064.00

Spare parts
 790.140.00 Solid carbide knives 14x14x2mm
 990.093.00 Screw M5x5x8mm
 991.073.00 Torx key T25

790.500.00 are supplied in 10-piece pack or multiple

3 piece Adjustable Grooving Set



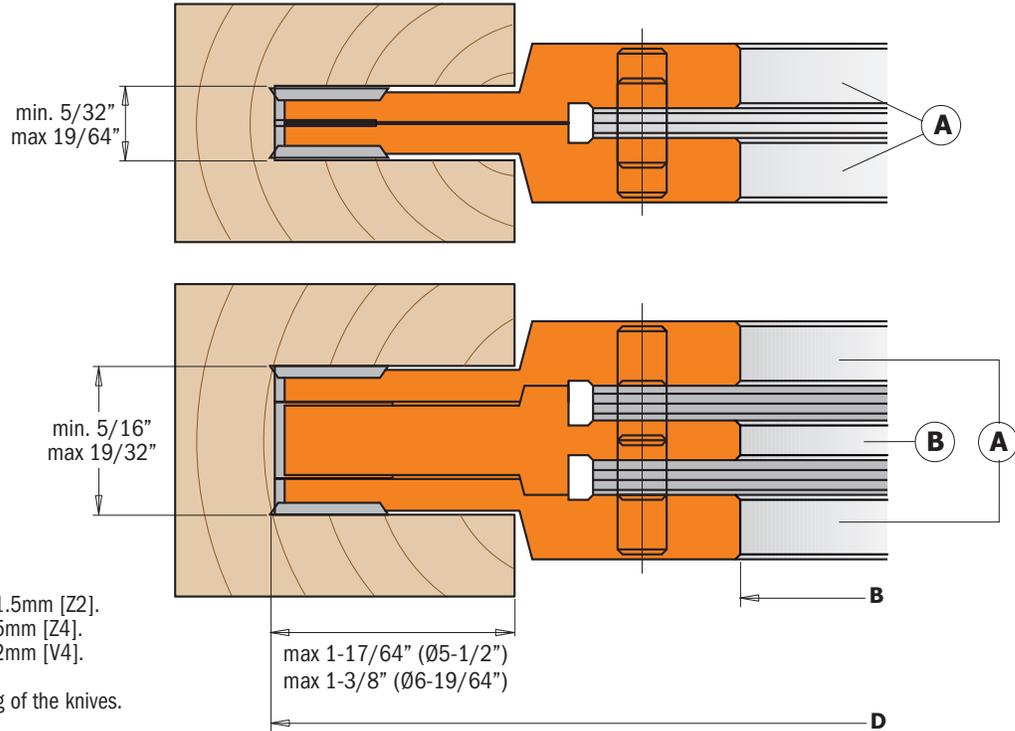
694.001



These cutter heads are the ideal tools to create precision slots and grooves in materials from 5/32" to 19/32" in depth by using the CMT 3 piece adjustable grooving set. This set includes:

- 2 cutter heads type (A) Z4 + V4
- 1 cutter head type (B) Z2
- 12 spacer rings from 0.1 to 2mm

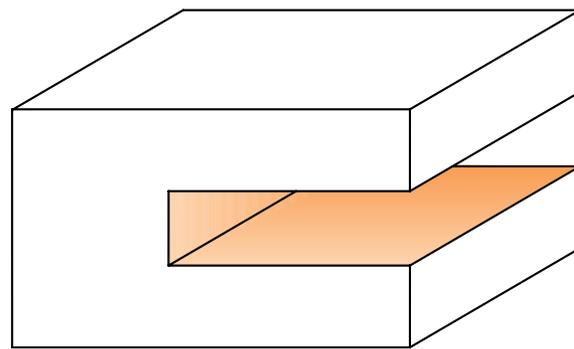
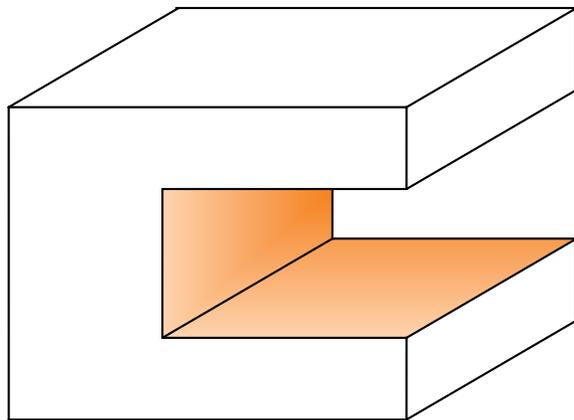
Perfect grooving in all materials, but ideal on solid woods, plywood and laminated panels.



TECHNICAL DETAILS:

- Super-strength steel body.
- 2 solid carbide Knives 7.65x12x1.5mm [Z2].
- 4 solid carbide Knives 18x18x1.5mm [Z4].
- 4 solid carbide Knives 14x14x1.2mm [V4].
- Tools for manual feed MAN.
- Pins for the automatic positioning of the knives.

Supplied in a solid plastic box.



Drawings are 1:1 scale

ORDER NO.		D		B		T	RPM	Spare parts			
		inches	mm	inches	mm						
694.001.31	1	5-1/2	140	1-1/4	31.75	4+4	5500-9500	790.181.00	790.140.10	790.076.00	695.998.22

Spare parts

For cutter heads (A)

- 990.079.00 Screws Torx M4x3,2mm
- 991.069.00 Torx key T9
- 695.996.02 Threaded ring M4 (Ø12x1.7mm)
- 695.996.01 Threaded ring M4 (Ø10x1.6mm)

For cutter heads (B)

- 695.999.07 Wedge for knives 7x11x9.5mm
- 990.063.00 Screw M5x18mm
- 991.072.00 Torx key T20

790.181.00, 790.140.10 and 790.076.00 are supplied in 10-piece pack or multiple

2 piece Adjustable Grooving Sets



694.021 - 694.022

These tools are ideal for grooving and creating precise slots from 14mm (9/16") to 39mm (1-35/64") into depth. These sets include:

- 1 cutter head type A - Z2+V2.
- 1 cutter head type B - Z2+V2.
- 1 spacer ring kit.



TECHNICAL DETAILS:

- Super-strength hard aluminium alloy body.

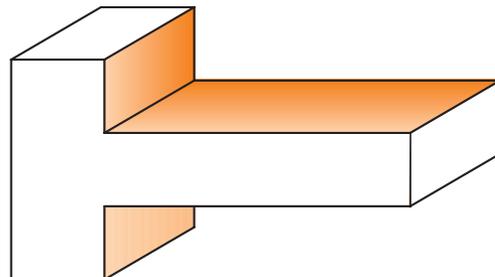
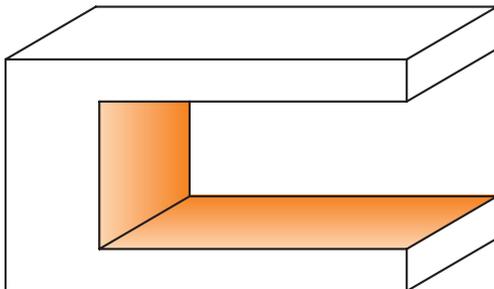
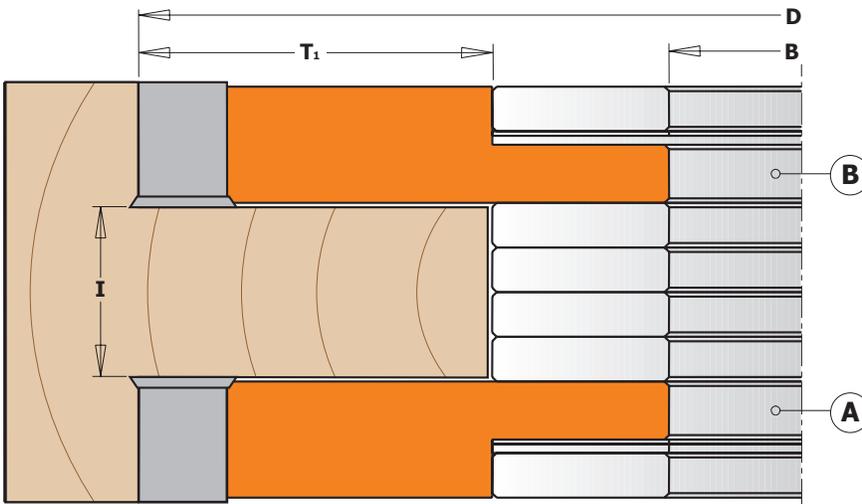
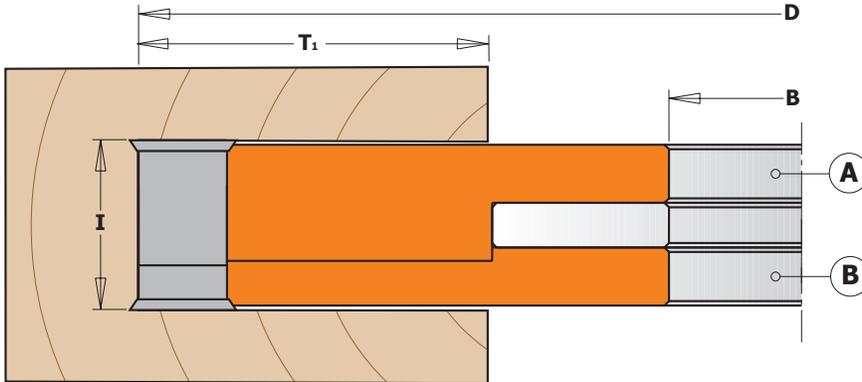
694.021

- 8 HWM knives 13.6x13.6x2mm.

694.022

- 4 HWM knives 19.5x12x1.5mm.
- 4 HWM scoring knives 14x14x2mm.
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

Supplied in a solid plastic box.

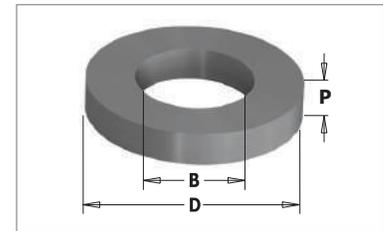


Drawings are 1:1 scale

299 Spacer Rings (Optional)

ORDER NO.	B inches	D inches	P inches
299.560.31	1-1/4	2-3/8	13/64

Ring for thickness above 9/16" (14mm)



ORDER NO.	PACK QTY.	D inches	D mm	B inches	B mm	I mm	T1 mm	Z	RPM
694.021.31	1	5-29/32	150	1-1/4	31.75	14-27	44	4+4	5000~8000
694.022.31	1	6-45/64	170	1-1/4	31.75	20-39	54	4+4	4400~7400

Spare parts



Spare parts
 991.072.00 Tox key T20
 991.073.00 Tox key T25

790.136.00, 790.140.00 and 790.195.12 are supplied in 10-piece pack or multiple

2 piece Adjustable Rounding & Chamfering Set



694.005

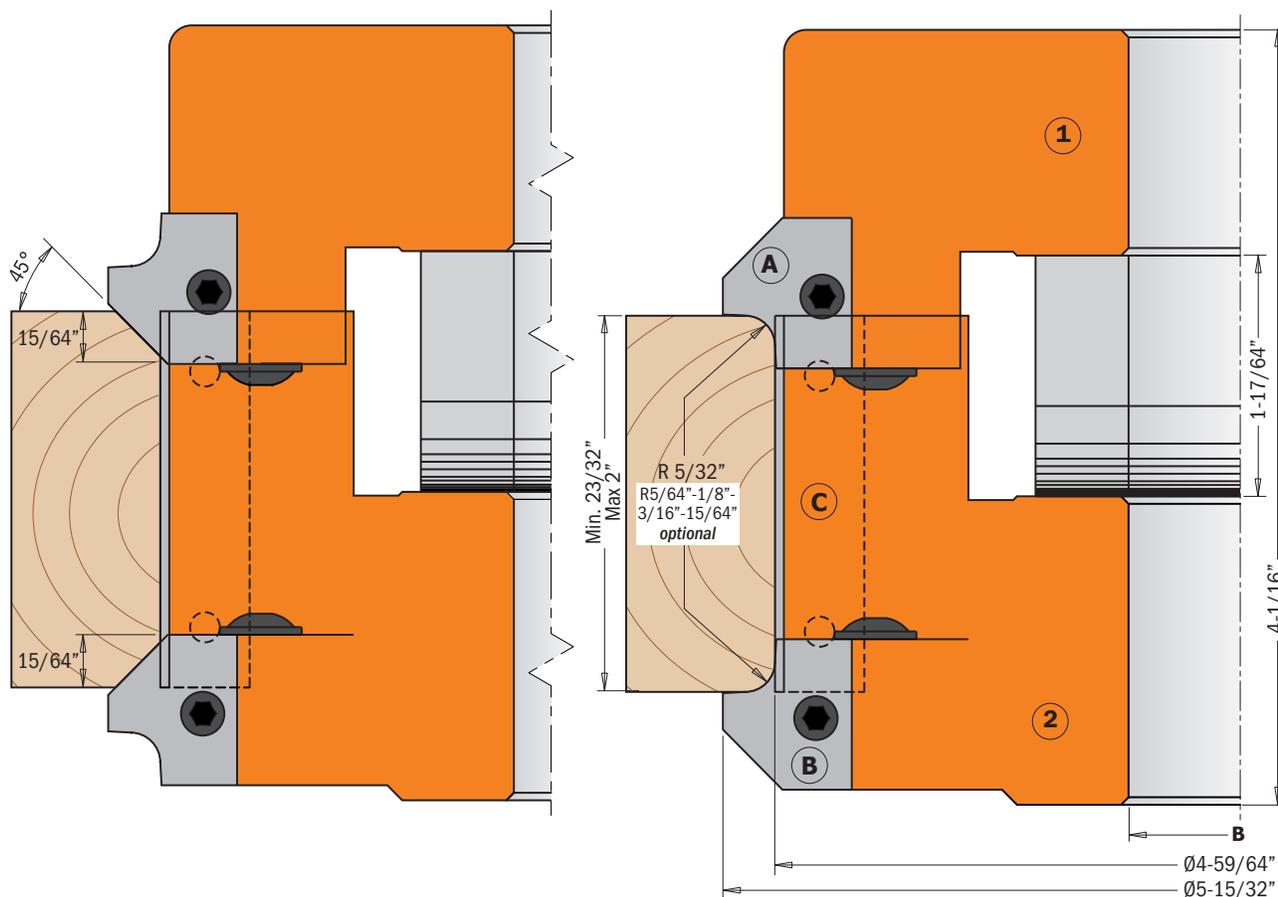
The CMT adjustable rounding and chamfering set is a two piece set which are easy to set up in your shaper. The system allows you to round over both top and bottom edges in one pass with a radius of 5/64", 1/8", 5/32", 3/16" and 15/64" and it allows 45° chamfering in material from 18mm to 50mm thick. The improved design with shear angle guarantees a perfect finish.

TECHNICAL DETAILS:

- Heavy duty aluminum alloy body.
- One pair of solid carbide top knives radius 5/32" and 45° chamfer (20x20.5x2mm) [Z2].
- One pair of solid carbide bottom knives radius 5/32" and 45° chamfer (20x20.5x2mm) [Z2].
- 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.



Supplied in a solid plastic box.



ORDER NO.	PACK QTY.	D		B		T	RPM	Spare parts			
		inches	mm	inches	mm						
694.005.31	1	5-15/32	139	1-1/4	31.75	2+2	5500~9400	695.999.17	695.999.46	990.064.00	695.998.12

ORDER NO.	DESCRIPTION	ORDER NO.	DESCRIPTION
695.005.A2	Pair of knives for roundover/chamfer (top) R=5/64"+45°	695.005.B2	Pair of knives for roundover/chamfer (bottom) R=5/64"+45°
695.005.A3	Pair of knives for roundover/chamfer (top) R=1/8"+45°	695.005.B3	Pair of knives for roundover/chamfer (bottom) R=1/8"+45°
695.005.A4	Pair of knives for roundover/chamfer (top) R=5/32"+45°	695.005.B4	Pair of knives for roundover/chamfer (bottom) R=5/32"+45°
695.005.A5	Pair of knives for roundover/chamfer (top) R=3/16"+45°	695.005.B5	Pair of knives for roundover/chamfer (bottom) R=3/16"+45°
695.005.A6	Pair of knives for roundover/chamfer (top) R=15/64"+45°	695.005.B6	Pair of knives for roundover/chamfer (bottom) R=15/64"+45°
		790.500.00	Knives 50x12x1.5mm
		991.064.00	Hex key 4mm
		991.067.00	Hex key 3mm

45° Chamfer Cutter Head



694.002

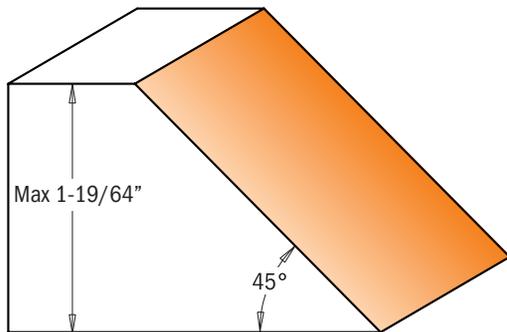
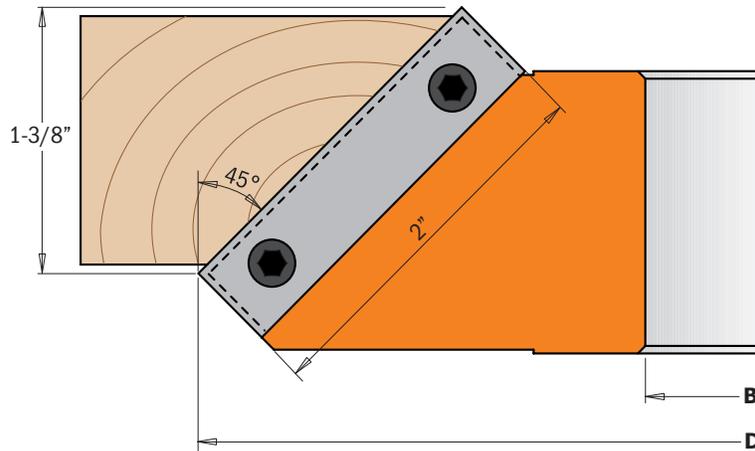


CMT Chamfer cutter head cuts clean, accurate bevels, chamfers and joints that are great for edge work. Excellent results in most materials but ideal on solid wood, veneer board and laminated materials.

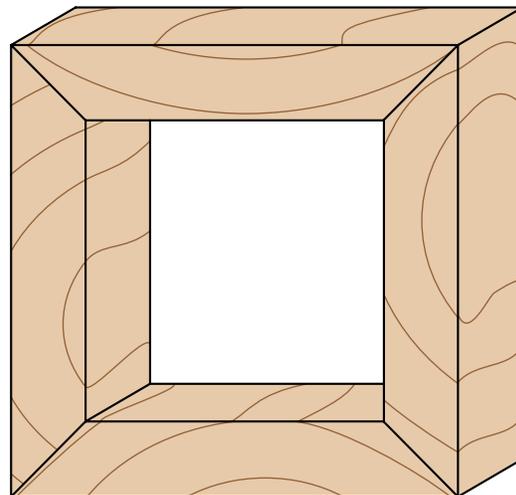
TECHNICAL DETAILS:

- Heavy duty aluminum alloy body.
- 2 solid carbide knives 50x12x1.5mm [Z2].
- Tools for manual feed MAN.
- Pins for the automatic positioning of the knives.

Supplied in a solid plastic box.



Drawings are 1:1 scale



ORDER NO.		D		B		T	RPM	Spare parts			
		inches	mm	inches	mm						
694.002.31	1	5-29/32	150	1-1/4	31.75	2	5100~8800	790.500.00	695.999.42	990.064.00	991.064.00

790.500.00 are supplied in 10-piece pack or multiple

Multiradius Roundover Cutter Head



694.004

Innovative cutter head supporting two different knives making four radius roundover profiles. The standard cutter head is delivered with 2 knives, one holding a radius of 19/32" and the other a radius of 25/32"; one more knife set is available to make a radius of 15/32"-23/32". Excellent results in most materials but ideal on solid wood and coated and uncoated man made materials.



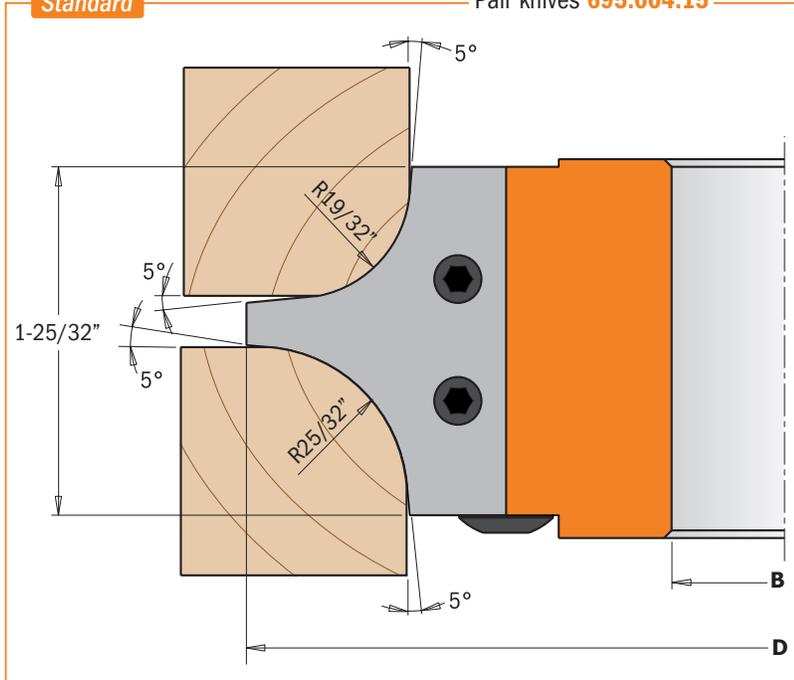
TECHNICAL DETAILS:

- Heavy duty aluminum alloy body.
- 2 solid carbide knives radius 19/32"-25/32" (45x34.5x2mm) [Z2].
- Tools for manual feed MAN.
- Pins for the automatic positioning of the knives.

Supplied in a solid plastic box.

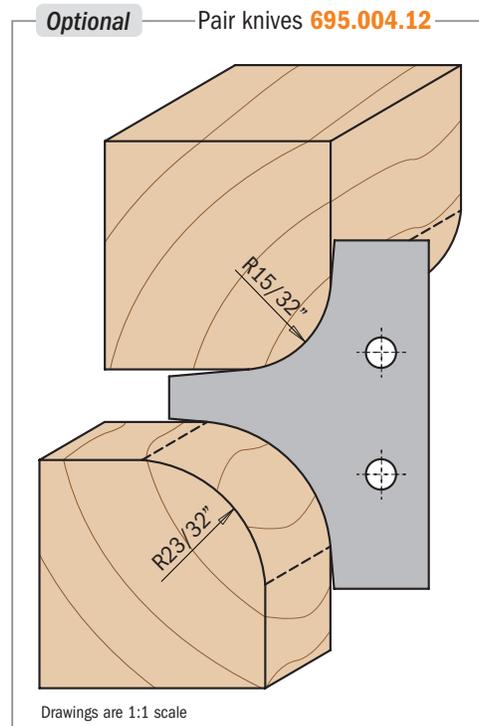
Standard

Pair knives **695.004.15**



Optional

Pair knives **695.004.12**



ORDER NO.		D		B		T	RPM	Spare parts			
		inches	mm	inches	mm						
694.004.31	1	5-13/64	132	1-1/4	31.75	2	5700-9500	x2			
694.004.15											
695.999.42											
990.064.00											
991.064.00											

Optional **695.004.12** Pair of profiled knives R=15/32" and 23/32" (45x34.5x2mm)

Multiradius Roundover Cutter Head



694.003

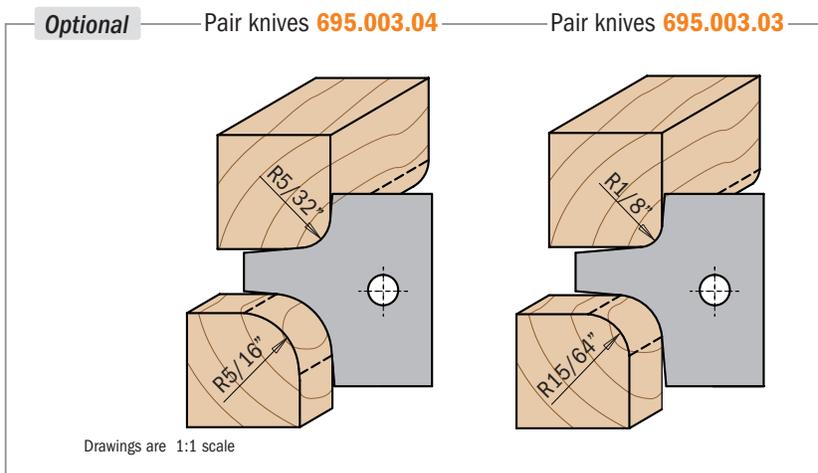
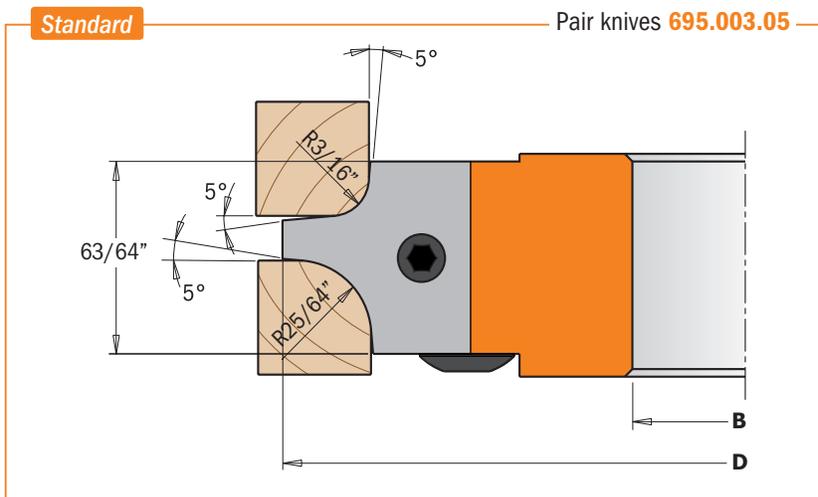
Innovative cutter head supporting three different knives making six radius roundover profiles. The standard cutter head is delivered with knives with a radius of 3/16" and 25/64"; two more knife sets are available to make radius 5/32"-5/16" and 1/8"-15/64". Perfect in all materials, but ideal on solid woods and panel materials.



TECHNICAL DETAILS:

- Heavy duty aluminum alloy body.
- 2 solid carbide knives radius 3/16"-25/64" (25x24.8x2mm) [Z2].
- Tools for manual feed MAN.
- Pins for the automatic positioning of the knives.

Supplied in a solid plastic box.



ORDER NO.	1	D		B		T	RPM	Spare parts			
		inches	mm	inches	mm			✚ x2	📦	🌀	🔧
694.003.31	1	4-29/64	113	1-1/4	31.75	2	6700~11000	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)

Roundover & Cove Cutter Head



694.007

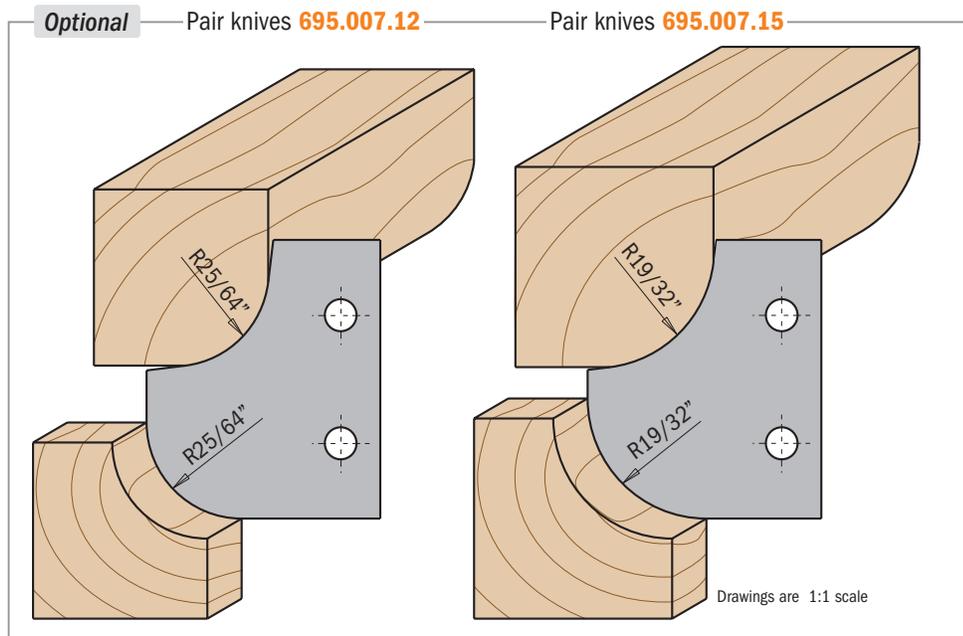
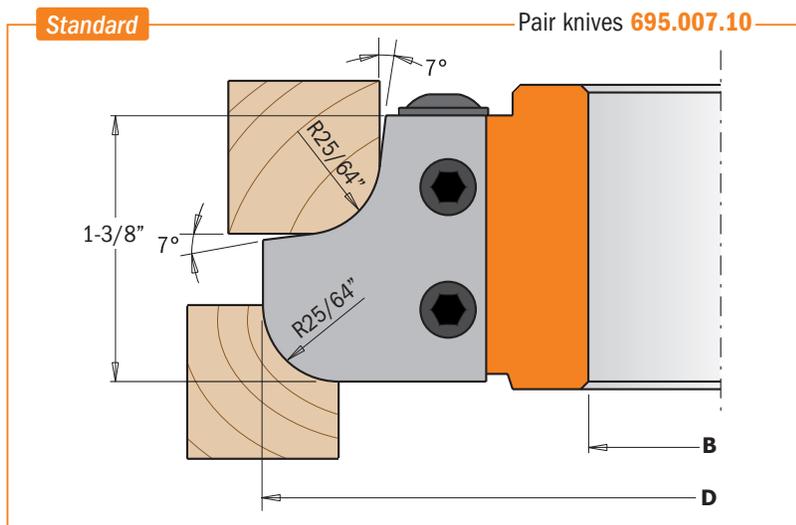


This cutter head is the perfect tool to make furniture, doors, and drawer fronts that go from simple to elegant by giving them a final touch with a CMT cove bit. Use together with roundover profile and construct perfectly fitting rule joints that are ideal for drop leaf counter and table tops. It supports three different knives making roundover and cove profiles radius 25/64", 15/32" and 19/32". To be used in your spindle moulder machines, double-end tenoners and shapers machines. Perfect in all materials, but ideal on solid woods and panel materials.

TECHNICAL DETAILS:

- Heavy duty aluminum alloy body.
- 2 solid carbide knives radius 25/64" (34.8x29.3x2mm) [Z2].
- Tools for manual feed MAN.
- Pins for the automatic positioning of the knives.

Supplied in a solid plastic box.



ORDER NO.	Box Icon	D		B		T	RPM	Spare parts			
		inches	mm	inches	mm			Knives (x2)	Carbide Insert	Pin	Hex Key
694.007.31	1	4-3/4	121	1-1/4	31.75	2	6300~10500	695.007.10	695.999.31	990.064.00	991.064.00

Optional
 695.007.12 Pair of knives roundover/cove R=25/64" (34.8x29.3x2mm)
 695.007.15 Pair of knives roundover/cove R=19/32" (34.8x29.3x2mm)

Reverse Glue Joint Cutter Head



694.009

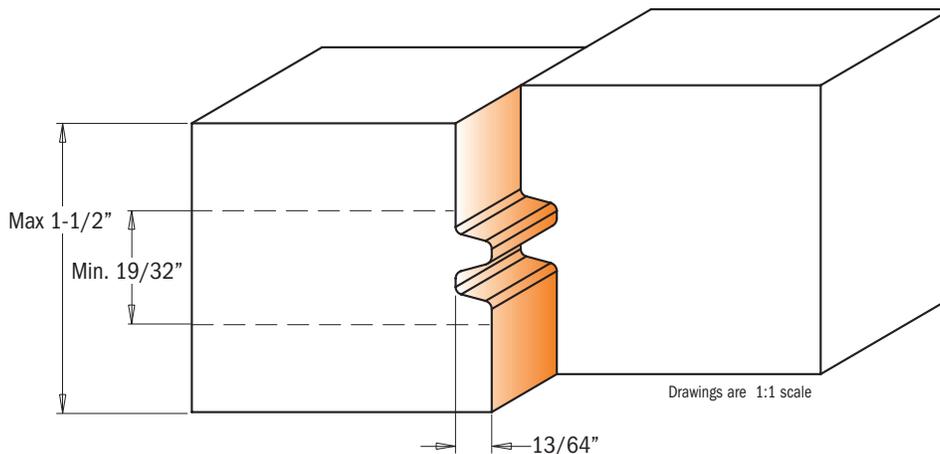
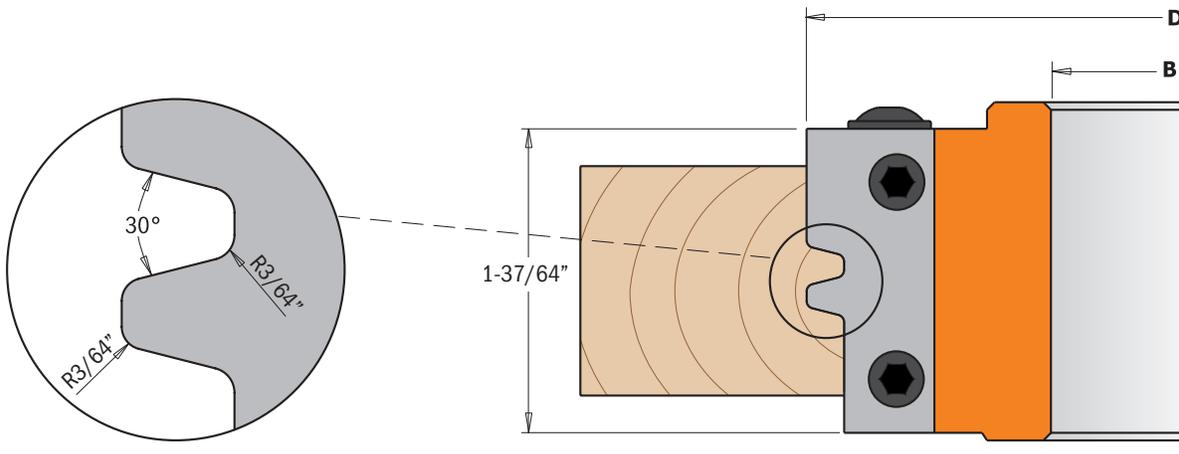
The most unique and important feature of this CMT cutter head is its capacity to produce an almost indestructible glue joint quickly and without error. Ideal for shaping wide dimension panels, doors and furniture pieces. By accurately centering the cutter head to the wood, the upper and lower vertical cutting edges will cut equal proportions. Simply run one edge of the panel, turn the panel over, and then run the opposite edge - you will produce perfectly harmonized reverse cuts that match up to make flawless joints. Excellent results in most materials but ideal on solid wood and coated/uncoated man made materials.



TECHNICAL DETAILS:

- Heavy duty aluminum alloy body.
- 2 solid carbide knives 40x18x2mm [Z2].
- Tools for manual feed MAN.
- Pins for the automatic positioning of the knives.

Supplied in a solid plastic box.



ORDER NO.		D		B		T	RPM	Spare parts			
		inches	mm	inches	mm			x2			
694.009.31	1	4	100	1-1/4	31.75	2	7500~12500	695.009.01	695.999.38	990.064.00	991.064.00

45° Lock Miter Cutter Head



694.011



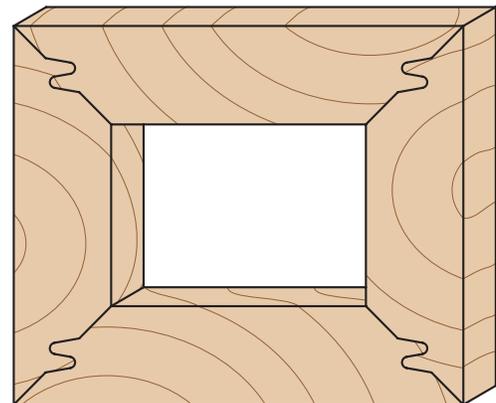
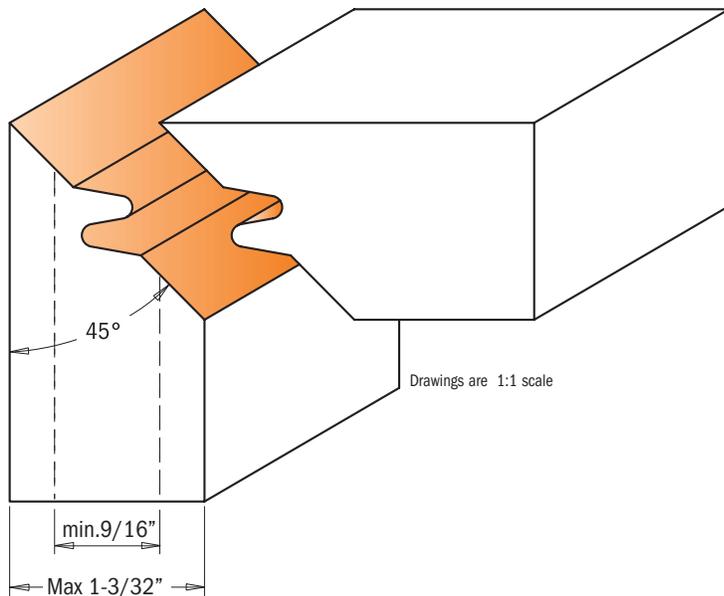
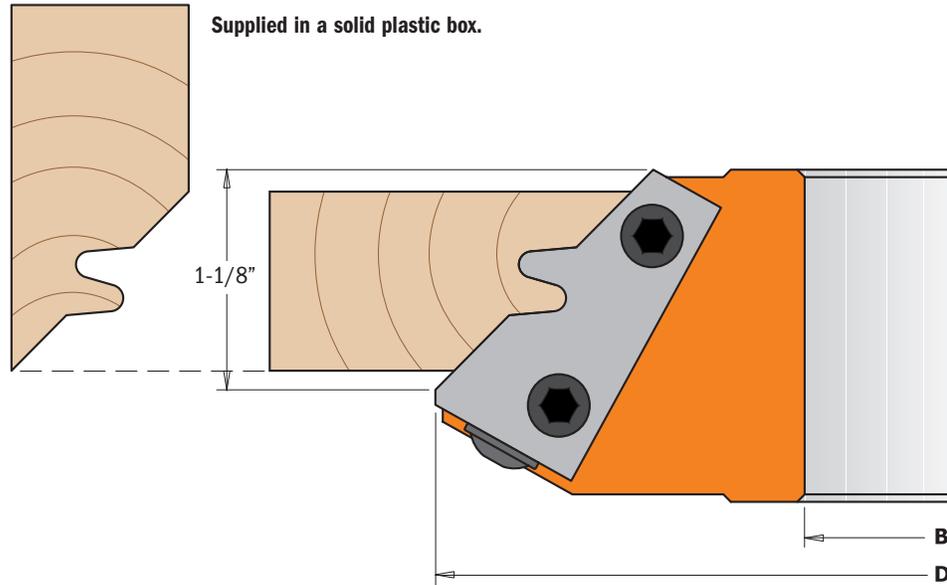
CMT lock miter cutter head bits are ideal for milling miter joints in max 1" stock. The quick and easy way to accurately create boxes, stretcher bars, frames and any assortment of right angle or parallel joint projects. The lock miter cutter head produces perfectly fitting 45° degree miter joints in two steps. First, make the cut with the workpiece in the horizontal position then make the cut with the workpiece in the vertical position. By cutting boards in the horizontal position - first with the inside face down and then with the inside face up - you can mill rock solid parallel glue joints.

Excellent results in most materials but ideal in solid wood and in coated and uncoated man made materials.

TECHNICAL DETAILS:

- Heavy duty aluminum alloy body.
- 2 solid carbide knives 40x18x2mm [Z2].
- Tools for manual feed MAN.
- Pins for the automatic positioning of the knives.

Supplied in a solid plastic box.



ORDER NO.		D		B		T	RPM	Spare parts			
		inches	mm	inches	mm			x2			
694.011.31	1	5-1/2	140	1-1/4	31.75	2	5500~9500	695.011.01	695.999.42	990.064.00	991.064.00

Professional Finger Joint Cutter Head



694.008

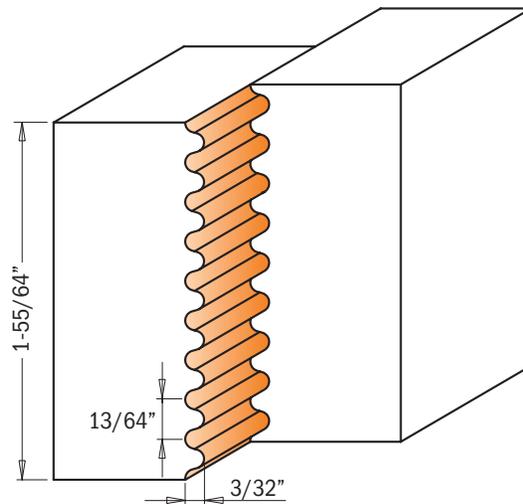
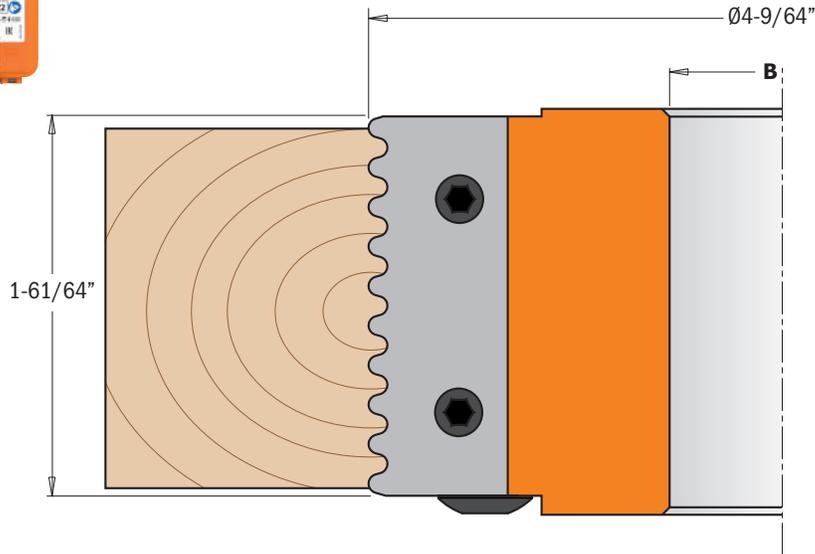


The professional CMT finger joint cutter head lets you make one of the most incredibly strong side-to-side joints in all wood and wood composites. The tightness of the accurately cut joint coupled with the maximum glue surface create a joint that is actually stronger than an unworked piece of wood, in stock with max thickness of 1-7/8". Ideal for molding manufacturers and furniture makers. Excellent results in most materials but ideal on solid wood and coated/uncoated man made material.

TECHNICAL DETAILS:

- Heavy duty aluminum alloy body.
- 2 solid carbide knives 49.6x11.9x1.5mm [Z2].
- Tools for manual feed MAN.
- Pins for the automatic positioning of the knives.

Supplied in a solid plastic box.



Drawings are 1:1 scale

ORDER NO.		inches	D	mm	inches	B	mm	T	RPM	Spare parts
694.008.31	1	4-9/64	105	1-1/4	31.75	2	7300~11500	x2 695.008.01 695.999.49 990.066.00 991.067.00		

Optional 695.998.2631 Guide ring with bore 1-1/4"



694.013

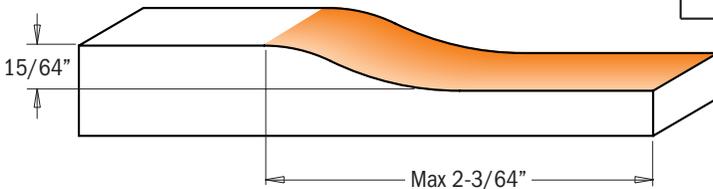
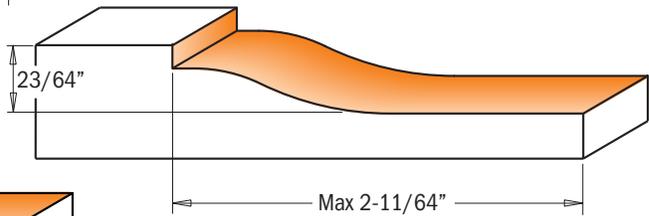
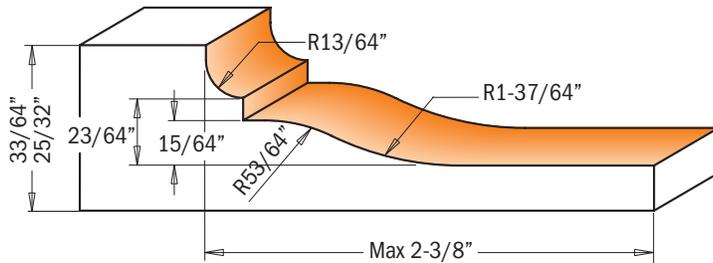
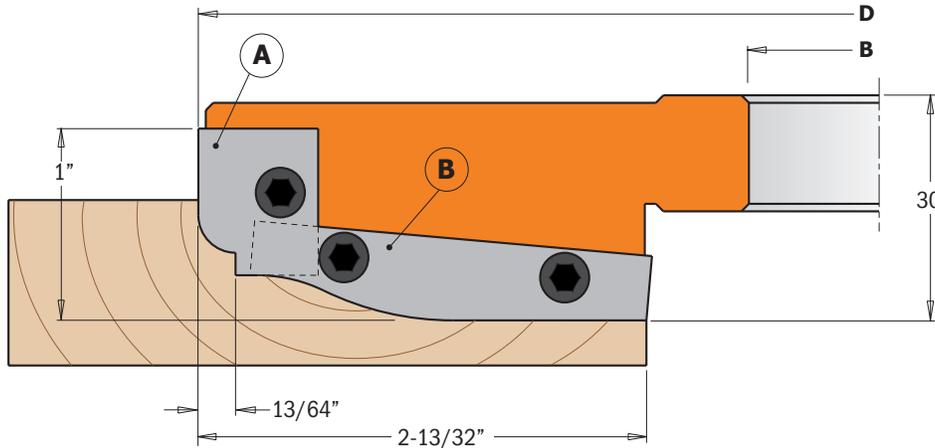


We offer you the traditional approach to panel construction with the CMT raised panel cutter head. Make your classic raised panels on furniture, interior and cabinet doors in solid wood and wooden boards, obtaining three different profiles by adjusting the cutting depth. Multiple passes are recommended to safely and accurately obtain the perfect finish. Excellent results in most materials but ideal for soft/hard wood and wooden veneer board.

TECHNICAL DETAILS:

- Heavy duty aluminum alloy body.
- 2 solid carbide Knives type (A) 19.8x11.9x1.5mm [Z2].
- 2 solid carbide Knives type (B) 60x11.9x1.5mm [Z2].
- Tools for manual feed MAN.
- Pins for the automatic positioning of the knives.

Supplied in a solid plastic box.



Drawings are 1:1 scale

ORDER NO.	Box Icon	D		B		T	RPM	Spare parts							
		inches	mm	inches	mm			Icon	Quantity	Icon	Quantity	Icon	Quantity		
694.013.31	1	7-13/64	183	1-1/4	31.75	2	4100~7000	Icon	x2	Icon	16x11x9,5mm	Icon	x2	Icon	53x11x9,5mm
								695.013.A1		695.999.16		695.013.A2		695.999.53	

Spare parts
 990.066.00 Screw M6x16mm
 991.083.00 Hex key 3x95mm

Profiles & Counter Profiles Set



694.015



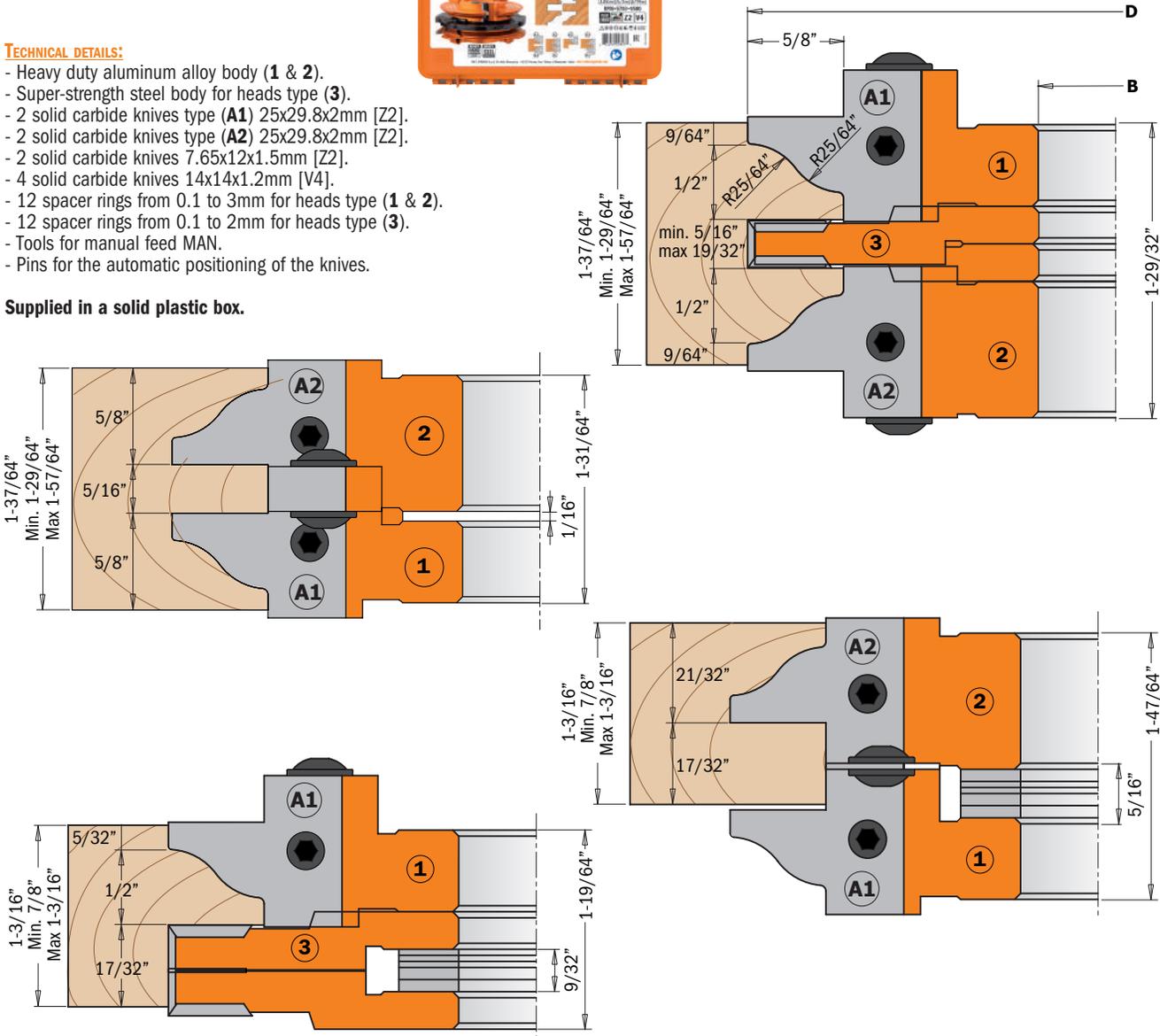
The set has been designed to produce furniture and room doors in soft and hard wood. It offers the versatility to mount five different knives producing the most popular classical profiles. The adjustable groover included in the set can also be used individually for carrying out 5/16" to 19/32" thick adjustable grooves. Perfect for solid woods and panel materials in max 48mm stock.



TECHNICAL DETAILS:

- Heavy duty aluminum alloy body (1 & 2).
- Super-strength steel body for heads type (3).
- 2 solid carbide knives type (A1) 25x29.8x2mm [Z2].
- 2 solid carbide knives type (A2) 25x29.8x2mm [Z2].
- 2 solid carbide knives 7.65x12x1.5mm [Z2].
- 4 solid carbide knives 14x14x1.2mm [V4].
- 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 solid plastic box.



ORDER NO.		D	B	T	RPM	Spare parts		
		inches	mm	inches	mm			
694.015.31	1	5-13/64	132	1-1/4	31.75	2+2	5700-9500	695.998.02 695.998.22 695.998.31

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)

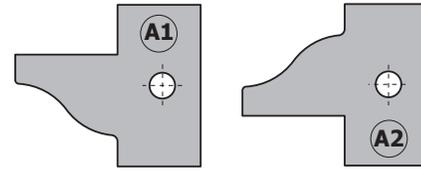
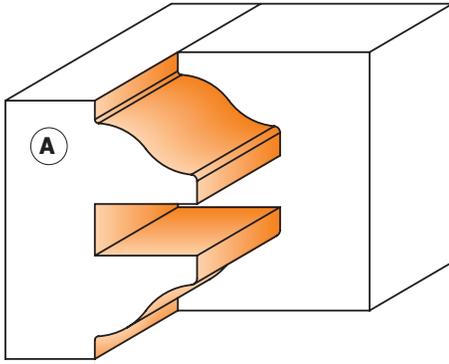
- 695.015.A2 Pair of knives solid carbide A2 25x29.8x2mm
- 695.015.B2 Pair of knives solid carbide B2 25x29.8x2mm
- 695.015.C2 Pair of knives solid carbide C2 25x29.8x2mm
- 695.015.D2 Pair of knives solid carbide D2 25x29.8x2mm
- 695.015.E2 Pair of knives solid carbide E2 25x29.8x2mm
- 695.999.24 Wedge 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
- 790.140.00 Solid carbide Knives 14x14x2mm
- 990.080.00 Screw M5x6.5mm
- 991.073.00 Hex key T25

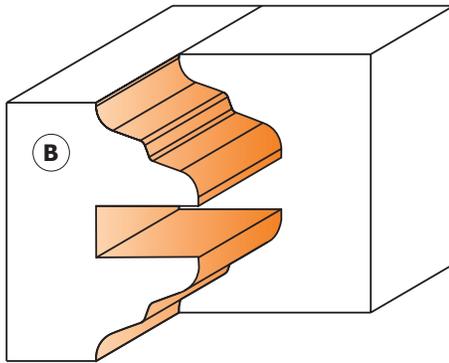
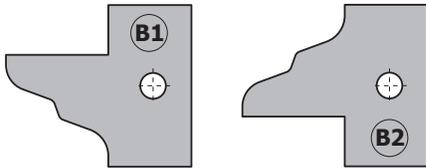
Standard

Pair knives **695.015.A1**
 Pair knives **695.015.A2**

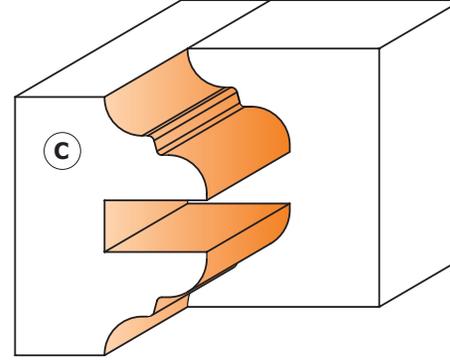
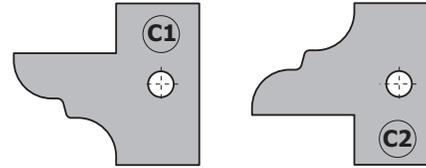


Optional

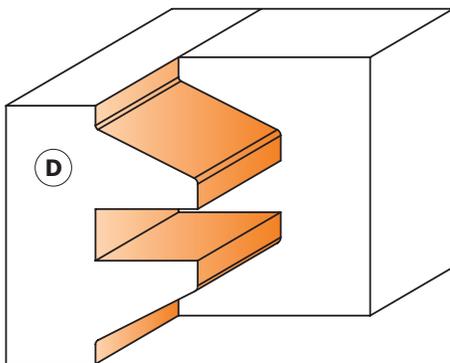
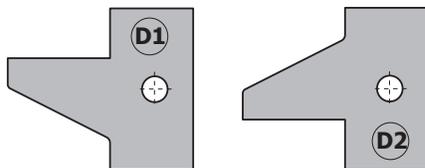
Pair knives **695.015.B1**
 Pair knives **695.015.B2**



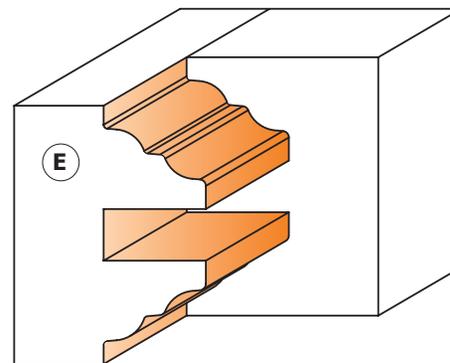
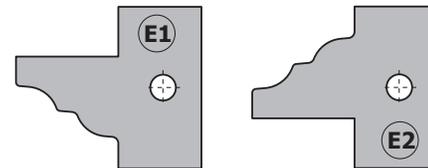
Pair knives **695.015.C1**
 Pair knives **695.015.C2**



Pair knives **695.015.D1**
 Pair knives **695.015.D2**



Pair knives **695.015.E1**
 Pair knives **695.015.E2**



1 piece Rail & Stile Cutter Head



694.014

This cutter head represents the union of two cutters in one tool and it is the ideal tool head for the construction of furniture doors and drawers. By simply adjusting the height of the head, you can cut two perfectly joining profiles with no wasted time or effort. There is no need to move the fence or change the tool! Save money and have a more efficient production by investing in a single cutter head to produce stiles and rails. This is a perfect tool for solid wood and veneer panels for materials between 22mm and 25mm.



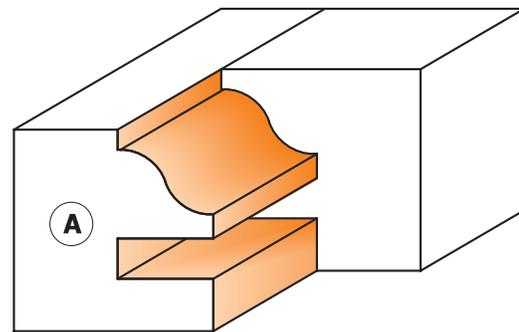
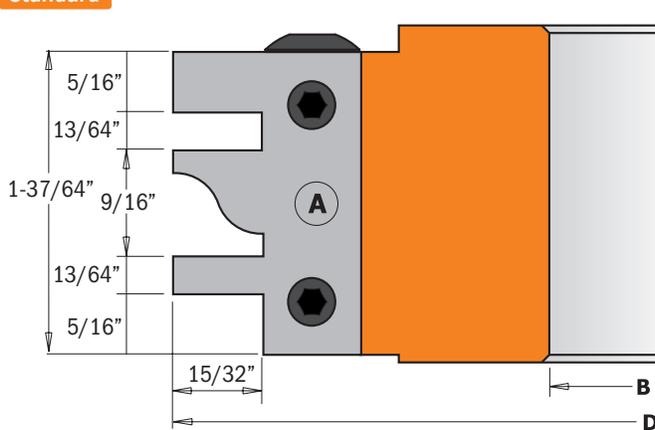
TECHNICAL DETAILS:

- Heavy duty aluminum alloy body.
- 2 solid carbide Knives type (A) 40x24.5x2mm [Z2].
- Tools for manual feed MAN.
- Pins for the automatic positioning of the knives.

Supplied in a solid plastic box.

Standard

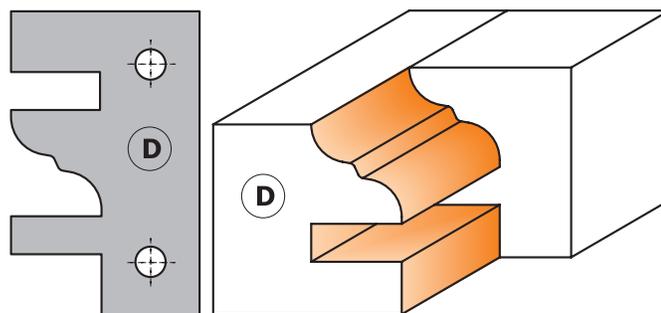
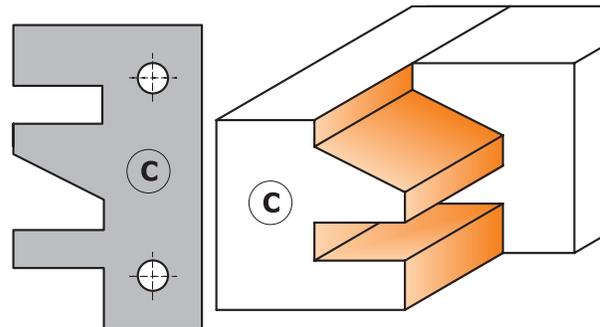
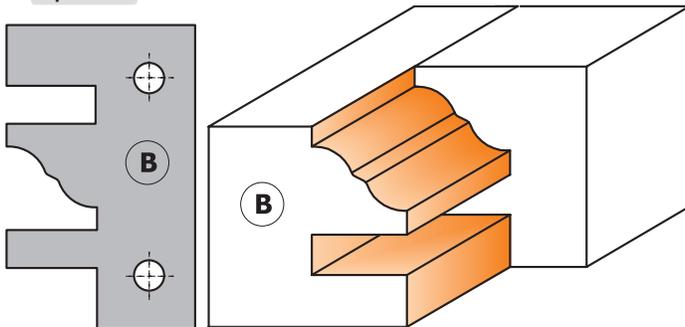
Pair knives 695.014A



Optional

Pair knives 695.014B

Pair knives 695.014C



Drawings are 1:1 scale

Pair knives 695.014D

ORDER NO.	Box	D		B		T	RPM	Spare parts			
		inches	mm	inches	mm			695.014A	695.999.39	990.066.00	991.067.00
694.014.31	1	4-23/32	120	1-1/4	31.75	2	6400~10500	x2			

Optional	Part No.	Description
	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



692

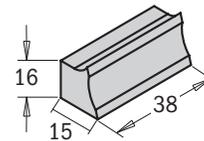
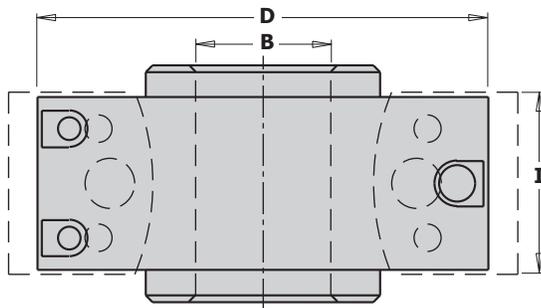


CMT's high quality shaper cutterheads are the versatile, easy-to-use and cost effective solution to shaper work. Precision milled from the finest high-strength aluminum, these cutterheads feature dual pins to locate knives quickly and hold them securely. This cutter head includes a pair of straight knives, and accepts every knife set shown on the following pages. Use these tools on all types of shaper and spindle molder machines.

TECHNICAL DETAILS:

- Heavy duty aluminum alloy body.
- Pair of universal straight knives.
- Tools for mechanical feed MEC.
- Pins for the automatic positioning of the knives and the limitors.
- Possibility to use knives with a height of 40mm or 50mm (order no. 690).

Solid plastic case to fit up to 12 pairs of knives or limitors.



ORDER NO.	Aluminum body	inches	D		B		I	RPM	Spare parts		
			mm	inches	mm	inches			692.999.01	990.064.00	991.064.00
692.078.19	1	3-1/8	78	3/4	19.05	37/64	7000~9000	692.999.01	990.064.00	991.064.00	
692.100.26	1	4	100	1	25.4	37/64 or 1-31/32	7000~9000	692.999.01	990.064.00	991.064.00	
692.100.31	1	4	100	1-1/4	31.75	37/64 or 1-31/32	5500~8400	692.999.01	990.064.00	991.064.00	

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

Cabinet & Joinery Set

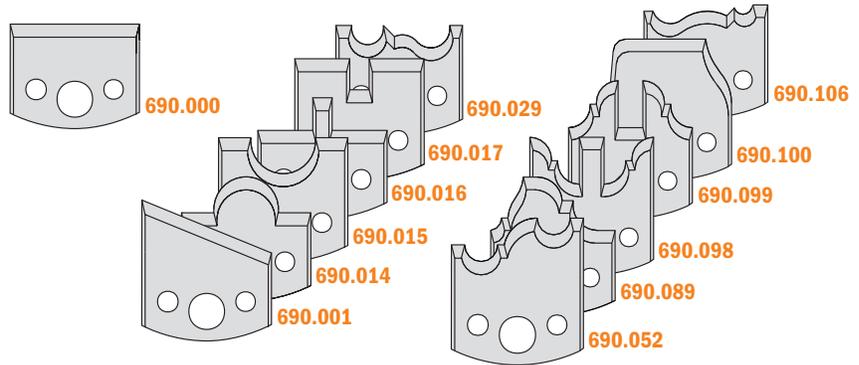


692

CMT's new Cabinet & Joinery Shaper Set includes 13 profiles that are ideal for the professional woodworker. Selected primarily to make joints and doors, the profiles include raised panel and rail and stile cutters, tongue & groove and cove & bead cutters; plus several beautiful molding profiles.

THE SET INCLUDES:

- Lightweight, aluminum alloy cutterhead.
- 13 pairs of M2 steel knives with 40mm cutting height.
- Molded plastic case.



ORDER NO.	Box	D		B		I	RPM	Spare parts		
		inches	mm	inches	mm			Block	Roller	Hex Key
692.013.09	1	3-1/8	78	3/4	19.05	1-37/64	7000~9000	692.999.01	990.064.00	991.064.00
692.013.10	1	4	100	1	25.4	1-37/64	5500~8400	692.999.01	990.064.00	991.064.00
692.013.11	1	4	100	1-1/4	31.75	1-37/64	5500~8400	692.999.01	990.064.00	991.064.00

Molding & Profile Set

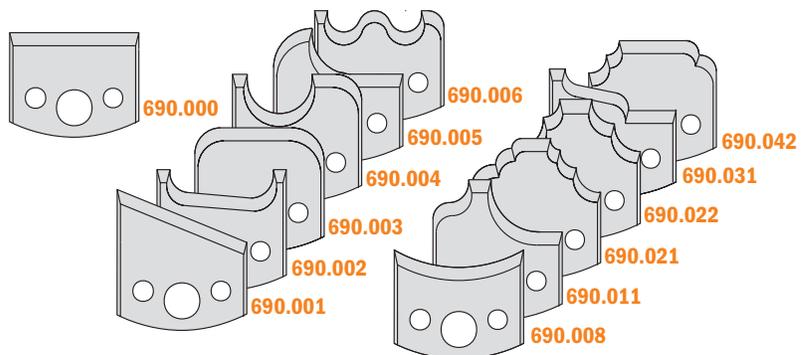


692

Our Molding and Profile Shaper Set includes 13 profiles that provide a great selection for almost any decorative molding need. The cutter head accepts any of the dozens of additional profiles listed on the following pages, so there's no limit to the shapes you can mill.

THE SET INCLUDES:

- Lightweight, aluminum alloy cutterhead.
- 13 pairs of M2 steel knives with 40mm cutting height.
- Molded plastic case.



ORDER NO.	Box	D		B		I	RPM	Spare parts		
		inches	mm	inches	mm			Block	Roller	Hex Key
692.013.12	1	3-1/8	78	3/4	19.05	1-37/64	7000~9000	692.999.01	990.064.00	991.064.00
692.013.13	1	4	100	1	25.4	1-37/64	5500~8400	692.999.01	990.064.00	991.064.00
692.013.14	1	4	100	1-1/4	31.75	1-37/64	5500~8400	692.999.01	990.064.00	991.064.00

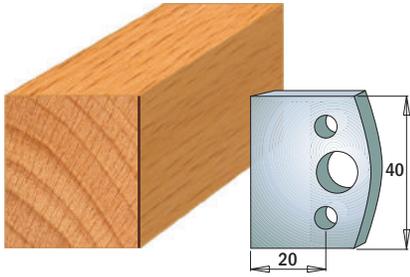
Profile Knives for Insert Shaper System

Cutting length=1-37/64" (40mm) - Thickness=5/32" (4mm)

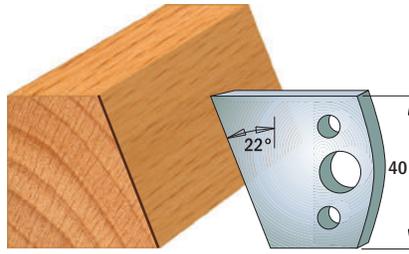
Pack Qty. 10



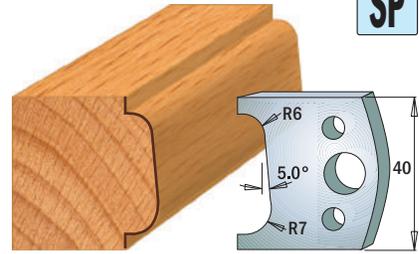
SP



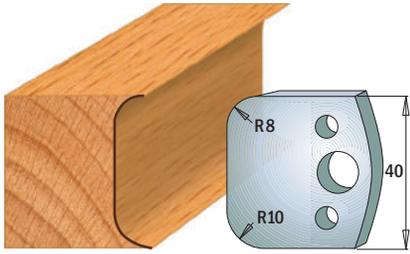
Pair of knives **690.000**



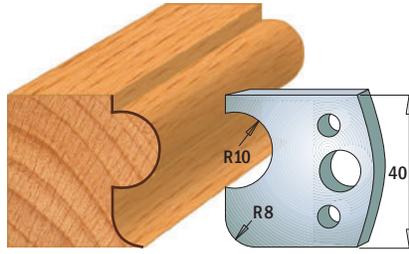
Pair of knives **690.001**



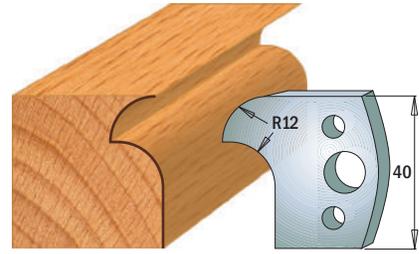
Pair of knives **690.002**



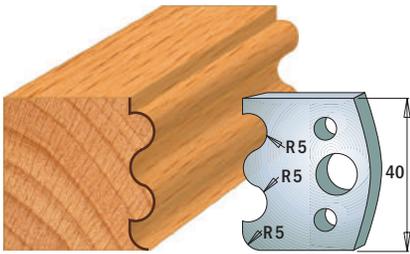
Pair of knives **690.003**



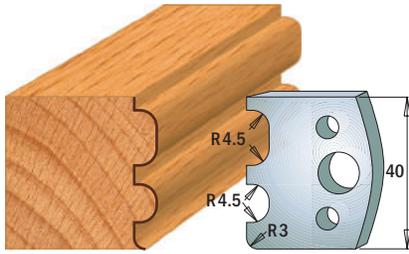
Pair of knives **690.004**



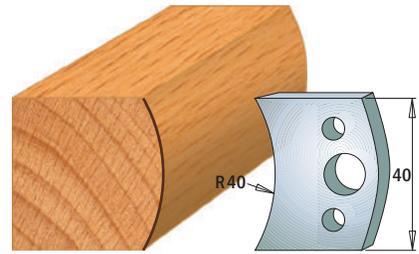
Pair of knives **690.005**



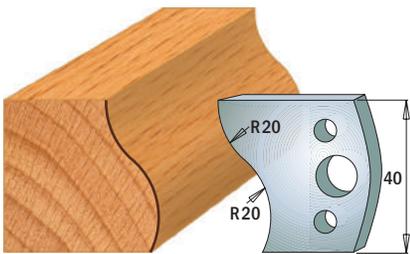
Pair of knives **690.006**



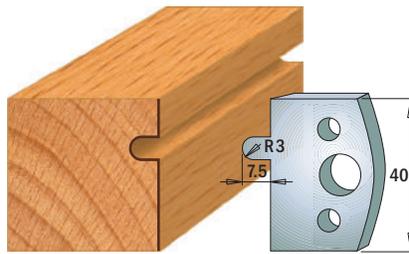
Pair of knives **690.007**



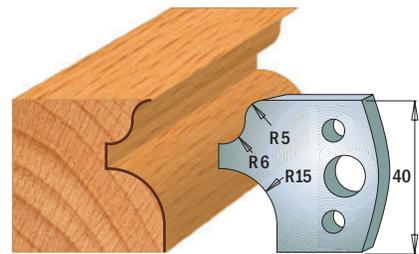
Pair of knives **690.008**



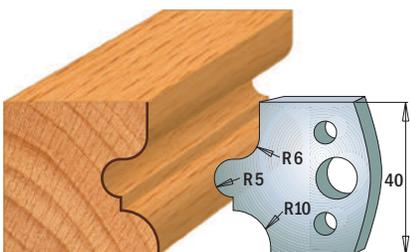
Pair of knives **690.009**



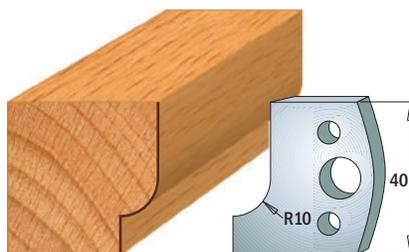
Pair of knives **690.010**



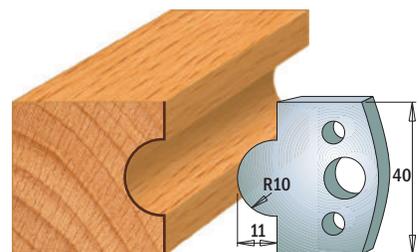
Pair of knives **690.011**



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.

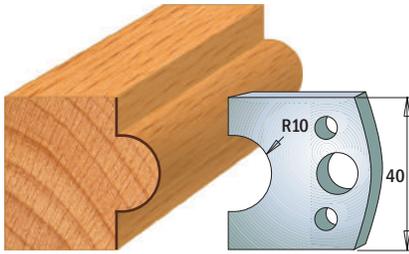
Profile Knives for Insert Shaper System

Cutting length=1-37/64" (40mm) - Thickness=5/32" (4mm)

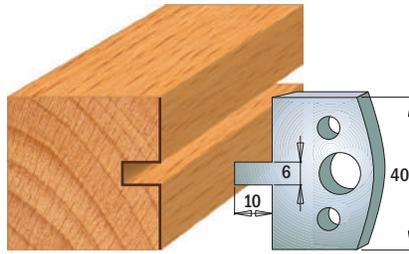
Pack Qty. 10



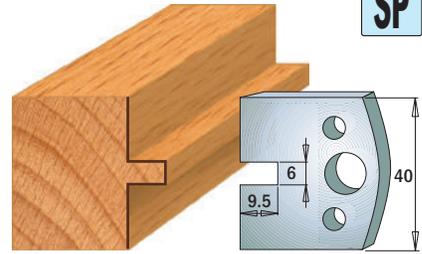
SP



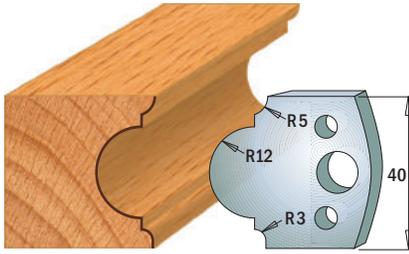
Pair of knives **690.015**



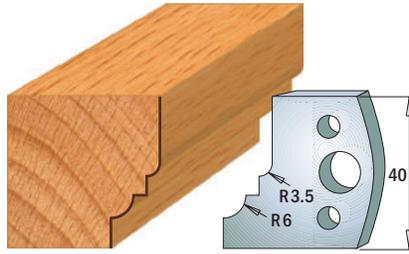
Pair of knives **690.016**



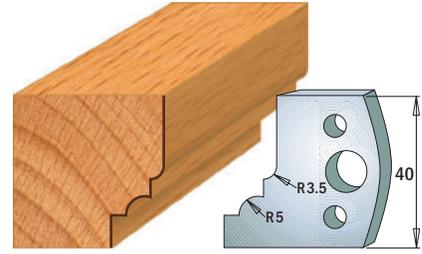
Pair of knives **690.017**



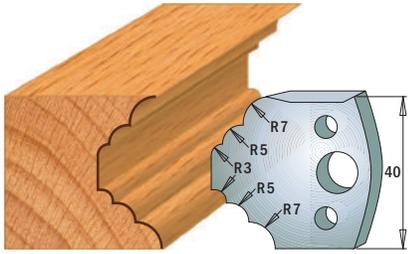
Pair of knives **690.018**



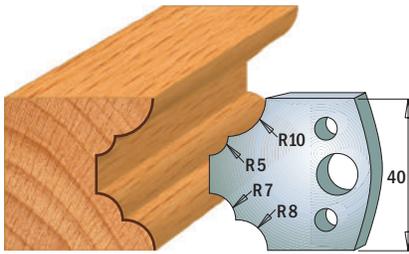
Pair of knives **690.019**



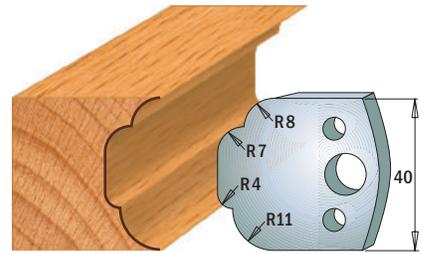
Pair of knives **690.020**



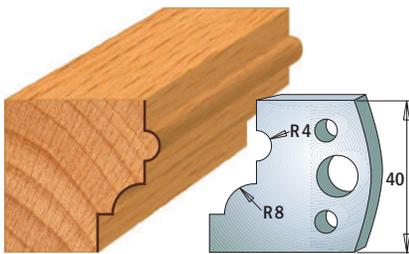
Pair of knives **690.021**



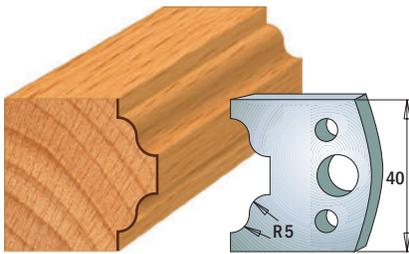
Pair of knives **690.022**



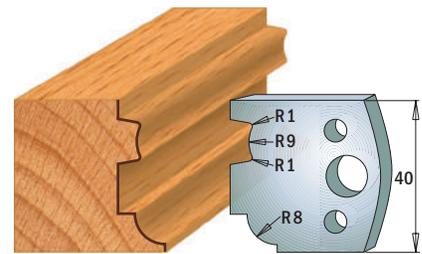
Pair of knives **690.023**



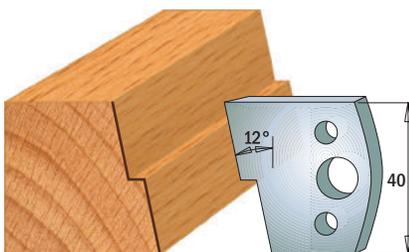
Pair of knives **690.024**



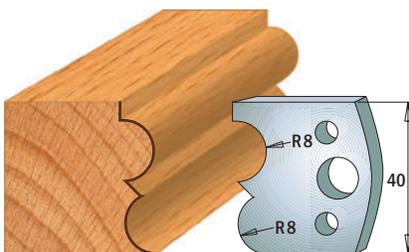
Pair of knives **690.025**



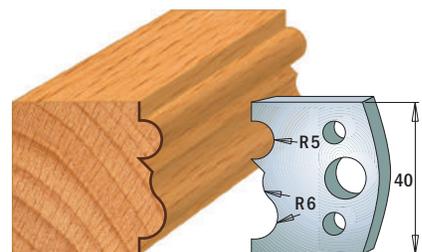
Pair of knives **690.026**



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.

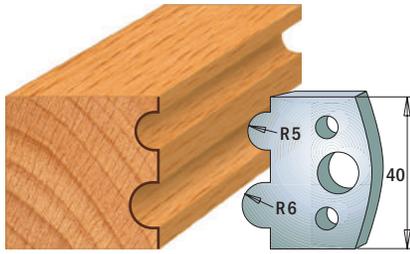
Profile Knives for Insert Shaper System

Cutting length=1-37/64" (40mm) - Thickness=5/32" (4mm)

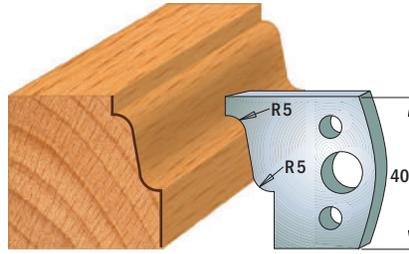
Pack Qty. 10



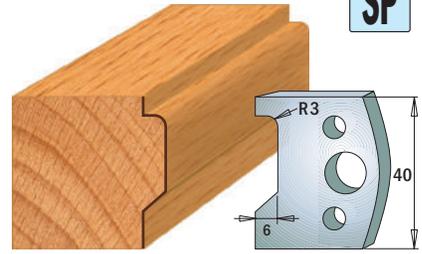
SP



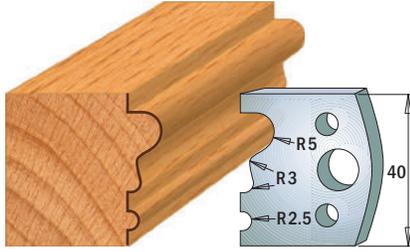
Pair of knives **690.030**



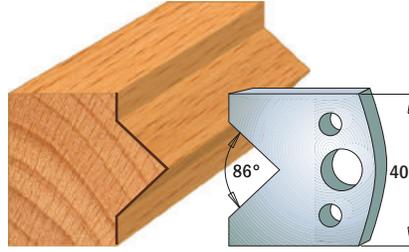
Pair of knives **690.031**



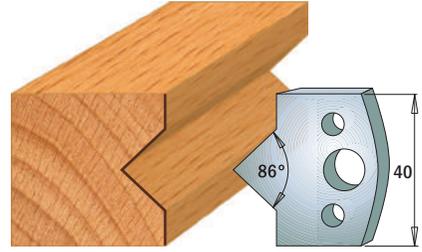
Pair of knives **690.032**



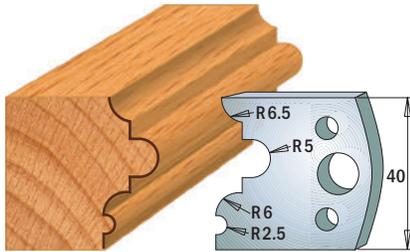
Pair of knives **690.033**



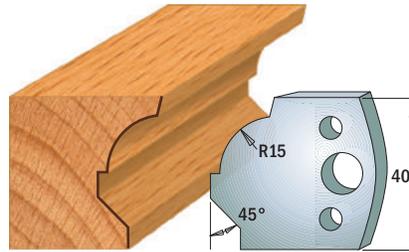
Pair of knives **690.034**



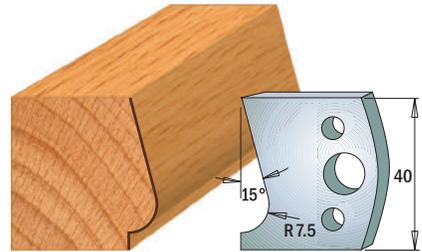
Pair of knives **690.035**



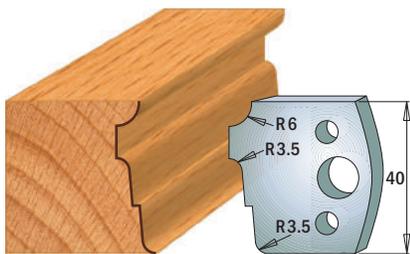
Pair of knives **690.036**



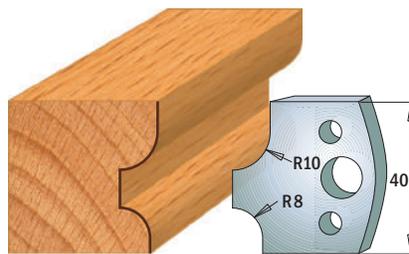
Pair of knives **690.037**



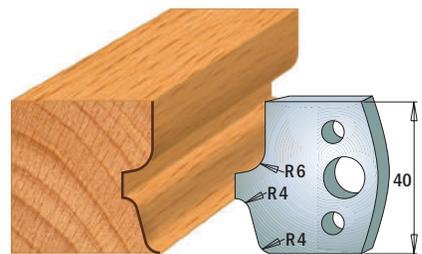
Pair of knives **690.038**



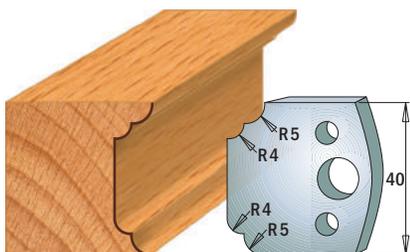
Pair of knives **690.039**



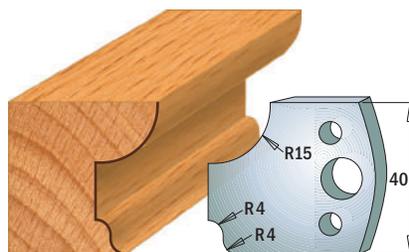
Pair of knives **690.040**



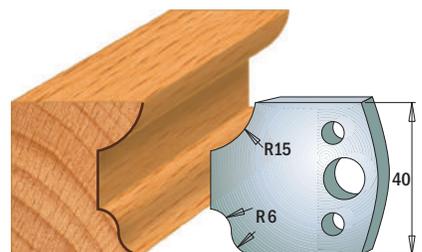
Pair of knives **690.041**



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.

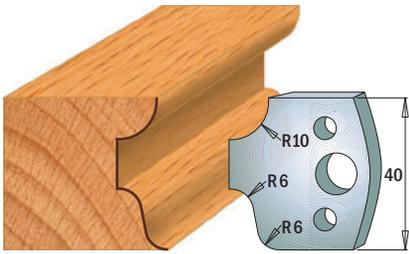
Profile Knives for Insert Shaper System

Cutting length=1-37/64" (40mm) - Thickness=5/32" (4mm)

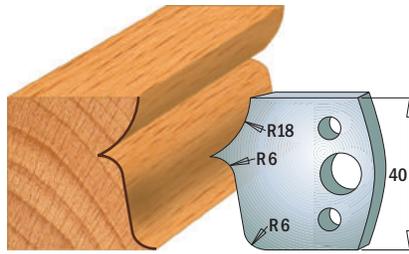
Pack Qty. 10



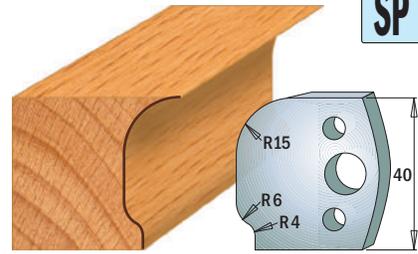
SP



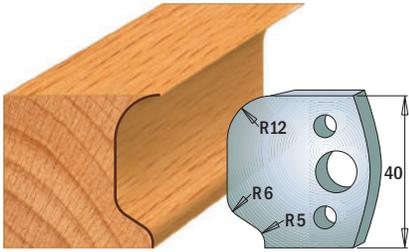
Pair of knives **690.045**



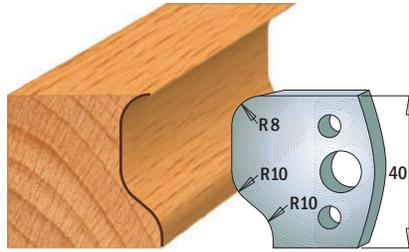
Pair of knives **690.046**



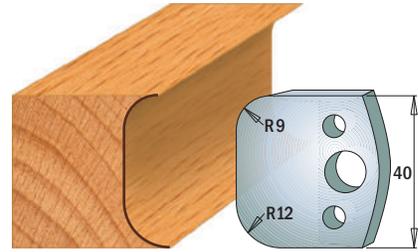
Pair of knives **690.047**



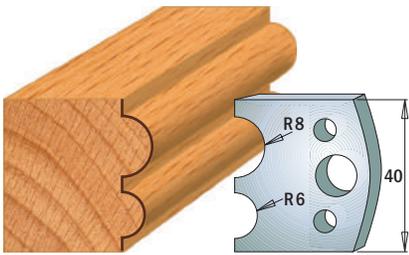
Pair of knives **690.048**



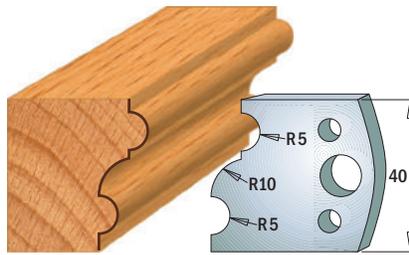
Pair of knives **690.049**



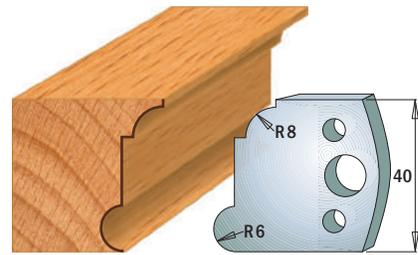
Pair of knives **690.050**



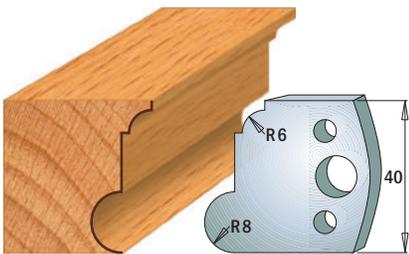
Pair of knives **690.051**



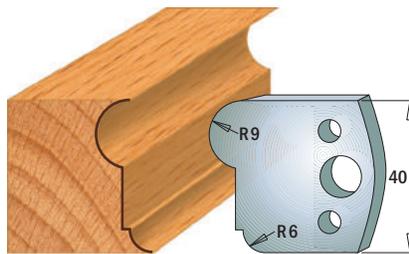
Pair of knives **690.052**



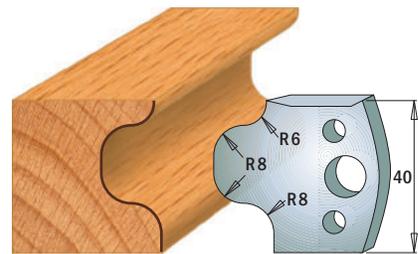
Pair of knives **690.053**



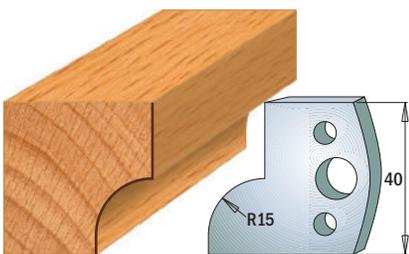
Pair of knives **690.054**



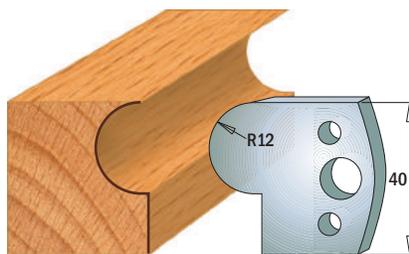
Pair of knives **690.055**



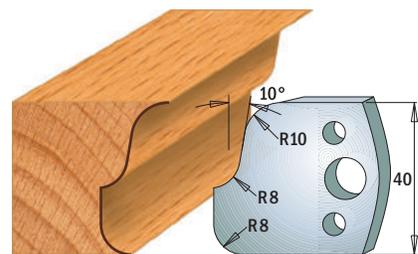
Pair of knives **690.056**



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.

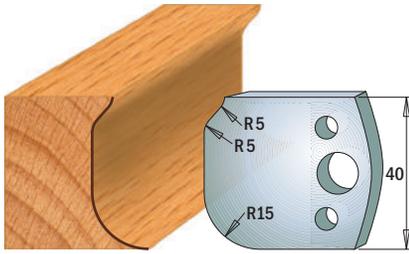
Profile Knives for Insert Shaper System

Cutting length=1-37/64" (40mm) - Thickness=5/32" (4mm)

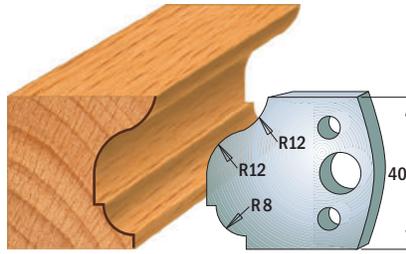
Pack Qty. 10



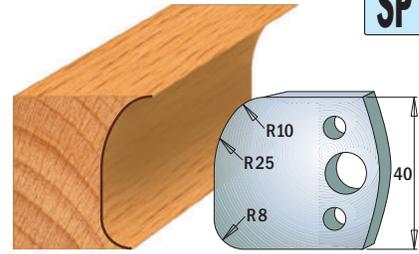
SP



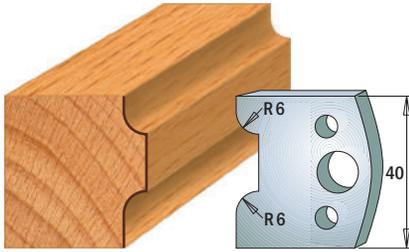
Pair of knives **690.060**



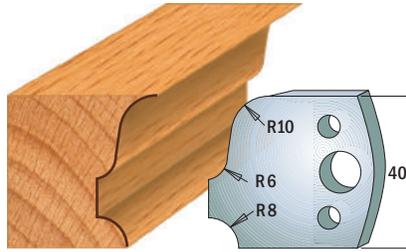
Pair of knives **690.061**



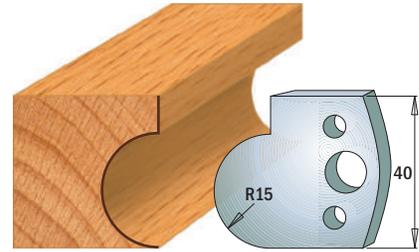
Pair of knives **690.062**



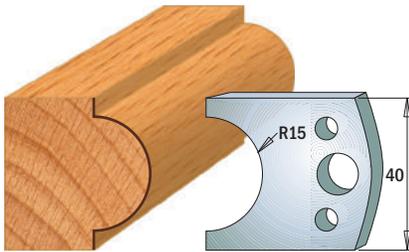
Pair of knives **690.063**



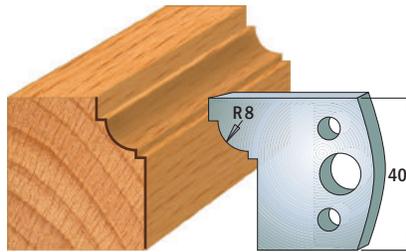
Pair of knives **690.064**



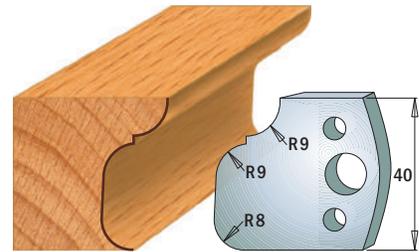
Pair of knives **690.065**



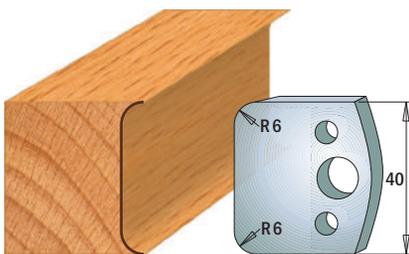
Pair of knives **690.066**



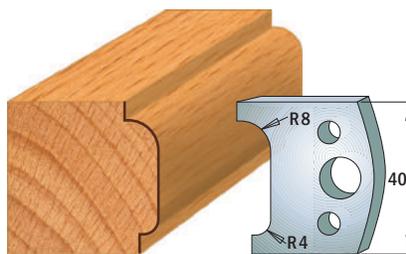
Pair of knives **690.067**



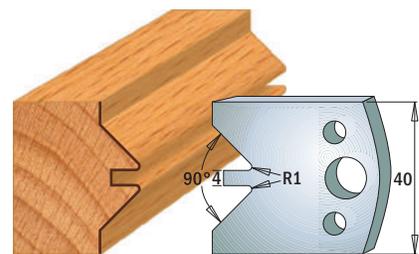
Pair of knives **690.068**



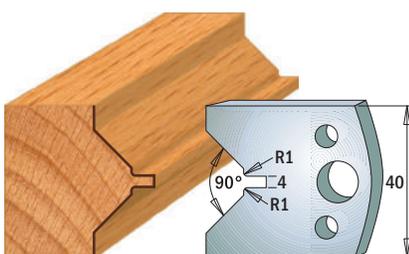
Pair of knives **690.069**



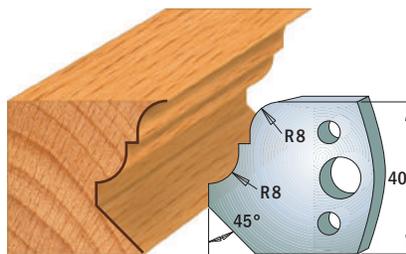
Pair of knives **690.070**



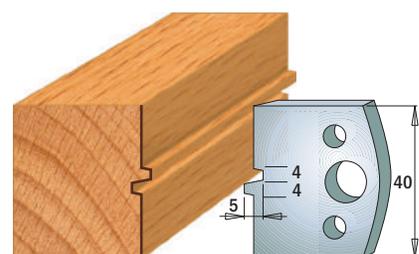
Pair of knives **690.071**



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.

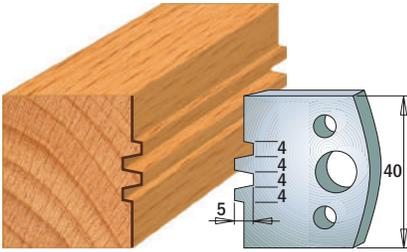
Profile Knives for Insert Shaper System

Cutting length=1-37/64" (40mm) - Thickness=5/32" (4mm)

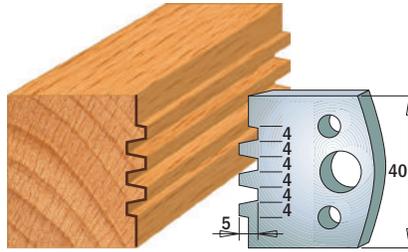
Pack Qty. 10



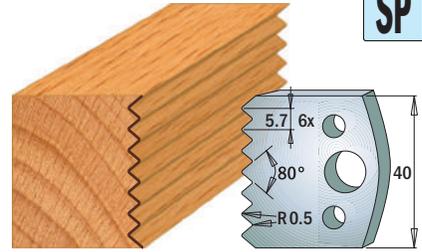
SP



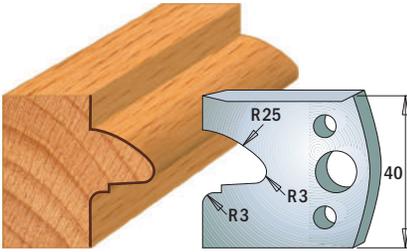
Pair of knives **690.075**



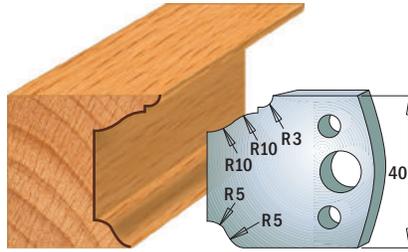
Pair of knives **690.076**



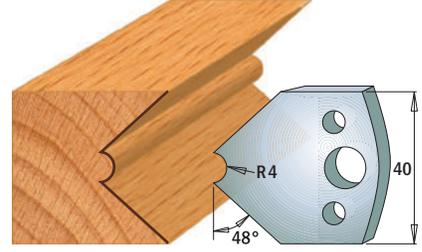
Pair of knives **690.077**



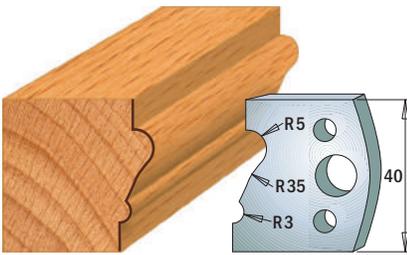
Pair of knives **690.078**



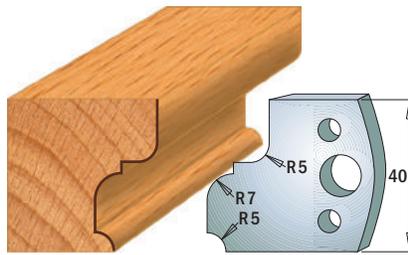
Pair of knives **690.079**



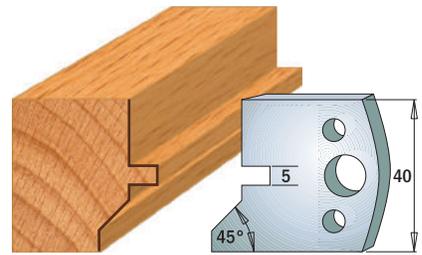
Pair of knives **690.080**



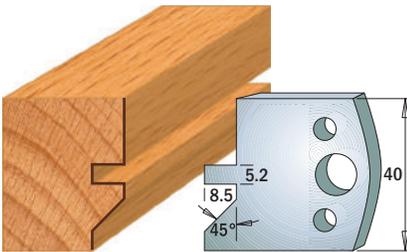
Pair of knives **690.081**



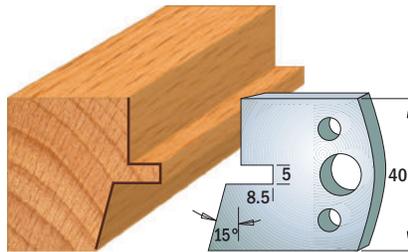
Pair of knives **690.082**



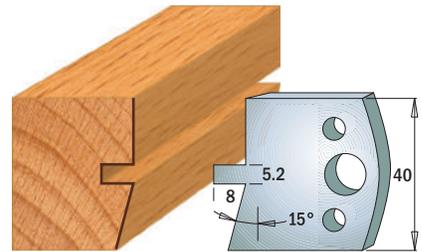
Pair of knives **690.083**



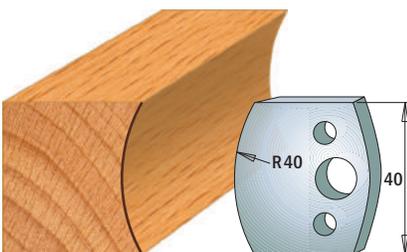
Pair of knives **690.084**



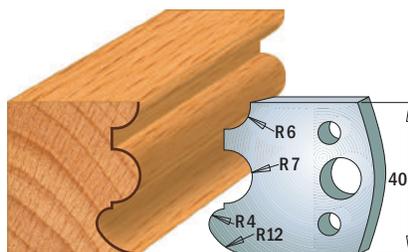
Pair of knives **690.085**



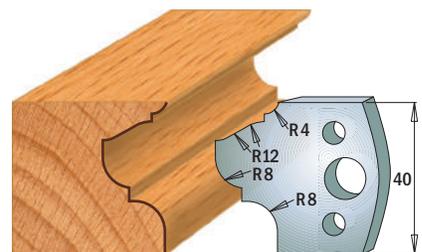
Pair of knives **690.086**



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.

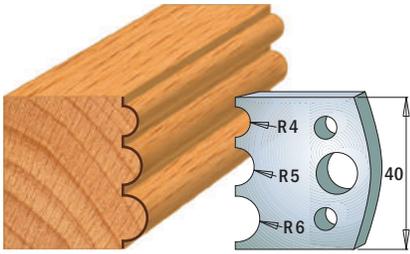
Profile Knives for Insert Shaper System

Cutting length=1-37/64" (40mm) - Thickness=5/32" (4mm)

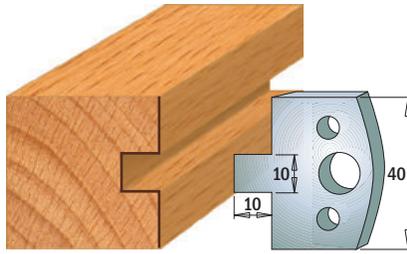
Pack Qty. 10



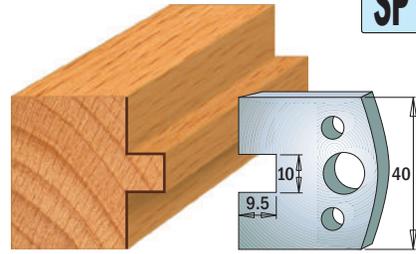
SP



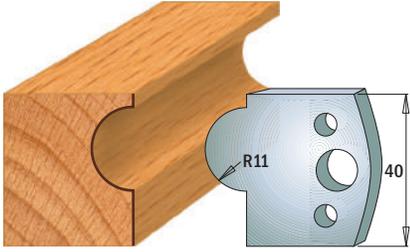
Pair of knives **690.090**



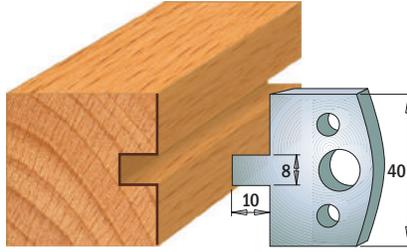
Pair of knives **690.091**



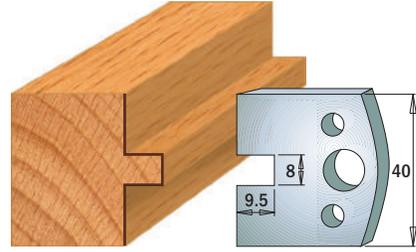
Pair of knives **690.092**



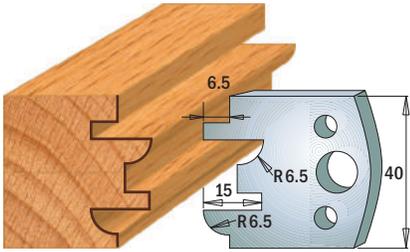
Pair of knives **690.093**



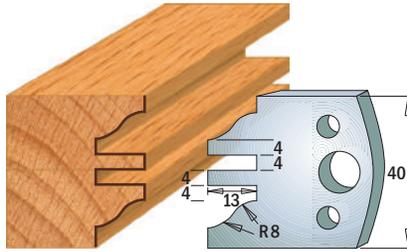
Pair of knives **690.094**



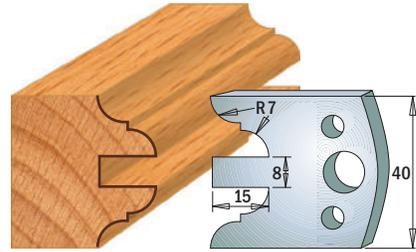
Pair of knives **690.095**



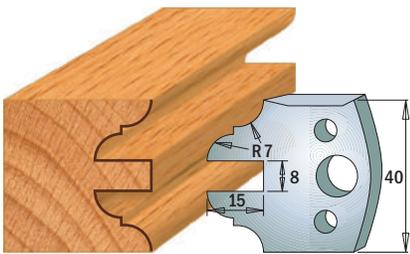
Pair of knives **690.096**



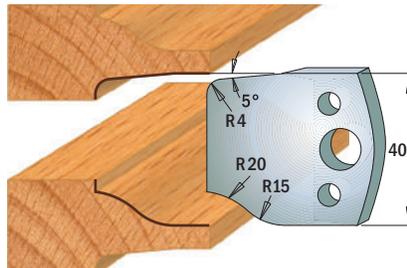
Pair of knives **690.097**



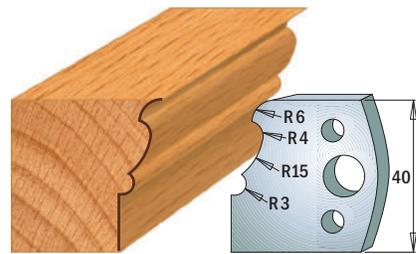
Pair of knives **690.098**



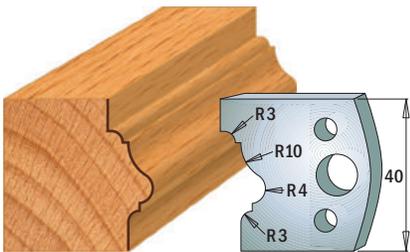
Pair of knives **690.099**



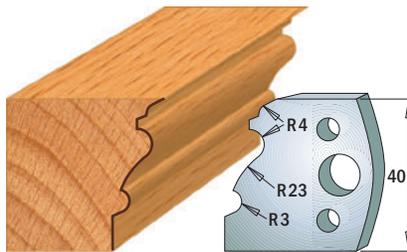
Pair of knives **690.100**



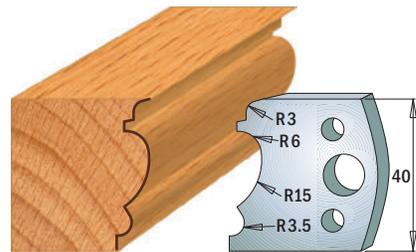
Pair of knives **690.101**



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.

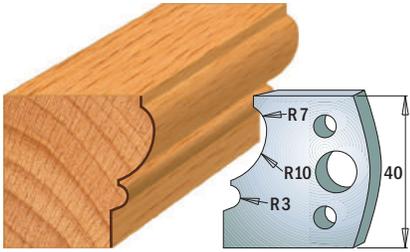
Profile Knives for Insert Shaper System

Cutting length=1-37/64" (40mm) - Thickness=5/32" (4mm)

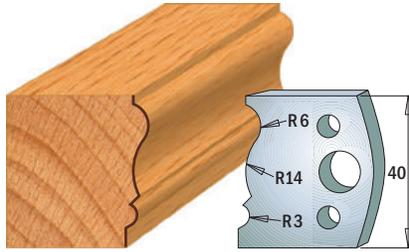
Pack Qty. 10



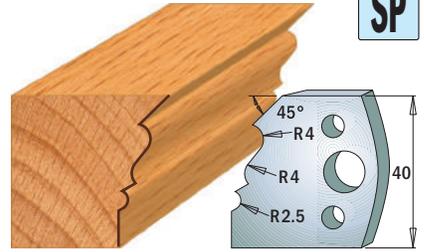
SP



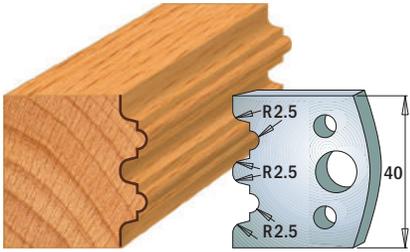
Pair of knives **690.105**



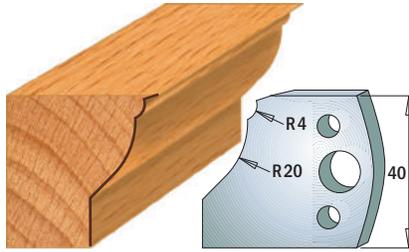
Pair of knives **690.106**



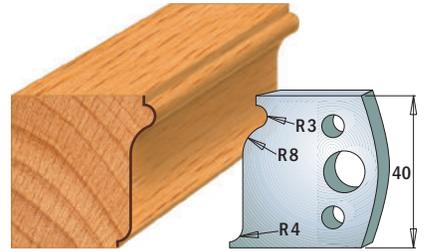
Pair of knives **690.107**



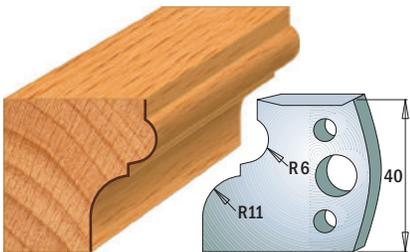
Pair of knives **690.108**



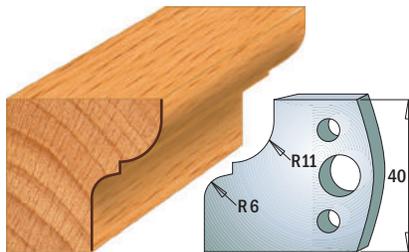
Pair of knives **690.109**



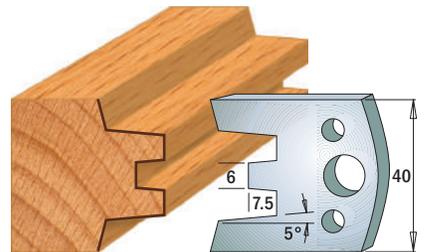
Pair of knives **690.110**



Pair of knives **690.111**



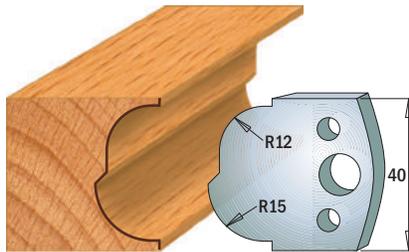
Pair of knives **690.112**



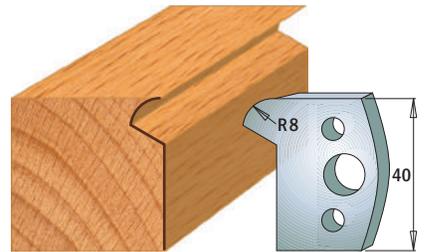
Pair of knives **690.113**



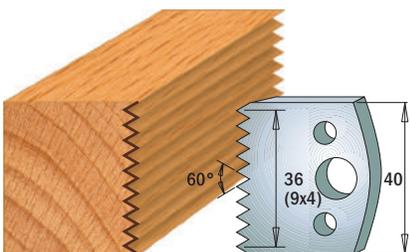
Pair of knives **690.114**



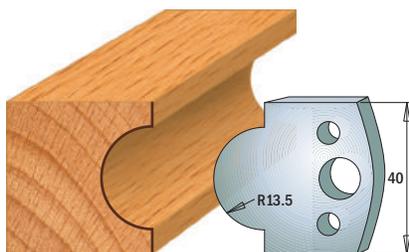
Pair of knives **690.115**



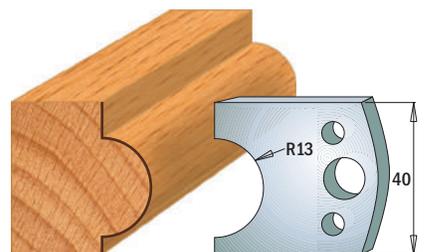
Pair of knives **690.116**



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.

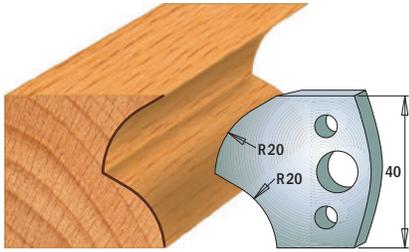
Profile Knives for Insert Shaper System

Cutting length=1-37/64" (40mm) - Thickness=5/32" (4mm)

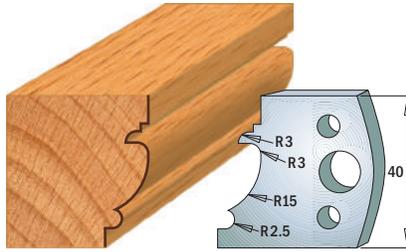
Pack Qty. 10



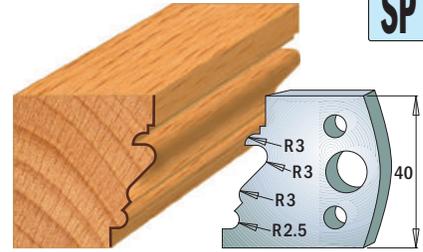
SP



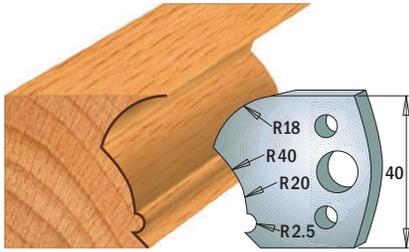
Pair of knives **690.120**



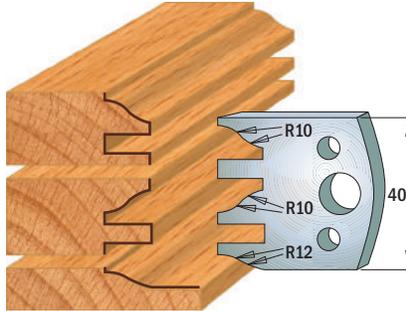
Pair of knives **690.121**



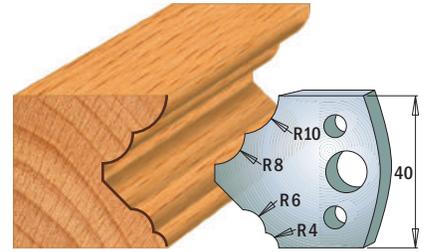
Pair of knives **690.122**



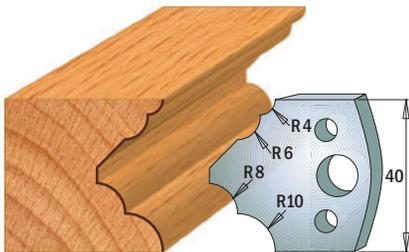
Pair of knives **690.123**



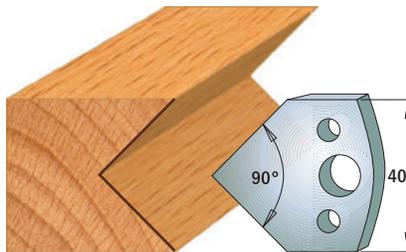
Pair of knives **690.124**



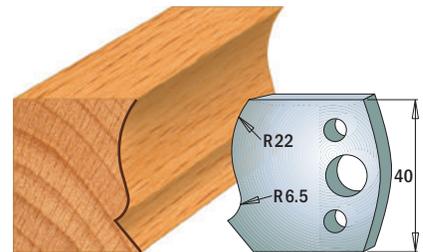
Pair of knives **690.125**



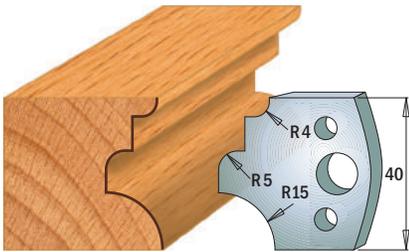
Pair of knives **690.126**



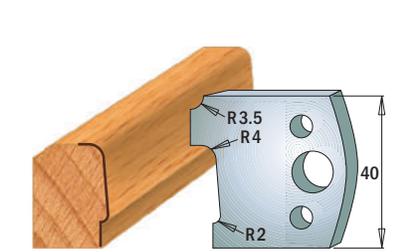
Pair of knives **690.127**



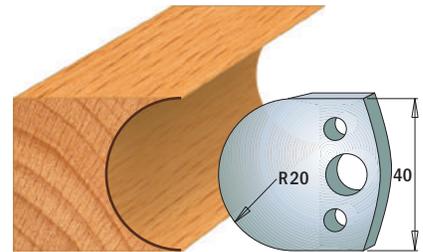
Pair of knives **690.128**



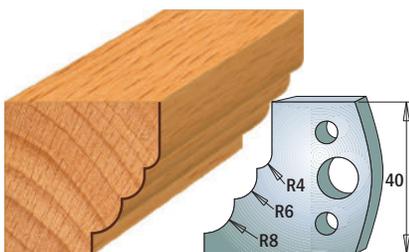
Pair of knives **690.129**



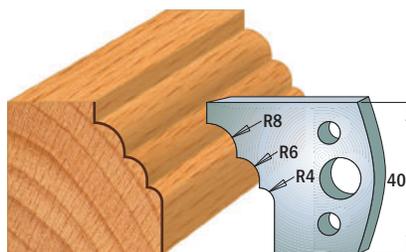
Pair of knives **690.130**



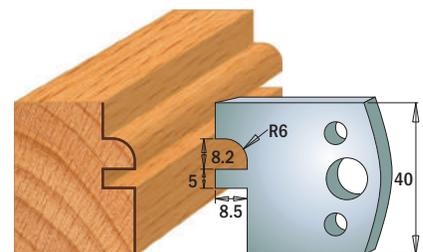
Pair of knives **690.131**



Pair of knives **690.132**



Pair of knives **690.133**



Pair of knives **690.134**

Note: all knives available only in pairs

Drawings are 1:2 scale

Dimension in mm.

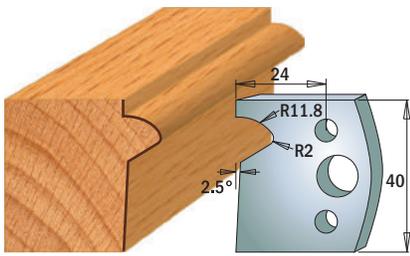
Profile Knives for Insert Shaper System

Cutting length=1-37/64" (40mm) - Thickness=5/32" (4mm)

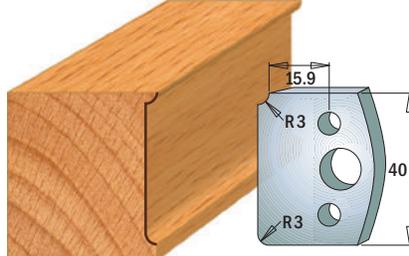
Pack Qty. 10



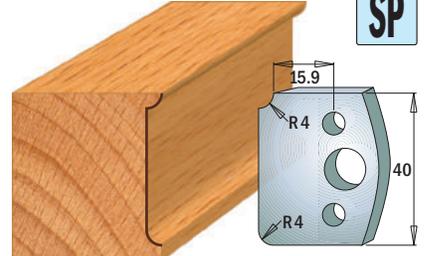
SP



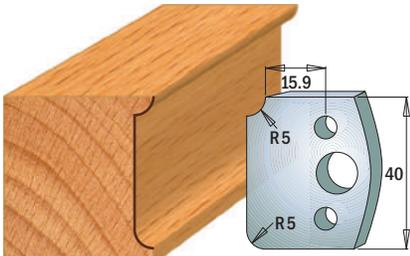
Pair of knives **690.135**



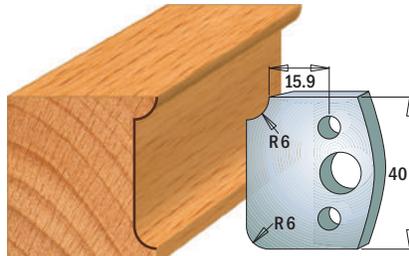
Pair of knives **690.170**



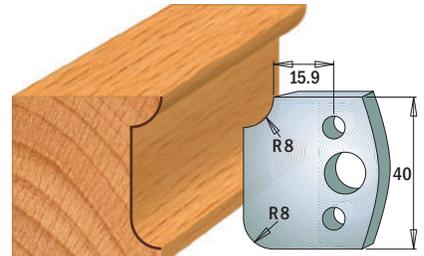
Pair of knives **690.171**



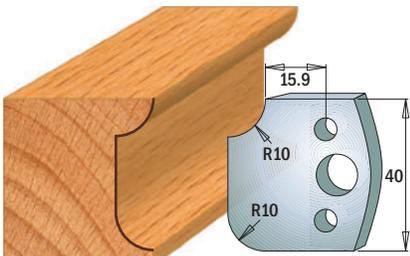
Pair of knives **690.172**



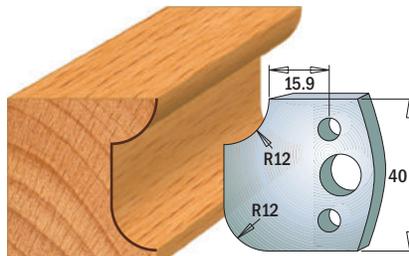
Pair of knives **690.173**



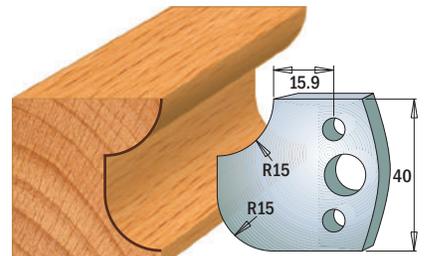
Pair of knives **690.174**



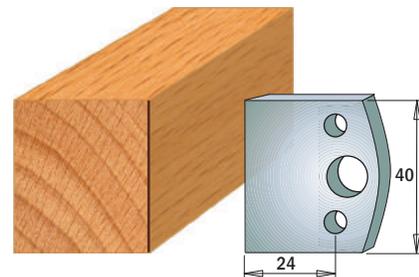
Pair of knives **690.175**



Pair of knives **690.176**



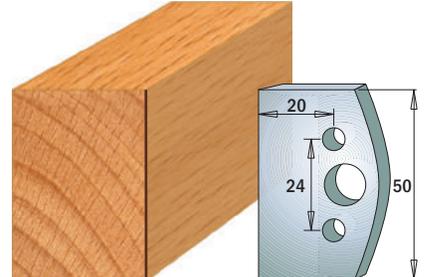
Pair of knives **690.177**



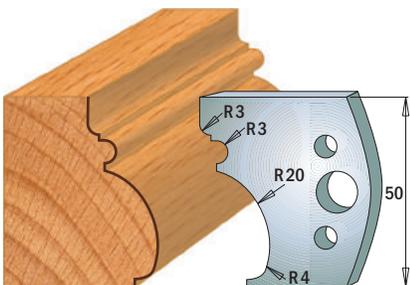
Pair of knives **690.192**

Profile Knives for Insert Shaper System

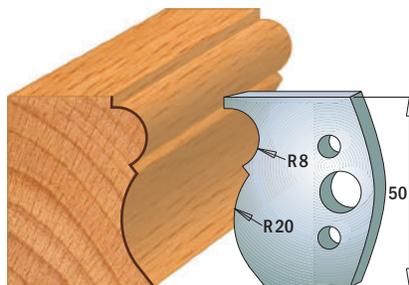
Cutting length=1-31/32" (50mm) - Thickness=5/32" (4mm) Pack Qty. 10



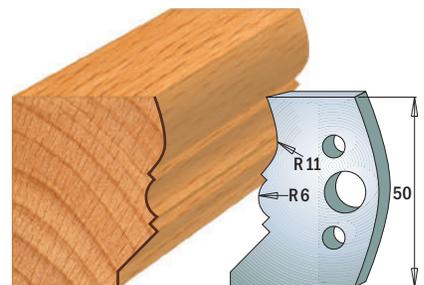
Pair of knives **690.500**



Pair of knives **690.501**



Pair of knives **690.502**



Pair of knives **690.503**

Note: all knives available only in pairs

Drawings are 1:2 scale

Dimension in mm.

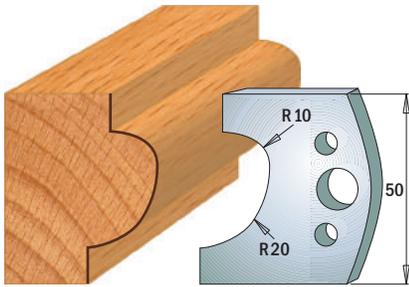
Profile Knives for Insert Shaper System

Cutting length=1-31/32" (50mm) - Thickness=5/32" (4mm)

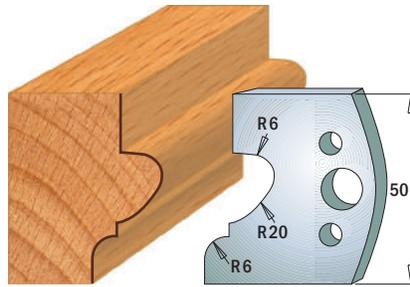
Pack Qty. 10



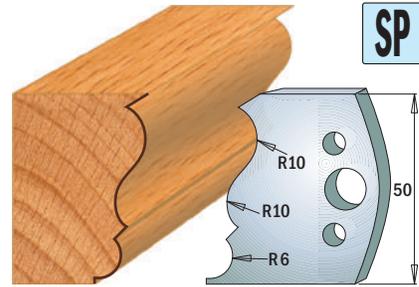
SP



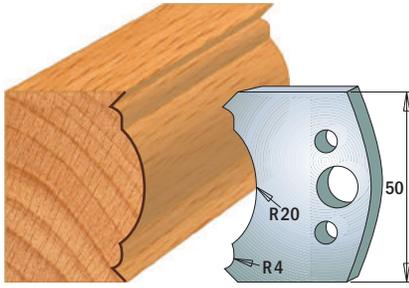
Pair of knives **690.504**



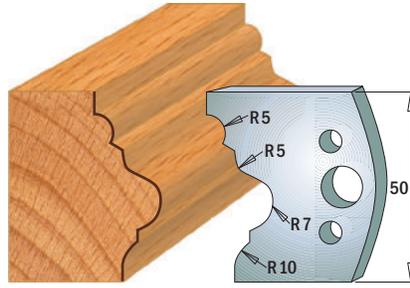
Pair of knives **690.505**



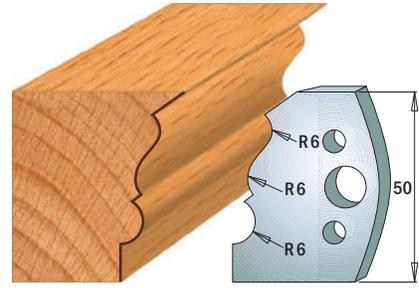
Pair of knives **690.506**



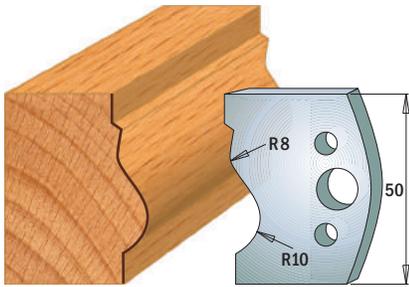
Pair of knives **690.507**



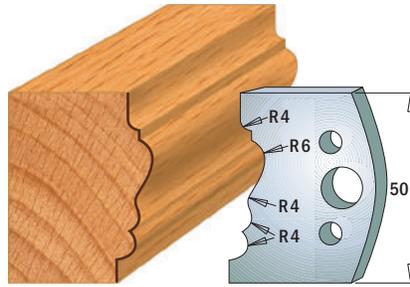
Pair of knives **690.508**



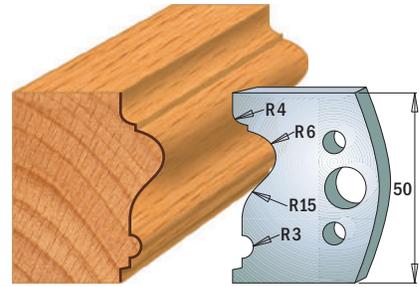
Pair of knives **690.509**



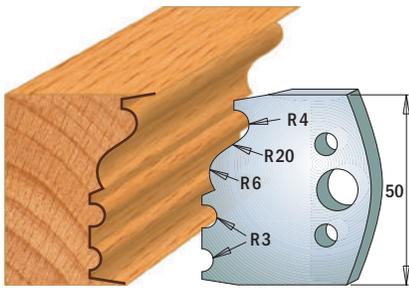
Pair of knives **690.510**



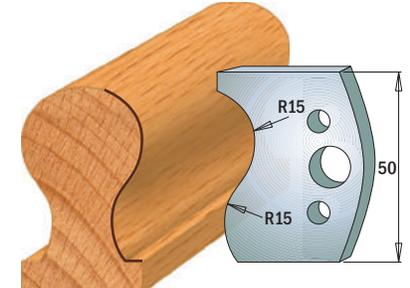
Pair of knives **690.511**



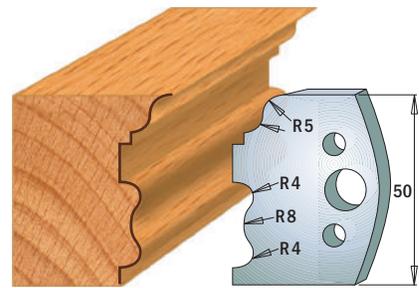
Pair of knives **690.512**



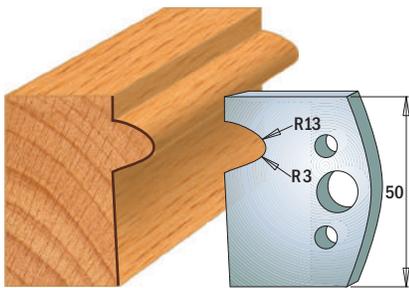
Pair of knives **690.513**



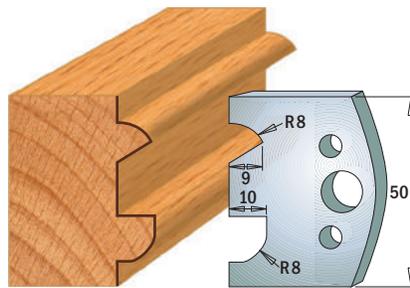
Pair of knives **690.514**



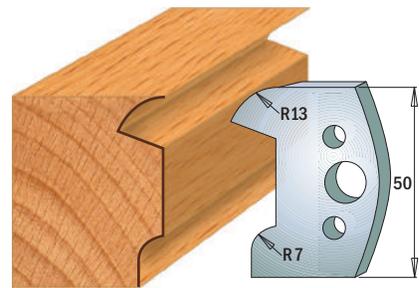
Pair of knives **690.515**



Pair of knives **690.516**



Pair of knives **690.517**



Pair of knives **690.518**

Note: all knives available only in pairs

Drawings are 1:2 scale

Dimension in mm.

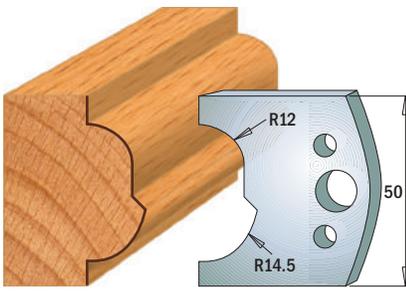
Profile Knives for Insert Shaper System

Cutting length=1-31/32" (50mm) - Thickness=5/32" (4mm)

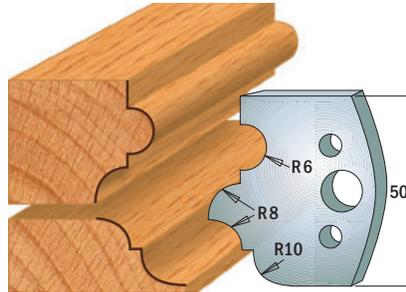
Pack Qty. 10



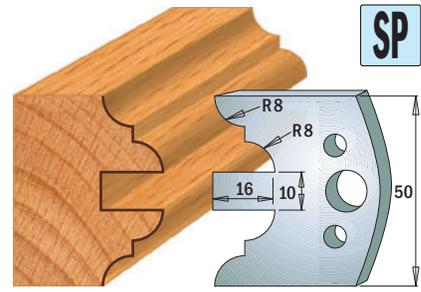
SP



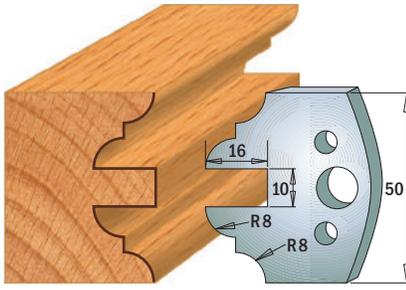
Pair of knives **690.519**



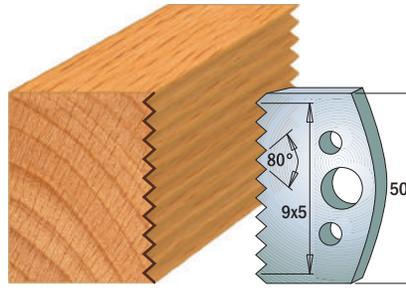
Pair of knives **690.520**



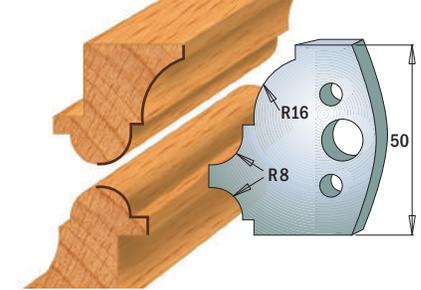
Pair of knives **690.522**



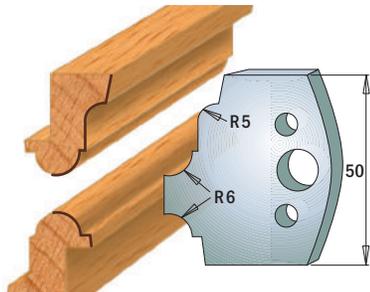
Pair of knives **690.523**



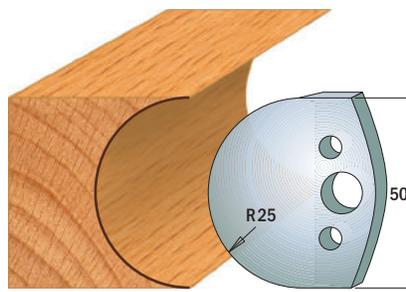
Pair of knives **690.524**



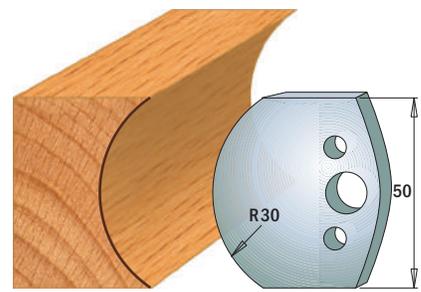
Pair of knives **690.541**



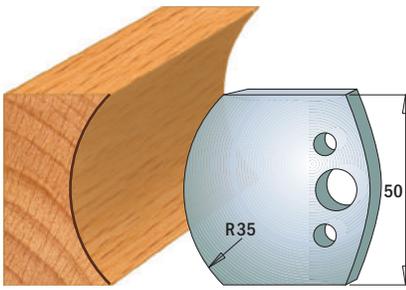
Pair of knives **690.542**



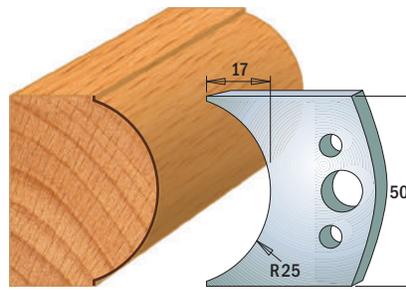
Pair of knives **690.543**



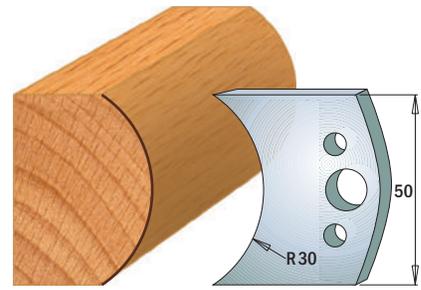
Pair of knives **690.544**



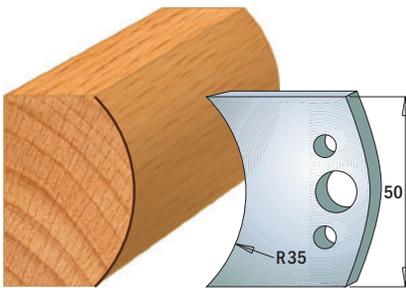
Pair of knives **690.545**



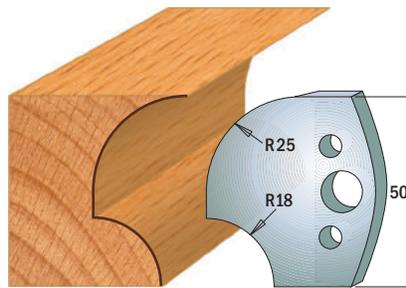
Pair of knives **690.546**



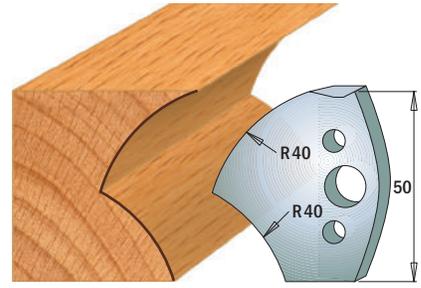
Pair of knives **690.547**



Pair of knives **690.548**



Pair of knives **690.549**



Pair of knives **690.550**

Note: all knives available only in pairs

Drawings are 1:2 scale

Dimension in mm.

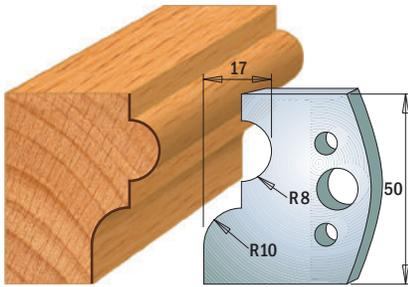
Profile Knives for Insert Shaper System

Cutting length=1-31/32" (50mm) - Thickness=5/32" (4mm)

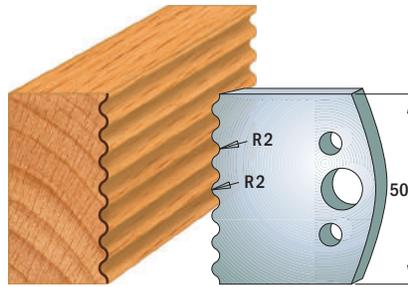
Pack Qty. 10



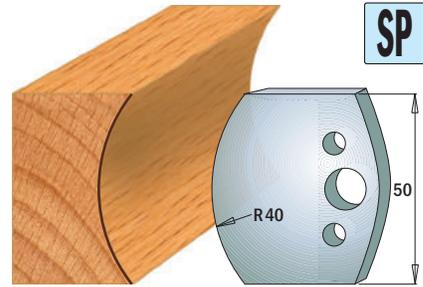
SP



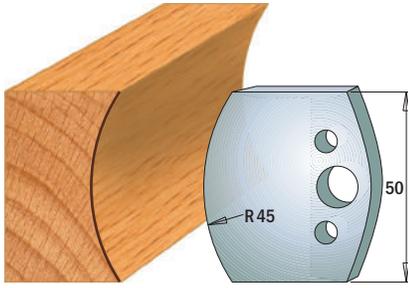
Pair of knives **690.551**



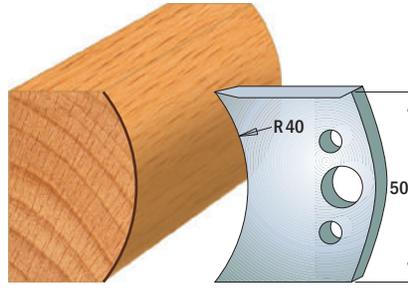
Pair of knives **690.552**



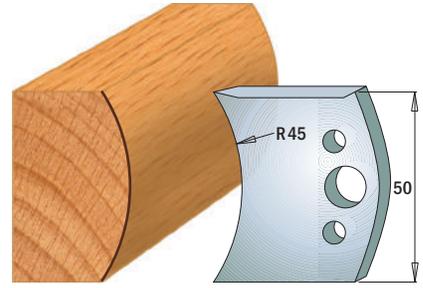
Pair of knives **690.553**



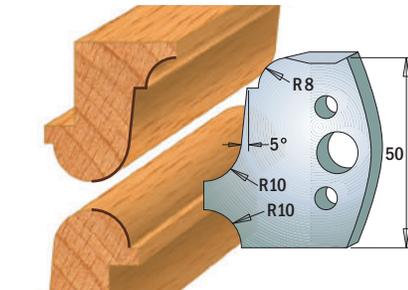
Pair of knives **690.554**



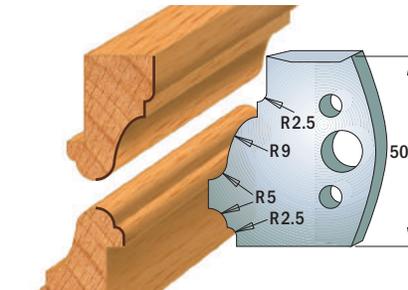
Pair of knives **690.555**



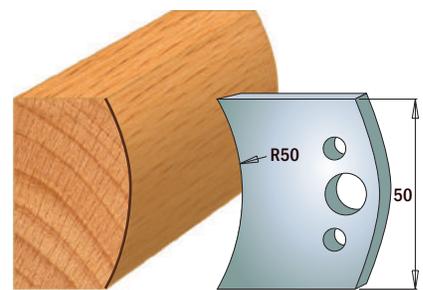
Pair of knives **690.556**



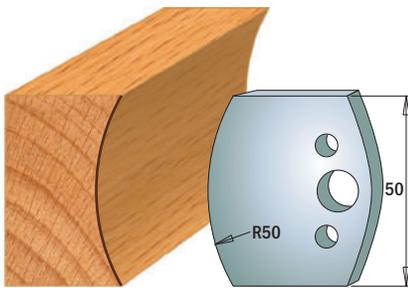
Pair of knives **690.557**



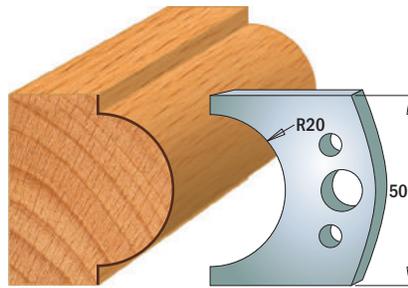
Pair of knives **690.558**



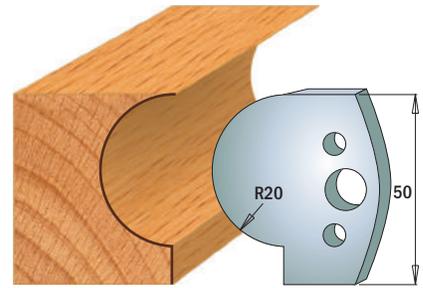
Pair of knives **690.559**



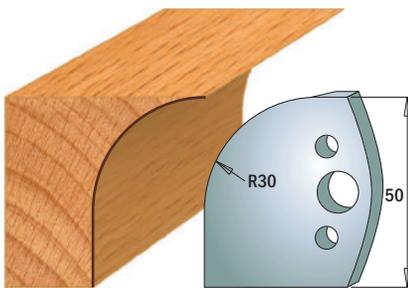
Pair of knives **690.560**



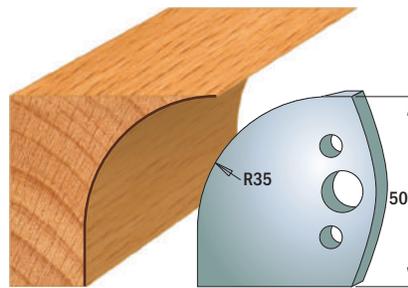
Pair of knives **690.561**



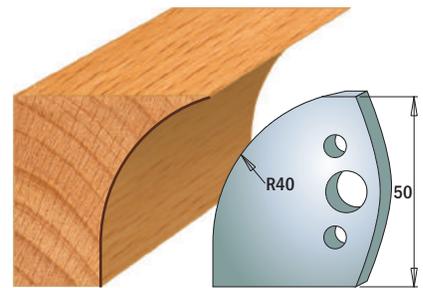
Pair of knives **690.562**



Pair of knives **690.563**



Pair of knives **690.564**



Pair of knives **690.565**

Note: all knives available only in pairs

Drawings are 1:2 scale

Dimension in mm.

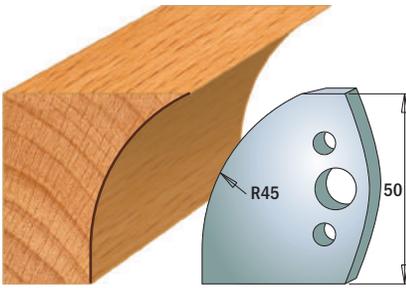
Profile Knives for Insert Shaper System

Cutting length=1-31/32" (50mm) - Thickness=5/32" (4mm)

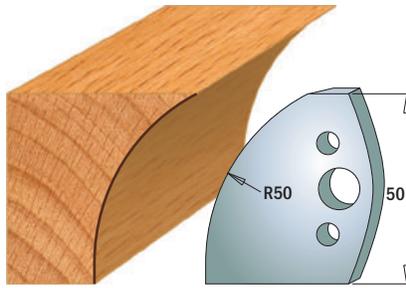
Pack Qty. 10



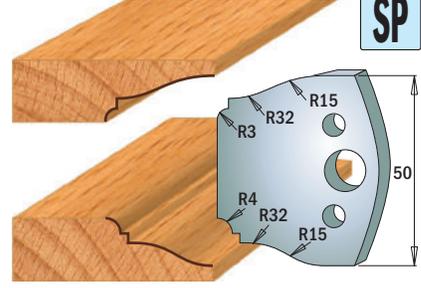
SP



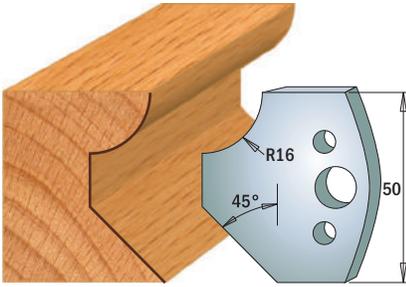
Pair of knives **690.566**



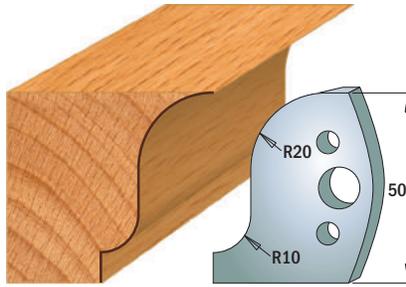
Pair of knives **690.567**



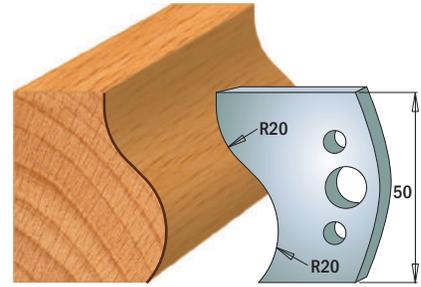
Pair of knives **690.568**



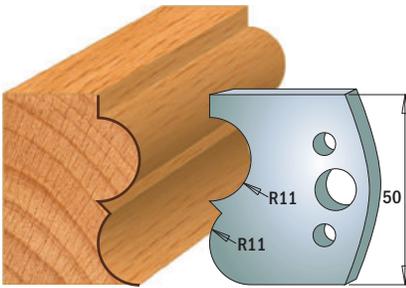
Pair of knives **690.569**



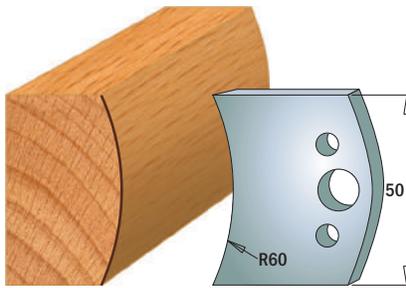
Pair of knives **690.570**



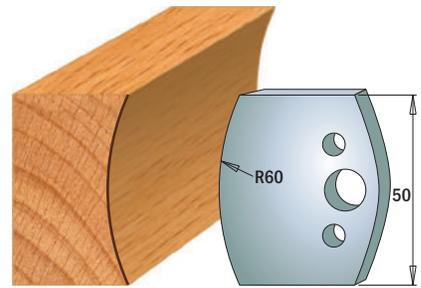
Pair of knives **690.571**



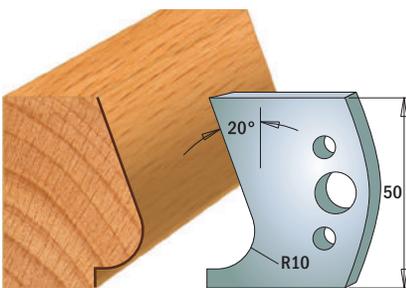
Pair of knives **690.572**



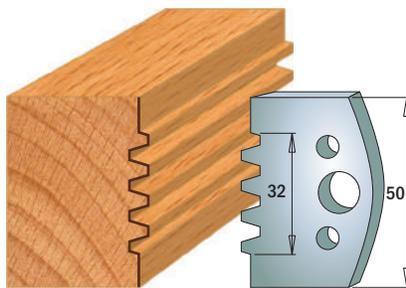
Pair of knives **690.573**



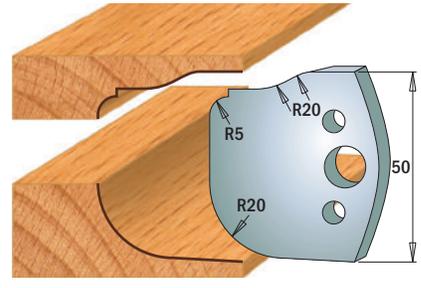
Pair of knives **690.574**



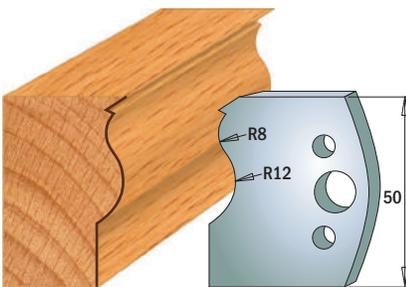
Pair of knives **690.575**



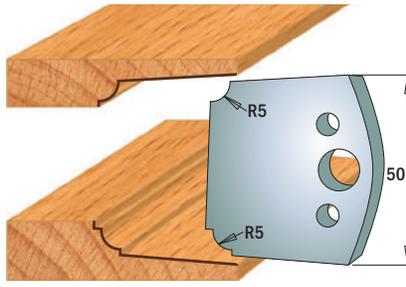
Pair of knives **690.576**



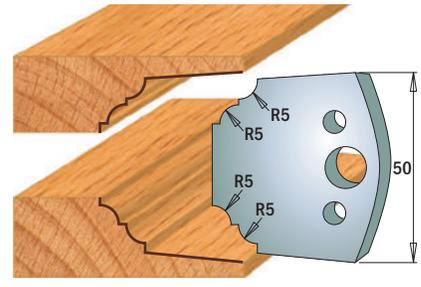
Pair of knives **690.577**



Pair of knives **690.578**



Pair of knives **690.579**



Pair of knives **690.580**

Note: all knives available only in pairs

Drawings are 1:2 scale

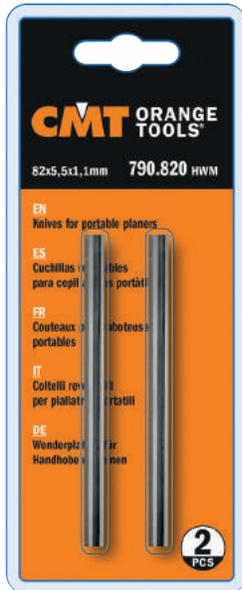
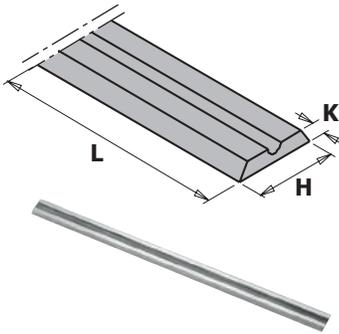
Dimension in mm.

Solid Carbide Insert Knives for Portable Planers



790

SOLID CARBIDE



2-PCS. BLISTER CASE

ORDER NO. 2 pcs. blister case	SIZES_MM			MACHINE	MODEL MACHINE
	L	H	K		
790.805	80.5	x 5.5	x 1.1	Aeg	
				Bosch	
				Haffner	
				Elu	MFF40, MFF80, MFF81, MFF81EK, PF161
790.820	82.0	x 5.5	x 1.1	Aeg	EH82, EH825, EH822, EH450, EH700, EH82-1, H500, H750, EH700R
				Black & Decker	DN76
				Bosch	PHO 100/150, PHO 200/300, 4387, PHO 2-82/3-82, Gustav, H00882
				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
Perless	HHB82B				
Peugeot	RA400, 82RAC, RA82CS, BR82, BRA1-82, BRA3-82, RA1082CA				
Ryobi	L1323-A				
Skil	H92, H94, H95, H96, H97, 1506, 1510				
Stayer	980B				

TECHNICAL DETAILS:

- Code USA:..... C1
- Hardness (HRA):..... 90.3
- Transverse rupture strength (P.S.I.):..... 377,000

APPLICATION:

- Soft wood Good
- Hard wood Suitable
- Plywood Suitable



2-PCS. BLISTER CASE

ORDER NO. 2-pcs. HSS	ORDER NO. 2-pcs. TCT	L H K			MACHINE	MODEL MACHINE
		mm	mm	mm		
790.821.50	790.821.10	82,0	x 29	x 3	Bosch	GH020-82
					B&D	DN710, DB711
					Makita	1900B, 1923B, 1100, 1901, 1125
790.110.50		110	x 29	x 3	Ryobi	L-1323A, L-282
					Makita	1002BA

TECHNICAL DETAILS:

- Order no. ISO: K40
- Hardness (HV10):..... 1.400
- Transverse rupture strength (N/mm²):..... 2.600

APPLICATION:

- Softwood Good
- Hardwood Suitable
- Plywood Suitable



790

SOLID CARBIDE



	L mm	H mm	K mm	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		
new 11.6	12	1.5	35°	2	Y790.116.00		
15	12	1.5	35°	2	790.150.00		
19.5	12	1.5	4/35°	2	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	
30	12	1.5	45°	2	790.300.20		
40	12	1.5	35°	2	790.400.00	790.400.03	
50	12	1.5	35°	2	790.500.00	790.500.03	
60	12	1.5	35°	2	790.600.00	790.600.03	

	L mm	H mm	K mm	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	9	1.5	35°	4	790.395.09		
39.5	12	1.5	35°	4	790.395.12		
new 49	12	1.5	35°	4	790.490.01		
49.5	9	1.5	35°	4	790.495.09		
49.5	12	1.5	35°	4	790.495.12		

	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	
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	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		

	L mm	H mm	K mm	A	T	ORDER NO. F1640	
	14.3	14.3	2.5	35°	4	S790.143.00	

790



	L mm	H mm	K mm	A	T	ORDER NO. K1920
	50	9	1.5	35°	4	790.500.09

	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	R mm	A	T	ORDER NO. K1920
	15	15	2.5	100		4	790.152.62
	15	15	2.5	150		4	790.152.72

	L mm	H mm	K mm	R mm	A	ORDER NO. K1920
	19.5	9	1.5	2	35°	790.020.00
	19.5	9	1.5	3	35°	790.030.00
	19.5	9	1.5	5	35°	790.050.00
	24	12	1.5	6.4	35°	790.064.00
24	12	1.5	8	35°	790.080.00	

	L mm	H mm	K mm	A	ORDER NO. K1920
	28	14	2	30°	790.280.00

Diamond Insert Knives

	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.

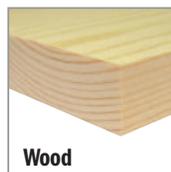
MATERIAL	K1920	K2250
Softwood	★★★★★	
Hardwood	★★★★★	
Chipboard	★★★★★	★★★★★
MDF	★★★★★	★★★★★
HDF	★★★★★	★★★★★
Plastics	★★★	★★★★★
Solid Surface		★★★★★

★★★★★ Excellent
 ★★★★ Very Good
 ★★★ Good

TECHNICAL DETAILS:

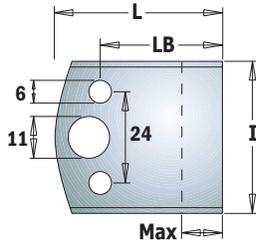
K1920 Hardness (HV10): 1.920 - Transverse rupture strength (N/mm²): 2.600
 New chrome grade for universal cutting applications. Excellent resistance to corrosion, oxidation and mechanical wear. High efficiency, 20% longer lifetime compared to standard grade.

K2250 Hardness (HV10): 2.250 - Transverse rupture strength (N/mm²): 2.400
 New nano-grain grade for maximum wear resistance. Higher efficiency due to improved tool lifetime. Improved toughness.



All knives are supplied in a 10 pcs. case.
 Minimum 10 pieces or multiple of 10 piece order.

Blank Knives

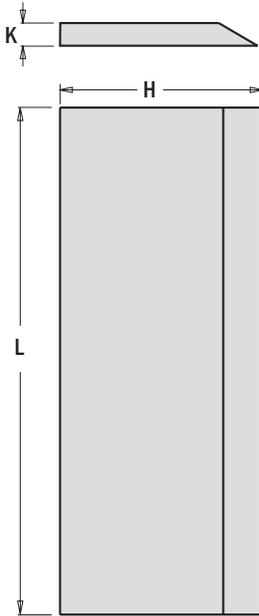


690

SP HSS

ORDER NO. SP	ORDER NO. HSS		LB		I		L	MAX PROFILE
			inches	mm	inches	mm	inches	inches
690.193	690.193H	10	1-9/32	32.5	1-37/64	40	1-3/4	23/32
690.599	690.599H	10	1-11/32	34	2	50	1-13/16	51/64

Planer & Jointer Knives HS 18%W



792

HSS

ORDER NO.		L mm	H mm	K mm	KNIVES PER SET
792.130.30	1	130	30	3	2
792.150.30	1	150	30	3	2
792.180.30	1	180	30	3	2
792.230.30	1	230	30	3	2
792.400.30	1	400	30	3	2
792.400.35	1	400	35	3	2
792.500.35	1	500	35	3	2
792.600.35	1	600	35	3	2
792.710.35	1	710	35	3	2
792.997.30	1	1050	30	3	2
792.997.35	1	1050	35	3	2

REMARK: special dimensions available on request.
The HSS knives are balanced and milled.

MATERIAL	18%W
Dry Softwood	●
Wet Softwood	○
Dry Hardwood	●
Wet Hardwood	●
Glulam	○

- Suitable
- Partly suitable

Available on request

Magnetic Knife Setting Jigs

CMT792

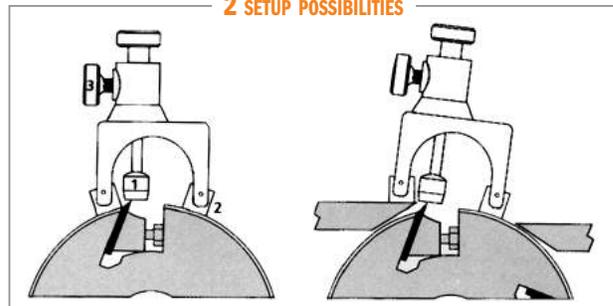
Insert your knives into your tool holders and align them perfectly by using these jigs. Perfect micro-adjustments on your knives will guarantee excellent cutting performance!

1. MAGNETIC STOP
2. JOINTS WITH MAGNETIC CONNECTORS
3. LOCK SCREW

Set supplied in a wooden box with 2 setters and gauge thickness 0,8 - 1 - 1,2mm.



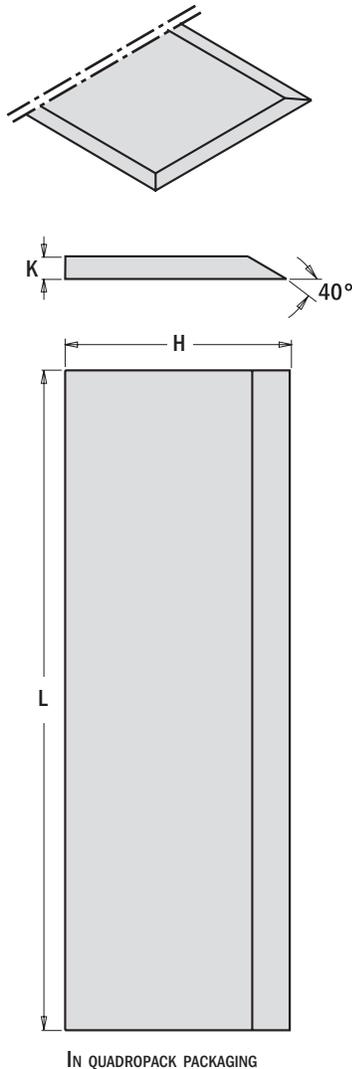
2 SETUP POSSIBILITIES



Positioning on the tool holder body with detection of the knife position.

Direct positioning on both the planer table and the tool holder body with detection of the knife position.

ORDER NO.		DESCRIPTION
CMT792	25	Magnetic Knife Setting Jigs



794

ORDER NO.	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
794.153	6	7/8	1/8	3
794.154	6	1	1/8	2
794.155	6-1/16	13/16	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
794.204	8	7/8	1/8	3
794.205	8	1	1/8	3
794.206	8-1/16	5/8	3/32	3
794.207	8-1/16	13/16	1/8	3
794.302	12	3/4	1/8	3
794.303	12	7/8	1/8	3
794.305	12	1-1/4	1/8	3
794.311	12-1/4	3/4	1/8	3
794.312	12-1/4	1	1/8	3
794.321	12-1/2	11/16	1/8	3
794.332	13-1/8	1	1/8	3
794.381	15	1	1/8	3
794.461	18	1-1/8	5/32	1
794.511	20	1	1/8	1
794.512	20	1-3/16	1/8	4
794.521	20-1/2	11/16	1/8	3
794.611	24	1-1/4	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
794.644	25	7/8	1/8	1
794.646	25	1-1/4	1/8	1
794.647	25	1-1/4	5/32	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



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.

MATERIAL

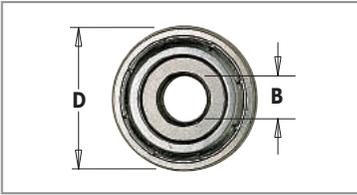
Dry Softwood	●
Wet Softwood	○
Dry Hardwood	●
Wet Hardwood	●
Glulam	○

- Suitable
- Partly suitable



990.422/423 Shield for bearing

ORDER NO.		DESCRIPTION
990.422.00	10	Shield for 3/8" bearing
990.423.00	10	Shield for 1/2" bearing



791 Top-Quality Bearings



Caution: be sure to keep the black washer right side up to correspond with the bearing rotation during reassembly.

ORDER NO.		D		B		T ₁
		inches	mm	inches	mm	mm
791.035.00	10	1/4	6.35	1/8	3.17	3.2
new 791.062.00*	10		9.3	3/16	4.76	3.17
791.002.00	10	3/8	9.5	3/16	4.76	3.2
new 791.063.00*	10		12.5	3/16	4.76	4.98
791.003.00	10	1/2	12.7	3/16	4.76	5
791.010.00	10	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	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	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		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	4
791.036.00	10		24		8	8
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	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	10
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 Bearing						
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	7
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

new

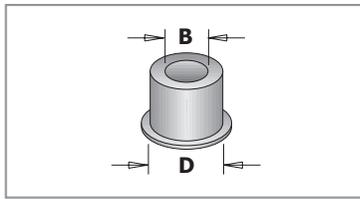
* Undersized diameter bearing for use after resharpening. Fits all tools such as flush trims

791.062.00 Ø9,3 replace bearing 791.002.00 (Ø9,5) after resharpening

791.063.00 Ø12,5 replace bearing 791.003.00 (Ø12,7) after resharpening

These bearings are supplied in a 10 pc. case. Minimum 10 piece or multiple of 10 piece order.





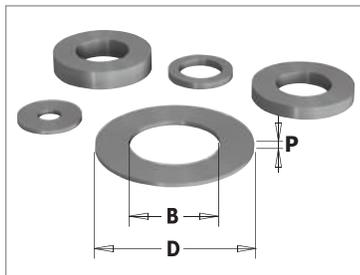
799 Reduction bushing for bearing

ORDER NO.	10	D		B	
		inches	mm	inches	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



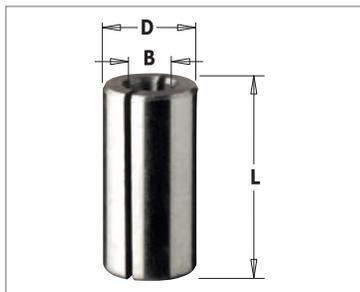
541 Stop collar for top bearing bits

ORDER NO.	10	DESCRIPTION
541.001.00	10	Stop collar for 1/4" shanks
541.002.00	10	Stop collar for 1/2" shanks
541.006.00	10	Stop collar for 3/8" shanks
541.008.00	10	Stop collar for 1/8" bearing seat



541 Spacers/shims

ORDER NO.	10	B mm	D mm	T mm	ORDER NO.	10	B mm	D mm	T 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	541.512.00	10	12	20	2
541.551.00	10	5.2	15.8	2.5	541.511.00	10	12	20	3
541.514.00	10	6.4	9.52	2.2	541.513.00	10	12	21	0.1
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.	10	B		D		L
		inches	mm	inches	mm	inches
799.064.00	10	1/4	6.35	5/16	7.94	1
799.164.00	10	1/4	6.35	3/8	9.5	1
799.264.00	10	1/4	6.35	1/2	12.7	1
799.001.00	10	3/8	9.5	1/2	12.7	1



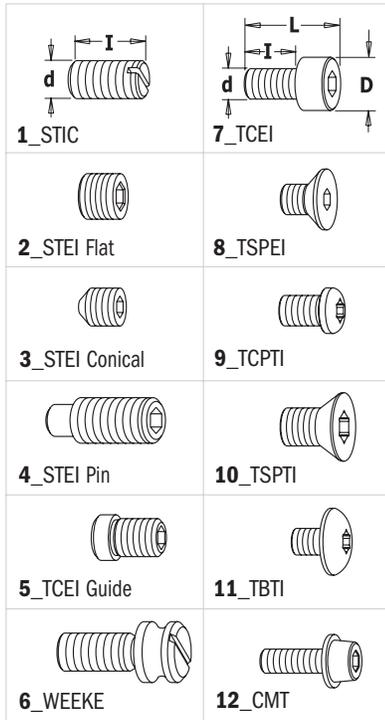
796 Collet chuck

ORDER NO.	10	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"



990 Screw for bearing

Pack Qty. 10



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	990.099.00	M8x25x33	13	7
990.003.00	M5x10		1	990.059.00	1/8"x1/2"x5/8"	5.5	7
990.091.00	M4x20		2	990.010.00	M5x10x15	8.5	7
990.015.00	M5x4		2	990.004.00	M4x3.7x6	8	8
990.001.00	M5x5		2	990.055.00	M5x9x12	10	8
990.006.00	M5x5		2	990.067.00	M5x5,2x8	9	8
990.005.00	M3x3		3	990.083.00	M6x8x10	9	8
990.002.00	M5x5		3	990.097.00	1/4"x11/16"x7/8"	12	9
990.007.00	M6x6		3	990.058.00	1/8"x3/8"x1/2"	7	12
990.013.00	M4x3		3	Torx Screw			
990.014.00	M4x4		3	990.082.00	M3x4x5,7 (T8)	4.6	9
990.087.00	M6x8		4	990.094.00	M4x5.5x8 (T20)	7.4	9
990.066.00	M6x16		4	990.063.00	M5x12x18 (T15)	6.8	10
990.084.00	M6x20		4	990.070.00	M2,5x3x4.5 (T8)	3.5	10
990.085.00	M6x25		4	990.071.00	M2.5x4.5x6 (T8)	3.7	10
990.064.00	M8x16		4	990.079.00	M4x2x3 (T9)	6	10
990.065.00	M8x12		4	990.080.00	M5x3.6x6.1 (T25)	8.8	10
990.086.00	M8x20		4	990.093.00	M5x5x8 (T25)	9	10
990.068.00	M5x5x9	6	5	990.072.00	M3.5x3.5x6 (T15)	6	11
990.088.00	M5x11.5x17		6	990.073.00	M3.5x5x7.2 (T15)	8.8	11
990.062.00	M2.5x6x8.5	4.5	7	990.077.00	M3.5x5.7x8.2 (T15)	6	11
990.051.00	M3x6x9	5.5	7	990.074.00	M4x3.5x5.7 (T15)	8.8	11
990.053.00	M3x10x13	5.5	7	990.056.00	M4x4x6.2 (T15)	8.8	11
990.054.00	M3x16x19	5.5	7	990.076.00	M4x4x6.2 (T15)	5.8	11
990.052.00	M4x6x10	7	7	990.078.00	M4x6x8 (T15)	6	11
990.061.00	M4x12x16	7	7	990.075.00	M4x6x8.2 (T15)	9	11
990.098.00	M6x25x31	10	7				



990 Nuts

ORDER NO.	Box Icon	DESCRIPTION
990.020.00	10	Nut for arbor M8 thread
990.022.00	10	Nut for arbor M12x1.25 thread



Hex key

991 Key for bearing screws

ORDER NO.	Box Icon	DESCRIPTION	ORDER NO.	Box Icon	DESCRIPTION
Hex key			Torx key		
991.057.00	10	3/32" hex key for 1/8" screw	991.063.00	10	Key Torx T8
991.056.00	10	1.5mm hex key	991.069.00	10	Key Torx T9
991.060.00	10	2mm hex key	991.061.00	10	Key Torx T15
991.062.00	10	2.5mm hex key	991.072.00	10	Key Torx T20
991.067.00	10	3mm hex key	991.073.00	10	Key Torx T25
991.064.00	10	4mm hex key	991.071.00	10	Key Torx T30
991.065.00	10	5mm hex key			
991.066.00	10	6mm hex key			



Torx key

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	80.566	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	100.409	125.809	151.209
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

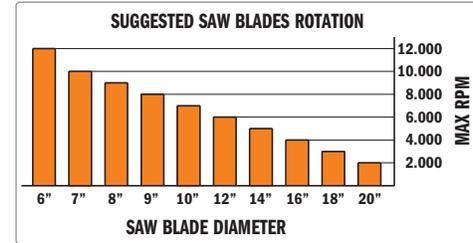
Safety Recommendations



SAW BLADE SAFETY

- ALWAYS** thoroughly check all blades for damage and flaws before using. Do not use blades with missing or damaged teeth.
- ALWAYS** wear safety glasses and ear protection when using power tools.
- ALWAYS** thoroughly read the owners manual and manufacturer's instructions before working with tools.
- ALWAYS** use a fence and splitter when using the table saw. Do not make freehand cuts.
- ALWAYS** use pusher blocks or a pusher stick, especially when working with small or narrow pieces.
- ALWAYS** unplug your saw before cleaning or adjusting the tool, or before making blade changes.
- ALWAYS** keep your tools sharpened, clean and stored in a safe place to avoid breakage and accidents and to extend the life of your bits and blades.

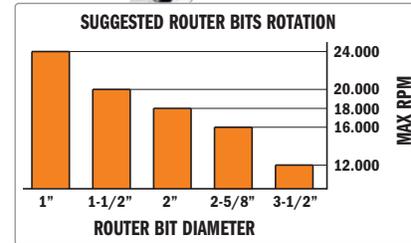
- ALWAYS** feed the work against the rotation of the blade on table saws.
- ALWAYS** be sure your workpiece is completely supported, before and after the cut.
- NEVER** remove guards from radial arm saws and miter saws.
- NEVER** remove the splitter or anti-kickback devices from table saws.
- NEVER** use dull or damaged blades.
- NEVER** use blades with missing or chipped teeth.
- NEVER** force the cut or overload the saw.
- NEVER** change blades with the saw plugged in.
- NEVER** make adjustments to any saw while the blade is turning.



ROUTER BITS SAFETY

- ALWAYS** thoroughly check all tools for possible flaws before using.
- ALWAYS** wear safety glasses and ear protection.
- ALWAYS** thoroughly read the owners manual and manufacturer instructions before using.
- ALWAYS** check that at least 75% of the shank is securely inserted into the collet of the router.
- ALWAYS** use template guide collars when possible to absorb lateral bit deflection.
- ALWAYS** use a fence when working on the router table.
- ALWAYS** reduce the router speed when working with larger diameter bits.
- ALWAYS** keep your fence adjusted so there is some clearance between the bearing guide and the workpiece.
- ALWAYS** take care to remove large quantities of stock (cross section > 3/8") in more than one run.

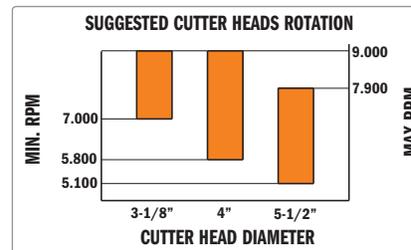
- ALWAYS** keep your tools sharpened, clean and stored in a safe place to avoid breakage and accidents and to extend the life of your bits and blades.
- NEVER** use dull or defective, even suspiciously defective, tools.
- NEVER** force the shank entirely into the collet (bottoming out). Leave about a 1/8" space from the bottom.
- NEVER** force the bit into your router or overload the router.



CUTTER HEAD SAFETY

- ALWAYS** thoroughly check all cutters for damage and flaws before using.
- ALWAYS** wear safety glasses and ear protection when using power tools.
- ALWAYS** thoroughly read the owners manual and manufacturer's instructions before working with tools.
- ALWAYS** use guards that were supplied with your shaper.
- ALWAYS** use a fence with your shaper. Do not make freehand cuts.
- ALWAYS** use pusher blocks, especially when working with small or narrow pieces.
- ALWAYS** unplug your shaper before cleaning or adjusting the tool, or before making cutter or knife changes.
- ALWAYS** be sure the spindle nut is tight before plugging in the shaper.
- ALWAYS** check that knives are properly and securely installed in the cutterhead when using interchangeable-knife systems.
- ALWAYS** keep your tools sharpened, clean and stored in a safe place to avoid breakage and accidents and to extend the life of your bits and blades.

- ALWAYS** feed the work against the rotation of the knives.
- ALWAYS** be sure your workpiece is completely supported, before and after the cut.
- NEVER** remove guards or any other safety devices from your shaper.
- NEVER** use dull or damaged knives.
- NEVER** force the cut or overload the shaper.
- NEVER** change cutters or knives or make adjustments with the shaper plugged in.
- NEVER** make adjustments to the shaper while the cutter is turning.



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

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)

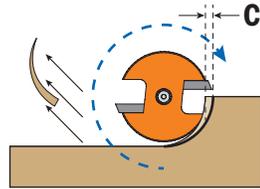
Z = cutting edges

C = Chipload (mm)

FORMULAS:

$V = (RPM \times Z \times C) / 1000$

$RPM = V \times 1000 / (Z \times C)$



EXAMPLE:

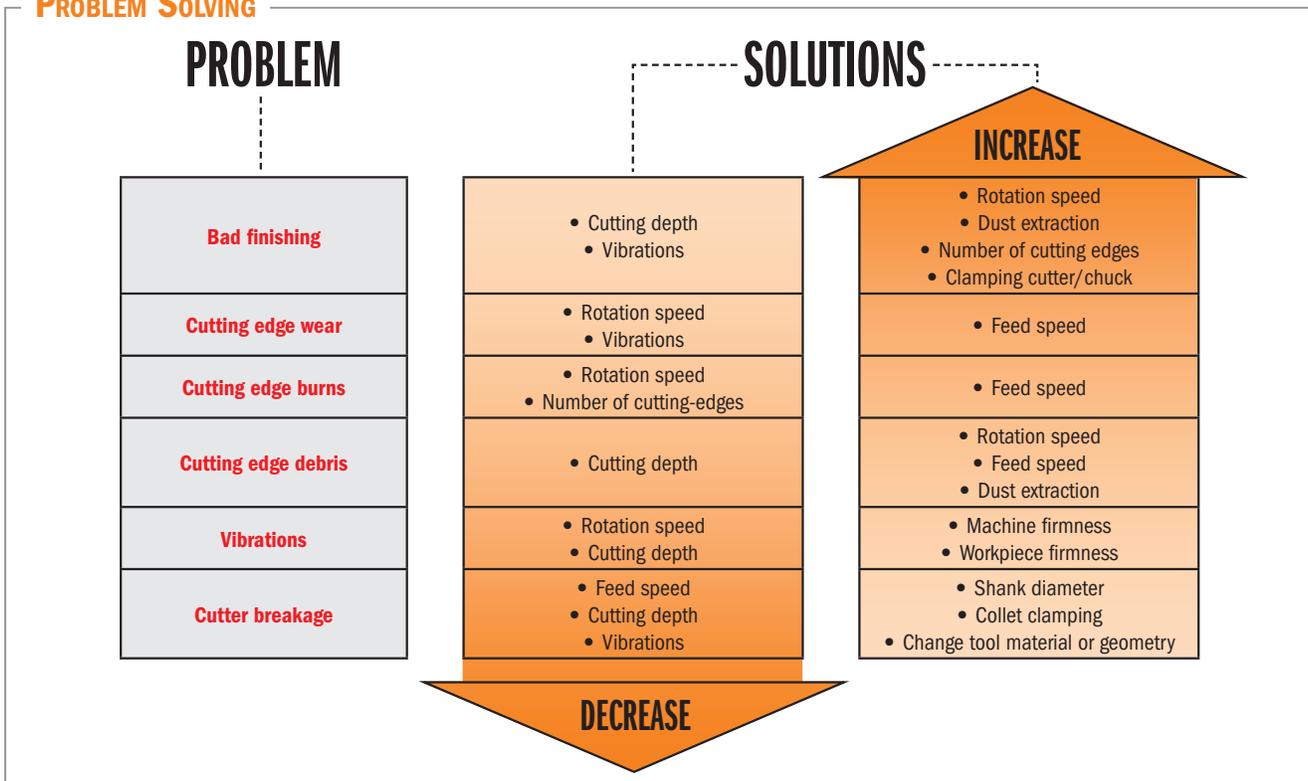
with caliper take measurement of a good result chipload (C=0,2mm).

Z=2

RPM=18000

$V = (RPM \times Z \times C) / 1000 = (18000 \times 2 \times 0,2) / 1000 = 7,2m/min$

PROBLEM SOLVING



Abbreviations

A	= Cutting angle
α	= Hook angle
ATB	= Alternate top bevel grind
B	= Bore diameter
β	= Type of grind
COMBI3	= Pin-Hole 2/7/42 + 2/9/46,4 + 2/10/60
COMBI5	= Pin-Hole 2/7/110 + 2/8,4/130 + 2/14/110 + 4/9/100 + 4/19/120
COMBI7	= Pin-Hole 2/10/80 + 1/11/85 + 2/11/115 + 2/11/148 + 2/14/100 + 2/14/125 + 2/19/120
d	= Small cutting diameter
D	= Diameter
D₂	= Overall diameter
D₃	= For shank diameter
\emptyset	= Diameter
FFT	= Flat flat trapezoidal
FTG	= Flat top grind
FWF	= Flat with alternate chamfer
H	= Cutting depth
HDF	= Hollow ground teeth
l	= Cutting length
l₁	= Short cutting length
K	= Kerf thickness
L	= Overall length
L₁	= Working length
LB	= Adjusting length
LH	= Left-hand rotation
MATB	= Alternate top bevel with chamfer grind
MTCG	= Triple chip grind (trapezoidal) with chamfer
mm	= Millimeters
P	= Plate thickness
PTFE	= Non-stick industrial coating, black and orange
R, R₁	= Radius
RH	= Right-hand rotation
RPM	= Round per minute
S, S₁	= Shank diameter
T	= Number of teeth
T₁	= Thickness / Maximum joint thickness
TCG	= Triple chip grind (trapezoidal)
TS	= Tooth spacing
TPI	= Teeth per inch
V	= Spurs
W	= Width
●	= On request
●	= Solid tungsten carbide
	= Dispatch package quantity

Explanation of Symbols

CARBIDE TIPPED Tungsten Carbide Tipped	CARBIDE GRIT Carbide Grit	SOLID CARBIDE Solid Tungsten Carbide	INSERT CARBIDE Insert Carbide
SP Alloyed Tools Steel	HSS High Speed Steel	HPS High Performance Steel	HCS High Carbon Steel
HL High-Alloyed Tool Steel	HQ STEEL High Quality Steel Plate	BIM 8% Co Bimetal	BIM TiN TiN Coated Bimetal with 8% Cobalt Teeth
CERMET CARBIDE Cermet Carbide	DP Polycrystalline Diamond	Polycrystalline Diamond	GRIT Diamond Grit
Tool with Bearing	Z1 One Cutting Edge	Z2 Two Cutting Edges	Z3 Three Cutting Edges
Z4 Four Cutting Edges	Z1+1 One + One Cutting Edges	Z2+1 Two + One Cutting Edges	Z2+2 Two + Two Cutting Edges
Z3+3 Three + Three Cutting Edges	Z4+4 Four + Four Cutting Edges	Z3R Three Cutting Edges with Chipbreaker	V1 One Spur
V2 Two Spur	V4 Four Spur	RH Right-hand Rotation	LH Left-hand Rotation
LH RH Right-hand & Left-hand Rotation	Antikick-back	Radial Relief	Tool with Plunging Capacity
Axial Angle	MEC Mechanical Feed	MAN Manual Feed	Flush Trimming
Grooving, Sizing	Rebating, Profiling, Beveling	Slotting	Spiral Boring
Avoid Axial Plunging	Not for Hand Held use for Router Table only	Saw Blade with Dampening Slots with Fill	Saw Blade with Dampening Slots without Fill
Plastic Carry Case for Saw Blades	Clamshell Carry Case for Saw Blades	Cardboard Box for Saw Blades	Plastic Box for Cutter Head
Plastic Box for Router Bits	ORANGE CHROME®	NON-STICK ORANGE SHIELD COATING® Non-Stick Orange Shield Coating®	EXTRA HARD DLCS CHROME COATING
INDUSTRIALE ITK ORANGE®	CMT CONTRACTOR TOOLS®	XTREME High Performance Tool	SHEAR ANGLE Shear Angle Grind
Wear Safety Glasses	Wear Ear Protection	Wear Dust Mask	Wear Five Finger Gloves
Wear Safety Shoes	Wear Safety Helmet	HV10 Hardness Vickers 10kg (HV10)	N/mm² Transverse Rupture Strength (expressed in N/mm ²)
Warning			

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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, misuse 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.

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