

CMT ORANGE TOOLS®



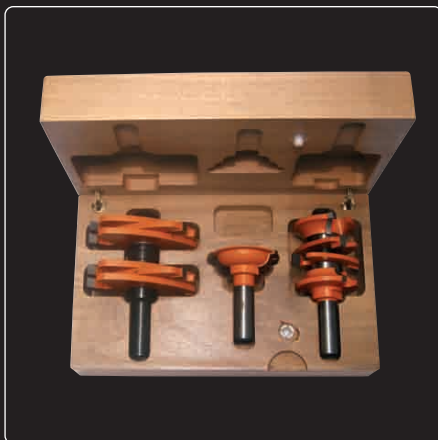
Saw Blades



Router Bits



Insert Carbide Router Bits



Router Bits Sets



Jigs & Accessories



CNC Router Bits & Chucks



Dowel Drills



Boring Bits



Cutter Heads & Knives

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 + 2/9,5/46,5 + 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	= Diameter
D₂	= Overall diameter
D₃	= For shank diameter
Ø	= Diameter
d	= Small diameter
FTG	= Flat top grind
FWF	= Flat with alternate chamfer
H	= Cutting depth
I	= Cutting length
I₁	= Cutting length
Inches	= Inches
K	= Kerf thickness
L	= Overall 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	= Radius
R₁	= Radius
RH	= Right-hand rotation
RPM	= Round per minute
S	= Shank diameter
T₁	= Maximum joint thickness / Thickness
T	= Number of teeth
TCG	= Triple chip grind (trapezoidal)
V	= Spurs
■	= On request
●	= Solid tungsten carbide

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

By now, the story has been told. After over 40 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 Headquarter 100,000 square foot



US Headquarter 20,000 square foot

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.

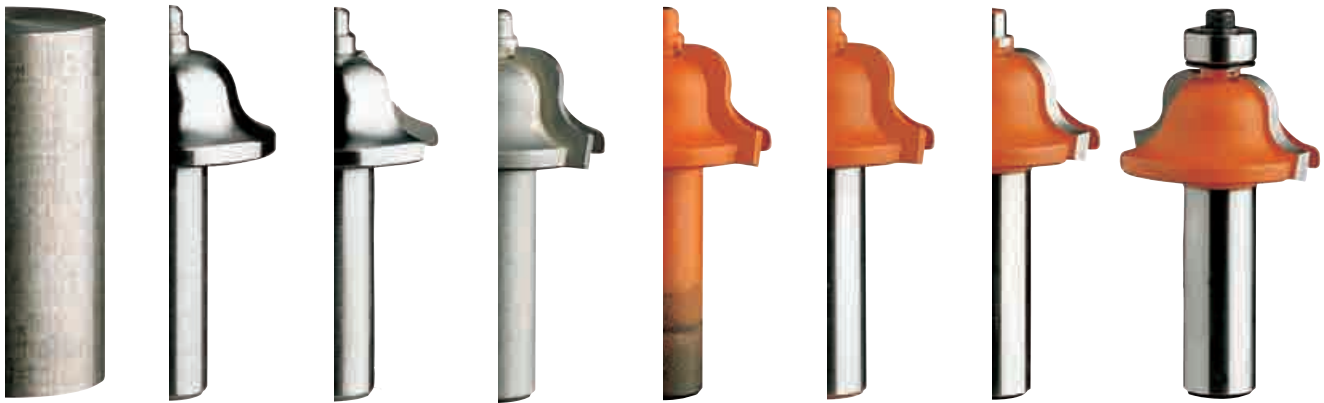
DESIGN - Everything starts with a clear idea and having the potential to express it. We have both. At CMT, our technical department uses the best of both worlds - computer technology and hands-on experience - to engineer and design each tool so that it performs flawlessly each time you use it, and to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

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 buildup and burning. And we really like the orange color too.

CMT ORANGE TOOLS. Manufacturers of high quality woodworking tools since 1962, we are still proud to put "Made in Italy" on all our orange tools.



QUALITY CONTROL

- Nobody's perfect, but we're trying. CMT uses rigorous quality control programs and 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. CMT is in the process of adopting the directives set out in ISO 9001 which will give SPC quality control by an independent party under the Common Market Directives ISO 9001. Quality control is the final step of the production process, but it's just as important as the first.

WE RECYCLE

- The water used during production must be pure and free from contaminants or hard minerals like iron or calcium which can build up and damage the machinery. 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.

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.



Fully automated assembly and marking.

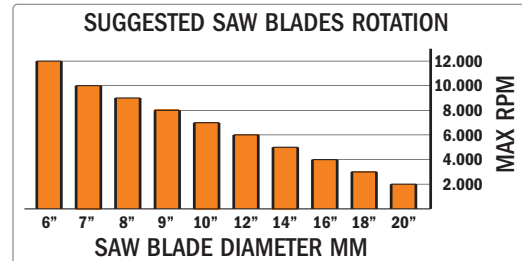


Loading the automated multi-axis CNC sharpening machines.

Saw blade safety

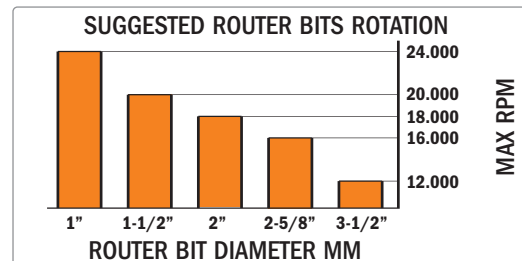
- ALWAYS** thoroughly check all blades for damage and flaws before using. Do not use blades with missing or damaged teeth.
- ALWAYS** wear safety glasses and ear protection when using power tools.
- ALWAYS** thoroughly read the owners manual and manufacturer's instructions before working with tools.
- 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.



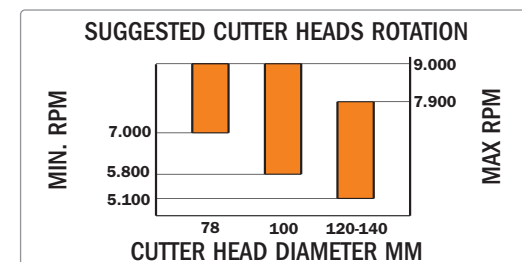
Router bits safety

- 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.





Saw Blades

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Circular Saw Blades



Great blade families, and more:

No matter which CMT blade you buy, you can rest easy knowing you are receiving the finest quality, a superior warranty and a host key features.

Industrial PTFE-Coated

A great choice for the shop that keeps its blades running all day, every day.

With their heavy-gauge plate, these blades have the stamina for saws with lots of power.



Features

- German Steel 46-48 Rc
- Micrograin Carbide
- Anti-vibration design
- Expansion slots to reduce noise
- Laser cutting steel plate
- Tri-metal brazing
- Orange PTFE-Coated
- Balancing and Tensioning Ring

Industrial

Intended primarily for large panel saws and industrial woodworking machinery.

Note: these blades are listed with metric dimensions to match your machine specs.



Features

- German Steel 46-48 Rc
- Chrome Carbide
- Anti-vibration design
- Expansion slots to reduce noise
- Laser cutting steel plate
- Tri-metal brazing
- Balancing and Tensioning Ring

ITK™ Industrial Thin kerf

Thinner plates make the ITK line ideal for saws that are a bit underpowered, but they also deliver a hard day's work, and these prices make them an incredible value.



Features

- German Steel 46-48 Rc
- Micrograin Carbide
- Anti-vibration design
- Expansion slots to reduce noise
- Laser cutting Thin Kerf steel plate
- Tri-metal brazing
- Tensioning Ring

ITK™ Contractor

Designed for the contractors, these blades are the perfect choice combining smooth performance at affordable prices.



Features

- Heavy-duty steel plate
- Thin-Kerf for faster cuts
- Construction Carbide for longer life
- Expansion slots to prevent warping and reduce vibrations

Plus: Dado sets, Box & Finger Joint set, Biscuit Joiner, Hardieplank® and Stabilizer Blades

Industrial Ripping Blades



201- 202

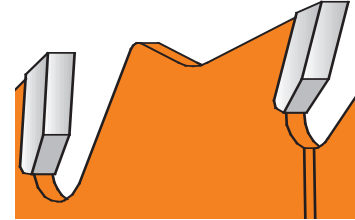
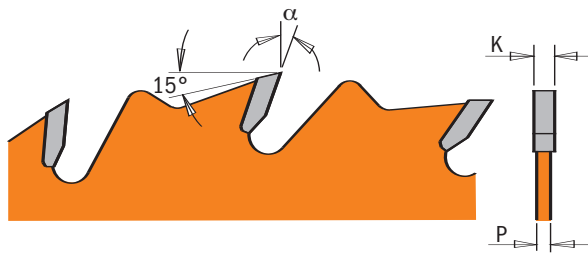
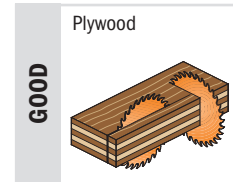
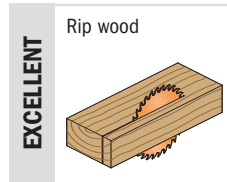
APPLICATION: for fast, smooth, heavy-duty rip cuts

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

MATERIAL: soft and hard wood.



CARBIDE GRADE	HARDNESS	HRA	91.5
	RUPTURE STRENGTH	P.S.I.	377,000



ORDER NO.	D		T	B	β	K	P	α
	inches	mm						
201.020.08	8	203	20	5/8 <>	FTG	0.126	0.087	20°
201.024.10	10	254	24	5/8 <>	FTG	0.126	0.087	20°
201.030.12	12	305	30	1	FTG	0.126	0.087	20°
<i>Thin-Kerf</i>								
202.024.10	10	254	24	5/8	FTG	0.094	0.063	20°

Industrial Glue Line Ripping Blades



203

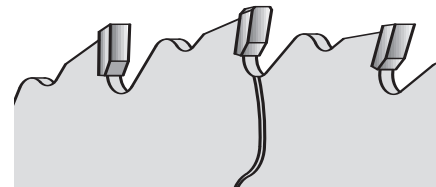
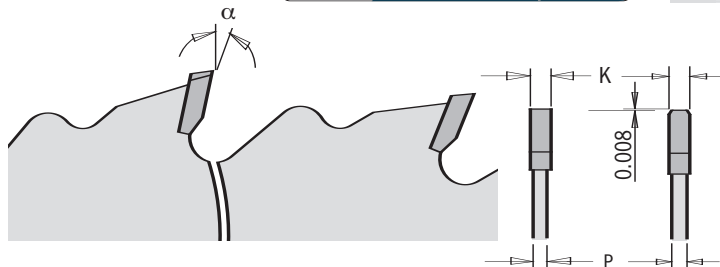
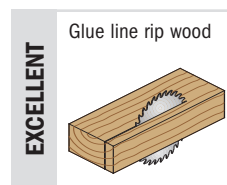
APPLICATION: for heavy-duty glue line rip cuts with exceptional finish.

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

MATERIAL: soft and hard wood.



CARBIDE GRADE	HARDNESS	HRA	92.7
	RUPTURE STRENGTH	P.S.I.	334,000



ORDER NO.	D		T	B	β	K	P	α
	inches	mm						
203.030.08	8	203	30	5/8	1 TCG+1 FTG	0.126	0.087	12°
203.030.10	10	254	30	5/8	1 TCG+1 FTG	0.126	0.087	12°
203.036.12	12	305	36	1	1 TCG+1 FTG	0.165	0.110	12°
203.036.14	14	355	36	1	1 TCG+1 FTG	0.165	0.110	12°



213-214

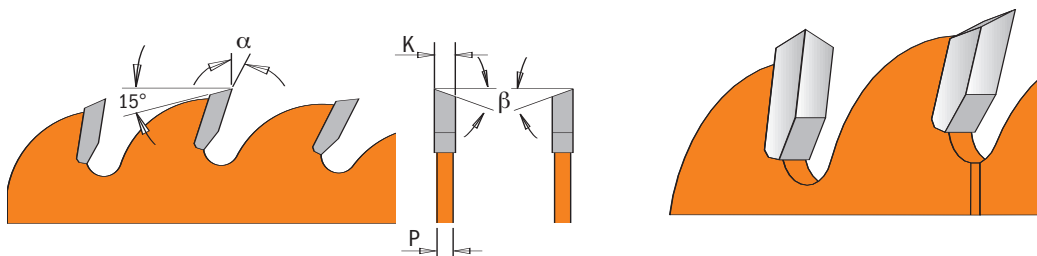
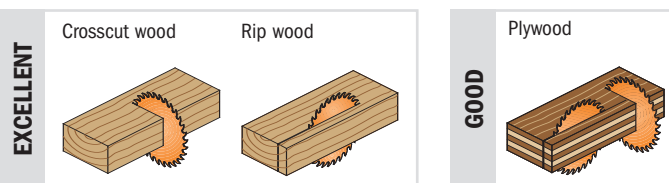
APPLICATION: for rip and crosscuts with exceptional finish.

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

MATERIAL: excellent in soft and hard wood, good in plywood.



CARBIDE GRADE	HARDNESS	HRA	92.7
	RUPTURE STRENGTH	PS.I.	334,000



ORDER NO.	D inches	D mm	T	B inches	β	K inches	P inches	α
213.040.10	10	254	40	5/8	20° ATB	0.126	0.098	18°
Thin-Kerf								
214.040.10	10	254	40	5/8	20° ATB	0.102	0.071	18°

Industrial General Purpose Blades



285

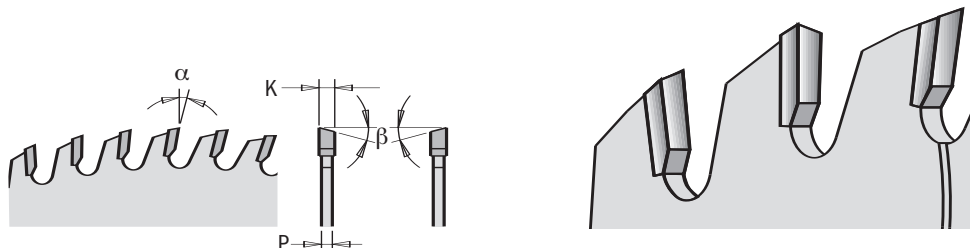
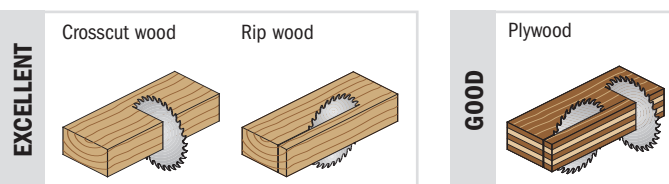
APPLICATION: for rip and crosscuts with exceptional finish.

MACHINES: radial arm saws, miter saws, table and special saws with 30mm arbor.

MATERIAL: excellent in soft and hard wood, good in plywood.



CARBIDE GRADE	HARDNESS	HRA	93.61
	RUPTURE STRENGTH	PS.I.	298,000



ORDER NO.	D mm	T	B mm	Pin Hole $\Phi \oplus \Phi$	β	K inches	P inches	α
For machines with 30mm arbor								
285.040.10M	250	40	30	2/10/60 + 2/7/42	10° ATB	0.126	0.087	15°
285.048.12M	300	48	30	2/10/60 + 2/7/42	10° ATB	0.126	0.087	15°
285.054.14M	350	54	30	2/10/60 + 2/7/42	10° ATB	0.138	0.098	15°

Industrial Cut-Off ATB Blades



205 - 206 - 208

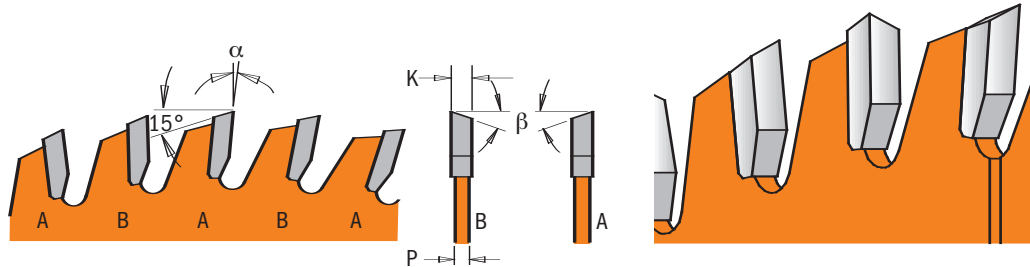
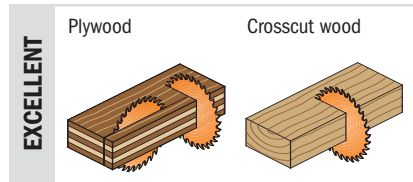
APPLICATION: for heavy-duty crosscuts for industrial cabinetmakers.

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

MATERIAL: soft/hard wood and plywood.



CARBIDE GRADE	HARDNESS	HRA	93.6
	RUPTURE STRENGTH	PS.I.	334,000



ORDER NO.	D		T	B	β	K	P	α
	inches	mm				inches	inches	
208.040.07	7-1/4	184	40	5/8<>	20° ATB	0.091	0.059	15°
208.040.08	8	203	40	5/8	20° ATB	0.102	0.063	15°
205.060.10	10	254	60	5/8	20° ATB	0.102	0.079	5°
<i>Thin-Kerf</i>								
206.060.10	10	254	60	5/8	20° ATB	0.094	0.063	15°

Industrial Cut-Off ATB Blades



285

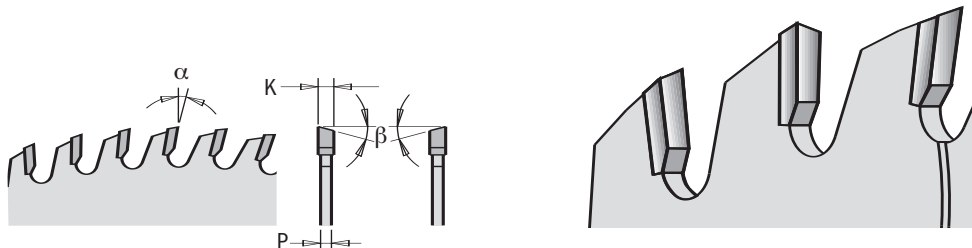
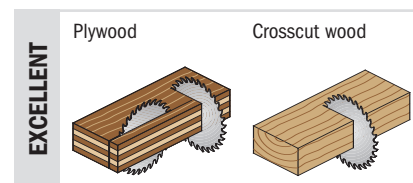
APPLICATION: for heavy-duty crosscuts for industrial cabinetmakers.

MACHINES: radial arm saws, miter saws, table and special saws with 30mm arbor.

MATERIAL: soft/hard wood and plywood.



CARBIDE GRADE	HARDNESS	HRA	93.61
	RUPTURE STRENGTH	PS.I.	298,000



ORDER NO.	D mm	T	B mm	Pin Hole Φ	β	K inches	P inches	α
<i>For machines with 30mm arbor</i>								
285.060.10M	250	60	30	2/10/60 + 2/7/42	15° ATB	0.126	0.087	10°
285.072.12M	300	72	30	2/10/60 + 2/7/42	15° ATB	0.126	0.087	10°
285.072.14M	350	72	30	2/10/60 + 2/7/42	10° ATB	0.138	0.098	15°

Industrial Melamine & Cut-Off Blades



Saw Blades

Router Bits

Router Bits Sets

Jigs & Accessories

CNC Router Bits & Chucks

Dowel Drills

Boring Bits

Cutter Heads & Knives

Spare Parts



210

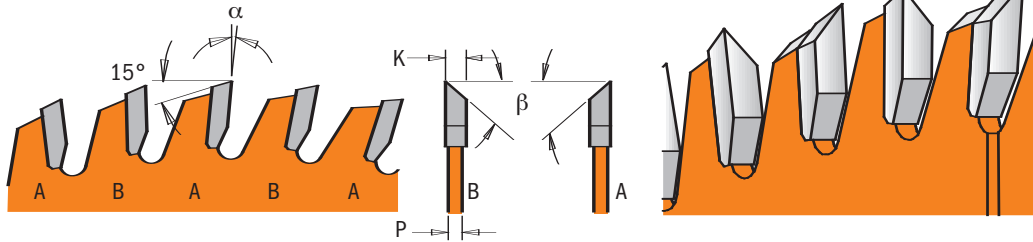
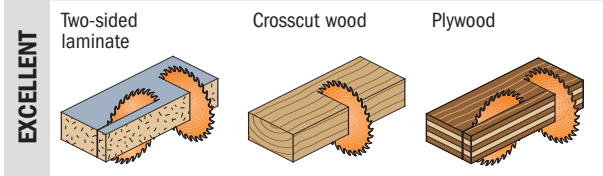
APPLICATION: for crosscuts, perfect finishing on 2-sided laminated panels without the scoring blade.

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

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



CARBIDE GRADE	HARDNESS	HRA	93.6
	RUPTURE STRENGTH	PS.I.	334,000



ORDER NO.	D inches	D mm	T	B inches	β	K inches	P inches	α
210.060.08	8	203	60	5/8	40° ATB	0.126	0.087	5°
210.080.10	10	254	80	5/8	40° ATB	0.126	0.087	5°
210.096.12	12	305	96	1	40° ATB	0.126	0.087	5°

Industrial Melamine & Fine Cut-Off Blades



283

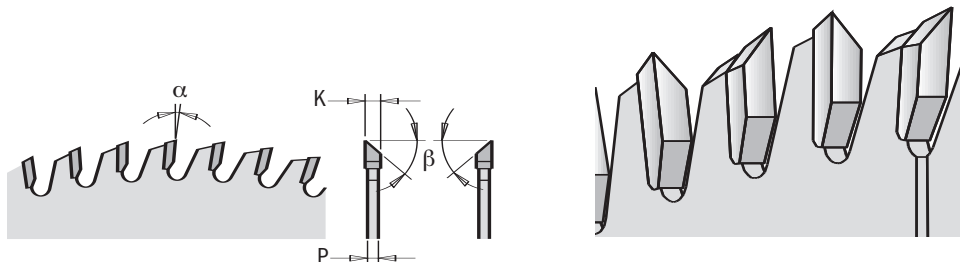
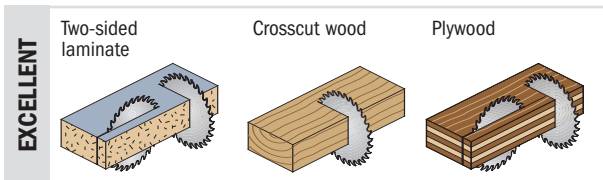
APPLICATION: for crosscuts, perfect finishing on 2-sided laminated panels without the scoring blade.

MACHINES: radial arm saws, miter saws, circular saws, table and special saws with 30mm arbor.

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



CARBIDE GRADE	HARDNESS	HRA	93.6
	RUPTURE STRENGTH	PS.I.	334,000



ORDER NO.	D mm	T	B mm	Pin Hole ⌀	β	K inches	P inches	α
For machines with 30mm arbor								
283.064.09M	220	64	30	2/7/42	40° ATB	0.126	0.087	-5°
283.080.10M	250	80	30	2/10/60 + 2/7/42	40° ATB	0.126	0.087	-2°
283.096.12M	300	96	30	2/10/60 + 2/7/42	40° ATB	0.126	0.087	2°
283.108.14M	350	108	30	2/10/60 + 2/7/42	40° ATB	0.138	0.098	5°

Industrial Combination Blades

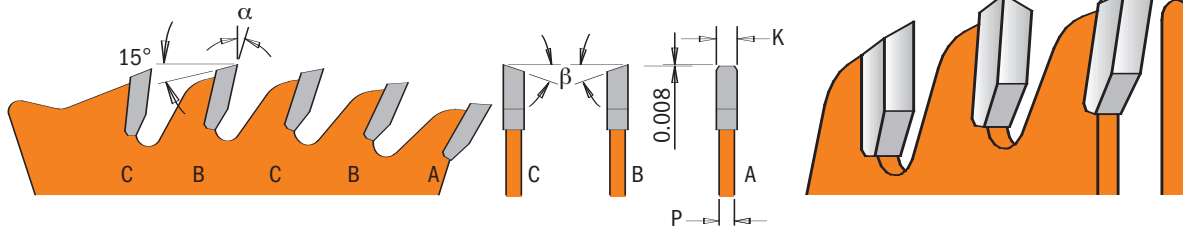
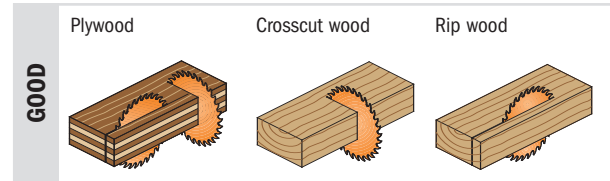


215 - 216

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/hard wood, plywood and chipboard.



CARBIDE GRADE	HARDNESS	HRA	92.7
	RUPTURE STRENGTH	PS.I.	334,000



ORDER NO.	D		T	B	β	K	P	α
	inches	mm		inches		inches	inches	
215.040.08	8	203	40	5/8	4 ATB + 1 TCG	0.126	0.087	12°
215.050.10	10	254	50	5/8	4 ATB + 1 TCG	0.126	0.087	12°
215.060.12	12	305	60	1	4 ATB + 1 TCG	0.126	0.087	12°
215.070.14	14	355	70	1	4 ATB + 1 TCG	0.138	0.098	12°
<i>Thin-Kerf</i>								
216.050.10	10	254	50	5/8	4 ATB + 1 TCG	0.094	0.063	12°

Industrial Sliding Compound Miter & Radial Blades

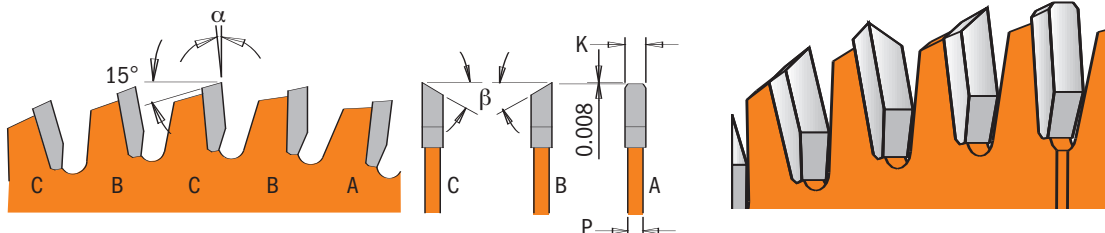
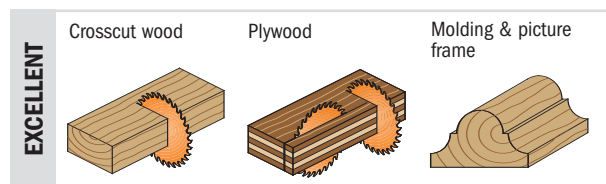


219

APPLICATION: for fine finish crosscuts. The 5° negative hook limit splintering and "climbing".
MACHINES: radial arm saws and sliding compound miter saws.
MATERIAL: soft/hard wood, plywood and 2-sided laminate.



CARBIDE GRADE	HARDNESS	HRA	93.6
	RUPTURE STRENGTH	PS.I.	334,000



ORDER NO.	D		T	B	β	K	P	α
	inches	mm		inches		inches	inches	
219.060.08	8-1/2	216	60	5/8	4 ATB +1TCG	0.118	0.098	-5°
219.080.10	10	254	80	5/8	4 ATB +1TCG	0.118	0.098	-5°
219.090.12	12	305	90	1	4 ATB +1TCG	0.118	0.098	-5°
219.100.14	14	355	100	1	4 ATB +1TCG	0.118	0.098	-5°
219.100.15	15	380	100	1	4 ATB +1TCG	0.118	0.098	-5°
219.100.16*	16	406	100	1	4 ATB +1TCG	0.118	0.098	-5°

* Until stock last

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.

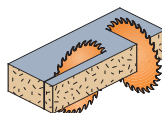
MATERIAL: chipboard, MDF, laminate, hardwood and plywood.



CARBIDE GRADE	HARDNESS HRA		93.6
	RUPTURE STRENGTH P.S.I.		334,000

EXCELLENT

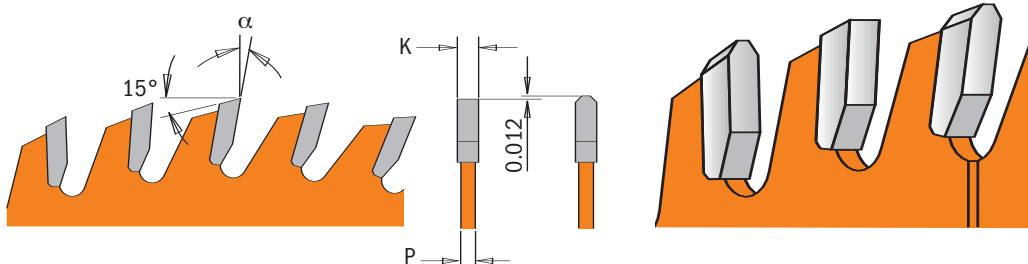
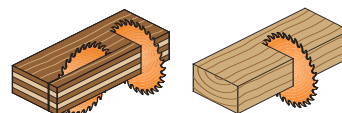
One-sided
laminate



GOOD

Plywood

Crosscut wood



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

Industrial Cabinetshop Blades



281

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

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

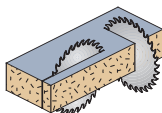
MATERIAL: chipboard, MDF, laminate, hardwood and plywood.



CARBIDE GRADE	HARDNESS HRA		93.6
	RUPTURE STRENGTH P.S.I.		334,000

EXCELLENT

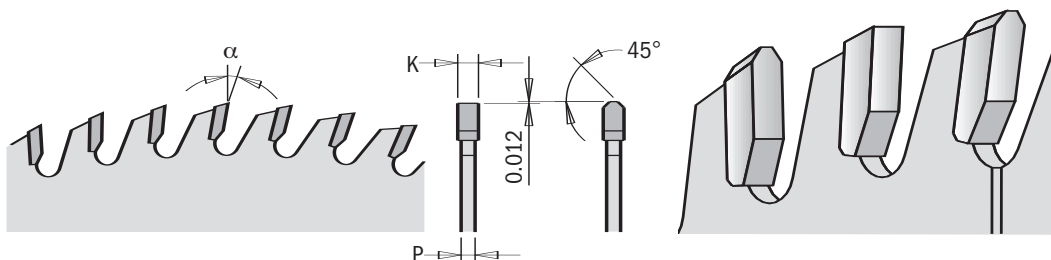
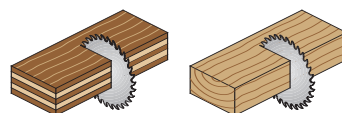
One-sided
laminate



GOOD

Cross plywood

Crosscut wood



ORDER NO.	D		T	B	β	K	P	α
	inches	mm		inches		inches	inches	
281.060.10	10	254	60	5/8	TCG	0.126	0.087	10°
281.072.12	12	305	72	1	TCG	0.126	0.087	10°
281.084.14	14	355	84	1	TCG	0.157	0.110	10°
281.096.16	16	406	96	1	TCG	0.157	0.110	10°

Industrial Solid Surface Blades



223

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

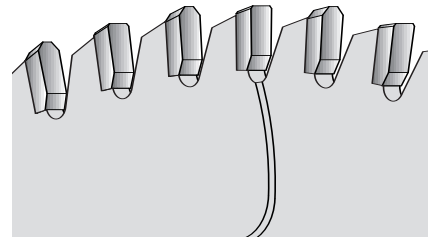
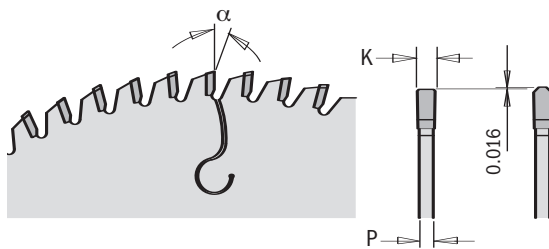
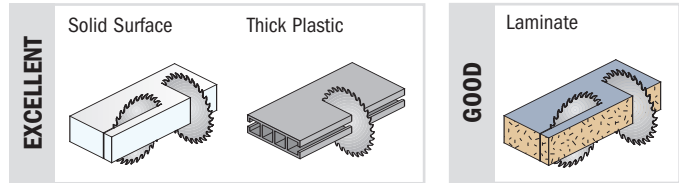
MACHINES: radial arm saws, table and special saws.

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

Safety Precautions: Not recommended for use on miter saws.



CARBIDE GRADE	HARDNESS	HRA	93.6
	RUPTURE STRENGTH	PS.I.	334,000



ORDER NO.	D		T	B	β	K	P	α
	inches	mm		inches		inches	inches	
223.072.10	10	254	72	5/8	MTCG	0.126	0.098	0°
223.084.12	12	305	84	1	MTCG	0.126	0.098	0°
223.096.14	14	355	96	1	MTCG	0.126	0.098	0°

Industrial Plexiglass and Plastic Blades



222

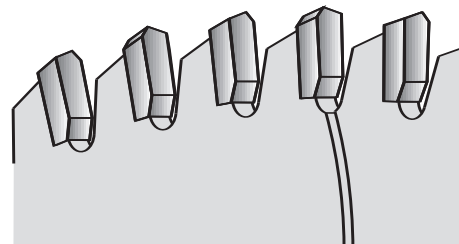
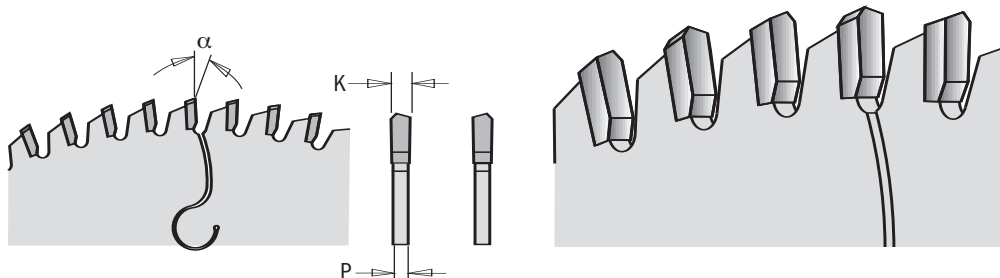
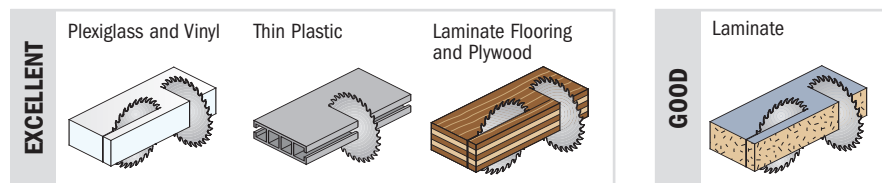
APPLICATION: for heavy-duty cutting, smooth finishing without melting.

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

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



CARBIDE GRADE	HARDNESS	HRA	93.6
	RUPTURE STRENGTH	PS.I.	334,000



ORDER NO.	D		T	B	β	K	P	α
	inches	mm		inches		inches	inches	
222.064.08	8	203	64	5/8	MATB	0.110	0.087	-3°
222.080.10	10	254	80	5/8	MATB	0.110	0.087	-3°
222.096.12	12	305	96	1	MATB	0.110	0.087	-3°
222.108.14	14	355	108	1	MATB	0.110	0.087	-3°

Industrial Non-Ferrous Metal, PVC & Melamine Blades



Saw Blades

Router Bits

Router Bits Sets

Jigs & Accessories

CNC Router Bits & Chucks

Dowel Drills

Boring Bits

Cutter Heads & Knives

Spare Parts



225

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

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

MATERIAL: Aluminum, brass, copper, Pvc and non-ferrous metals.

Safety Precautions: We highly recommend to use with LOW RPM chop saws only.

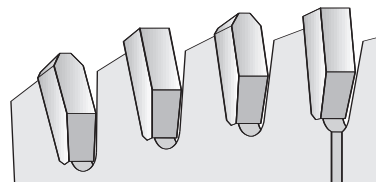
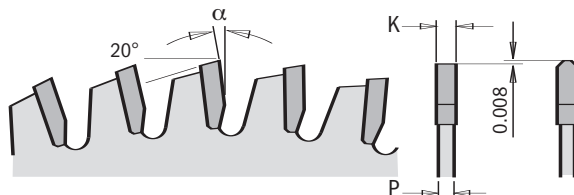
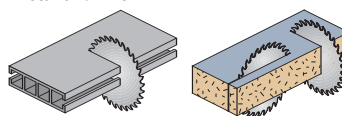


CARBIDE GRADE	HARDNESS	HRA	92.7
	RUPTURE STRENGTH	PS.I.	312,000

EXCELLENT

For all non-ferrous metal and PVC

Laminate



ORDER NO.	D inches	D mm	T	B inches	β	K inches	P inches	α
225.060.08	8-1/2	216	60	5/8	1 TCG + 1 FTG	0.122	0.098	-7°
225.080.10	10	254	80	5/8	1 TCG + 1 FTG	0.122	0.098	-7°
225.096.12	12	305	96	1	1 TCG + 1 FTG	0.122	0.098	-7°
225.108.14	14	355	108	1	1 TCG + 1 FTG	0.122	0.098	-7°

Industrial Dry Cut Steel Blades



226

APPLICATION: for fast cutting through iron, steel pipe, metal rods and sheet metal.

MACHINES: Low RPM metal chop saws such as Jepson™ machines.

MATERIAL: Iron and steel, rod and pipe, channel and rebar.

Safety Precautions: We highly recommend to use with LOW RPM chop saws only.



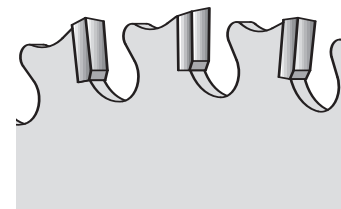
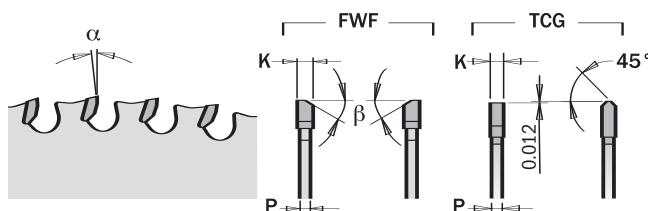
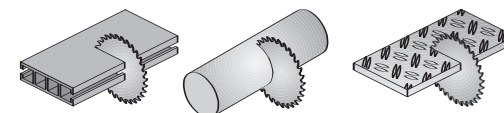
CARBIDE GRADE	HARDNESS	HRA	91.5
	RUPTURE STRENGTH	PS.I.	319,000

EXCELLENT

Iron & Steel

Rod and pipe

Sheet metal



ORDER NO.	D inches	D mm	T	B inches	β	K inches	P inches	α	MAX RPM
226.030.05	5-3/8	136	30	10mm	TCG	0.059	0.047	10°	6000
226.036.06	6-1/2	165	36	5/8	TCG	0.059	0.047	10°	4600
226.048.07	7-1/4	184	48	5/8<>	TCG	0.079	0.063	10°	3000
226.048.08	8-1/4	210	48	5/8<>	TCG	0.087	0.071	10°	3000
226.060.10	10	254	60	5/8	5° FWF	0.087	0.071	0°	3000
226.060.12	12	305	60	1	5° FWF	0.087	0.071	0°	2500
226.080.12	12	305	80	1	5° FWF	0.087	0.071	0°	2500
226.080.14	14	355	80	1	5° FWF	0.087	0.071	0°	2100
226.090.14	14	355	90	1	5° FWF	0.087	0.071	0°	2100

Industrial Panel Sizing Saw Blades



Available on request

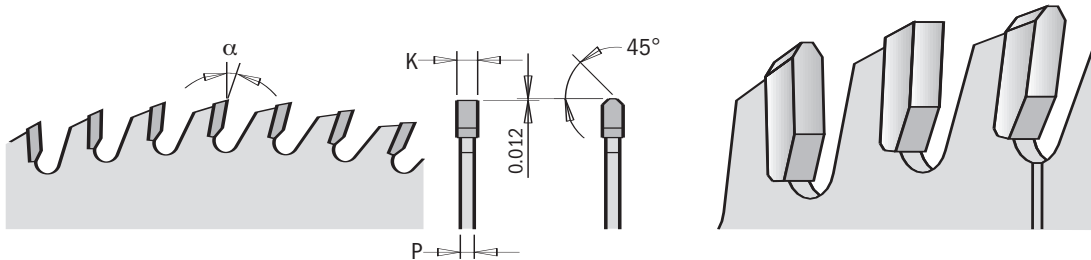
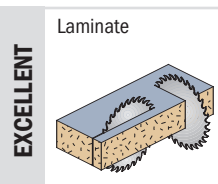
281 - 282

APPLICATION: for industrial sizing single sheets and multiple panels.

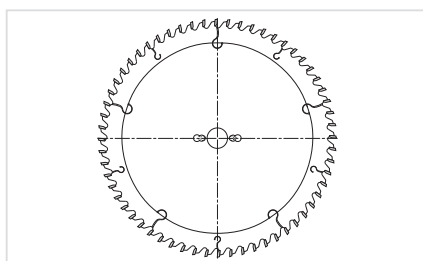
MACHINES: horizontal panel sizing machines.

MATERIAL: One-sided or two-sided plastic-laminate panels, MDF.

CARBIDE GRADE	HARDNESS	HRA	93.6
	RUPTURE STRENGTH	PS.I.	334,000

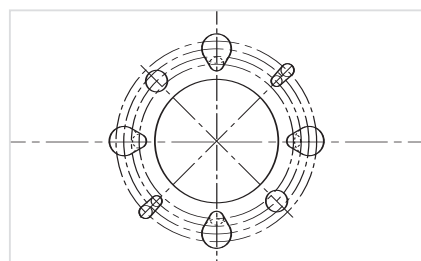


ORDER NO.	D mm	T mm	B mm	Pin Hole ⊕⊗	β	K mm	P mm	α
281.064.09M	220	64	30	2/7/42	TCG	3.2	2.2	10°
281.060.10M	250	60	30	2/10/60+2/7/42	TCG	3.2	2.2	10°
281.080.10M	250	80	30	2/10/60+2/7/42	TCG	3.2	2.2	10°
282.060.12M	300	60	30	2/10/60	TCG	4.4	3.2	16°
281.072.12M	300	72	30	2/10/60+2/7/42	TCG	3.2	2.2	10°
282.060.12X	300	60	75	COMBI5	TCG	4.4	3.2	16°
282.060.12W	300	60	80	COMBI5	TCG	4.4	3.2	16°
282.072.14M	350	72	30	4/9/100	TCG	4.4	3.2	16°
281.096.12M	300	96	30	2/10/60+2/7/42	TCG	3.2	2.2	10°
282.072.14T	350	72	50	3/12.5/80	TCG	4.4	3.2	16°
282.072.14W	350	72	80	COMBI5	TCG	4.4	3.2	16°
282.072.14X	350	72	75	4/15/105	TCG	4.4	3.2	16°
281.108.14M	350	108	30	2/10/60+2/7/42	TCG	3.5	2.5	10°
282.072.15U	380	72	60	COMBI7	TCG	4.8	3.5	16°
282.072.16U	400	72	60	COMBI7	TCG	4.4	3.2	16°
282.072.16M	400	72	30	2/10/60	TCG	4.4	3.2	16°
282.072.16X	400	72	75	4/15/105	TCG	4.4	3.2	16°
282.072.16W	400	72	80	COMBI5	TCG	4.4	3.2	16°
282.072.16W2	400	72	80	2/9/130+4/19/120	TCG	4.4	3.2	16°
282.072.17X	430	72	75	4/15/105	TCG	4.4	3.2	16°
282.072.17W2	430	72	80	COMBI5	TCG	4.4	3.2	16°
282.072.18U	450	72	60	COMBI7	TCG	4.8	3.5	16°
282.072.18W2	450	72	80	COMBI5	TCG	4.8	3.5	16°
282.072.20U	500	72	60	COMBI7	TCG	4.8	3.5	16°
Y282.072.20W	500	72	80	COMBI5	TCG	4.8	3.5	16°
282.072.22A	550	72	100		TCG	5.2	3.5	16°



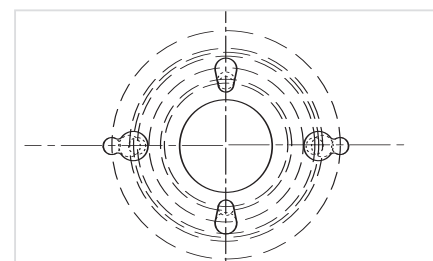
COMBI3 PIN HOLE:

2/7/42mm 2/9,5/46,5mm 2/10/60mm



COMBI5 PIN HOLE:

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



COMBI7 PIN HOLE:

2/10/80mm 1/11/85mm 2/11/115mm
2/11/148mm 2/14/100mm 2/14/125mm

Industrial Conical Scoring Blades



Available on request

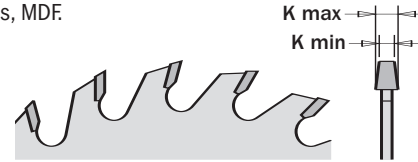
288

APPLICATION: for chip-free scoring of the plastic-laminate panels.

MACHINES: horizontal and vertical panel sizing machines equipped with scoring device.

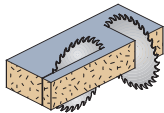
MATERIAL: One-sided or two-sided plastic-laminate panels, MDF.

CARBIDE GRADE	HARDNESS	HRA	93.6
	RUPTURE STRENGTH	PS.I.	334,000



EXCELLENT

Laminate



ORDER NO.	D mm	T	B mm	Pin Hole 	β	K mm
288.100.20H	100	20	20		CONICAL	3.1-4.0
288.120.24H	120	24	20		CONICAL	3.1-4.0
288.120.24K	120	24	22		CONICAL	3.1-4.0
288.125.24H	125	24	20		CONICAL	3.1-4.0
288.125.24H2	125	24	20		CONICAL	4.3-5.5
288.125.24K	125	24	22		CONICAL	3.1-4.0
288.125.24Q	125	24	45		CONICAL	4.3-5.5
Y288.140.24E	140	24	16	1/6/33	CONICAL	3.1-4.0
288.150.36Q	150	36	45		CONICAL	4.3-5.5
288.160.36Q	160	36	45	3/11/70	CONICAL	4.3-5.5
288.160.360	160	36	55	3/7/66	CONICAL	4.3-5.5
Y288.160.3602	160	36	55	3/7/66	CONICAL	4.7-6.0
Y288.180.36H	180	36	20		CONICAL	4.3-5.5
288.180.36M	180	36	30		CONICAL	4.3-5.5
288.180.36Q	180	36	45		CONICAL	4.7-6.0
288.180.44T	180	44	50	3/12.5/80	CONICAL	4.3-5.5
288.180.360	180	36	55		CONICAL	5.0-6.2
288.200.36H	200	36	20		CONICAL	4.3-5.5
288.200.36Q	200	36	45		CONICAL	4.7-6.0
288.200.36J	200	36	65	2/9/110	CONICAL	4.3-5.5
288.215.42T	215	42	50	3/15/80	CONICAL	4.3-5.5
288.300.48T	300	36	50	3/15/80	CONICAL	4.3-5.5
288.300.72J	300	72	65	2/9/110	CONICAL	4.3-5.5

Industrial Adjustable Scoring Blades



Available on request

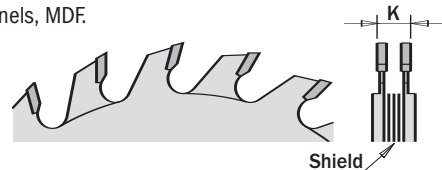
289

APPLICATION: for chip-free scoring of the plastic-laminate panels.

MACHINES: horizontal and vertical panel sizing machines equipped with scoring device.

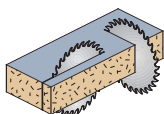
MATERIAL: One-sided or two-sided plastic-laminate panels, MDF.

CARBIDE GRADE	HARDNESS	HRA	93.6
	RUPTURE STRENGTH	PS.I.	334,000



EXCELLENT

Laminate



ORDER NO.	D mm	T	B mm	β	K mm
289.100.20H	100	10+10	20	FLAT	2.8-3.6
289.100.20K	100	10+10	22	FLAT	2.8-3.6
289.120.24H	120	12+12	20	FLAT	2.8-3.6
289.120.24K	120	12+12	22	FLAT	2.8-3.6
289.125.24H	125	12+12	20	FLAT	2.8-3.6
289.125.24K	125	12+12	22	FLAT	2.8-3.6

Ultra ITK Blades for Cordless Saws



271-272-226

APPLICATION: for rip and crosscut.

MACHINES: portable and cordless circular saws.

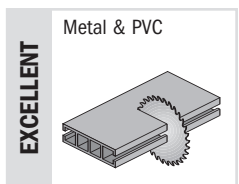
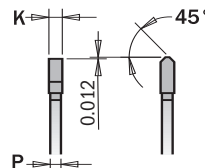
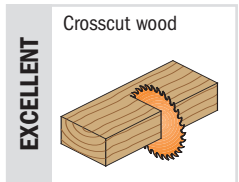
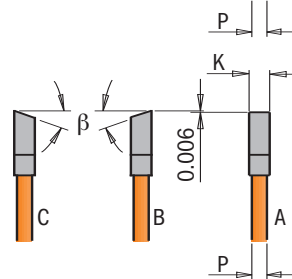
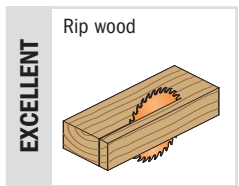
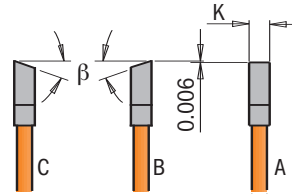
MATERIAL: soft/hard wood and plywood for serie 271-272. Metal and Pvc for serie 226.



CARBIDE GRADE 271	HARDNESS	HRA	91.5
	RUPTURE STRENGTH	PS.I.	377,000

CARBIDE GRADE 272	HARDNESS	HRA	91.5
	RUPTURE STRENGTH	PS.I.	377,000

CARBIDE GRADE 226	HARDNESS	HRA	91.5
	RUPTURE STRENGTH	PS.I.	319,000



ORDER NO.	D		T	B	β	K	P	α	Application
	inches	mm		inches		inches	inches		
271.136.18D	5-3/8	136	18	10mm	1FTG+2/20° ATB	0.059	0.039	20°	Rip
271.165.18	6-1/2	165	18	5/8	1FTG+2/20° ATB	0.051	0.031	20°	Rip
272.136.36D	5-3/8	136	36	10mm	1FTG+2/15° ATB	0.051	0.031	20°	Crosscut
272.165.36	6-1/2	165	36	5/8	1FTG+2/20° ATB	0.051	0.031	20°	Crosscut
226.030.05	5-3/8	136	30	10mm	TCG	0.059	0.047	0°	Metal & PVC
226.036.06	6-1/2	165	36	5/8	TCG	0.059	0.047	0°	Metal & PVC

Diamond Saw Blades for Fiber Cement Products



new



236

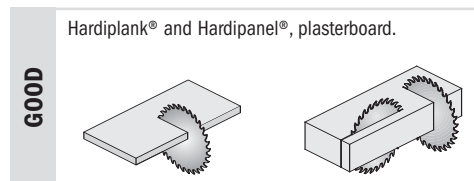
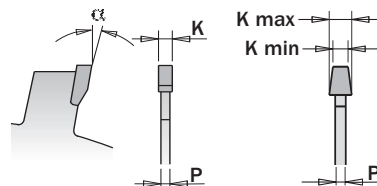
APPLICATION: for long life cuts up to 60 times than carbide blades.

MACHINES: portable circular saws and miter saws.

MATERIAL: Hardiplank®, Hardiepanel®, fiber cement products and plasterboard.



60X
LONGER LIFE
THAN CARBIDE



ORDER NO.	D		Pin hole	T	B	K	P	β
	inches	mm	Φ		inches	inches	inches	
236.004.07	7-1/4	184	2/8/110	4	5/8 <>	0.087	0.063	CONICAL
236.006.10	10	254		6	5/8	0.087	0.063	CONICAL
236.008.12	12	305		8	1	0.087	0.063	CONICAL

ITK Framing/Decking Blades

CMT ORANGE
TOOLS®

250

APPLICATION: for framing/decking and general construction. Faster cuts thanks to the hollow ground teeth.

MACHINES: portable and cordless circular saws.

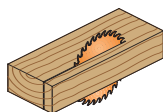
MATERIAL: lumber, plywood, OSB sheets.



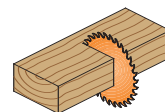
CARBIDE GRADE	HARDNESS	HRA	91.5
	RUPTURE STRENGTH	P.S.I.	377,000

EXCELLENT

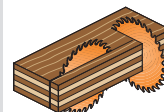
Rip wood



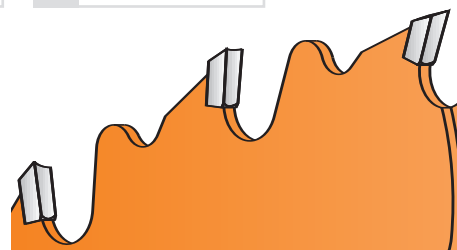
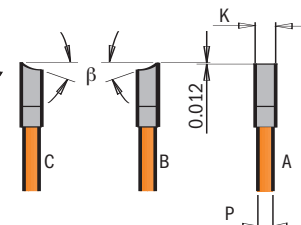
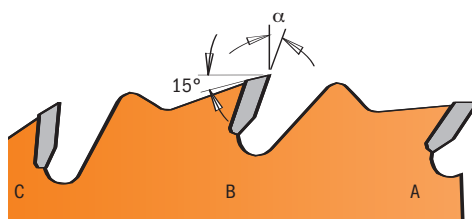
Crosscut wood


GOOD

Plywood



10 pcs. in Masterpack



ORDER NO.		D		T	B	β	K	P	α
1 pc.	Masterpack 10 pcs.	inches	mm		inches		inches	inches	
250.024.07	250.024.07-X10	7-1/4	184	24	5/8 <>	15° HDF	0.071	0.047	20°

ITK Finish Blades


251

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

MACHINES: portable and cordless circular saws.

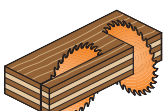
MATERIAL: soft/hard wood, plywood.



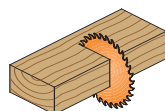
CARBIDE GRADE	HARDNESS	HRA	91.5
	RUPTURE STRENGTH	P.S.I.	377,000

EXCELLENT

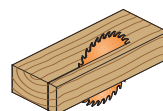
Plywood



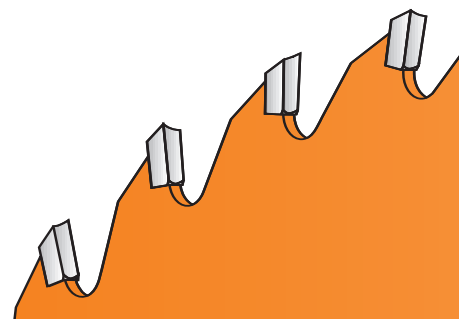
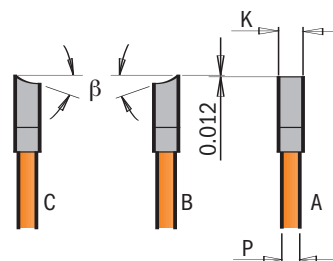
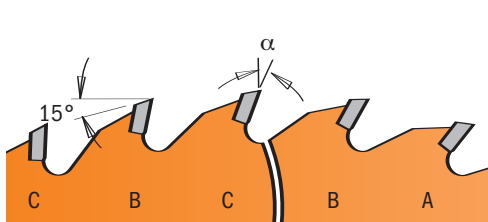
Crosscut wood


GOOD

Rip wood



10 pcs. in Masterpack



ORDER NO.		D		T	B	β	K	P	α
1 pc.	Masterpack 10 pcs.	inches	mm		inches		inches	inches	
251.040.07	251.040.07-X10	7-1/4	184	40	5/8 <>	20° HDF	0.071	0.047	20°

ITK Rip Blades



250

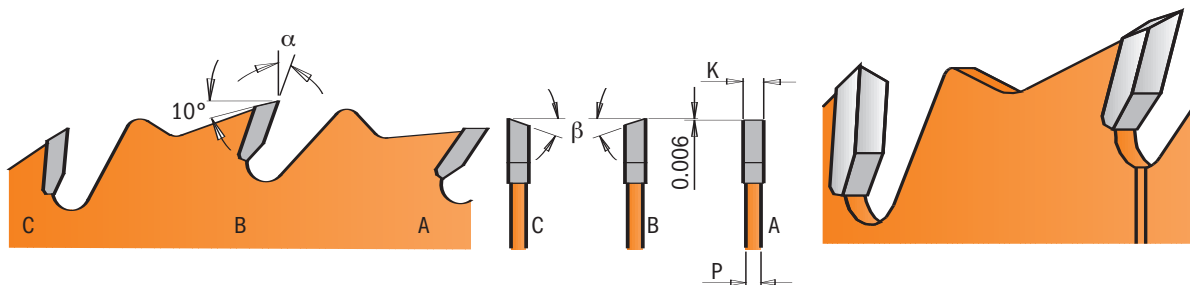
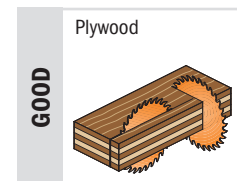
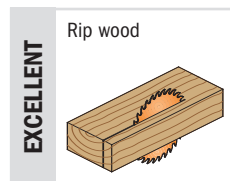
APPLICATION: for fast rip cuts thanks to the Thin Kerf design.

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

MATERIAL: soft and hard wood.



CARBIDE GRADE	HARDNESS	HRA	91.5
	RUPTURE STRENGTH	PS.I.	377,000



ORDER NO.	D inches	mm	T	B inches	β	K inches	P inches	α
250.024.08	8-1/4	209.5	24	5/8 <>	1FTG+2/15° ATB	0.075	0.047	20°
250.024.10	10	254	24	5/8	1FTG+2/15° ATB	0.098	0.071	20°

ITK General Purpose Blades



251

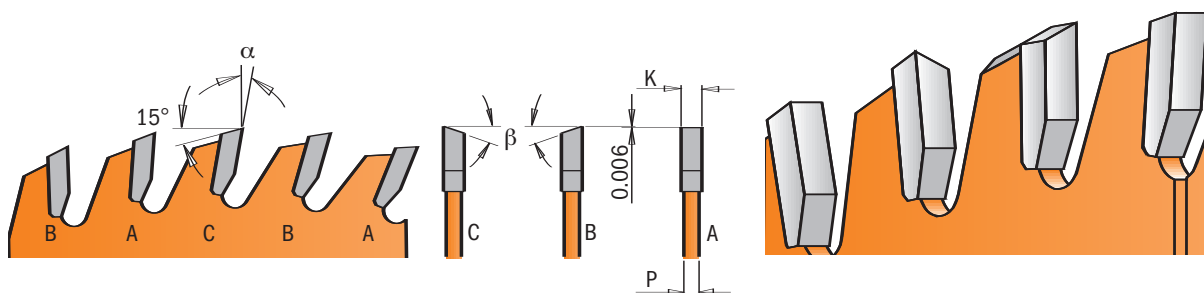
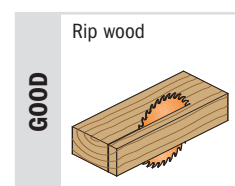
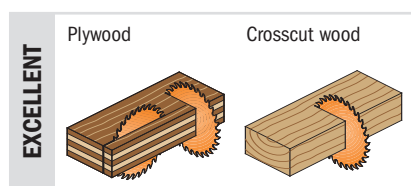
APPLICATION: for fast rip and crosscuts thanks to the Thin Kerf design.

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

MATERIAL: soft/hard wood and plywood.



CARBIDE GRADE	HARDNESS	HRA	93.6
	RUPTURE STRENGTH	PS.I.	334,000



ORDER NO.	D inches	mm	T	B inches	β	K inches	P inches	α
251.040.08	8-1/4	210	40	5/8 <>	1FTG+2/15° ATB	0.075	0.047	20°
251.042.10	10	254	42	5/8	1FTG+2/15° ATB	0.098	0.071	15°
251.042.12	12	305	45	1	1FTG+2/15° ATB	0.110	0.087	15°

ITK Fine Cut-Off Blades

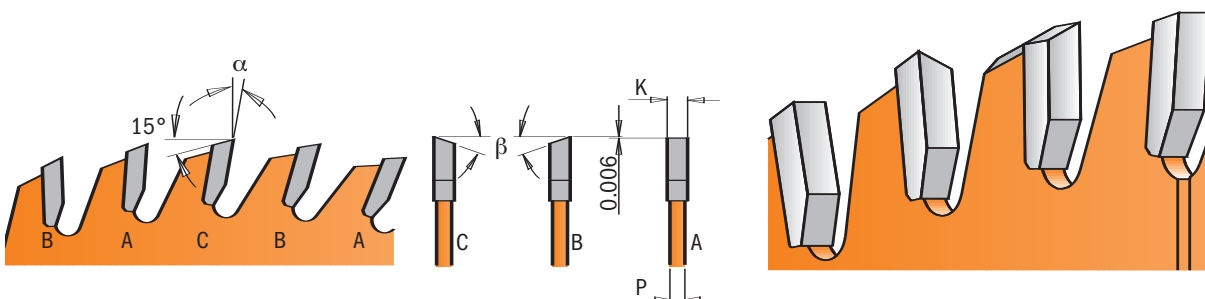
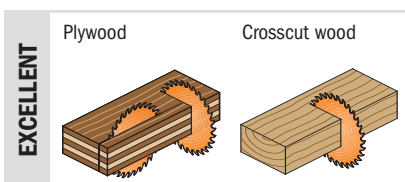
CMT ORANGE TOOLS®

252
APPLICATION: for fast extra-clean crosscuts and occasional rip as well.

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

MATERIAL: soft/hard wood and plywood.


CARBIDE GRADE	HARDNESS	HRA	93.6
	RUPTURE STRENGTH	PS.I.	334,000



ORDER NO.	D		T	B	β	K	P	α
	inches	mm		inches		inches	inches	
252.060.10	10	254	60	5/8	1FTG+2/20° ATB	0.098	0.071	15°
252.072.12	12	305	72	1	1FTG+2/20° ATB	0.110	0.087	15°
252.096.14	14	355	96	1	1FTG+2/20° ATB	0.110	0.087	15°

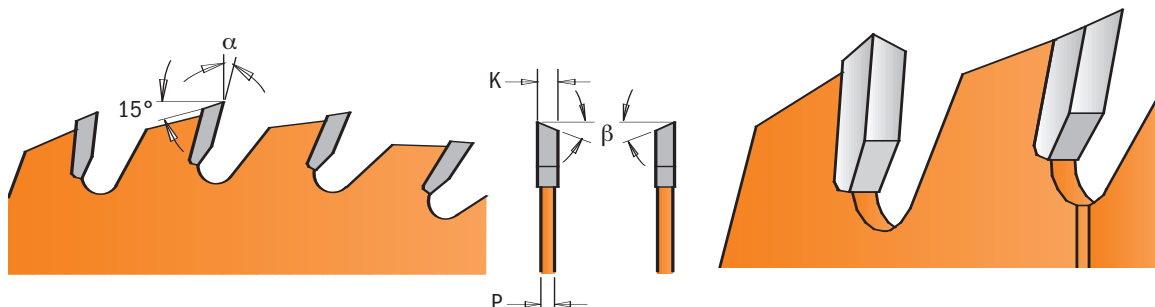
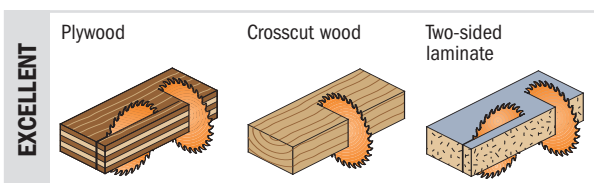
ITK Fine Finish Blades


255
APPLICATION: for crosscuts, fine finishing on 2-sided laminated panels without the scoring blade.

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

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


CARBIDE GRADE	HARDNESS	HRA	91.5
	RUPTURE STRENGTH	PS.I.	377,000



ORDER NO.	D		T	B	β	K	P	α
	inches	mm		inches		inches	inches	
255.080.10	10	254	80	5/8	40° ATB	0.098	0.071	15°
255.096.12	12	305	96	1	40° ATB	0.110	0.087	15°

ITK Combination Blades

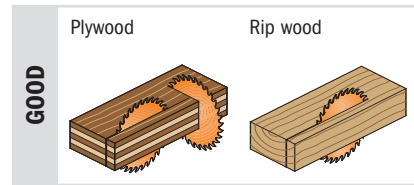
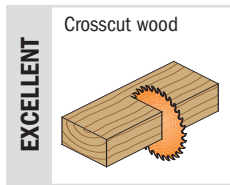


256

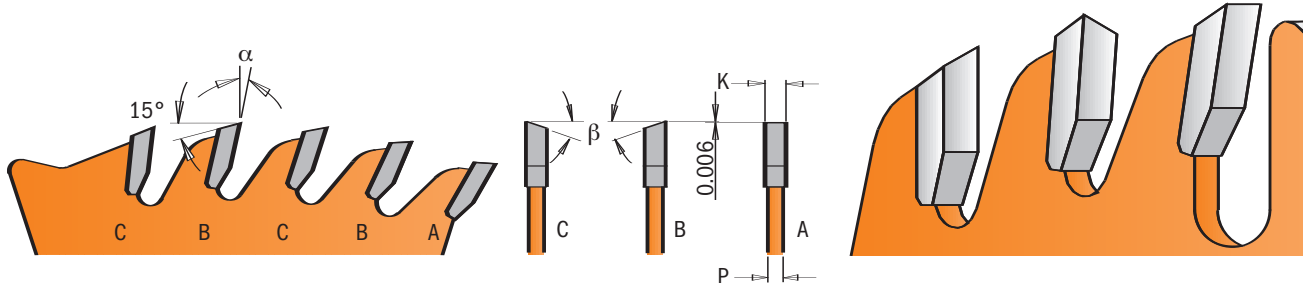
APPLICATION: for rip and crosscuts. The large gullets allow deep cuts and effective chip clearance.
MACHINES: radial arm saws, miter saws, circular saws, table saws.
MATERIAL: soft/hard wood, plywood.



CARBIDE GRADE	HARDNESS	HRA	91.5
	RUPTURE STRENGTH	P.S.I.	377,000



10 pcs. in Masterpack



ORDER NO.		D		T	B	β	K	P	α
1 pc.	Masterpack 10 pcs.	inches	mm		inches		inches	inches	
256.030.07	256.030.07-X10	7-1/4	184	30	5/8 <>	1FTG+4/20° ATB	0.075	0.047	20°
256.035.08		8-1/4	209.5	35	5/8 <>	1FTG+4/20° ATB	0.075	0.047	15°
256.050.10		10	254	50	5/8	1FTG+4/20° ATB	0.098	0.071	15°

ITK Finish Compound Miter Blades

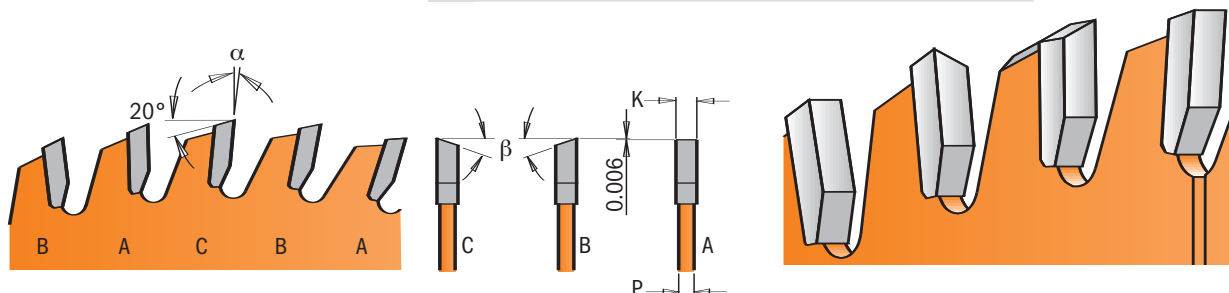
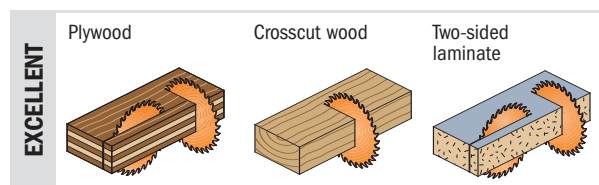


253

APPLICATION: for fine finish crosscuts. Glass-smooth finish on your miter cuts.
MACHINES: compound miter saws.
MATERIAL: soft/hard wood, plywood, two-sided laminate.



CARBIDE GRADE	HARDNESS	HRA	93.6
	RUPTURE STRENGTH	P.S.I.	334,000



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

ITK Contractor Framing/Decking Blades

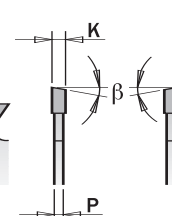
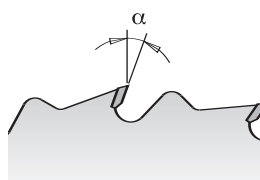
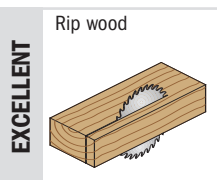
new

CMT ORANGE
TOOLS®

K02407-X10

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

CARBIDE GRADE	HARDNESS	HRA	91.5
	RUPTURE STRENGTH	PS.I.	377,000



10 pcs. in Masterpack



ORDER NO. Masterpack 10 pcs.	D		T	B	β	K	P	α
K02407-X10	inches	mm		inches		inches	inches	
	7-1/4	184	24	5/8 <	10° ATB	0.070	0.047	20°

ITK Contractor Finishing Blades

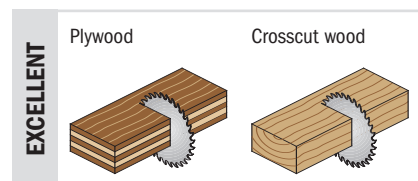
new



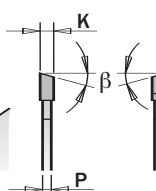
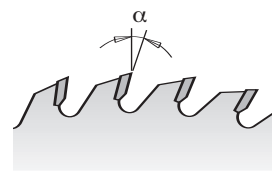
K04007-X10

APPLICATION: for finish crosscuts.**MACHINES:** portable and cordless circular saws.**MATERIAL:** soft/hard wood, lumber, plywood, OSB sheets.

CARBIDE GRADE	HARDNESS	HRA	92.1
	RUPTURE STRENGTH	PS.I.	334,000



10 pcs. in Masterpack



ORDER NO. Masterpack 10 pcs.	D		T	B	β	K	P	α
K04007-X10	inches	mm		inches		inches	inches	
	7-1/4	184	40	5/8 <	10° ATB	0.070	0.047	20°

ITK Contractor Ripping Blades

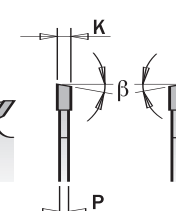
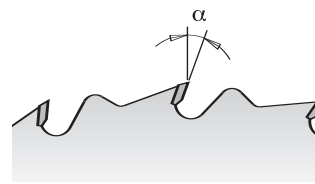
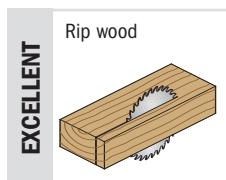
new



K02410 - K02412

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

CARBIDE GRADE	HARDNESS	HRA	92.1
	RUPTURE STRENGTH	PS.I.	334,000



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

ITK Contractor General Purpose Blades

new

CMT ORANGE TOOLS®



K04010 - K04012

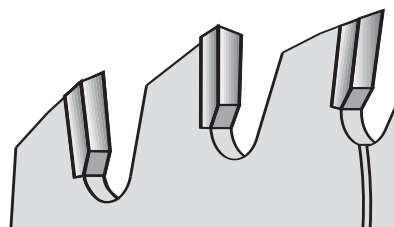
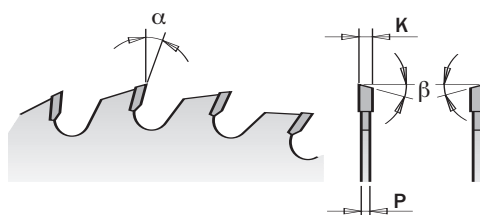
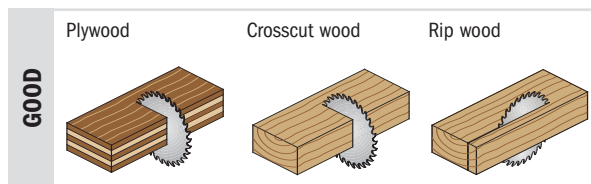
APPLICATION: for accurate rip and crosscuts.

MACHINES: portable benchtop and table saws.

MATERIAL: soft/hard wood and plywood.



CARBIDE GRADE	HARDNESS	HRA	92.1
	RUPTURE STRENGTH	P.S.I.	334,000



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

Saw Blades

Router Bits

Router Bits
Sets

Jigs
& Accessories

CNC Router Bits
& Chucks

Dowel Drills

Boring Bits

Cutter Heads
& Knives

Spare Parts

23

ITK Contractor Finishing & Plywood Blades

new



K06010 - K06012

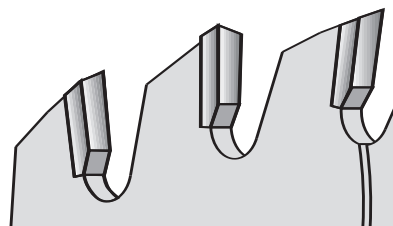
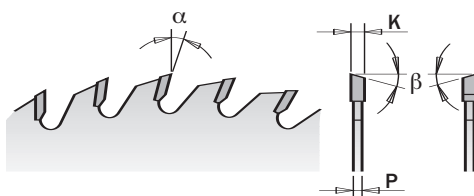
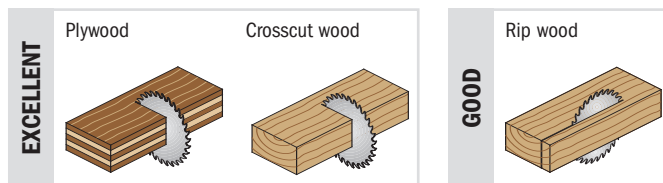
APPLICATION: for finishing crosscuts and occasional rip as well.

MACHINES: portable benchtop and table saws.

MATERIAL: soft/hard wood and plywood.



CARBIDE GRADE	HARDNESS	HRA	92.1
	RUPTURE STRENGTH	P.S.I.	334,000



ORDER NO.	D		T	B	β	K	P	α
	inches	mm		inches		inches	inches	
K06010	10	254	60	5/8	10° ATB	0.094	0.063	15°
K06012	12	305	60	1	10° ATB	0.102	0.071	18°

Dado Pro Set

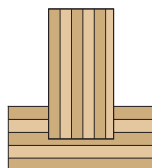


230.012

- CMT thoroughly researched the shortcomings of "standard" dado sets and learned 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 hard and soft woods.
 - 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.

CARBIDE GRADE	HARDNESS	HRA	91.5
	RUPTURE STRENGTH	P.S.I.	377,000



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



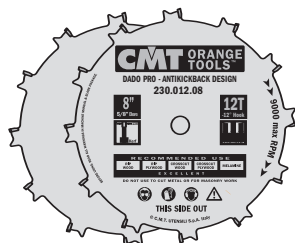
Sturdy reusable carrying case.



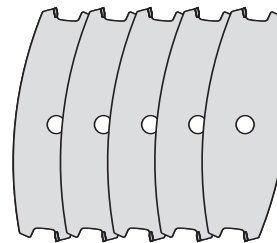
CMT's Dado Pro Set delivers splinter-resistant cuts in all wood, plywood and wood composites.

Slot width inches	No. Chippers Required	
	1/8"	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

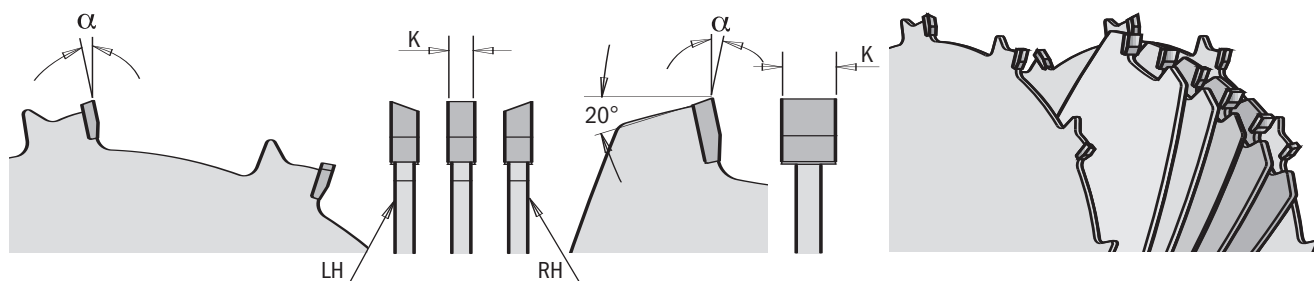


5 CARBIDE TIPPED TWO TOOTH CHIPPERS



STEEL SHIM SET

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



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

Spare parts

- 230.999.11 8" Dado Chipper - 1/8"
- 230.999.12 8" Dado Chipper - 1/16"
- 299.000.02 Dado Pro Steel Shim Set



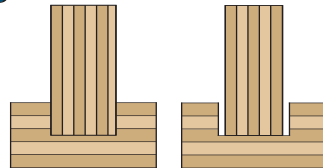
230.5

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 are 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 hard or soft woods.
- Four-tooth chippers that keep the cut flat & virtually free from tear out.
- 3/32" chipper made especially for undersize plywood.
- Shim sets included for cuts between 1/4" and 29/32".

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

CARBIDE GRADE	HARDNESS	HRA	91.5
	RUPTURE STRENGTH	P.S.I.	377,000



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



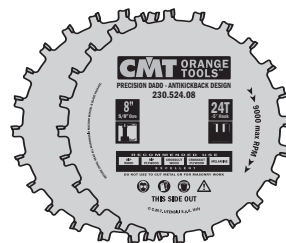
Sturdy reusable carrying case.



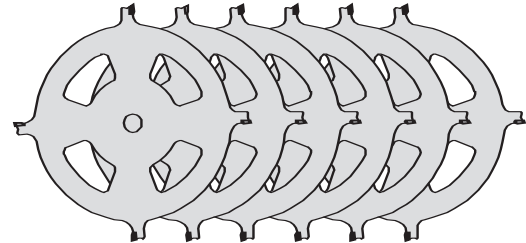
CMT's Dado Pro Set delivers splinter-resistant cuts in all wood, plywood and wood composites.

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

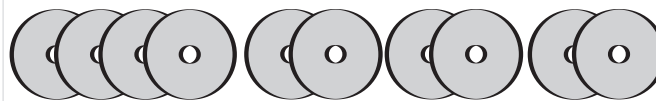
Set includes:



2 BLADES

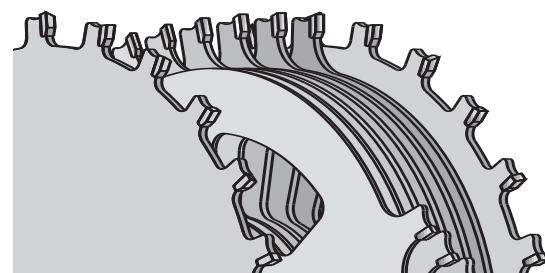
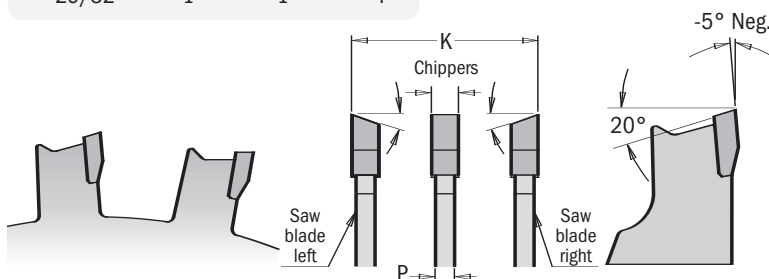


6 CARBIDE TIPPED FOUR TOOTH CHIPPERS.



STEEL SHIM SET

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



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

Spare parts	230.999.21	8" Dado Chipper - 1/8"	230.999.16	6" Dado Chipper - 1/8"	299.000.03	Precision Dado Steel Shim set
	230.999.22	8" Dado Chipper - 3/32"	230.999.17	6" Dado Chipper - 3/32"		
	230.999.23	8" Dado Chipper - 1/16"	230.999.18	6" Dado Chipper - 1/16"		

Box & Finger Joint Set

new

CMT ORANGE TOOLS®



230.224

One more practical CMT solution for making box and finger joints on wood easily and quickly. This set contains two identical blades featuring 24 teeth and 5/8" bore, offering the distinctive advantage to produce 1/4" grooves by using only a single blade, but also to extend 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 cut on soft and hardwood for fine joinery
 - Only one cutter is necessary 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

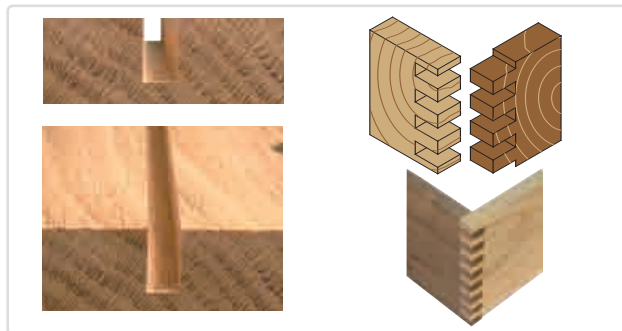
Patent Pending

CARBIDE GRADE	HARDNESS	HRA	91.5
	RUPTURE STRENGTH	P.S.I.	377,000



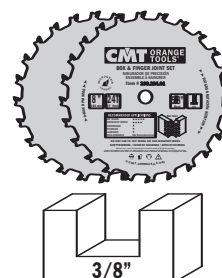
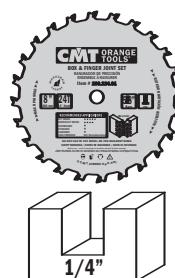
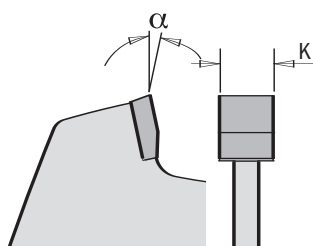
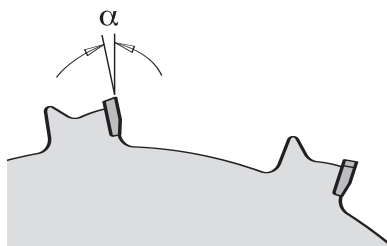
Sturdy reusable carrying case.

- The set includes:**
- 2 blades 1/4" kerf
 - 2 shims 0.004
 - 1 shim 0.012



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

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



ORDER NO.	D inches	D mm	T	B inches	Shims	β	K inches	P inches	α
230.224.08	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

Biscuit Joiner Blades



240 - 241

The 4" CMT biscuit joiner blades with orange PTFE industrial coating trademark make biscuit joints quickly and easily. High-grade German steel and 8 micrograins carbide-tipped teeth guarantee years of use. These blade fit Lamello, Dewalt, Porter-Cable, Skil, Bosch, Freud and other popular biscuit joiners models.



ORDER NO.	D inches	D mm	T	B mm	β	K inches	P inches
Fits Lamello, DeWalt, Skil, Bosch, Freud & similar Biscuit Joiners							
240.006.04	4	100	6	22	ATB	0.157	0.122
240.008.04	4	100	8	22	ATB	0.157	0.110
Fits older Porter-Cable & Lamello Biscuit Joiners							
241.008.04	4	100	8	22	ATB	0.157	0.154

Balance Blade & Sanding Disk



299.111/112



Before starting a saw project, balance your CMT blade in your table saw with the CMT Balance Blade & Sanding Disk. Mount the Balance Blade & Sanding Disk in your table saw and line it up with a square for accuracy. Remove the balance blade and mount your saw blade for true and precise cuts. Or use the Balance Blade & Sanding Disk as a sander by attaching a self-stick sandpaper disk to the balance blade and installing it in your table saw.

ORDER NO.	Description	D		B
		inches	mm	inches
299.111.00	Balance blade & Sanding disk	8	203	5/8
299.112.00	Balance blade & Sanding disk	10	250	5/8

Saw Blade Stabilizer



299.101/102/103

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

It also helps 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	Stabilizer (2) for 8" blades	3	75	5/8
299.102.00	Stabilizer (2) for 10" blades	5	125	5/8
new 299.103.00	Stabilizer (2) for 12" blades	6	152	1

Patented Saw Blade Carry Case

U.S. Patent No. Des. 397,934

03.01



BLACK

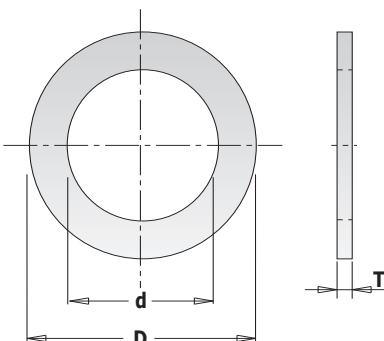


ORANGE

Keeping your blades clean and stored properly is the key to longer blade life - so the CMT technical department designed this sturdy, HDPE plastic reusable blade case to hold all your CMT blades. Available in 6 sizes to fit most saw blade diameters.

ORDER NO. Black	ORDER NO. Orange	Carry Case for saw blade diameters
	03.01.0261	up to 5-3/8"
03.01.0201	03.01.0206	from 5-1/2" to 7-1/4"
03.01.0211	03.01.0209	from 7-3/8" to 8-1/2"
03.01.0202	03.01.0207	from 8-5/8" to 10"
03.01.0212	03.01.0210	from 10-1/8" to 12"
03.01.0203	03.01.0208	from 12-1/8" to 14"

Reduction Rings for Saw Blades



299

ORDER NO.	D		d	K
	inches	mm	inches	inches
299.211.00		30	5/8	0.055
299.212.00		30	1	0.078
299.213.00	1	25.4	3/4	0.055
299.216.00	1	25.4	5/8	0.055
299.217.00	5/8	15.87	1/2	0.047
299.218.00	5/8	15.87	10mm	0.047





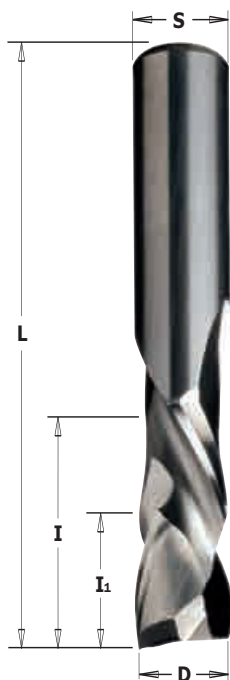
Router Bits, Sets, Jigs & Accessories

Products	Page
Straight & Spiral Bits	30 ~ 36
Dado Planer and Pattern Bits	37 ~ 40
Weatherseal Bits	41
Trimmer Bits	41 ~ 47
Rabbeting Bits	48 ~ 51
Slotting & Grooving Bits	51 ~ 55
Jointing Bits	56 ~ 63
Dovetail Bits	64 ~ 66
"V" Groove & Chamfer Bits	66 ~ 68
Drawer Pull & Radius Bits	69 ~ 73
Ovolo & Roundover Bits	73 ~ 78
Bead & Ogee Bits	79 ~ 84
Molding Bits	84 ~ 90
Panel Bits	90 ~ 96
Solid Surface Bits	97 ~ 101
Sets	102 ~ 123
Doormaking Templates & Panalign Strips	124
Angle Gauge and Angle Finder	125
Hinge Boring System	126
CMT-Enlock Joining System	127
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Bowl & Tray System, Blade & Bit Cleaner	129
3D Router Carver System	130 ~ 132

Solid Carbide Compression Spiral Bits



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 and hard wood, plywood, laminates, MDF and plastic materials, with your 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.



190 Compression Upcut & Downcut 2+2-Edge Spiral Bits

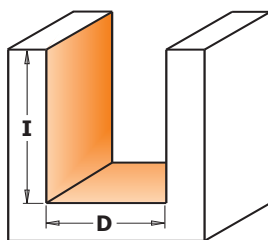
SOLID CARBIDE Z2+2 RH

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

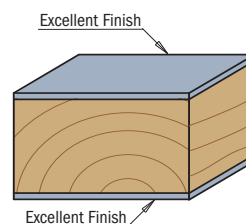
190 Compression Upcut & Downcut 3+3-Edge Spiral Bits

SOLID CARBIDE Z3+3 RH

ORDER NO. Right-hand rotation	D		I	I ₁	L	S
	inches	mm	inches	inches	inches	inches
190.813.11	3/8	9.52	1	13/64	3	3/8



Drawing are 1:1 scale



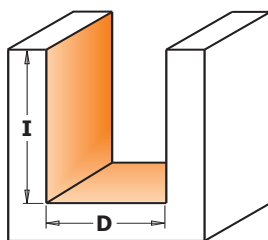
Solid Carbide Upcut 2-Edge Spiral Bits



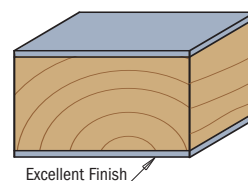
191 Upcut 2-Edge Spiral Bits

SOLID CARBIDE Z2 RH

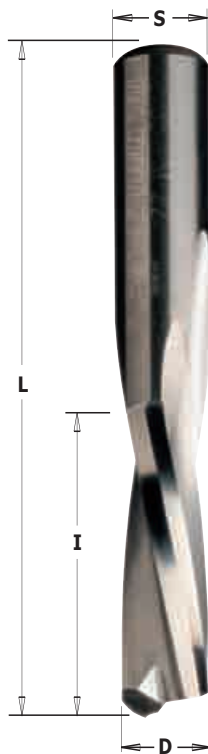
ORDER NO. Right-hand rotation	D		I	L	S
	inches	mm	inches	inches	inches
191.001.11	1/8	3.18	1/2	2	1/4
191.003.11	5/32	3.97	1/2	2	1/4
191.005.11	3/16	4.76	3/4	2	1/4
191.007.11	1/4	6.35	3/4	2	1/4
191.008.11	1/4	6.35	1	2-1/2	1/4
191.501.11	5/16	7.94	1	3	1/2
191.503.11	3/8	9.52	1-1/4	3	1/2
191.505.11	1/2	12.7	1-1/4	3	1/2
191.506.11	1/2	12.7	1-1/2	3-1/2	1/2
191.507.11	1/2	12.7	2	4	1/2
191.509.11	5/8	15.87	2-1/8	4-5/16	5/8
191.511.11	3/4	19.05	2-1/8	4-5/16	3/4



Drawing are 1:1 scale



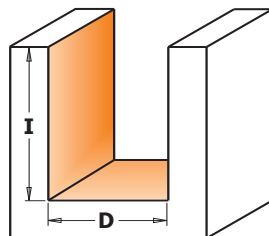
Solid Carbide Downcut 2-Edge Spiral Bits



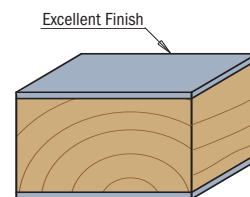
192 Downcut 2-Edge Spiral Bits

SOLID CARBIDE Z2 RH

ORDER NO. Right-hand rotation	D		I	L	S
	inches	mm	inches	inches	inches
192.001.11	1/8	3.18	1/2	2	1/4
192.003.11	5/32	3.97	1/2	2	1/4
192.005.11	3/16	4.76	3/4	2	1/4
192.007.11	1/4	6.35	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
192.506.11	1/2	12.7	1-1/2	3-1/2	1/2
192.507.11	1/2	12.7	2	4	1/2

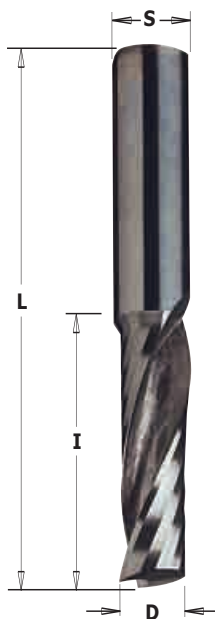


Drawing are 1:1 scale



Excellent Finish

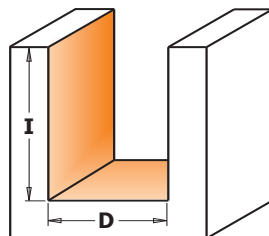
Solid Carbide Upcut 1-Edge Spiral Bits



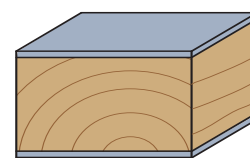
198 Upcut 1-Edge Spiral Bits

SOLID CARBIDE Z1 RH

ORDER NO. Right-hand rotation	D		I	L	S
	inches	mm	inches	inches	inches
198.007.11	1/4	6.35	3/4	2	1/4
198.008.11	1/4	6.35	1	2-1/2	1/4
198.504.11	3/8	9.52	1-1/8	3	3/8



Drawing are 1:1 scale



Excellent Finish

5 piece Solid Carbide Spiral Bit Sets

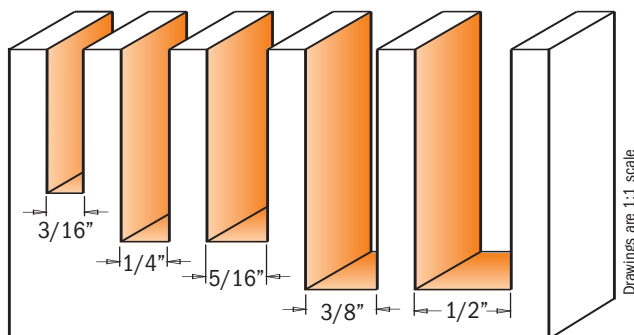
CMT ORANGE
TOOLS®
SOLID
CARBIDE

Z2

RH



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 and hard wood, plywood, laminates, MDF and plastic materials, with your 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.	D		I	L	S
S=Ø1/4" - 1/2"	inches	mm	inches	inches	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.	D		I	L	S
S=Ø1/4" - 1/2"	inches	mm	inches	inches	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 Set

CARBIDE
TIPPEDSOLID
CARBIDE

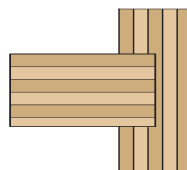
Z2

RH

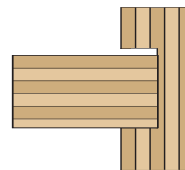
Fed up with gaps and sloppy joints when you rout grooves and dadoes for plywood joints? Our plywood groove bits match the true thickness of plywood, producing tight, accurate joints. Use our 18mm (23/32") bit for 19mm (3/4") plywood, 12,30mm (31/64") bit for 12,7mm (1/2") plywood and our 6mm (15/64") bit for 6,35mm (1/4") plywood.

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.

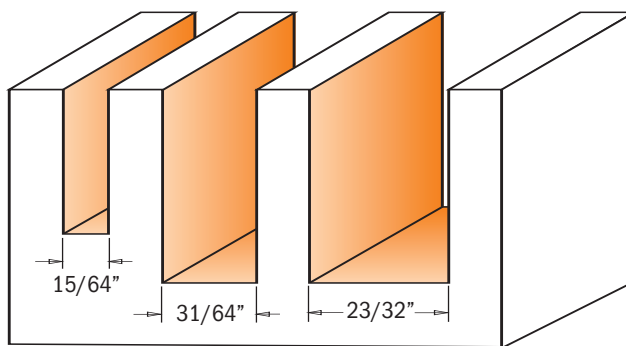


811.001.11 3 piece Plywood Groove Set 1/4" shank

Set contains	ORDER NO.	D		I
	1/4" shank	inches	mm	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

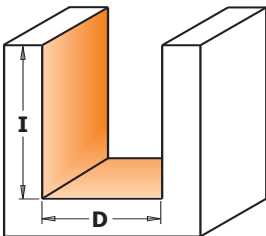
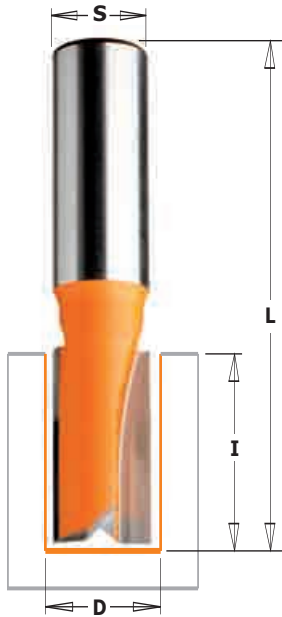
811.501.11 3 piece Plywood Groove Set 1/2" shank

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



• Solid Carbide

Straight Bit Short Series

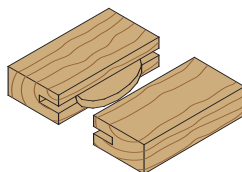


811

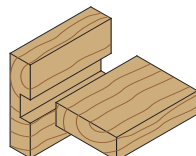
ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	D		I	L	Application
		inches	mm	inches	inches	
• 811.020.11*			2	5/32	1-1/2	
• 811.030.11			3	5/16	1-3/4	
• 811.032.11		1/8	3.2	3/8	1-3/4	
• 811.040.11		5/32	4	3/8	1-3/4	Bit for biscuits
• 811.047.11		3/16	4.75	1/2	2	
• 811.050.11			5	15/32	2	
• 811.060.11		15/64	6	5/8	2	Ply-groove bit
	• 811.560.11	15/64	6	3/4	2-3/8	Ply-groove bit
• 811.064.11		1/4	6.35	3/4	2	
• 811.065.11		1/4	6.35	3/4	2-1/4	For Incra Jig
	• 811.564.11	1/4	6.35	3/4	2-3/8	For Incra Jig
• 811.070.11			7	23/32	1-7/8	
• 811.080.11		5/16	8	3/4	2	
• 811.081.11		5/16	8	1	2-13/16	For Leigh Jig
811.095.11		3/8	9.5	3/4	2	
811.096.11		3/8	9.5	1	2-1/2	For Incra Jig
	811.581.11	5/16	8	1	2-3/4	For Incra Jig
	811.595.11	3/8	9.5	1	2-5/8	For Incra Jig
811.100.11			10	3/4	1-7/8	
	811.600.11		10	1	2-1/2	
811.120.11			12	3/4	2	
	811.620.11		12	1	2-1/2	
811.123.11		31/64	12.3	1	2-1/4	Ply-groove bit
	811.623.11	31/64	12.3	1	2-1/2	Ply-groove bit
811.127.11		1/2	12.7	3/4	2-1/4	
	811.627.11	1/2	12.7	1	2-5/8	
	811.628.11	1/2	12.7	1-1/4	3-1/4	For Leigh Jig
811.140.11			14	3/4	2	
811.142.11		9/16	14.2	9/16	2-1/4	
811.150.11			15	3/4	2-1/4	
811.158.11		5/8	15.87	3/4	2-5/8	
	811.660.11	5/8	15.87	1	2-1/2	
811.160.11			16	3/4	2-1/4	
	811.661.11		16	1	2-1/2	
811.180.11			18	3/4	2	
811.182.11		23/32	18.2	1	2-1/4	Ply-groove bit
	811.682.11	23/32	18.2	1	2-1/2	Ply-groove bit
811.191.11		3/4	19	3/4	2-1/4	
	811.690.11	3/4	19	1	2-1/2	
811.200.11			20	3/4	2	
811.220.11			22	3/4	2-1/4	
811.254.11		1	25.4	3/4	2	
	811.754.11	1	25.4	1-1/4	3	
	811.785.11	1-1/8	28.57	1-1/4	3	

• Solid Carbide
*Z1

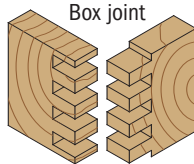
Biscuit joint using bit
#811.040.11



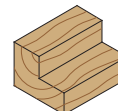
Right-angle joint



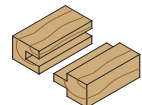
Box joint



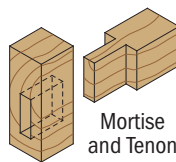
Rabbet



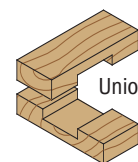
Tongue and groove joint



Mortise and Tenon



Union

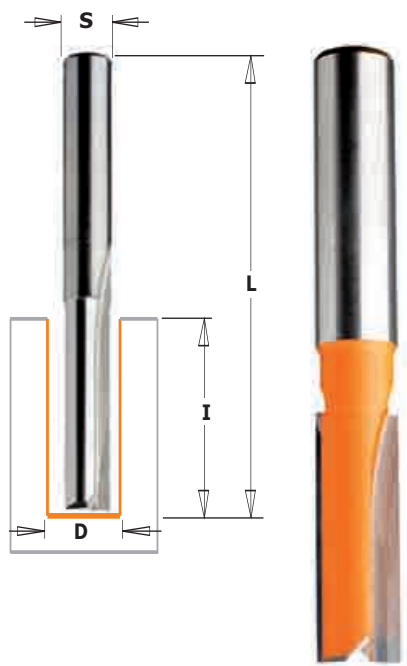


Straight Bit Long Series

CMT ORANGE TOOLS®
CARBIDE
TIPPEDSOLID
CARBIDE

Z2

RH



812

CMT's Straight Bits offer the full package of features that define our top-quality tools: razor-sharp edges, special high-strength steel and the finest micrograin carbide. Our straight bits can withstand even the heaviest work load and still give you a smooth, precise cut every time. They also provide exceptional chip ejection to allow cleaner and more constant cutting. The surfaces of all CMT bits are protected with our unique orange P.T.F.E. Industrial Coating to help keep the bit from collecting resin, pitch and other residue.

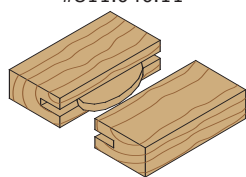
CMT's selection of 62 Straight Bits allows production at an industrial scale on a variety of plywood, composites and natural woods.

Safety Precautions: never use damaged or worn bits. Always work at the proper feed rate without forcing the bit. Pay particular attention when making the initial cut with a small diameter bit. For best results when working with small diameter bits, make the cut in more than one pass.

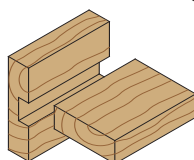
• Solid Carbide

ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	D		I	L	Application
		inches	mm	inches	inches	
• 812.032.11		1/8	3.2	1/2	2	
• 812.060.11		15/64	6	1	2-3/8	
• 812.064.11		1/4	6.35	1	2-3/8	
• 812.080.11		5/16	8	1-1/4	2-3/8	
812.095.11		3/8	9.5	1-1/4	2-1/2	
	812.595.11	3/8	9.5	1-1/4	2-7/8	
812.100.11			10	1-1/4	2-3/8	
	812.600.11		10	1-1/4	2-3/4	
	812.611.11	7/16	11.1	1-1/4	3-1/4	For Leigh Jig
812.120.11			12	1-1/4	2-3/8	
	812.620.11		12	1-1/4	2-3/4	
	812.621.11		12	1-1/2	3-3/4	
812.127.11		1/2	12.7	1-1/4	2-3/4	
	812.627.11	1/2	12.7	1-1/2	3-3/4	
	812.628.11	1/2	12.7	2	4-1/4	
	812.629.11	1/2	12.7	2-1/2	4-3/8	
812.140.11			14	1-1/4	2-3/8	
812.150.11			15	1-1/4	2-5/8	
812.158.11		5/8	15.87	1-1/4	2-3/4	
812.160.11			16	1-1/4	2-5/8	
	812.660.11		16	1-1/4	2-3/4	
	812.690.11	3/4	19	1-1/2	3-1/4	
	812.691.11	3/4	19	2	3-5/8	

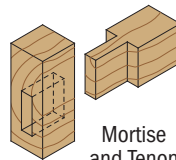
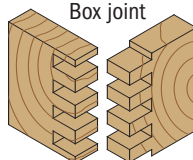
Biscuit joint using bit
#811.040.11



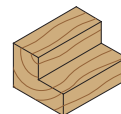
Right-angle
joint



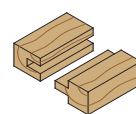
Box joint



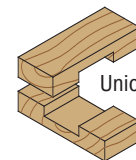
Mortise
and Tenon



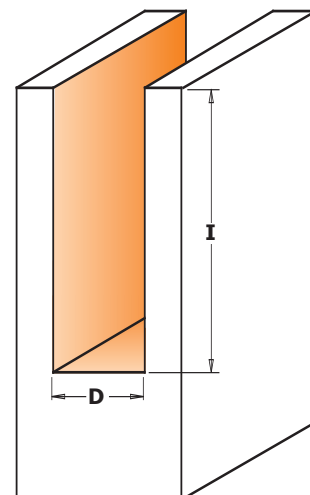
Rabbet



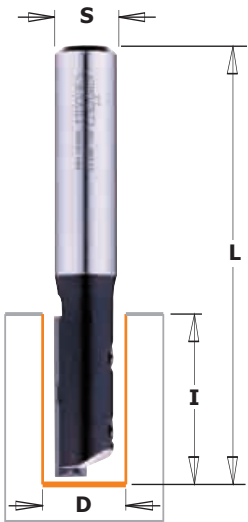
Tongue and
groove joint



Union

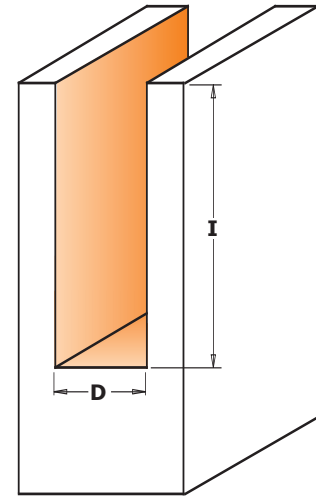


Insert Carbide Straight Bits



651 - 652

Ideal for fast plunge cuts and other grooving applications. Use these single edge bits in CNC or portable routers for work in laminated stock and hard and soft wood.



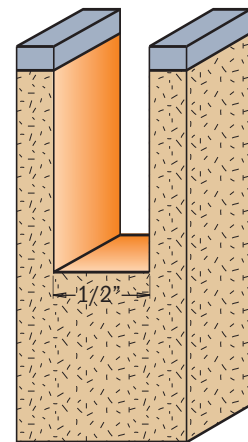
ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	D		I	L	Spare parts			
		inches	mm			Knives	Wedge	Screw	Key
651.079.11		5/16	8	25/32	2-3/8	790.200.01	651.999.01	990.070.00	991.063.00
	651.681.11	5/16	8	25/32	2-41/64	790.200.01	651.999.01	990.070.00	991.063.00
651.095.11		3/8	9.5	1-3/16	2-49/64	790.300.01	651.999.02	990.070.00	991.063.00
	651.695.11	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		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	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 Torx screw. For specialist application requiring low down-time and economy. Use multiple passes for totale cutting length. For routing, trimming and grooving in boards materials (laminated chipboards, worktops panels, MDF). For use on portable Routers.



Drawings are 1:1 scale

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

Insert Carbide Straight Plunge Bits

CMT ORANGE TOOLS®

 INSERT
CARBIDE

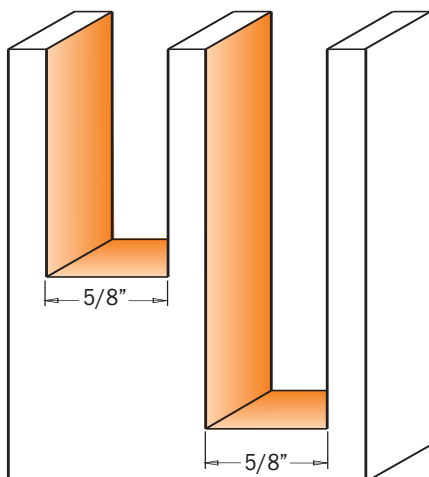
Z1+1

RH


653

Straight router bit with one replaceable plunging knife and one side knife fixed by special Torx screws. The body is precise balanced.

For finishing and routing, plunge cutting and grooving in boards materials (laminated chipboards, MDF) and hard wood. For use on portable Routers or CNC machining centers.



Drawings are 1:1 scale

ORDER NO.
1/2" shank

	D		I	L
	inches	mm	inches	inches
653.158.11	5/8	15.8	1-1/8	3-19/32
653.159.11	5/8	15.8	1-29/32	4-3/8

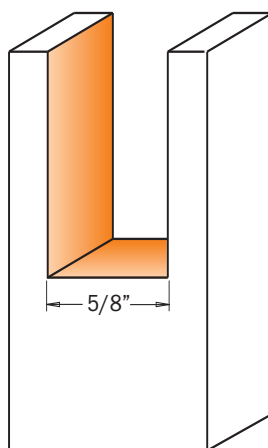
Spare parts

Knives side	Screw side	Knives top	Screw top
790.283.12	990.074.00	790.075.00	990.072.00
790.483.12	990.074.00	790.075.00	990.072.00

Insert Carbide Straight Bits


654

These double edged bits give extra-clean cuts, and they also feature a special 3° bevel on the top for better plunging action.



Drawings are 1:1 scale

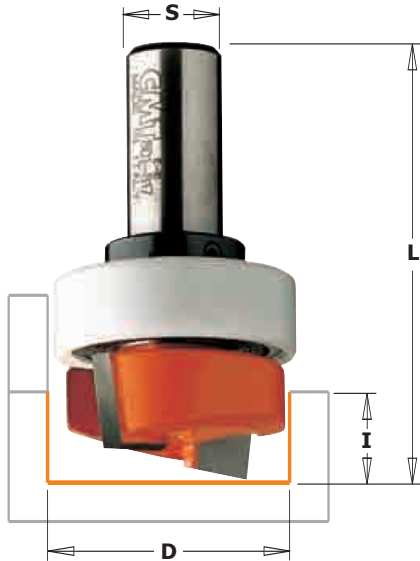
ORDER NO.
1/2" shank

	D		I	L
	inches	mm	inches	inches
654.661.11	5/8	16	1-1/8	3-25/64

Spare parts

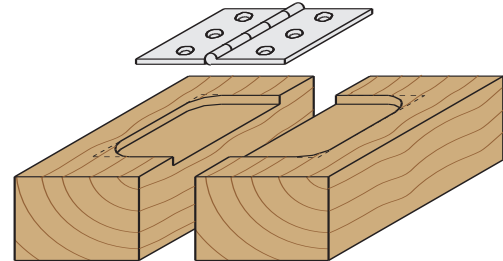
Knives	Torx Screw	Torx Screw	Torx Key
790.283.12	990.073.00	990.075.00	991.061.00

Mortising Bits

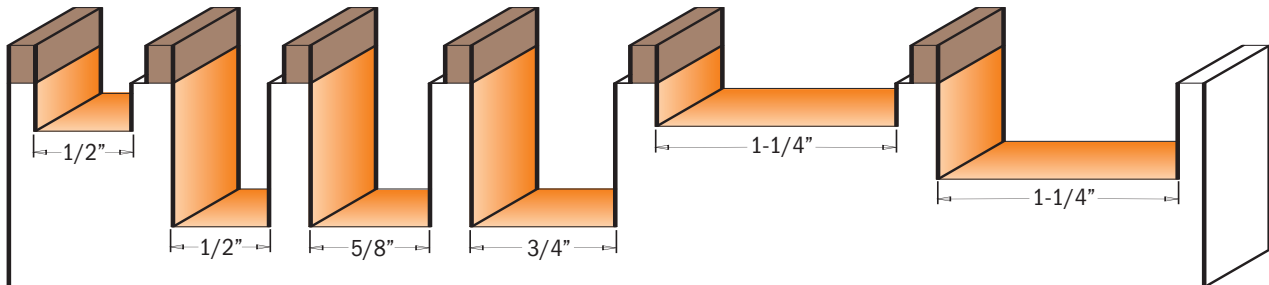


801 - 801B

Equipped with thick carbide tips and negative shear angle design, CMT mortising bits guarantee you a flawless performance. Mortise perfect hinges with no splintered edges or rough bottoms. They also make an easy job of piece work in both natural wood and wood composites. Fit most popular mortising jigs. The CMT mortising bit with top bearing guide is the perfect bit for sign making or any kind of template work.



This is an example of how to use a CMT mortising bit to fit a hinge.



Drawings are 1:1 scale

ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	D		I	L	Spare parts		
		inches	mm			Bearing	Stop collar	Screw
801.128.11		1/2	12.7	1/4	1-13/16			
801.127.11	801.627.11	1/2	12.7	3/4	2-9/64			
801.158.11		5/8	15.87	3/4	2-1/4			
801.190.11	801.690.11	3/4	19	3/4	2-9/64			
	801.818.11	1-1/4	31.7	15/64	2-31/64			
801.317.11	801.817.11	1-1/4	31.7	1/2	1-57/64			
<i>with top bearing guide</i>								
801.128.11B*		1/2	12.7	1/4	1-13/16	791.010.00	541.001.00	991.056.00
801.127.11B		1/2	12.7	3/4	2-9/64	791.010.00	541.001.00	991.056.00
801.158.11B		5/8	15.87	3/4	2-1/4	791.009.00	541.001.00	991.056.00
801.190.11B		3/4	19	3/4	2-9/64	791.004.00	541.001.00	991.056.00
	801.818.11B	1-1/4	31.7	15/64	2-31/64	791.015.00	541.002.00	991.056.00
	801.817.11B	1-1/4	31.7	1/2	2-31/64	791.015.00	541.002.00	991.056.00

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

Dado & Planer Bits



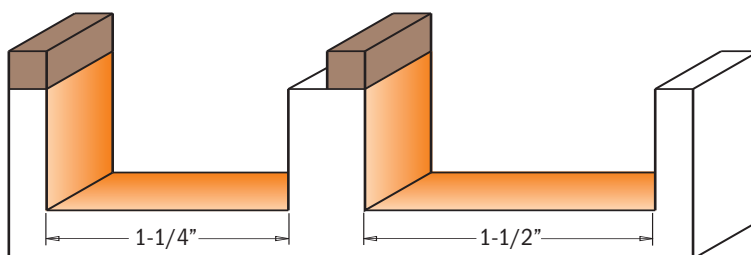
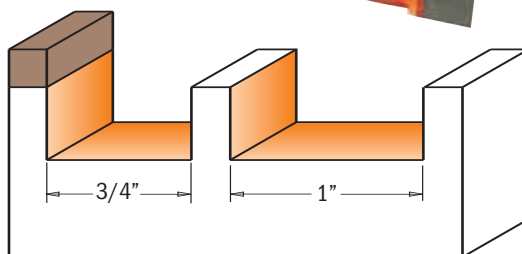
Z2

RH



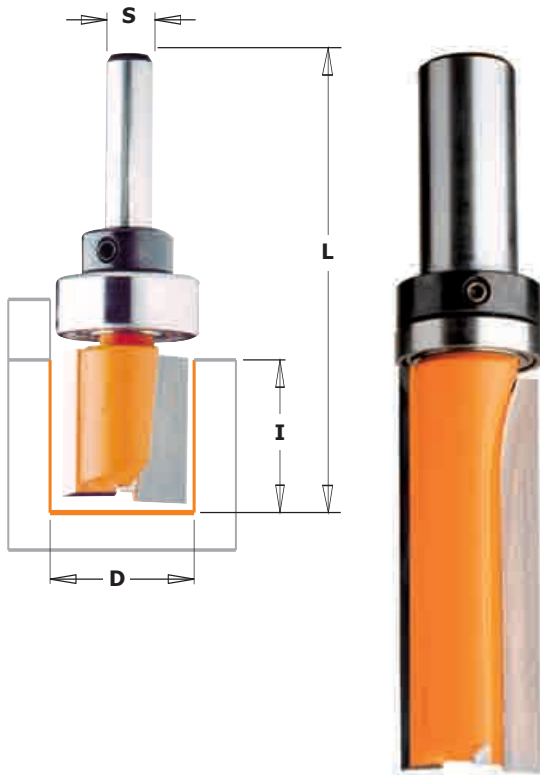
852 - 852B

Constructed with thick carbide tips and downward shear angle design, CMT Mortising Bits give you flawless performance. The negative shear angle of the cutting edges pushes the wood fibers down as they cut, allowing you to rout perfect hinge mortises with no splintered edges or rough bottoms. They also make an easy job of piece work in both natural wood and wood composites. We offer bits to fit most popular mortising jigs.



Drawings are 1:1 scale

ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	D		I	L	Spare parts		
		inches	mm			Bearing	Stop collar	Hex key
852.001.11		3/4	19	3/8	2-1/4			
	852.501.11	3/4	19	3/8	2-1/2			
	852.502.11	1	25.4	3/8	2-1/4			
	852.503.11	1-1/4	31.7	5/8	2-49/64			
	852.504.11	1-1/2	38.1	5/8	2-49/64			
with top bearing guide								
852.001.11B		3/4	19	3/8	2-1/4	791.004.00	541.001.00	991.056.00
	852.501.11B	3/4	19	3/8	2-1/2	791.011.00	541.002.00	991.056.00
	852.503.11B	1-1/4	31.7	5/8	2-49/64	791.015.00	541.002.00	991.056.00
	852.504.11B	1-1/2	38.1	5/8	2-49/64	791.020.00	541.002.00	991.056.00



811B - 812B



Whether you are a full time professional or a part time woodworking enthusiast, discover the unlimited possibilities of template routing with a CMT pattern bit. Pair up these double fluted bits with your choice of template to produce cabinet and furniture pieces, signs, toys and any other creative project.

Carbide tipped to last longer, CMT pattern bits are equipped with the bearing above the cutter letting you work with the template on top of the wood.

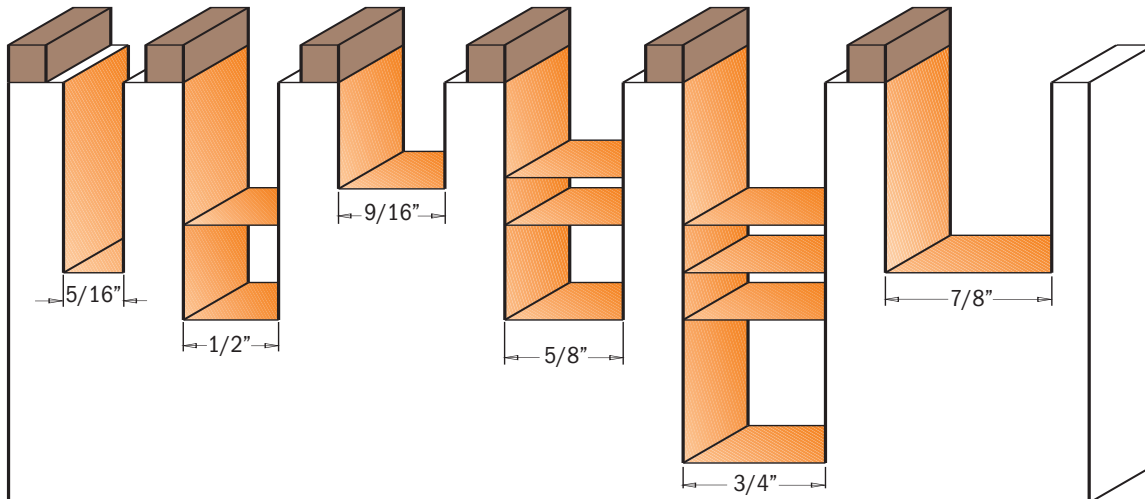
This gives you a clear view of what you are routing so you can work confidently and accurately.

Safety tips: Make sure your router is in top condition.

The template must be securely fastened to the work piece.

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	D		I inches	L inches	Spare parts		
		inches	mm			Bearing	Stop collar	Hex key
811.081.11B		5/16	8	1	2-13/16	791.010.00	541.001.00	991.056.00
811.127.11B		1/2	12.7	3/4	2-1/4	791.010.00	541.001.00	991.056.00
811.142.11B		9/16	14.2	9/16	2-1/4	791.009.00	541.001.00	991.056.00
811.159.11B		5/8	15.87	1/2	2-9/32	791.009.00	541.001.00	991.056.00
811.158.11B		5/8	15.87	3/4	2-5/8	791.009.00	541.001.00	991.056.00
811.191.11B		3/4	19	3/4	2-1/4	791.004.00	541.001.00	991.056.00
	811.690.11B	3/4	19	1	2-1/2	791.011.00	541.002.00	991.056.00
	811.222.11B	7/8	22.2	1	2-5/8	791.021.00	541.006.00	991.056.00
812.127.11B		1/2	12.7	1-1/4	2-3/4	791.010.00	541.001.00	991.056.00
812.158.11B		5/8	15.87	1-1/4	2-3/4	791.009.00	541.001.00	991.056.00
	812.690.11B	3/4	19	1-1/2	3-1/4	791.011.00	541.002.00	991.056.00
	812.691.11B	3/4	19	2	3-1/4	791.011.00	541.002.00	991.056.00

Insert Carbide Pattern Bit for Mdf/Laminate

CMT ORANGE TOOLS®
INSERT
CARBIDE

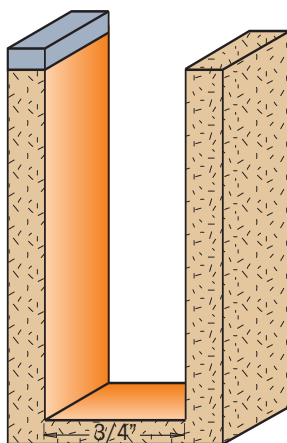
Z1

RH

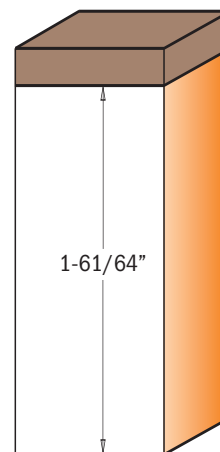


652B

Primarily for use in portable routers, these extra-long single-edge bits deliver clean cuts in laminated MDF and other composites, as well as hard or soft wood.



Drawing are 1:1 scale


ORDER NO.
1/2" shank

652.691.118
D
inches mm

3/4 19

I
inches

1-61/64

L
inches

3-61/64

Spare parts

Knives

Torx Screw

Torx key

Bearing

790.495.09

990.072.00

991.061.00

791.011.00

Spare parts

541.002.00 Ø1/2" stop collar

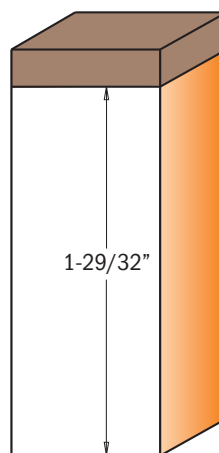
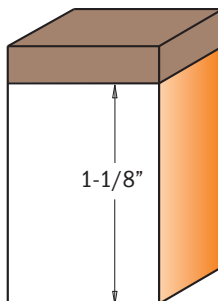
991.056.00 1.5mm Hex key

Insert Carbide Pattern Bits



656

Our pattern bits include a ball bearing guide for all types of template or pattern work. Use with CNC or portable routers in wood or composites. Bit features 2 cutting edges.



Drawings are 1:1 scale

ORDER NO.
1/2" shank

656.691.11
656.693.11
D
inches mm

3/4 19

3/4 19

I
inches

1-1/8

1-29/32

L
inches

3-1/8

3-15/16

Spare parts

Knives

Torx Screw

Torx key

Bearing

790.283.12

990.075.00

991.061.00

791.011.00

790.483.12

990.075.00

991.061.00

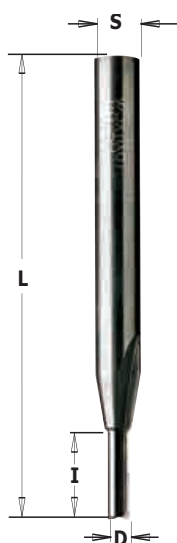
791.011.00

Spare parts

541.002.00 Ø1/2" stop collar

991.056.00 1.5mm Hex key

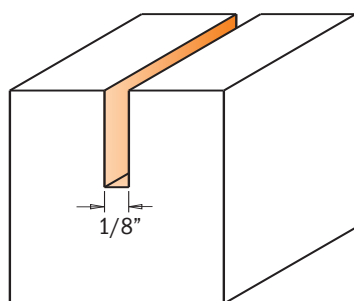
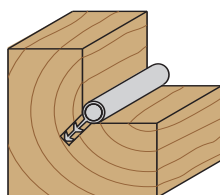
Weatherseal Bits



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.



Drawings are 1:1 scale

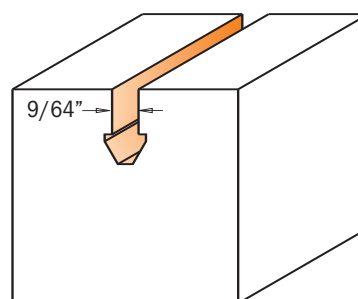
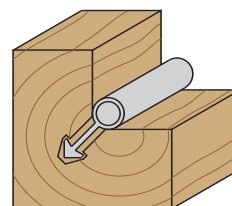
ORDER NO.	D		I	L
1/4" shank	inches	mm	inches	inches
812.032.11	1/8	3.2	1/2	2



813.001

SOLID CARBIDE Z2 RH

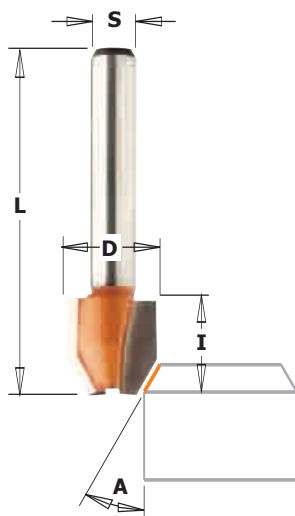
Make your house more energy efficient by insulating old doors and windows. A CMT Weatherseal bit is the perfect bit to re-groove door and window frames to accommodate wind blocking inserts. Made of solid carbide for strength and endurance.



Drawings are 1:1 scale

ORDER NO.	D		I	L
1/4" shank	inches	mm	inches	inches
813.001.11	9/64	3.5	5/16	2-1/2

Combination Trimmer Bits

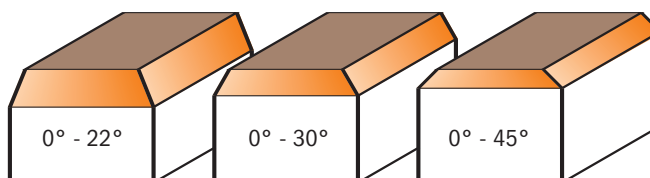


821

CARBIDE TIPPED Z2 RH

Now you can cut, trim and bevel almost any laminate or hard or soft wood without having to change bits. Available in three popular sizes, each with carbide cutting edges for clean cuts on bevel or straight edges.

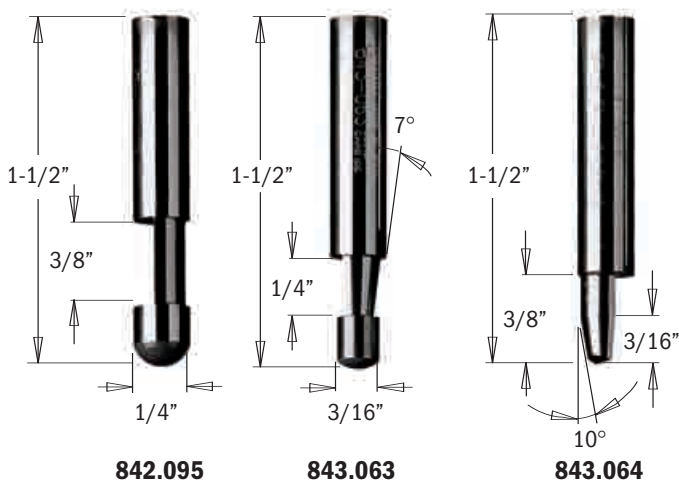
NOTE: must be used with edge or bearing guide or fence.



Drawings are 1:1 scale

ORDER NO.	A	D		I	L
1/4" shank		inches	mm	inches	inches
821.022.11	0° - 22°	15/32	11.9	1/2	1-49/64
821.030.11	0° - 30°	15/32	11.9	1/2	1-49/64
821.045.11	0° - 45°	15/32	11.9	1/2	1-49/64

Combination Trimmer Bits

CMT ORANGE TOOLS®

842 - 843
SOLID
CARBIDE

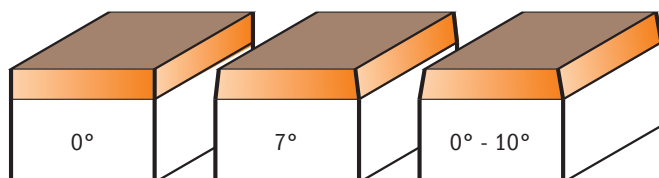
Z1

RH



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.



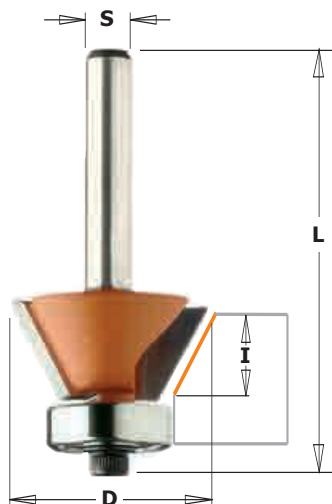
Drawings are 1:1 scale

ORDER NO. 1/4" shank	A	D		I	L
		inches	mm	inches	inches
842.095.11	0°	1/4	6.35	3/8	1-1/2
843.063.11	7°	1/4	6.35	1/4	1-1/2
843.064.11	0° - 10°	1/4	6.35	3/8	1-1/2
842.095.11-X50	50 pcs. in Masterpack				
843.063.11-X50	50 pcs. in Masterpack				



50 pcs. in Masterpack

Combination Trimmer Bits

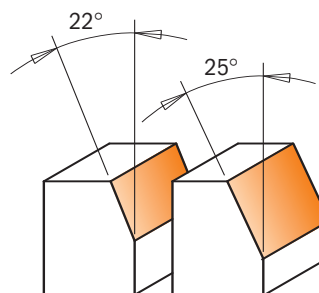
new

809
CARBIDE
TIPPED

Z2

RH



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



Drawings are 1:1 scale

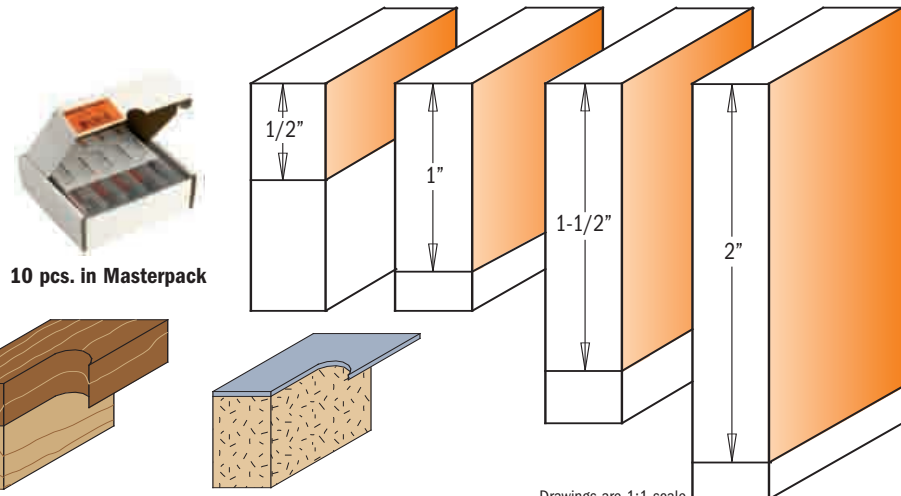
ORDER NO. 1/4" shank	A	D		I	L	Spare parts			
						Shield	Bearing	Screw	Hex key
809.022.11	22°	1/2	12.7	5/16	1-7/8		791.035.00	990.062.00	991.057.00
809.025.11	25°	3/4	19.05	13/32	2-1/16	990.422.00	791.002.00	990.058.00	991.057.00

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.



Drawings are 1:1 scale

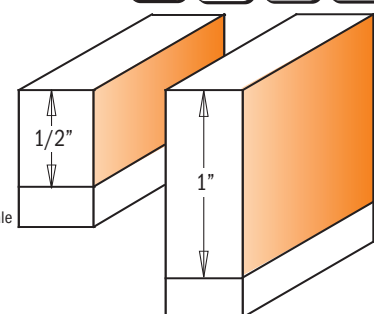
ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	I		D	L	Spare parts			
		inches	mm			Bearing	Shield	Screw	Hex key
• 806.064.11		1	25.4	1/4	2-1/-2	791.035.00	541.350.00		
806.096.11		1/2	12.7	3/8	2-3/16	791.002.00	990.422.00	990.058.00	991.057.00
806.128.11		1/2	12.7	1/2	2-9/32	791.003.00	990.423.00	990.058.00	991.057.00
	806.628.11	1/2	12.7	1/2	2-25/32	791.003.00	990.423.00	990.058.00	991.057.00
806.095.11		1	25.4	3/8	2-11/16	791.002.00	990.422.00	990.058.00	991.057.00
806.127.11	806.627.11	1	25.4	1/2	2-51/64	791.003.00	990.423.00	990.058.00	991.057.00
	806.629.11	1-1/2	38.1	1/2	3-45/64	791.003.00	990.423.00	990.058.00	991.057.00
	806.630.11	2	50.8	1/2	4-31/32	791.003.00	990.423.00	990.058.00	991.057.00
806.095.11-X10		1	25.4	3/8	2-11/16	10 pcs. in Masterpack			
806.096.11-X10		1/2	12.7	3/8	2-3/16	10 pcs. in Masterpack			
806.127.11-X10	806.627.11-X10	1	25.4	1/2	2-51/64	10 pcs. in Masterpack			
806.128.11-X10		1/2	12.7	1/2	2-9/32	10 pcs. in Masterpack			
	806.629.11-X10	1-1/2	38.1	1/2	3-45/64	10 pcs. in Masterpack			

• Solid Carbide

Flush Trim Bit Set



Indispensable in any shop. The new 3-piece trim bit set gives you the option to trim laminates or do template work in one convenient set. Individual bits are listed below.



Drawings are 1:1 scale

806.001.11 3 piece Flush Trim Set 1/4" shank

Set contains	ORDER NO. 1/4" shank	D		I	L
		inches	mm		
Flush Trim bit	806.095.11	3/8	9.5	1/2	2-11/16
Flush Trim bit	806.096.11	3/8	9.5	1	2-3/16
Flush Trim bit	806.191.11	3/4	19	1	2-59/64

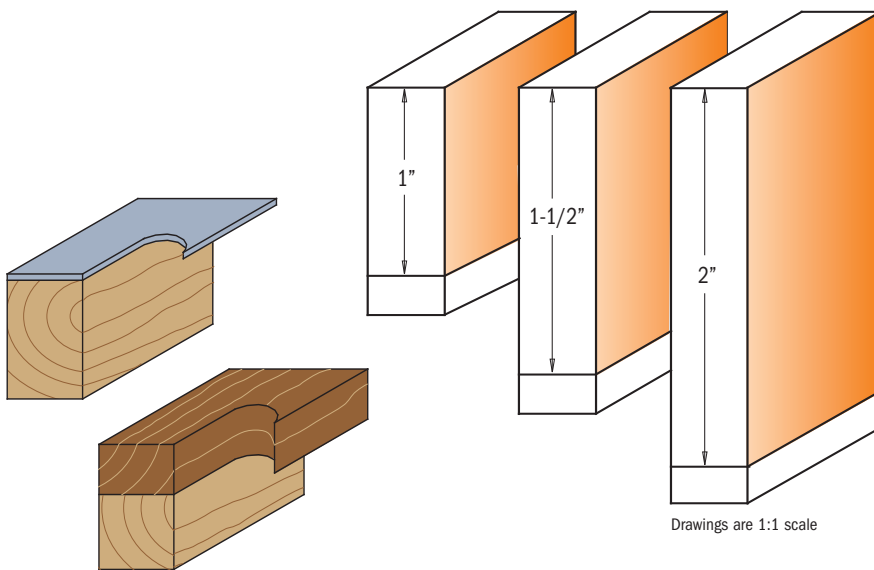
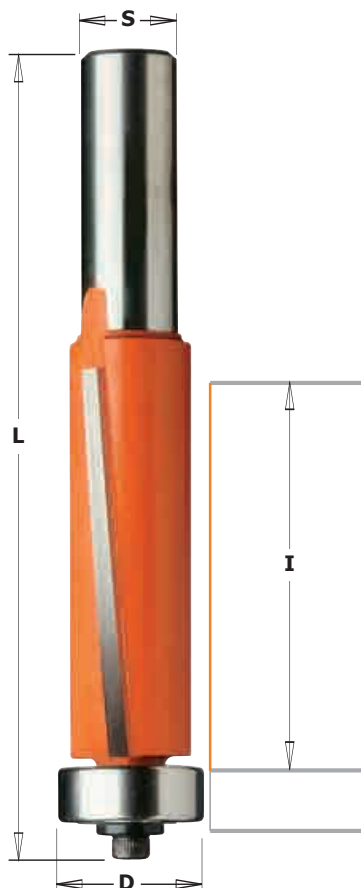
Super-Duty Flush Trim Bits



806

These new super duty bits represent the finest of the extensive line of CMT flush trim bits with ball bearing guides. A negative shear angle cutting edge and 3/4" cutting diameter set CMT flush trim bits apart from standard bits. Work quickly and safely to get a superior finish with absolute minimal chipping.

Safety Tip: Dust and chips from laminate materials are hazardous to your health and safety. Always wear a dust mask and eye protection when doing router work.



Drawings are 1:1 scale

ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	I		D	L	Spare parts			
		inches	mm			Bearing	Shield	Screw	Hex key
806.191.11		1	25.4	3/4	2-59/64	791.004.00	541.550.00	990.058.00	991.057.00
	806.691.11	1	25.4	3/4	3-11/64	791.004.00	541.550.00	990.058.00	991.057.00
	806.692.11	1-1/2	38.1	3/4	3-43/64	791.004.00	541.550.00	990.058.00	991.057.00
	806.690.11	2	50.8	3/4	4-11/64	791.004.00	541.550.00	990.058.00	991.057.00

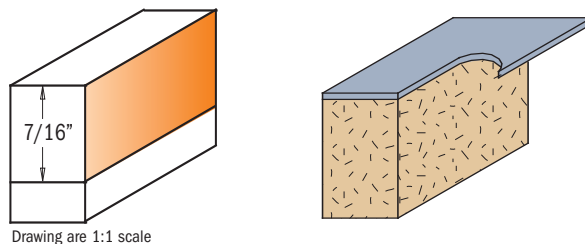
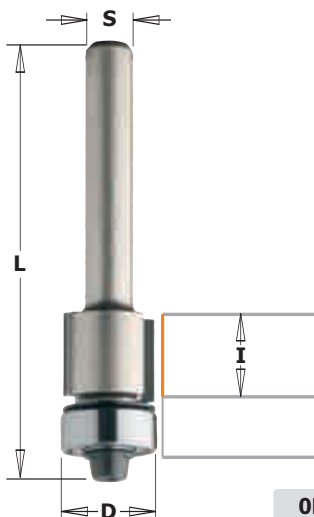
Diamond Flush Trim Bits for Mdf/Laminate



806

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 will save the cabinet manufacturer time and money as they last at least 40x's longer than conventional carbide tipped flush trim bits.



Drawing are 1:1 scale

40X
LONGER LIFE
THAN CARBIDE

ORDER NO. 1/4" shank	I		D	L	Spare parts			
	inches	mm			Shield	Bearing	Screw	Hex key
806.128.61	7/16	11	1/2	2-19/64	990.423.00	791.003.00	990.058.00	991.057.00

Double-Bearing Spiral Flush Trim Bits

CMT ORANGE TOOLS®

SOLID CARBIDE

Z2

Z2+2

RH



Saw Blades

Router Bits

Router Bits Sets

Jigs & Accessories

CNC Router Bits & Chucks

Dowel Drills

Boring Bits

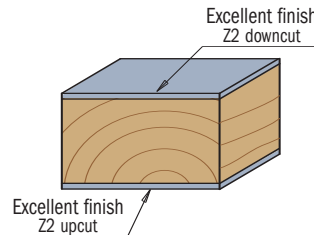
Cutter Heads & Knives

Spare Parts

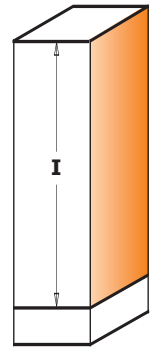
45

190B - 191B - 192B

The new CMT solid carbide spiral flush trim bits are manufactured with a special super-micro-grain formulation that has increased hardness with a higher transverse rupture point. Combined with the low helix cutting angle, the new CMT solid carbide spiral flush trim bits with double bearing allow the cabinet maker to shear wood and wood products cleanly, providing more efficient chip ejection than standard flush trim bits. In production settings these new bits will run cooler and the edges will stay sharper, last longer and increase your shop productivity.

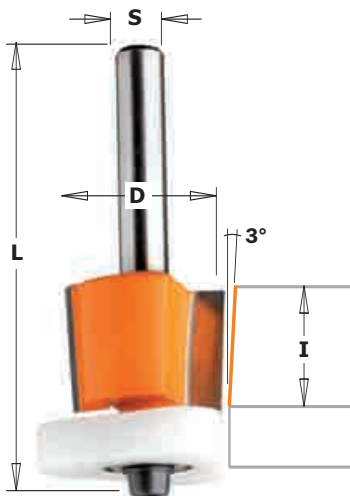


Drawings are 1:1 scale



ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	D		I	L	Spare parts	
		inches	mm	inches	inches	Bearing	Seeger
2+2-Edge Upcut & Downcut							
	190.508.11B	1/2	12.7	1-5/8	4	791.010.00	541.550.00
2-Edge Upcut							
191.008.11B		1/4	6.35	1	3	791.035.00	541.350.00
	191.505.11B	1/2	12.7	1-1/4	3	791.010.00	541.550.00
	191.507.11B	1/2	12.7	2	4	791.010.00	541.550.00
2-Edge Downcut							
	192.505.11B	1/2	12.7	1-1/4	3	791.010.00	541.550.00
	192.507.11B	1/2	12.7	2	4	791.010.00	541.550.00

3in1 Flush Trim Bit for Mdf/laminate



807

3in1 New flush trim bits with Delrin® Triangular bearings is your best partner for laminate trimming. Infact it solves 3 of the most common problems that occur in flush trimming in cabinet shops:

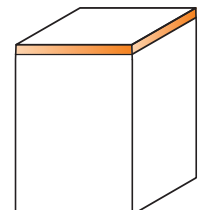
- 1) The freezing of the bearings from glue; infact the Delrin® with his anti-stick properties greatly reduces the likelihood of bearing failure.
- 2) The extended guide surface of the new Delrin® bearing will perfectly match the work surface without scratching like the steel bearing and garantes the maximum stability.
- 3) The shear angle cutting edge reduces the need for filing.

3in1 bit is ideal on plastic laminates as well as aluminium laminate!

CARBIDE TIPPED

Z2

RH



Drawing are 1:1 scale

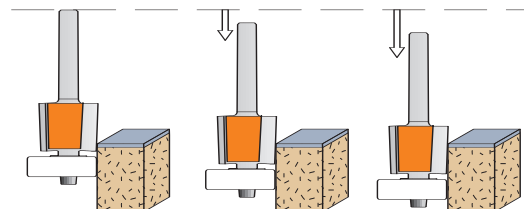
Patent pending

- Extended guide surface
- Non freezing
- Non scratch surface



Perfect trimming with the conical edges!

Thanks to the innovating conical edges of this bit you will always get perfect cuts even after resharping. In fact the most popular problem you have with the standard flush trim bits is the under-size diameter after resharping which leaves the mark on the material; now with the new CMT construction you could resharp up to six times without any problem. Just remember to adjust your bit up or down as for the illustration.



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

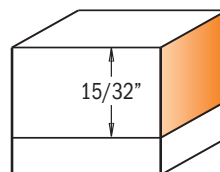
Insert Carbide Flush trim bits



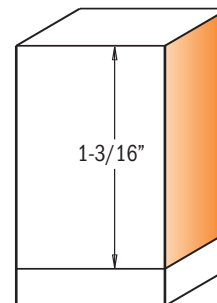
657.9



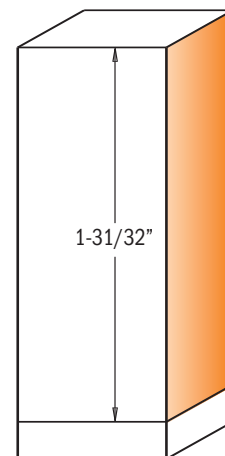
657



15/32"



1-3/16"



1-31/32"

Drawings are 1:1 scale

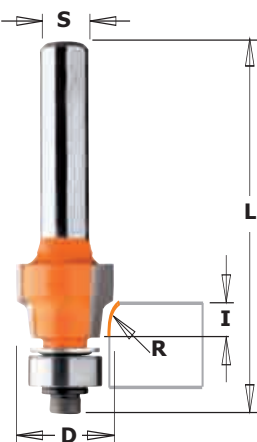
Flush trim bits with two replaceable knives fixed by special Torx screws. The blades are 2 or 4 sided sharpened and can give three extra new edges. Guided flush trim bits type 657 are equipped with the ball bearing guides.

ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	D		I	L	Spare parts			
		inches	mm			Knives	Screw Torx	Key Torx	Bearing
657.192.11		3/4	19	15/32	2-7/32	790.120.00	990.075.00	991.061.00	791.007.00
	657.692.11	3/4	19	1-3/16	3-7/16	790.300.00	990.075.00	991.061.00	791.007.00
	657.992.11	3/4	19	1-31/32	4-27/64	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

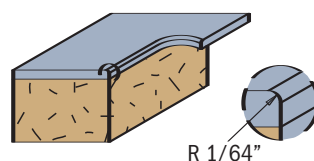
FILE-FREE Flush Trim Bits for Laminate

new

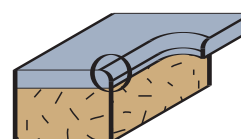


807

This new CMT's 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!



R 1/64"

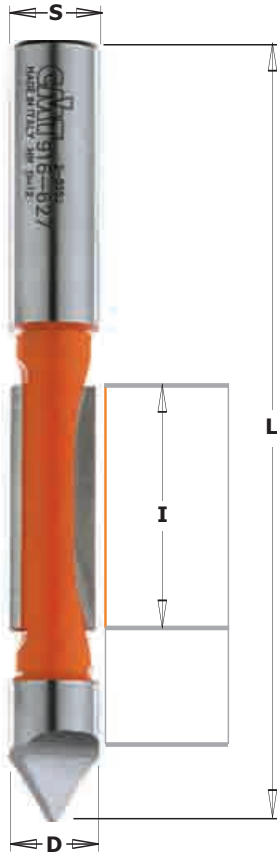


R 1/16"

Drawing are 1:1 scale

ORDER NO. 1/4" shank	D		I	R	L	Spare parts		
	inches	mm				Bearing	Shield	Screw
807.004.11	1/2	12.7	3/8	1/64	2-3/64	791.002.00	990.422.00	990.058.00
807.015.11	1/2	12.7	3/8	1/16	2-3/64	791.002.00	990.422.00	990.058.00

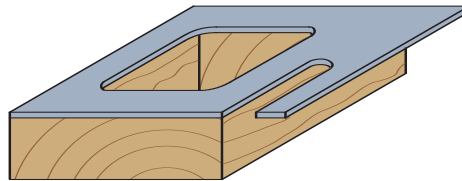
Panel Pilot Bits with Guide



816

How much time do you end up spending making openings in paneling, drywall, siding, doors or windows? With the CMT panel pilot bit, the job just got quicker. The point plunges smoothly and easily and the carbide edges cut clean and fast. All of this adds up to accurate cuts in less time and with less effort - great for trimming formica, veneer and other laminates.

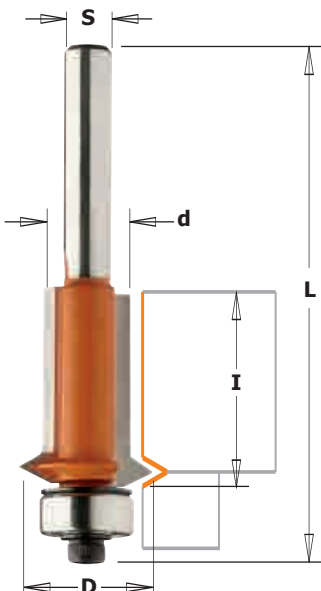
Safety Tips: Always use extra caution when working near electrical outlets and boxes - always disconnect the current. Make sure the bit does not go too deep as to cut the wires.



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		1/4	6.35	3/4	2-1/2	1
816.095.11		3/8	9.53	1	3-1/16	2
	816.627.11	1/2	12.7	1-1/4	4	2
	816.627.11-X10	10 pcs. in Masterpack				

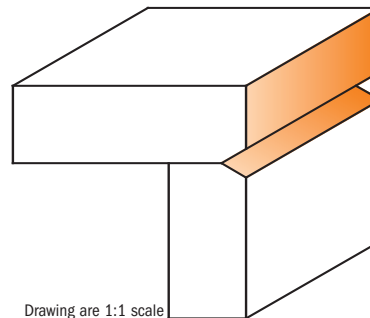
Flush & V-Groove Bits



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



Drawing are 1:1 scale

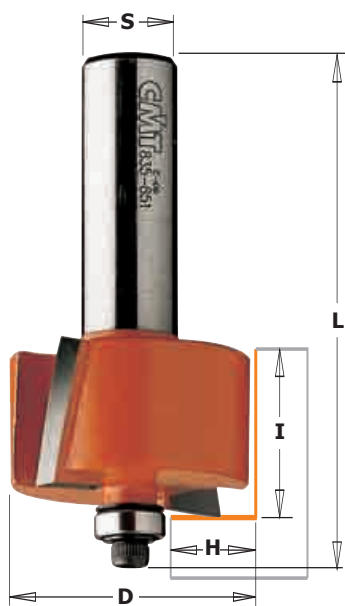
ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	d		D	I	L	Spare parts			
		inches	mm	inches	inches	inches	Shield	Bearing	Screw	Hex key
853.001.11		1/2	12.7	3/4	1	2-43/64	990.423.00	791.003.00	990.058.00	991.057.00
	853.501.11	1/2	12.7	3/4	1	3-3/64	990.423.00	791.003.00	990.058.00	991.057.00

Rabbeting Bits

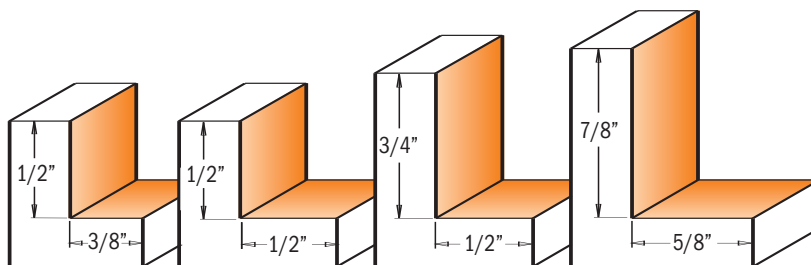
CMT ORANGE TOOLS®
CARBIDE
TIPPED

Z2

RH


835

For versatility in the workshop or on the job, it is very tough to beat CMT's carbide tipped rabbeting bits. With one of these tools you can quickly produce inset doors and drawer fronts, make strong rabbet joints, mill perfect tongue and groove joints and much more! For the greatest capacity, choose our extra-long 3/4" rabbeting bit; it even allows you to re-groove old window frames to accept insulated glass panes.



Drawings are 1:1 scale

Spare parts

ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	H		D		I		L		Shield	Bearing	Screw TCEI	Hex key
		inches	mm	inches	mm	inches	mm	inches	mm				
835.317.11		3/8	9.5	1-1/4	31.8	1/2	12.7	2-5/16	39.7	990.423.00	791.003.00	990.058.00	991.057.00
	835.817.11	3/8	9.5	1-1/4	31.8	1/2	12.7	2-27/64	69.9	990.423.00	791.003.00	990.058.00	991.057.00
835.350.11	835.850.11	1/2	12.7	1-3/8	34.9	1/2	12.7	2-11/32	55.4	990.422.00	791.002.00	990.058.00	991.057.00
	835.851.11	1/2	12.7	1-3/8	34.9	3/4	19.0	2-19/32	59.7	990.422.00	791.002.00	990.058.00	991.057.00
	835.990.11	5/8	15.87	2	50.8	7/8	22.2	3-5/64	76.2	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

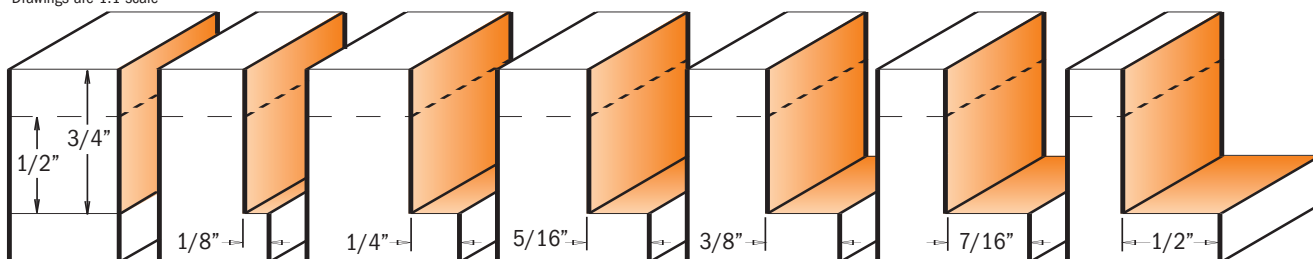
Get seven different rabbets from one bit - and all for just a little more than the cost of the bit itself. Each set includes a bit and seven bearings.

791.703.00


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		D	I
		inches	mm	inches	inches
835.001.11	835.501.11	1/8 to 1/2	3.2 - 12.7	1-3/8	1/2
	835.502.11	1/8 to 1/2	3.2 - 12.7	1-3/8	3/4

Drawings are 1:1 scale



Grand Rabbet Set



Saw Blades

Router Bits

Router Bits
Sets

Jigs
& Accessories

CNC Router Bits
& Chucks

Dowel Drills

Boring Bits

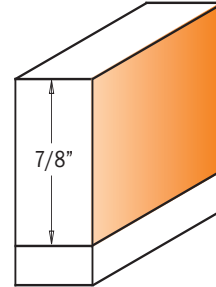
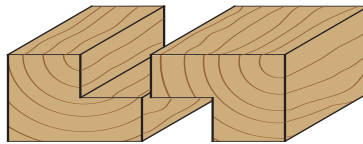
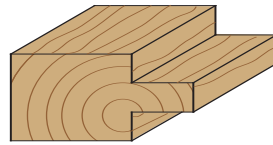
Cutter Heads
& Knives

Spare Parts

49



The ultimate rabbeting set & the ultimate tool value. This set includes our 835.990.11 bit with 7/8" cutting height, plus bearings to cut 17 different rabbets, all in a sturdy molded case.



2" collar for Flush Trim
799.517.00



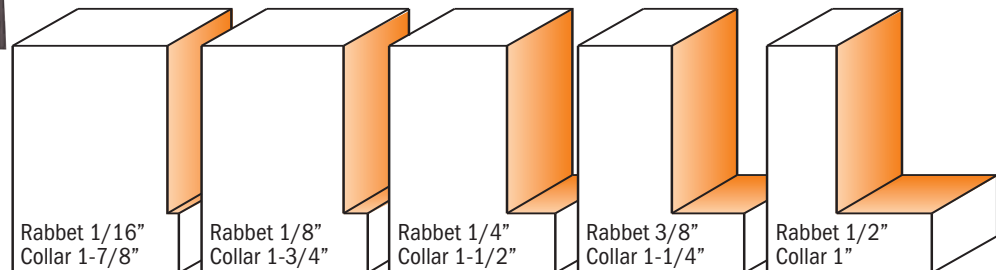
835.990

835.503.11 CMT Grand Rabbet Set 1/2" shank

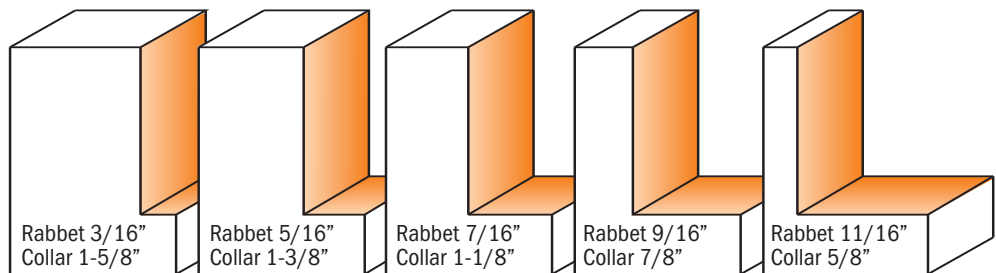
Set contains	Order No.	H		D	I
		inches	mm		
Rabbeting bit	835.990.11	5/8	15.87	2	7/8

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

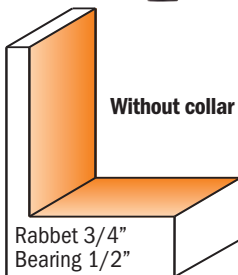
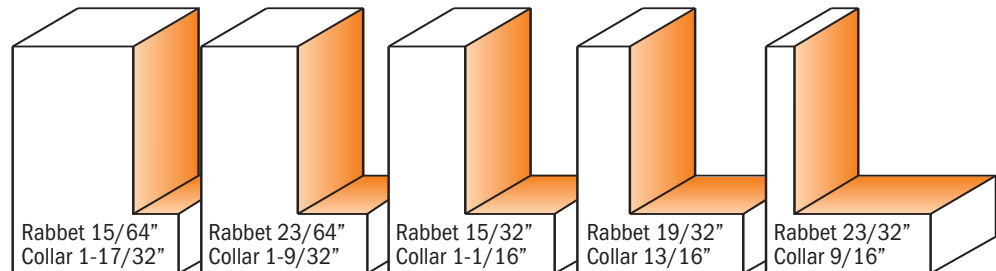
Order No. 791.705.00



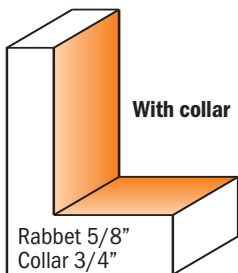
Order No. 791.706.00



Order No. 791.707.00



Without collar



With collar

Drawings are 1:1 scale

Insert Carbide Grand Rabbeting Bit

CMT ORANGE TOOLS®

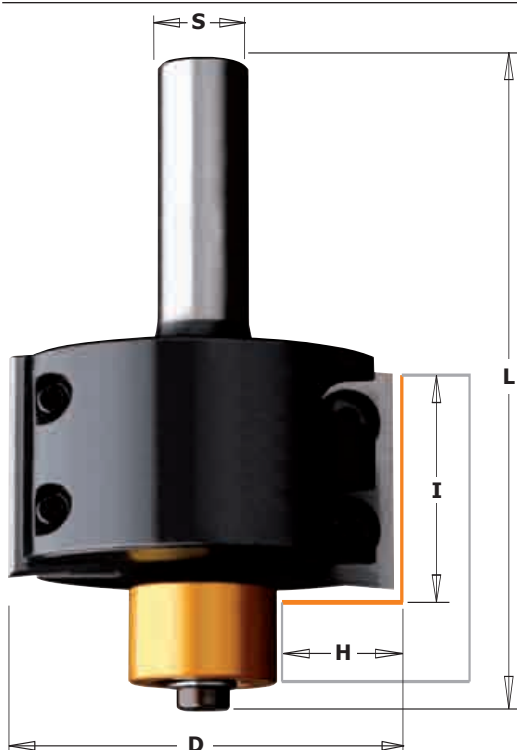
 INSERT
CARBIDE

Z2

RH

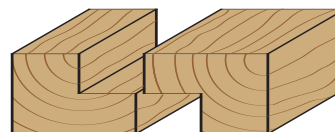
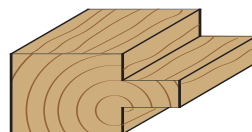
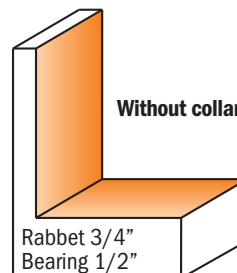
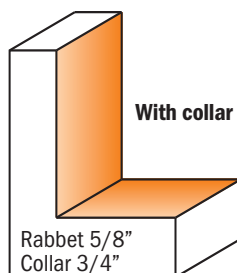
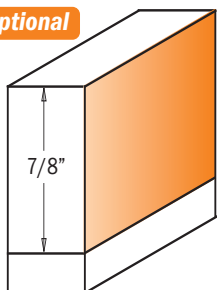

660.9

Primarily for use with portable routers, these rabbeting bits can be used with various bearings to produce a wide range of cut depths. Inserts are sharpened on all 4 sides.

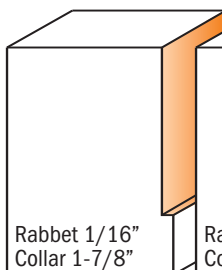
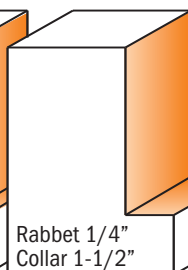
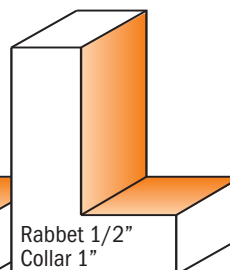

Standard

With collar

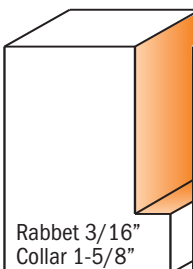
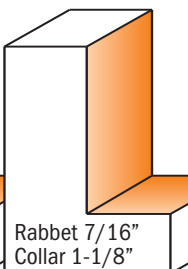
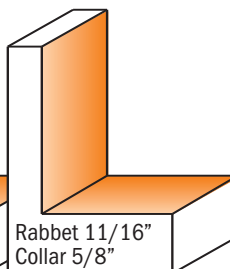
Without collar


Optional
Optional

 2" collar for Flush Trim
799.517.00

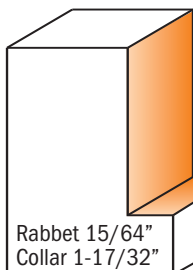
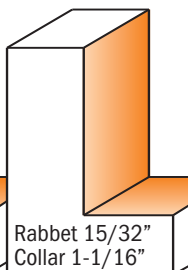
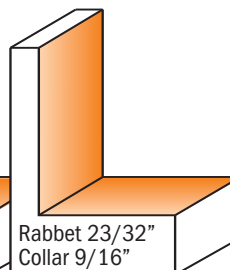
Order No. 791.705.00


 Rabbet 1/8"
Collar 1-3/4"

 Rabbet 3/8"
Collar 1-1/4"

 Rabbet 1/2"
Collar 1"

Order No. 791.706.00


 Rabbet 5/16"
Collar 1-3/8"

 Rabbet 9/16"
Collar 7/8"

 Rabbet 11/16"
Collar 5/8"

Order No. 791.707.00


 Rabbet 23/64"
Collar 1-9/32"

 Rabbet 19/32"
Collar 13/16"

 Rabbet 23/32"
Collar 9/16"

Drawings are 1:1 scale

ORDER NO.
1/2" shank

H	D	I	L
inches	mm	inches	inches
5/8	15.87	2	1-1/8
3-7/16			

Spare parts

541.514.00	Stop collar Ø6,4mm
799.503.00	Bushings Ø19,05mm
990.410.00	Shield Ø4.2/Ø9 for screw M4
990.052.00	Screw TCEI M4x6mm
991.067.00	Hex key 3mm

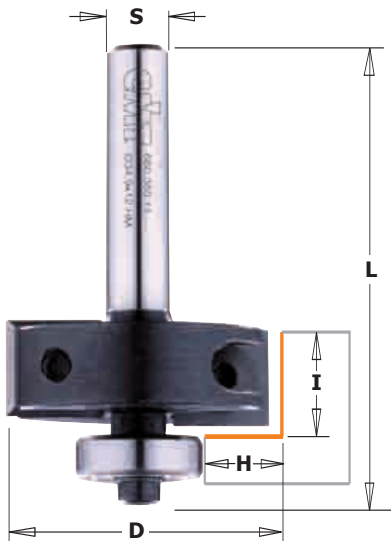
Optional

799.517.00	Collar for flush trim Ø50,8mm
791.705.00	5 pcs. collar set (1,6-3,2-6,35-9,5-12,7mm rabbets)
791.706.00	5 pcs. collar set (4,7-8-11,1-14,3-17,5mm rabbets)
791.707.00	5 pcs. collar set (6-9,1-11,9-15-18,2mm rabbets)

Spare parts

Knives	Screw Torx	Key Torx	Bearing
790.283.00	990.075.00	991.061.00	791.010.00

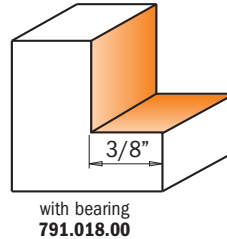
Insert Carbide Rabbeting Bit



660

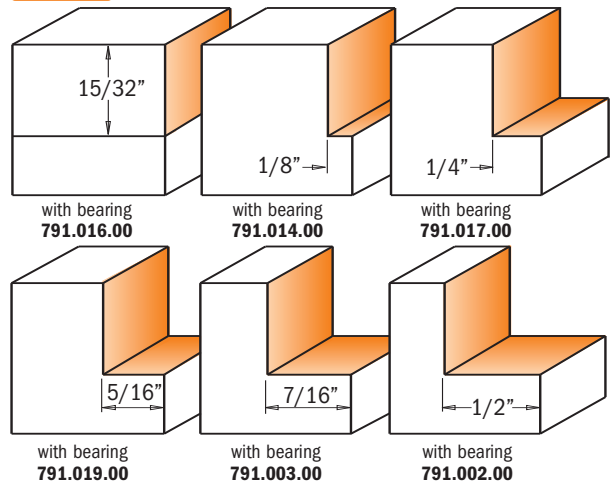
Primarily for use with portable routers, these rabbeting bits can be used with various bearings to produce a wide range of cut depths. Inserts are sharpened on all 4 sides.

Standard



Drawings are 1:1 scale

Optional

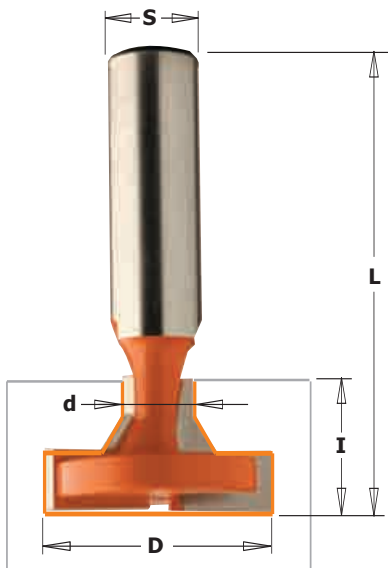


ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	H		D	I	L	Spare parts			
		inches	mm	inches	inches	inches	Knives	Screw Torx	Key Torx	Bearing
660.351.11		3/8	9.5	1-3/8	15/32	2-11/64	790.120.00	990.075.00	991.061.00	791.018.00
	660.851.11	3/8	9.5	1-3/8	15/32	2-9/16	790.120.00	990.075.00	991.061.00	791.018.00

Spare parts

- 990.400.00** Washer 3.2/7mm fro screw M3 (bearing 791.002.00 - 791.003.00 - 791.018.00 - 791.019.00)
- 541.552.00** Washer 3.25/15.87mm fro screw M3 (bearing 791.016.00 - 791.014.00 - 791.017.00)
- 990.051.00** Screw TCEI M3x6mm for bearing (for bearing 791.002.00 - 791.003.00 - 791.018.00)
- 990.053.00** Screw TCEI M3x10mm for bearing (for bearing 791.014.00 - 791.017.00 - 791.019.00)
- 990.054.00** Screw TCEI M3x16mm for bearing (for bearing 791.016.00)
- 991.062.00** 2.5mm hex key

T-Slot Bits



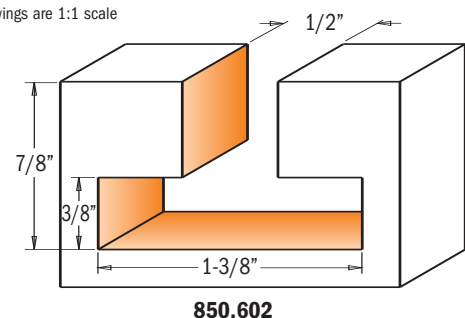
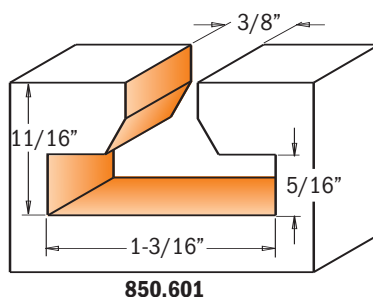
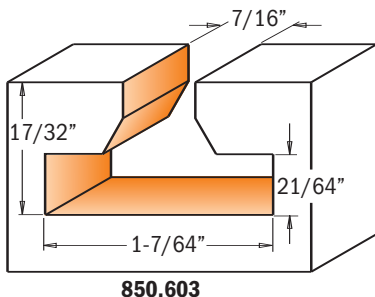
850.6

With the CMT T-Slot bits you can make wall panels slots. These bits are not designed for plunging operations. For best results use in CNC and table-mounted routers.



ORDER NO. 1/2" shank	D		d	I	L
	inches	mm	inches	inches	inches
850.603.11	1-7/64	28	3/16	7/16	2-7/32
850.601.11	1-3/16	30	3/8	11/16	2-3/8
850.602.11	1-17/64	32	19/32	25/32	2-1/2

Drawings are 1:1 scale



Keyhole Bits

CMT ORANGE
TOOLS®
SOLID
CARBIDE

Z2

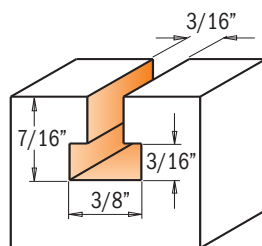
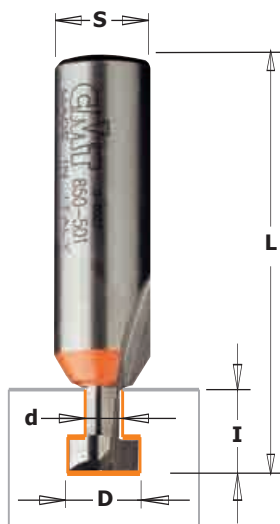
RH

850.001

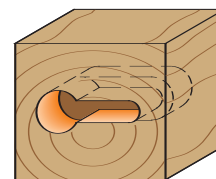
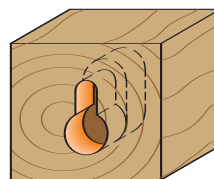
With the CMT keyhole bit you can make holes that keep your frames, plaques or any wall hanging perfectly straight and attached to the wall. The bit bores an entry hole in the wood, then proceeds to cut a 3/16" hole and finishes by boring a larger opening under the surface. The perfect way to securely mount wall hangings on screws and nails.

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.



Drawings are 1:1 scale


ORDER NO.
1/4" shank

850.001.11
ORDER NO.
1/2" shank

850.501.11
D
inches mm
3/8 9.5

d
inches
3/16

I
inches
7/16

L
inches
2-9/64

Screw Slot Bits

813.601 - 813.701

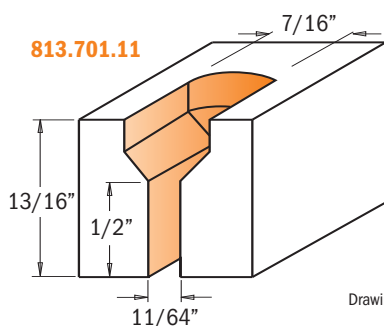
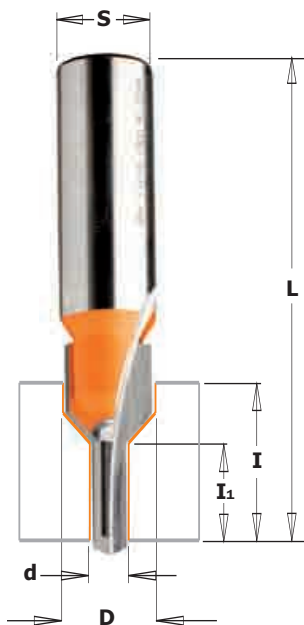
CARBIDE
TIPPED

Z2

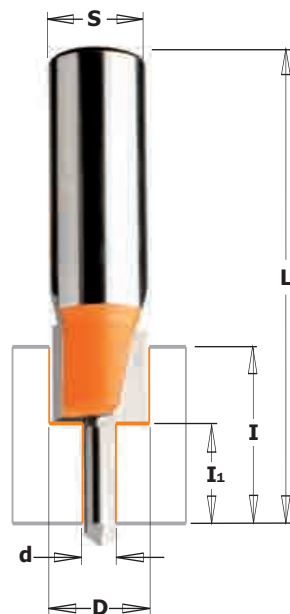
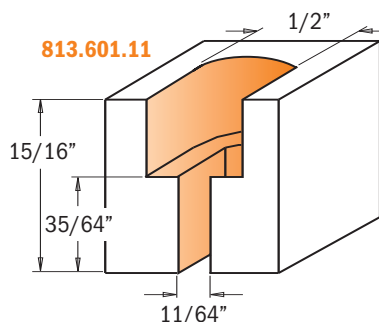
RH

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 let you create screw slots so that panels can be held in place but are able to slide back and forth without splitting the wood or breaking the screw securing them.

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



Drawings are 1:1 scale


ORDER NO.
1/2" shank

813.601.11
813.701.11
D
inches mm
1/2 12.7
7/16 11.1

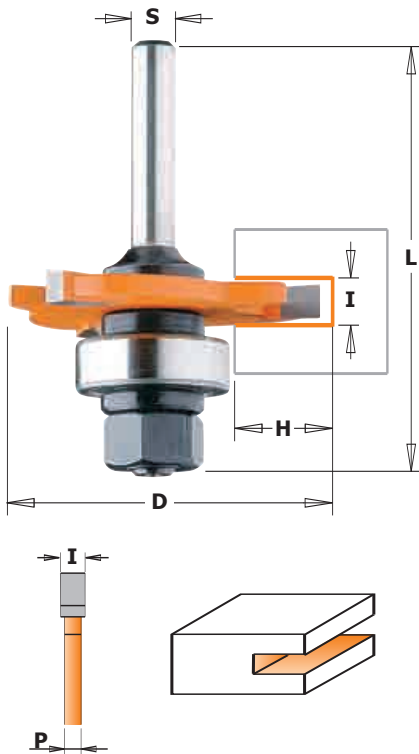
d
inches
11/64

I
inches
15/16
13/16

I1
inches
35/64
1/2

L
inches
2-1/2
2-1/2

Slot Cutters with Arbor and Bearing

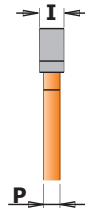
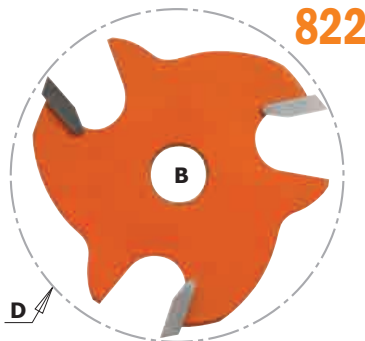


822A/B

CMT's Slot Cutters are great for splines, biscuits, T-molding and 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".

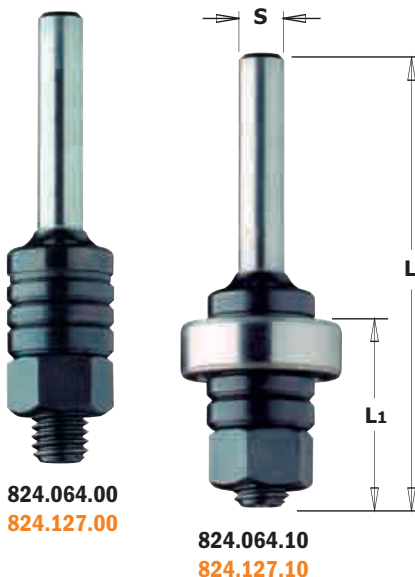
ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	I		D	H	P	L
		inches	mm	inches	inches	inches	inches
822.316.11A		1/16	1.6	1-7/8	1/2	0.042	2-13/32
	822.316.11B	1/16	1.6	1-7/8	1/2	0.042	2-43/64
822.320.11A		5/64	2	1-7/8	1/2	0.050	2-13/32
	822.320.11B	5/64	2	1-7/8	1/2	0.050	2-43/64
822.324.11A		3/32	2.4	1-7/8	1/2	0.050	2-13/32
	822.324.11B	3/32	2.4	1-7/8	1/2	0.050	2-43/64
822.332.11A		1/8	3.2	1-7/8	1/2	0.050	2-13/32
	822.332.11B	1/8	3.2	1-7/8	1/2	0.050	2-43/64
822.340.11A		5/32	4	1-7/8	1/2	0.081	2-13/32
	822.340.11B	5/32	4	1-7/8	1/2	0.081	2-43/64
822.348.11A		3/16	4.8	1-7/8	1/2	0.112	2-13/32
	822.348.11B	3/16	4.8	1-7/8	1/2	0.112	2-43/64
822.360.11A		15/64	6	1-7/8	1/2	0.175	2-13/32
	822.360.11B	15/64	6	1-7/8	1/2	0.175	2-43/64
822.364.11A		1/4	6.4	1-7/8	1/2	0.175	2-13/32
	822.364.11B	1/4	6.4	1-7/8	1/2	0.175	2-43/64



The best Slot Cutter won't give you a clean cut without a top quality, perfectly concentric arbor. That's why CMT arbors are carefully machined from special high-strength steel and precision ground in all critical areas. Available as arbor only or with 7/8" (22mm) bearing.

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

ORDER NO.	I		D	B	P
	inches	mm	inches	mm	inches
822.316.11	1/16	1.6	1-7/8	8	0.042
822.320.11	5/64	2	1-7/8	8	0.050
822.324.11	3/32	2.4	1-7/8	8	0.050
822.332.11	1/8	3.2	1-7/8	8	0.050
822.340.11	5/32	4	1-7/8	8	0.081
822.348.11	3/16	4.8	1-7/8	8	0.112
822.360.11	15/64	6	1-7/8	8	0.175
822.364.11	1/4	6.4	1-7/8	8	0.175



824

ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	Description	I inches	L inches
824.064.00		Slot cutter arbor without bearing	1-1/32	2-13/32
	824.127.00	Slot cutter arbor without bearing	1-1/32	2-43/64
824.064.10		Slot cutter arbor with bearing	1-1/32	2-13/32
	824.127.10	Slot cutter arbor with bearing	1-1/32	2-43/64

Spare parts

791.005.00	Ø8-22mm bearing
541.501.00	4mm spacer
541.500.00	3mm spacer

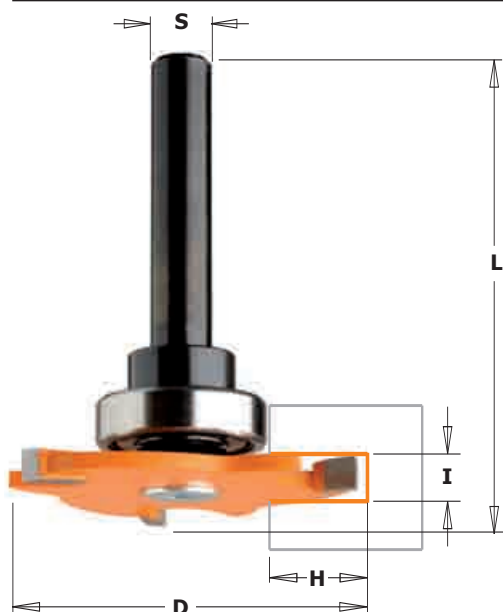
541.518.00	1mm spacer
990.020.00	Dado M8

Slot Cutter with Arbor and Bearing

CMT ORANGE TOOLS®
CARBIDE
TIPPED

Z3

RH

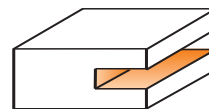
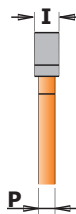


823B

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.

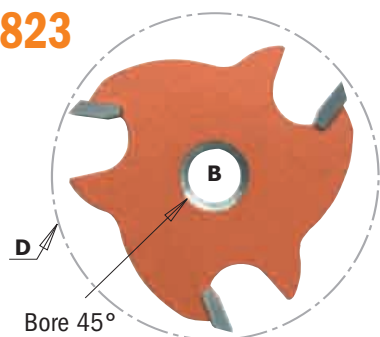
Each bit has 3 carbide tipped cutting wings, PTFE coating and an anti-kickback design feature. The 22mm bearing provides a 1/2" depth of cut and available in a 1/8", 5/32", and 1/4" cutting lengths.

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

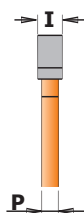


ORDER NO. 1/2" shank	I		P	D	H	L
	inches	mm	inches	inches	inches	inches
823.332.11B	1/8	3.2	0.050	1-7/8	1/2	2-19/64
823.340.11B	5/32	4	0.081	1-7/8	1/2	2-29/64
823.364.11B	1/4	6.35	0.175	1-7/8	1/2	2-35/64

823



Bore 45°

CARBIDE
TIPPED

Z3

RH



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		P	D	B
	inches	mm	inches	inches	mm
823.332.11	1/8	3.2	0.050	1-7/8	8
823.340.11	5/32	4	0.081	1-7/8	8
823.364.11	1/4	6.4	0.175	1-7/8	8



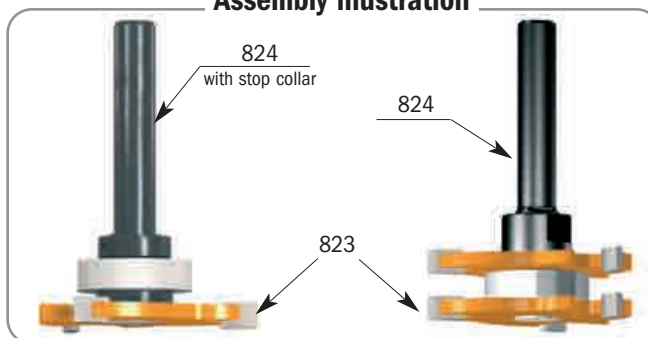
824.061.00
824.121.00
824.122.00
824.122.10



824.061.10
824.121.10

824

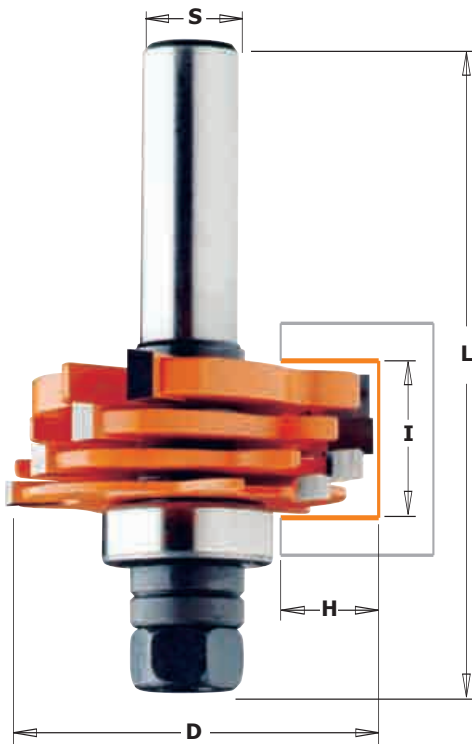
Assembly illustration



ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	Description
824.061.00	824.121.00	Slot cutter arbor without bearing without stop collar
824.061.10	824.121.10	Slot cutter arbor with bearing and stop collar
	824.122.00	Slot cutter arbor without bearing without stop collar
	824.122.10	Slot cutter arbor with bearing without stop collar
Spare parts		
791.012.00	Ø5/16" - 7/8" 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	

Slot Cutter Set

CMT ORANGE TOOLS®



800.506

CMT's 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:

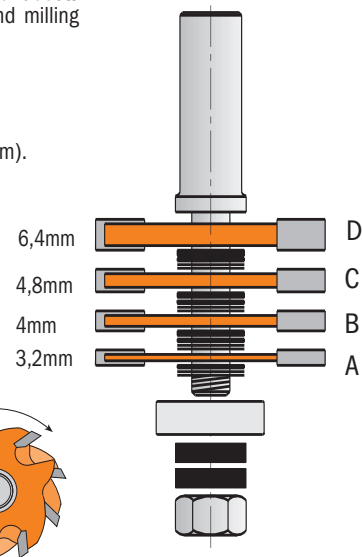
Never use without shims between the cutters and between the cutter & bearing.

Shop Tips:

The bearings kit **791.711.00** allows to make 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 rotational direction as shown below. Looking down the arbor the cutters will turn clockwise.

ORDER NO. 1/2" shank	I		D	H	L	Spare parts		
	inches	mm				Arbor with shims	Bearing	Nut M8
800.506.11	1/8 to 23/32	3.2-18	1-7/8	1/2	3-3/16	824.128.00	791.005.00	990.020.00

Spare parts
791.711.00 Kit of two bearing (1-1/8" & 1-3/8") for slot cutter
541.515.00 0.1mm spacer

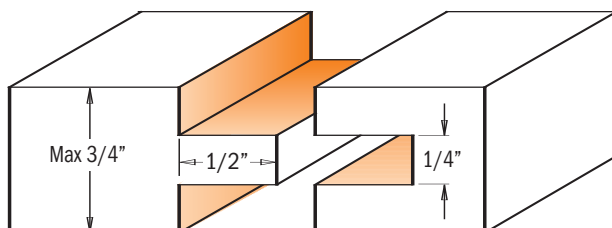
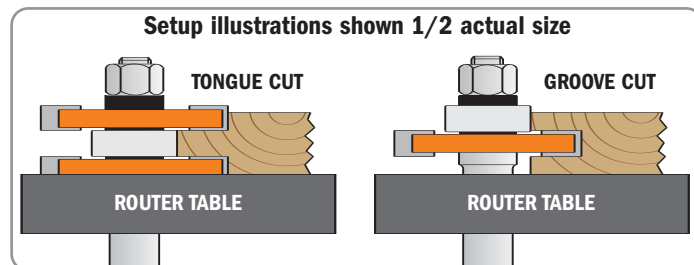
541.517.00 0.5mm spacer
541.518.00 1mm spacer

Tongue and Groove Set



800.626

Make tongue and groove joints without the complicated process of taking apart and reassembling bits. The CMT Tongue and Groove Set gives you one bit to rout the slot and a separate bit to mill the tongue. Or use your imagination and put them to work individually on other projects. Makes tongue and groove cuts in wood up to 3/4" thick.



Drawings are 1:1 scale

ORDER NO. 1/2" shank	I		D	H	L	
	inches	mm				
800.626.11	3/4	19	1-7/8	1/2	2-51/64	

Spare parts

824.131.00 1/2" arbor
822.364.11 1/4" Slot cutter
791.005.00 Ø22mm bearing
541.515.00 0.1mm spacer

541.516.00 0.3mm spacer
541.517.00 0.5mm spacer
541.518.00 1mm spacer
990.020.00 Nut for arbor, M8 thread

Wainscot/Paneling Bit

CMT ORANGE TOOLS®
CARBIDE
TIPPED

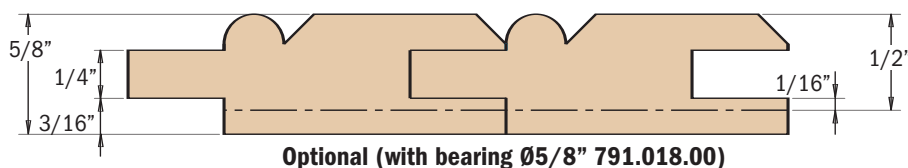
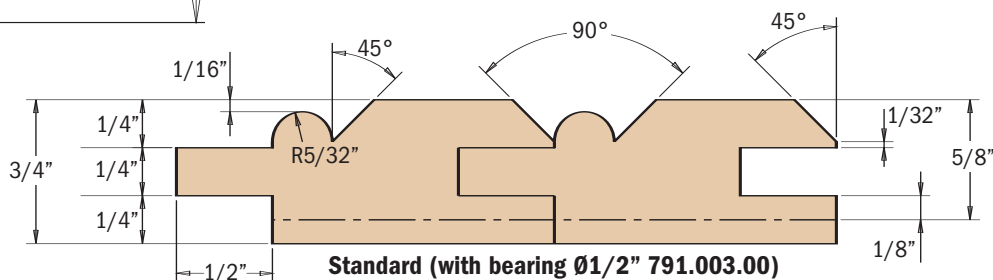
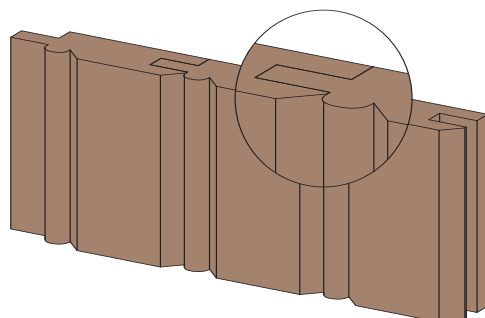
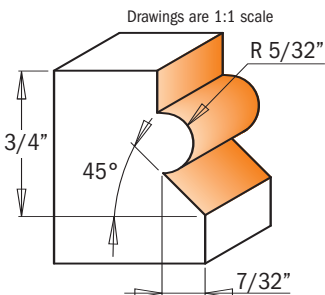
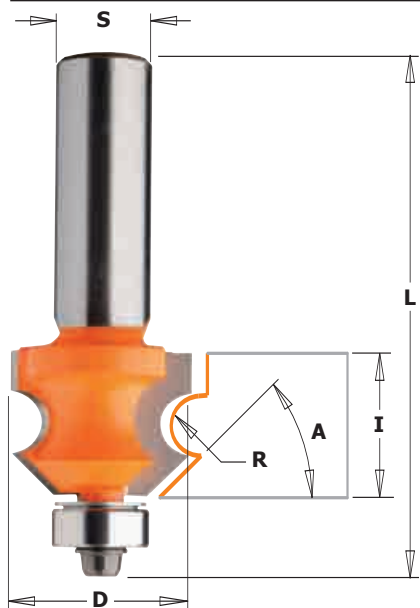
Z2

RH

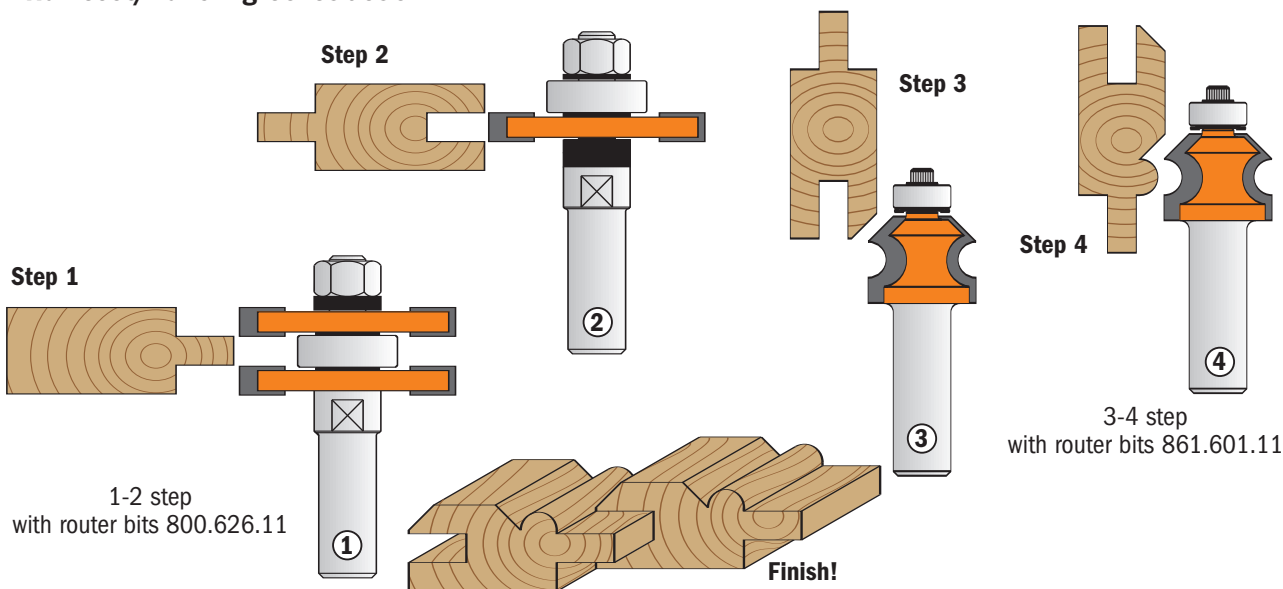


861.6

This new router bit designed for 3/4" thick stock 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 with this new bit. Perfect for cabinets, bookcase backings, ceiling and wall paneling.



Wainscot/Paneling Construction


ORDER NO.
1/2" shank

861.601.11
D

inches mm

15/16 23.8

I

inches

3/4

R

inches

5/32

A

degrees

45°

L

inches

2-43/64

Spare parts

Shield

Bearing

Screw TCEI

Hex key

990.423.00

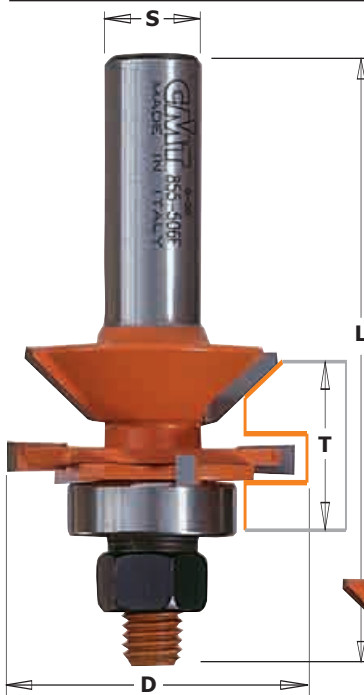
791.003.00

990.058.00

991.057.00

V-Tongue and Groove Set

CMT ORANGE TOOLS®



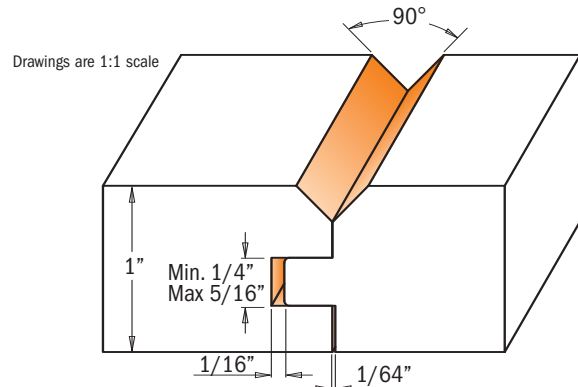
855.506

This unique set from CMT will produce beautiful tongue and groove paneling or flooring with an attractive 45° "V" pattern. The difference between the CMT set and other sets is that both our bits have bearings to help guide the workpiece accurately. Our bits are carefully matched, so it's easy to change bits to make the male and female cuts. For the fastest possible production when running large volumes of stock, consider setting up on two separate router tables, with one dedicated to each cutting operation.

CARBIDE
TIPPED

Z2

RH



Drawings are 1:1 scale

ORDER NO.
1/2" shank

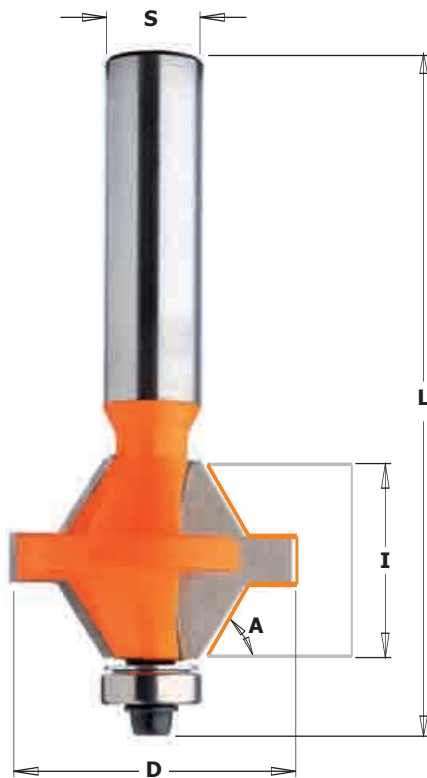
855.506.11

D	T	L
inches	inches	inches
1-3/4	3/4 - 1	2-63/64

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
990.020.00	Nut for arbor, M8 thread

Edge Banding Bits Set



855.510

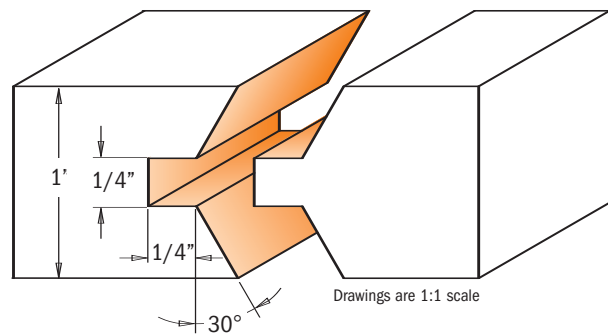
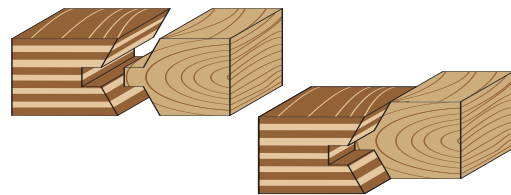
This is a great set to create economical but attractive and durable edge to your cabinet doors. Use 1/2" or 1" thick panels in plywood or MDF and create your own edge banding from the wood of your choice.

Easy to use: just center each cutter on the stock and make the cut; glue together the two pieces and flush trim it after assembly if necessary. The set features a 60° tongue & groove for a large surface area for glue.

CARBIDE
TIPPED

Z2

RH



Drawings are 1:1 scale

ORDER NO.
1/2" shank

855.510.11

D	I	A	L
inches	inches	inches	inches
1-37/64	1	30°	2-15/16

Spare parts

Shield	Bearing	Screw TCEI	Hex key
990.423.00	791.018.00	990.058.00	991.057.00

Drawer Lock Bits

CMT ORANGE TOOLS®

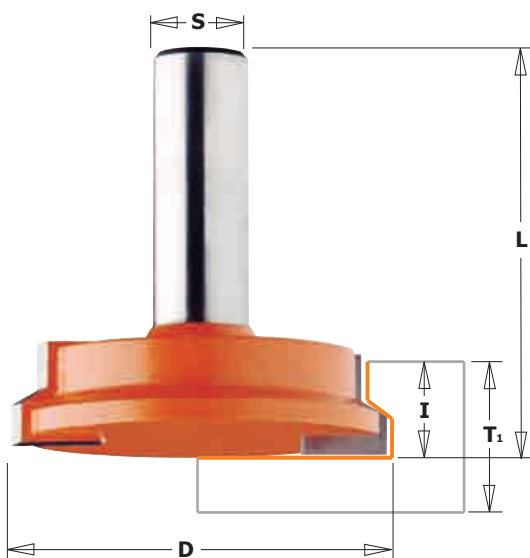
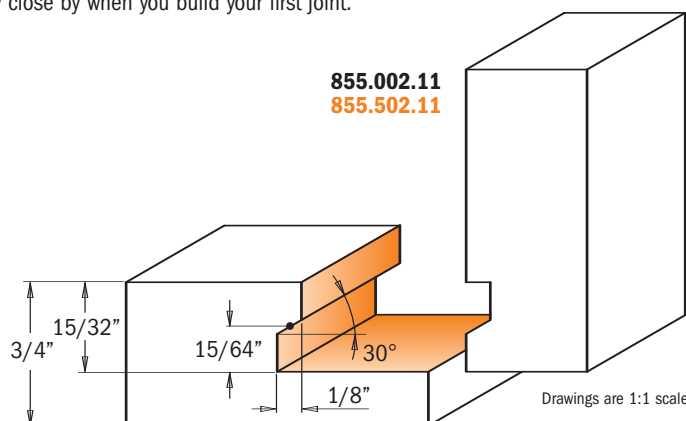
 CARBIDE
TIPPED

Z2

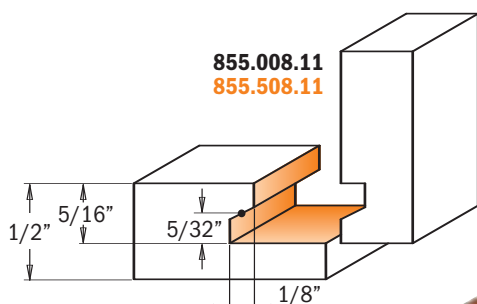
RH


855

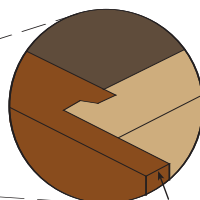
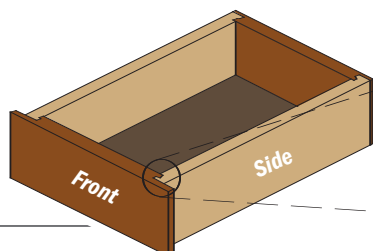
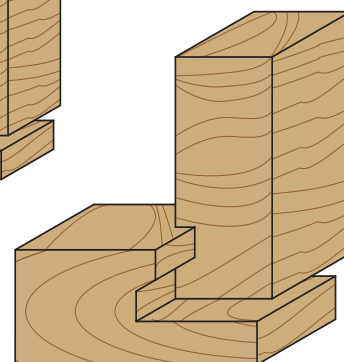
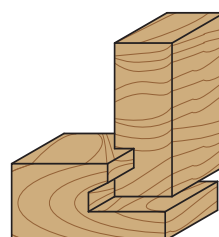
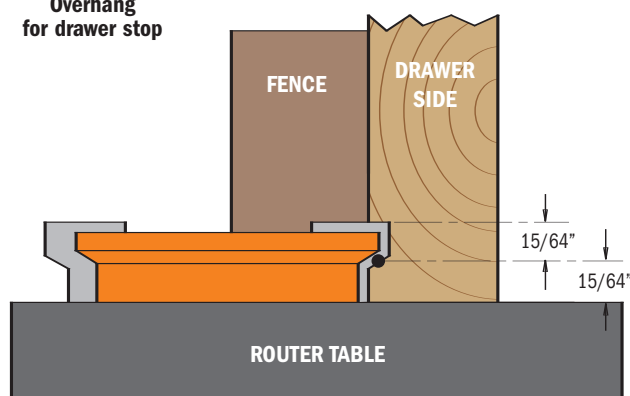
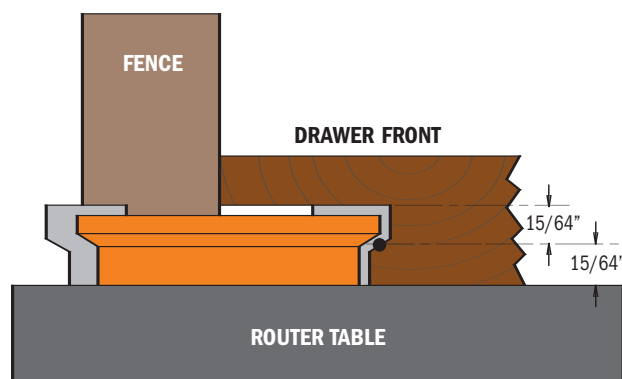
Most drawers live a pretty tough life. They're pulled and pushed and usually overloaded, so the key to success when constructing fine drawers is in the quality of the joint you choose for the corners. With CMT Drawer Lock Bits you can make strong, perfectly fitting joints quickly and easily. Be sure to keep the setup illustrations below close by when you build your first joint.


855.002.11
855.502.11


Drawings are 1:1 scale

855.008.11
855.508.11


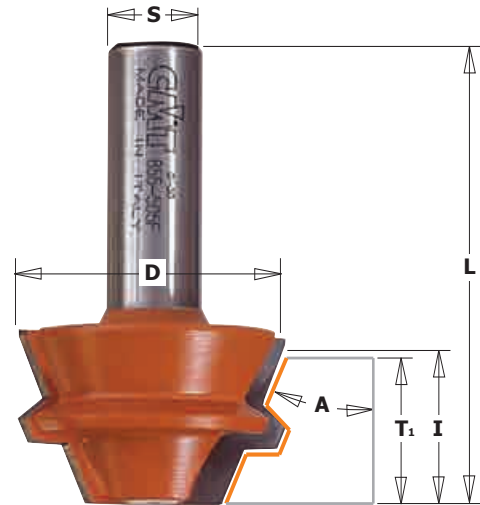
Drawings are 1:1 scale


 Overhang
for drawer stop


As illustrated, 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 vertical in relation to the bit and fence, and perpendicular to the table. Make a few test cuts on scrap stock to test your setup. These bits are to be used on router tables only and are not to be used on hand held routers.

ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	D		T ₁		I	L
		inches	mm	min. inches	max inches	inches	inches
855.008.11	855.508.11	1	25.4	3/8	5/8	1/2	2-25/64
855.002.11		1-1/4	31.7	5/8	1	1/2	1-49/64
	855.502.11	2	50.8	5/8	1	1/2	2

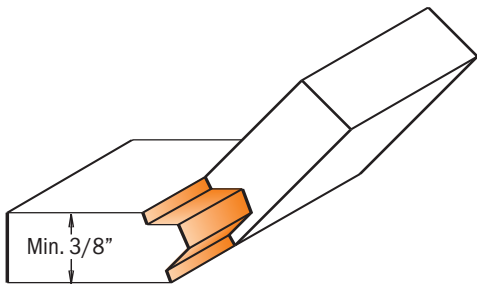
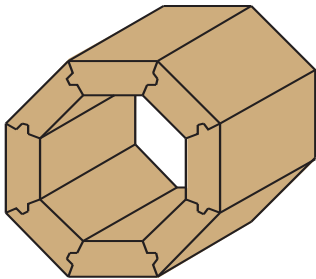
Lock Miter Set



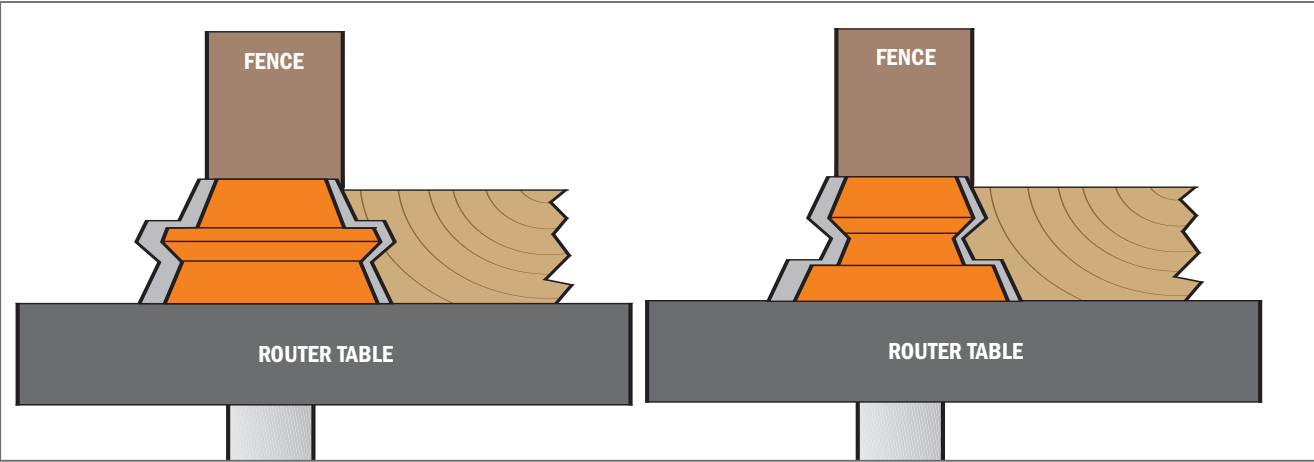
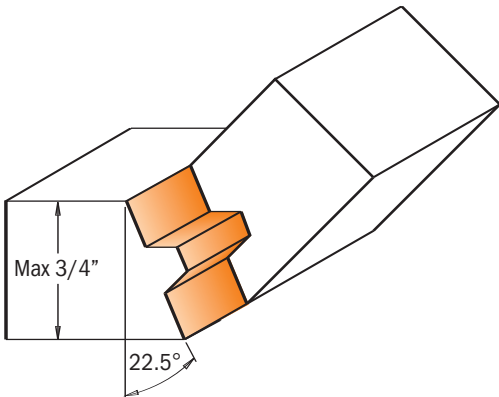
855.505



Octagonal shapes are very popular for kitchen corner cabinets, entertainment centers, kitchen islands and corner hutches, but the joints used to be difficult to cut and a nightmare to clamp. Now, CMT's new 22.5° Lock Miter Set provides a fast, accurate way to build a strong, tight 45° joint. Better still, the lock miter design makes it easy to clamp! This matched pair of cutters makes set-up easy. Height adjustment is not critical - simply adjust your fence so the top edge of the work piece 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.

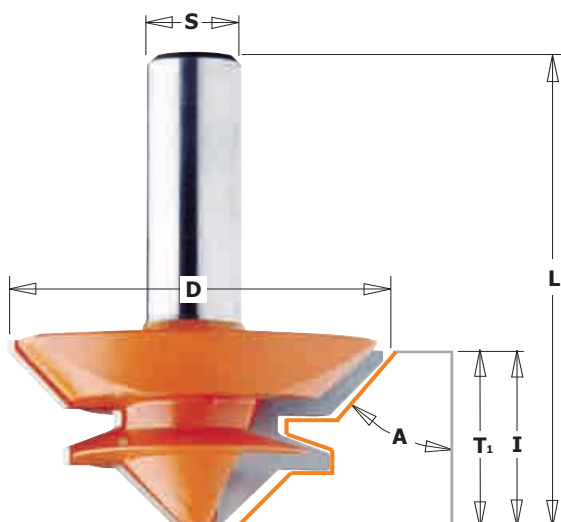


Drawings are 1:1 scale



ORDER NO. 1/2" shank	D		I	A	T ₁	L
	inches	mm	inches			inches
855.505.11	1-15/32	37.3	7/8	22.5°	3/8-3/4	2-3/8

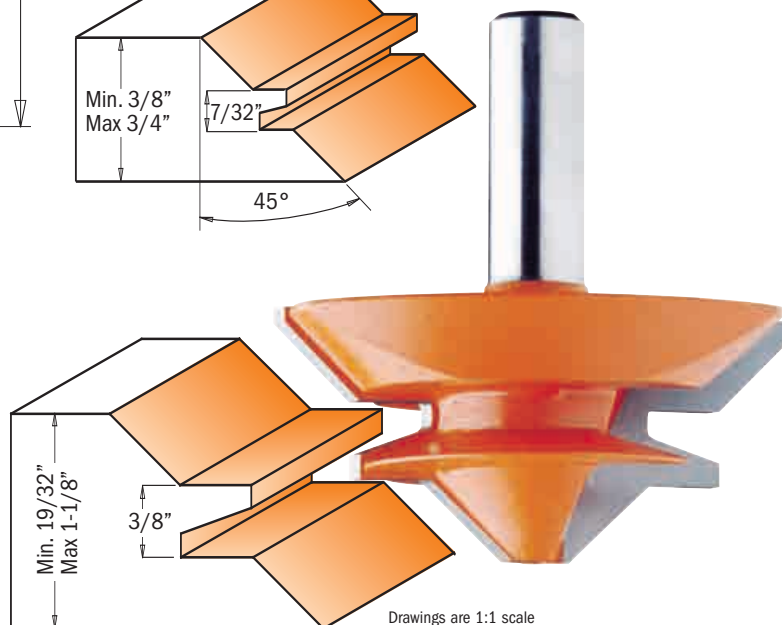
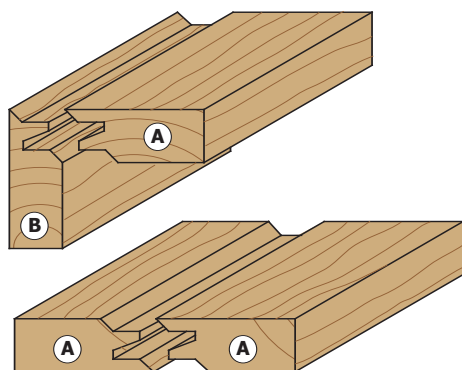
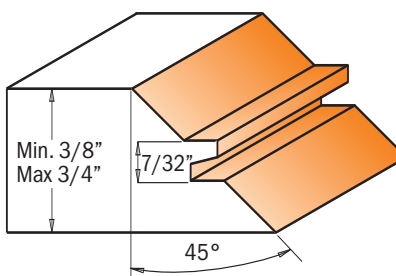
Lock Miter Bits

CMT ORANGE TOOLS®
855.503 - 855.504
**CARBIDE
TIPPED**
Z2
RH


CMT lock miter bits are ideal for milling miter joints in 1-1/8" stock. The 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 MILL STURDY PARALLEL GLUE JOINTS

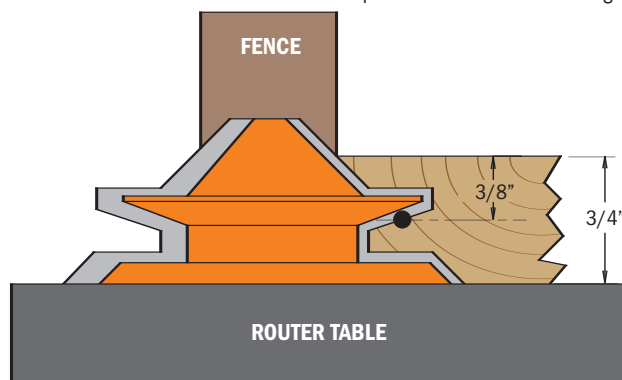
Follow the instructions in Step 1 and Fig. 1 below for the first piece of stock, routing the joint with the inside face of the workpiece laid flat on the table and centered to the bit. To rout the second piece of stock, lay the workpiece flat on the table and centered to the bit with the inside face up.

ORDER NO.
1/2" shank
855.503.11
855.504.11

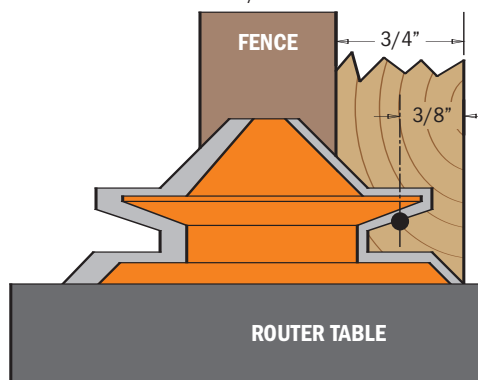
	D		I	A	T₁	L
	inches	mm	inches		inches	inches
855.503.11	2-3/4	69.8	1-1/4	45°	5/8-1-1/8	2-49/64
855.504.11	2	50.8	7/8	45°	3/8-3/4	2-3/8

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.

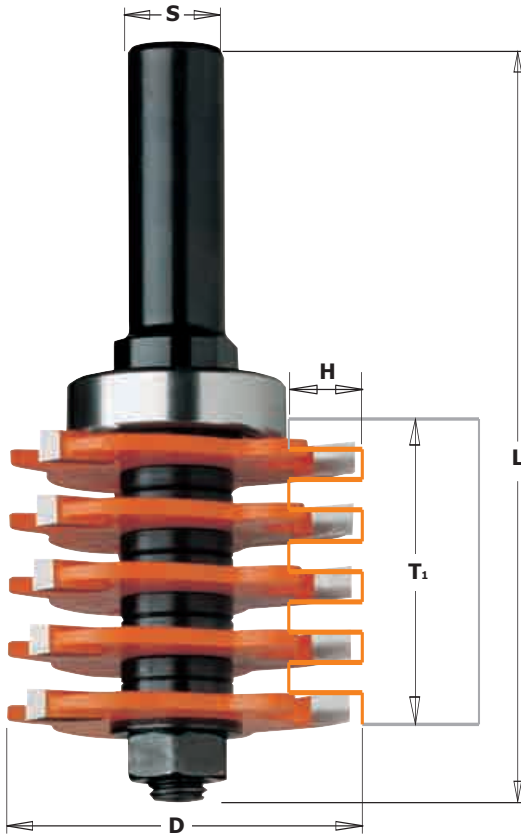


Step 1: Rout the first piece of stock with the inside face down on the work table and the wood centred to the bit. Mill as shown in Fig. 1 of the illustration. Use pusher blocks or a pusher stick to control the workpiece, and use featherboards attached to both the fence and table to hold the workpiece 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.

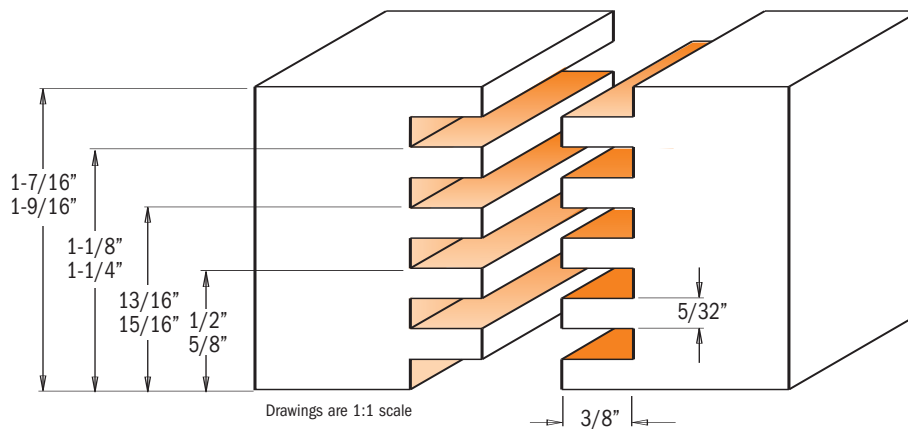
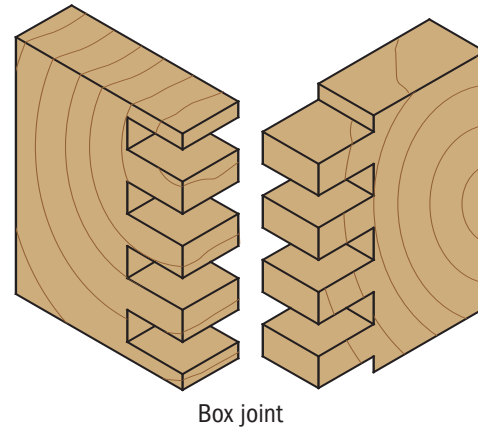
Box Joint Bit



800.616



This bit allows you to cut accurate and functional finger joints with ease. Simply adjusting the height of the bit allows you to cut joints in a number of different stock thicknesses, as indicated in the drawing below. The bearing cuts joints that are 3/8" deep, for other joint depths just move the fence inward.



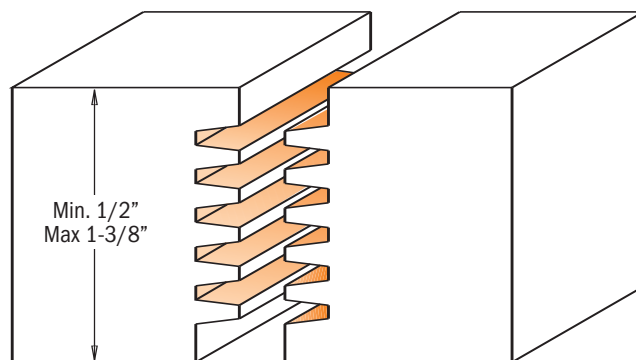
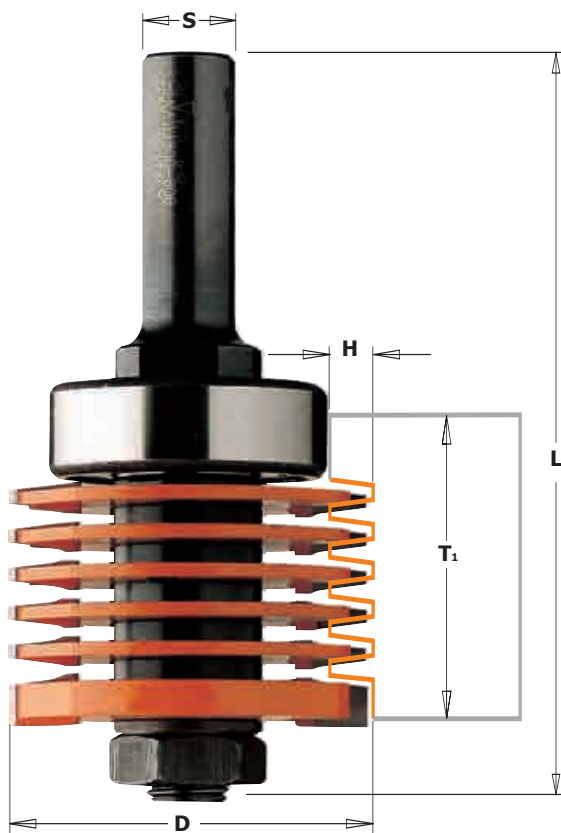
ORDER NO. 1/2" shank	D		H	T ₁	L	Spare parts			
	inches	mm	inches	inches	inches	Arbor with shim	Bearing	Slot cutter	Nut M8
800.616.11	1-7/8	47.6	3/8	1/2-1-9/16	3-35/64	824.130.00	791.027.00	822.340.00	990.020.00
Spare parts									
	541.515.00	0.1mm spacer							
	541.519.00	5.8mm spacer							

Professional Finger Joint Bit

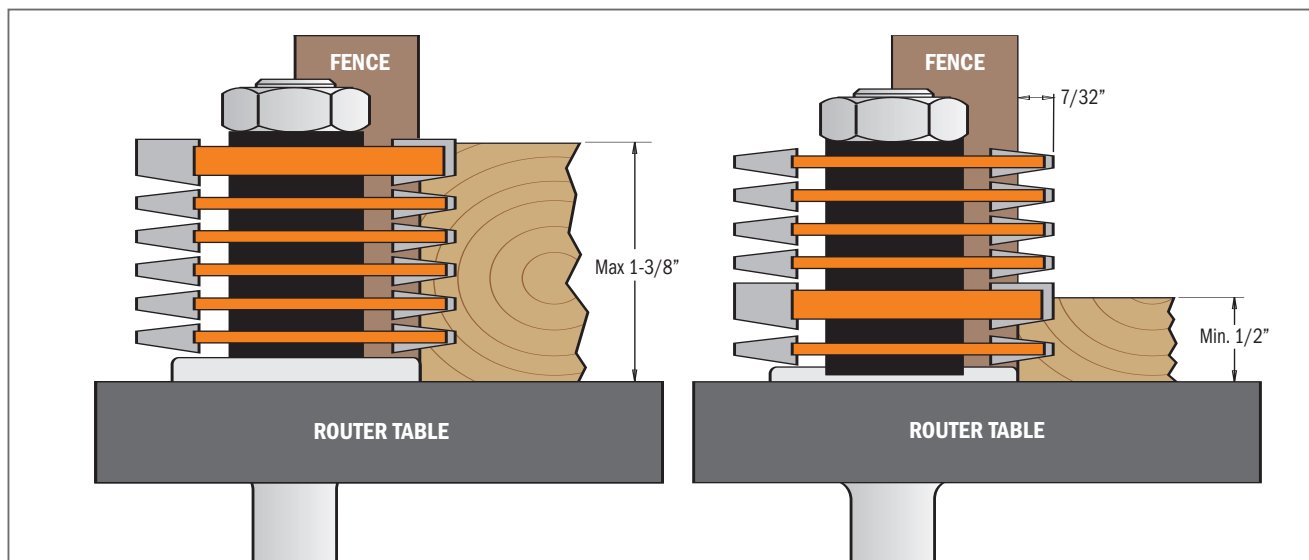
CMT ORANGE TOOLS®

800.606
**CARBIDE
TIPPED**
Z2
RH


The versatile CMT Professional Finger Joint Bit lets you make an incredibly strong side-to-side or end-to-end joint in wood and wood composites. The tightness of the accurately cut joint and the maximum glue surface create a joint that is actually stronger than the wood itself. The bit features two flute design, carbide teeth and six removable cutters. Use different combinations of cutters to mill joints from 1/2" to 1-3/8" thick.



Drawings are 1:1 scale



ORDER NO. 1/2" shank	D		H	T ₁	L	Spare parts		
	inches	mm	inches	inches	inches	Arbor with shim	Bearing	Nut
800.606.11	1-7/8	47.6	7/32	1/2 - 1-3/8	3-53/64	824.129.00	791.028.00	990.022.00

Spare parts	822.005.11	5/64" two-flute slot cutter
	822.006.11	7/32" two-flute slot cutter
	541.511.00	1/8" spacer
	541.512.00	5/64" spacer
	541.513.00	0.1mm spacer

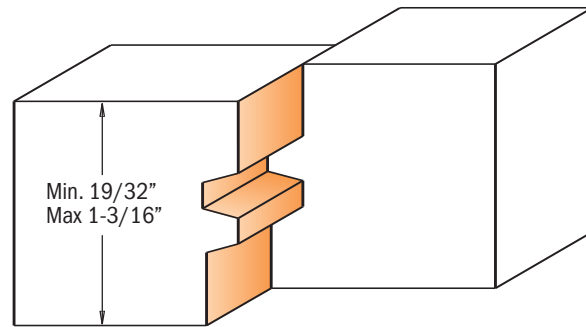
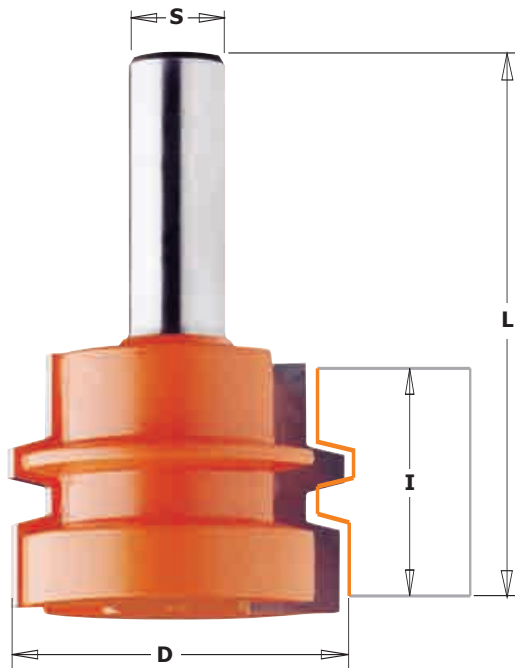
Reverse Glue Joint Bit



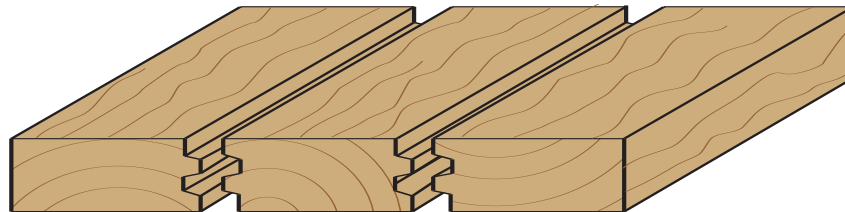
855.501

CMT's Reverse Glue Joint Bit produces an almost indestructible glue joint quickly and accurately. Ideal for joining wide panels, doors and furniture parts. By accurately centering the bit in the wood, the upper and lower vertical cutting edges of the bit will cut equal proportions. Simply run one edge of the panel, turn the panel over, and then run the opposite edge - you will produce perfectly matched reverse cuts that form flawless joints.

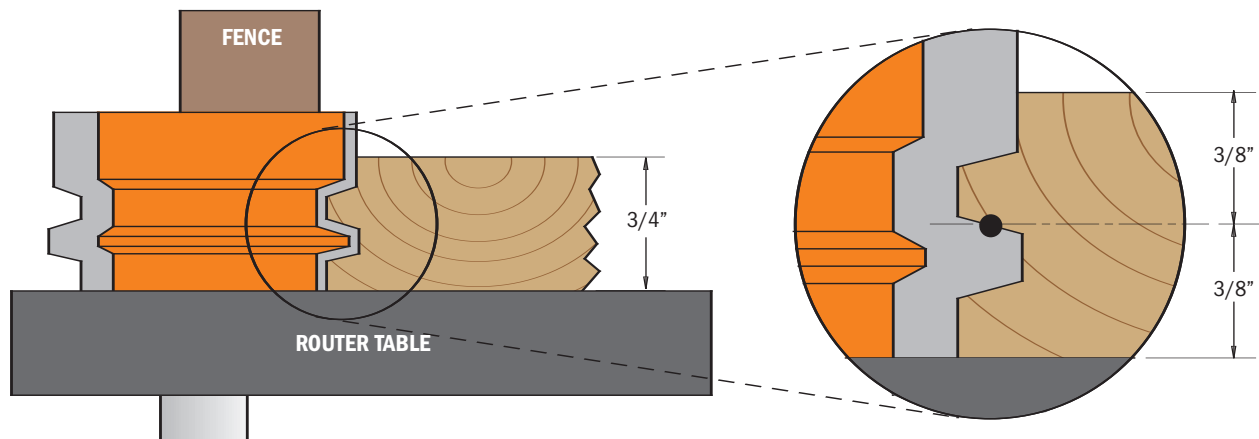
Tip: When gluing, apply enough pressure to securely seal the joint. Insufficient pressure results in a weak joint and excessive pressure will distort the wood.



Drawings are 1:1 scale



In this example we have used a 3/4" board



For accurate cuts, the bit must be centered on the edge of the workpiece.

When the bit is properly centered, the upper and lower vertical "shoulders" will be the same height. Line up the center of the edge of the workpiece with the center point of the bit as shown in the enlarged drawing.

Make test cuts and adjust the bit height as needed before cutting your workpiece. Once the bit's height is properly set, make the cut on one piece of stock with the face side up, then make the cut on the matching piece with the face side down.

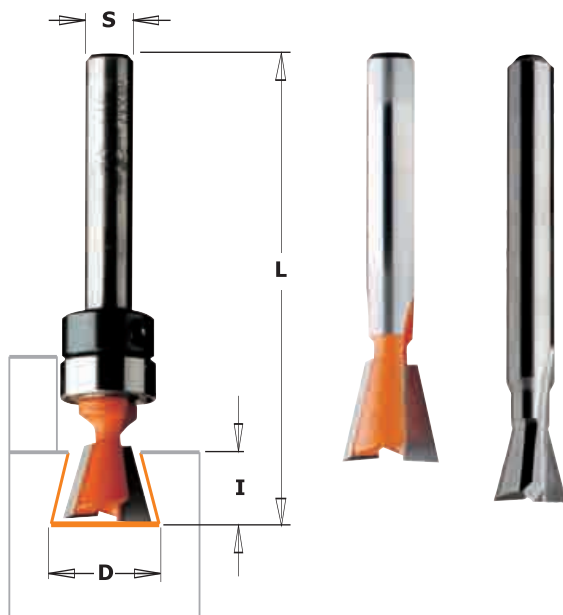
ORDER NO. 1/2" shank	D		I	T ₁	L
	inches	mm	inches	inches	inches
855.501.11	1-3/4	44.4	1-1/4	19/32 - 1-3/16	2-49/64

Dovetail Bits

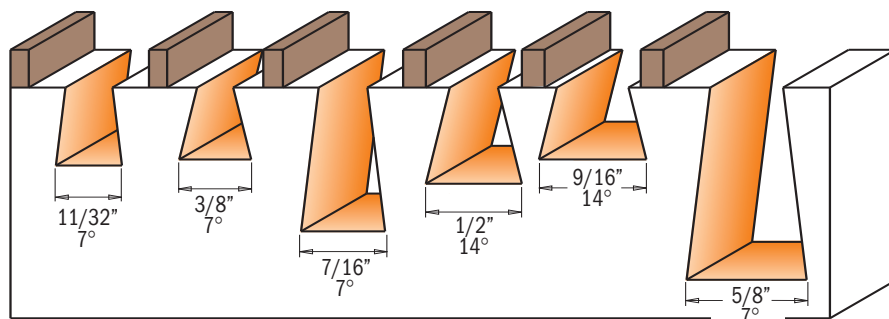
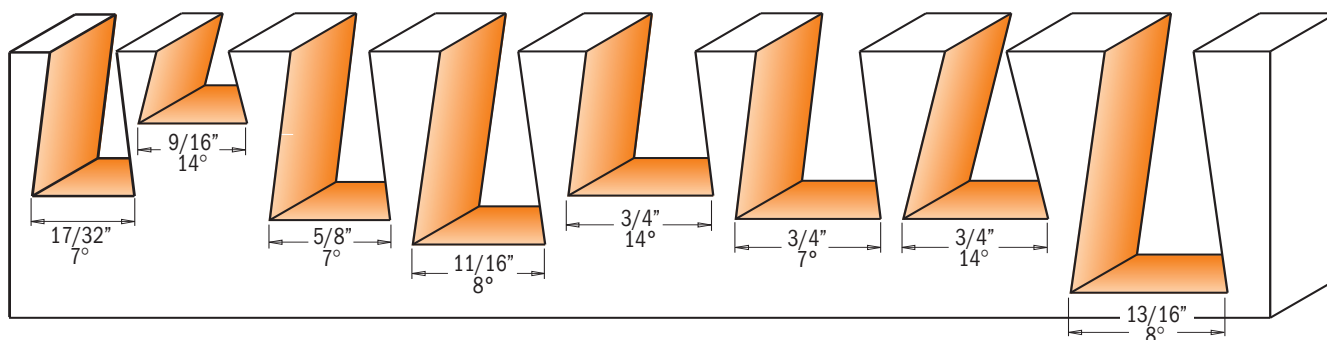
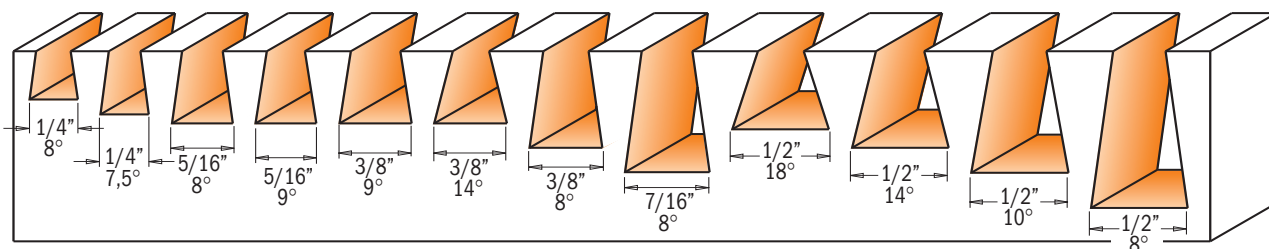
818 - 818B



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 specifically to fit on jigs and routers that require a longer shank length.

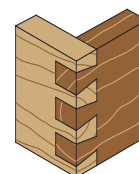


Drawings are 1:1 scale

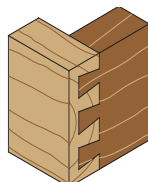


Here are a few of the beautiful dovetail joints you can produce using CMT bits

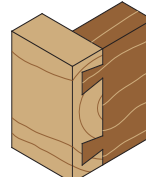
Through dovetail



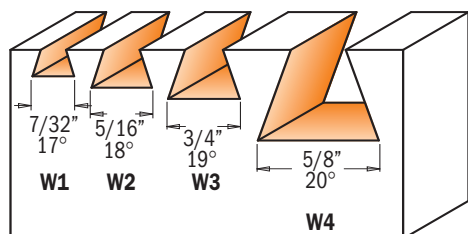
Half-blind dovetail



Variably-spaced dovetail



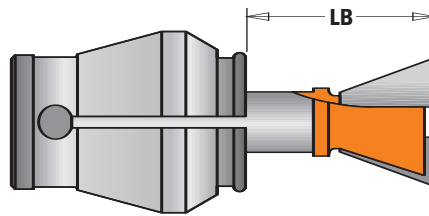
Sliding dovetail



Dovetail Bits

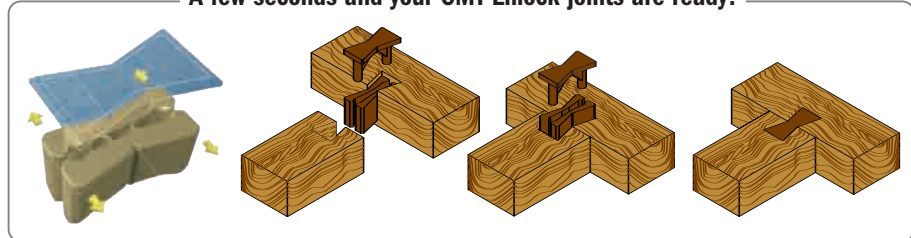
818 - 818B

Manufacturer/Model	ORDER NO.
Hoffman W1 LB=16mm	818.053.11
Hoffman W2 LB=17,5mm	818.079.11
Hoffman W3 LB=19mm	818.093.11



Manufacturer/Model	ORDER NO.
CMT-Enlock10	818.098.11B
CMT-Enlock15	818.128.11B

A few seconds and your CMT-Enlock joints are ready!



ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	D		I inches	A	L inches	Application	Spare parts		
		inches	mm					Bearing	Stop collar	Hex key
• 818.065.11		1/4	6.35	1/4	8°	2	For Leigh Jig			
• 818.064.11	• 818.564.11	1/4	6.35	5/16	7.5°	2-1/2	For Incra Jig			
• 818.081.11		5/16	8	3/8	8°	2-1/8	For Leigh Jig			
• 818.080.11		5/16	8	3/8	9°	2-1/16	For Incra Jig			
	• 818.580.11	5/16	8	3/8	9°	2-1/2	For Incra Jig			
• 818.096.11		3/8	9.5	3/8	9°	2-1/16	For Incra Jig			
	• 818.596.11	3/8	9.5	3/8	9°	2-1/2	For Incra Jig			
• 818.098.11		3/8	9.5	3/8	14°	2-3/8				
• 818.097.11		3/8	9.5	1/2	8°	2-3/8	For Leigh Jig			
818.111.11		7/16	11.1	5/8	8°	2-3/8	For Leigh Jig			
818.132.11		1/2	12.7	13/32	18°	2-3/8	For Leigh Jig			
818.128.11		1/2	12.7	1/2	14°	2-1/16	For Incra Jig			
	818.628.11	1/2	12.7	1/2	14°	2-1/2	For Incra Jig			
818.130.11		1/2	12.7	1/2	14°	2-7/16	For Leigh Jig			
818.133.11		1/2	12.7	5/8	10°	2-3/8	For Leigh Jig			
818.129.11		1/2	12.7	13/16	8°	2-3/4	For Leigh Jig			
	818.635.11	17/32	13.5	3/4	7°	2-27/64	For Porter Cable			
818.142.11		9/16	14.2	3/8	14°	2				
818.158.11		5/8	15.87	7/8	7°	2-3/8	For Incra Jig			
	818.658.11	5/8	15.87	7/8	7°	2-5/8	For Incra Jig			
	818.674.11	11/16	17.4	1	8°	3-1/16	For Leigh Jig			
	818.691.11	3/4	19	3/4	14°	3-1/16				
818.190.11		3/4	19	7/8	7°	2-3/8	For Incra Jig			
	818.690.11	3/4	19	7/8	7°	2-5/8	For Incra Jig			
818.191.11		3/4	19	7/8	14°	2-3/8				
	818.706.11	13/16	20.6	1-1/4	8°	3-5/16	For Leigh Jig			
with top bearing guide										
818.087.11B		11/32	8.73	13/32	7°	1-1/4		791.009.00	541.001.00	991.056.00
818.098.11B		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		7/16	11.1	3/4	7°	2-5/8		791.009.00	541.001.00	991.056.00
818.128.11B		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		9/16	14.2	3/8	14°	2		791.010.00	541.001.00	991.056.00
818.159.11B		5/8	15.87	1	7°	2-11/16		791.021.00	541.006.00	991.056.00
For Hoffman										
818.053.11		7/32	5.5	5/32	17°	45/64	For Hoffman W1			
818.079.11		5/16	8	15/64	19°	45/64	For Hoffman W2			
818.093.11		3/8	9.5	5/32	19°	45/64	For Hoffman W3			

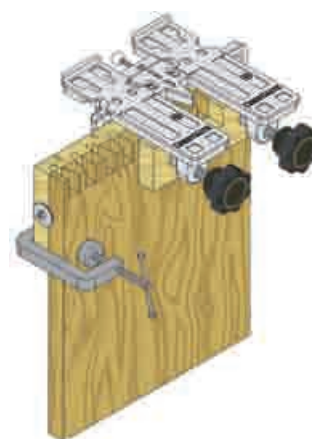
Spare parts 990.005.00 Screw TSEI M3x3mm

• Solid Carbide

Chestmate™ Router Bits Set

CMT ORANGE TOOLS®
CARBIDE TIPPED **Z2** **SOLID CARBIDE**


The new CMT router bit set designed exclusively for the Prazi Chestmate™ dovetail jig. CMT is the recommended partner for the Chestmate™ jig and will provide the best finish for through dovetails.



818.501.11 3 piece Chestmate™ Router Bits Set 1/2" shank

Set contains	ORDER NO. 1/2" shank	D inches mm	I inches	A	L inches
Straight bit	• 811.581.11	5/16 8	1		2-3/4
Dovetail bit	818.628.11	1/2 12.7	1/2	14°	2-1/2
Dovetail bit	818.691.11	3/4 19	3/4	14°	3-1/16

• Solid Carbide

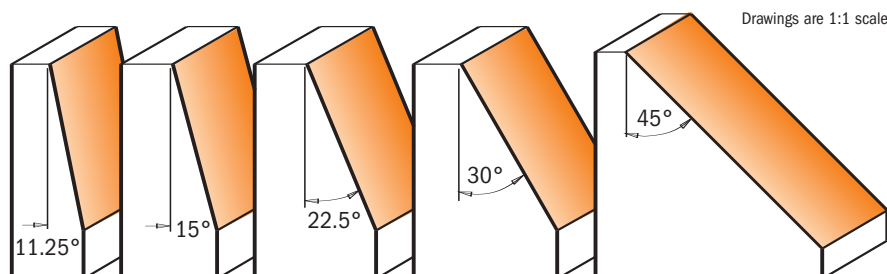
Chamfer Set


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

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 - 11.25°, 15°, 22.5°, 30° and 45°. No polygon project is too difficult. Available with 1/2" shank.

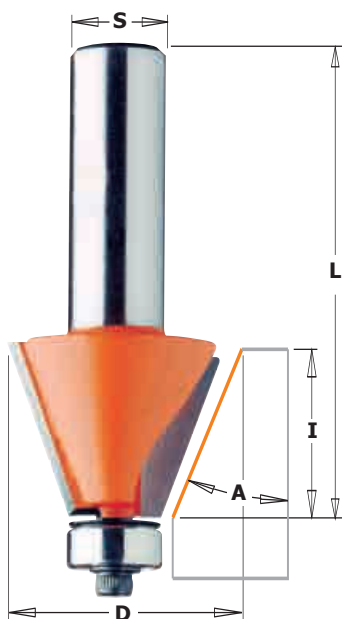
836.501.11 5 piece Chamfer Bit Set 1/2" shank

Set contains	ORDER NO. 1/2" shank	D inches mm	A
Chamfer bit	857.504.11	7/8 22.2	11.25°
Chamfer bit	857.503.11	1 25.4	15°
Chamfer bit	857.502.11	1-1/4 31.7	22.5°
Chamfer bit	857.501.11	1-1/2 38.1	30°
Chamfer bit	836.920.11	1-3/4 19.05	45°



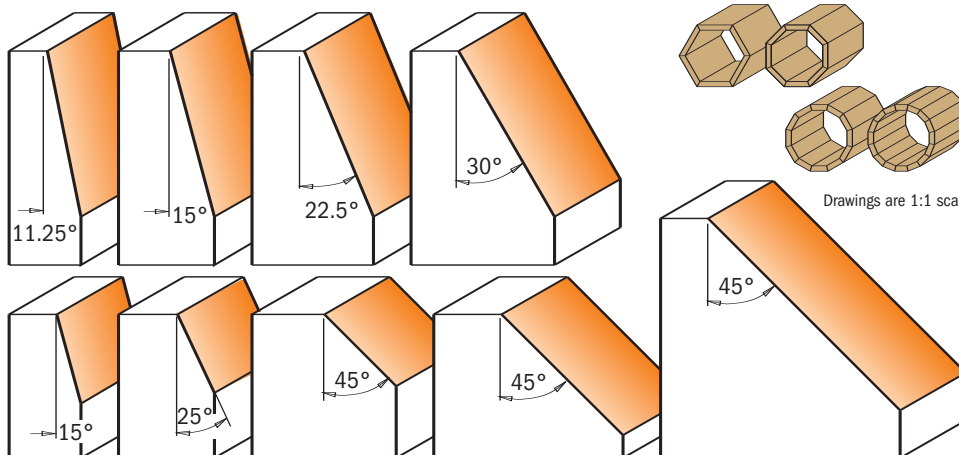
Drawings are 1:1 scale

Chamfer Bits



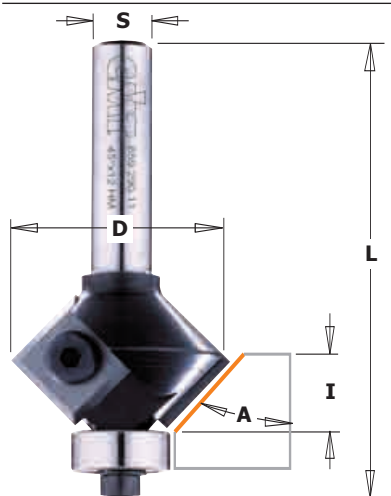
836 - 857

CMT Chamfer Bits cut clean, accurate bevels and chamfers that are 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.



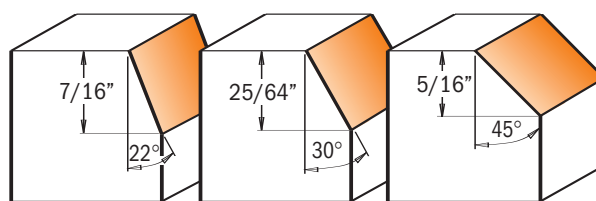
ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	D		A	I	L	Spare parts			
		inches	mm				Shield	Bearing	Screw TCEI	Hex key
836.130.11		3/4	19.05	15°	7/16	2-11/64	990.423.00	791.003.00	990.058.00	991.057.00
836.190.11		7/8	22.2	25°	13/32	2-11/64	990.423.00	791.003.00	990.058.00	991.057.00
836.280.11		1-1/4	31.7	45°	3/8	2-3/32	990.423.00	791.003.00	990.058.00	991.057.00
836.420.11		1-3/4	44.5	45°	5/8	2-3/8	990.423.00	791.003.00	990.058.00	991.057.00
	836.920.11	1-3/4	44.5	45°	5/8	2-5/8	990.423.00	791.003.00	990.058.00	991.057.00
	836.950.11	2-9/16	65	45°	1	3-1/32	990.423.00	791.003.00	990.058.00	991.057.00
	857.504.11	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	1	25.4	15°	7/8	2-13/16	990.423.00	791.003.00	990.058.00	991.057.00
	857.502.11	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	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 4 sided sharpened and gives three extra new edges. Guided bevel and chamfer trim bits type 659 are equipped with the ball bearing guides. For specialist applications requiring economy of replaceable tips. For precision work on laminates, MDF or for quick rounded edges in hard wood.

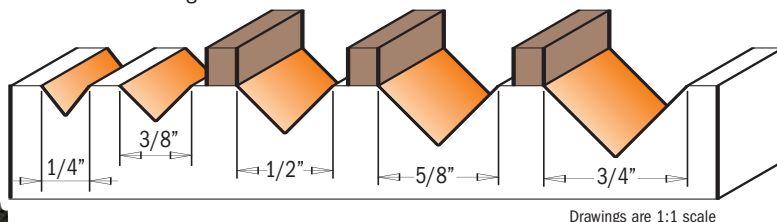
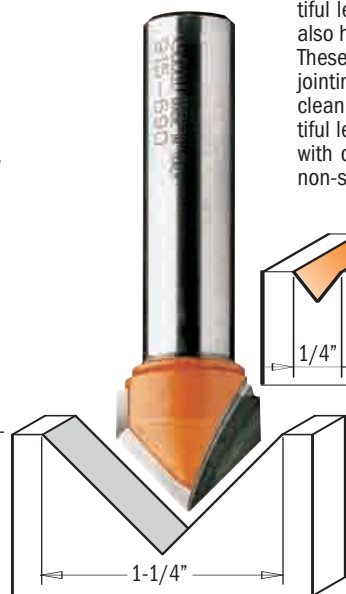


ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	D		A	I	L	Spare parts			
		inches	mm				Knives	Screw Torx	Bearing	Shield
659.023.11		63/64	25	22°	7/16	2-33/64	790.120.00	990.075.00	791.006.00	990.400.00
659.031.11		1-7/64	28	30°	25/64	2-19/32	790.120.00	990.075.00	791.006.00	990.400.00
659.046.11	659.646.11	1-9/64	29	45°	5/16	2-33/64	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

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

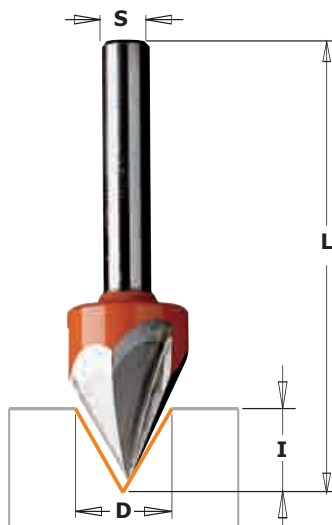
- **Solid Carbide**

ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	D		I	A	L
		inches	mm	inches		inches
•815.064.11		1/4	6.35	5/16	90°	1-1/2
815.095.11		3/8	9.5	1/2	90°	1-49/64
815.127.11		1/2	12.7	1/2	90°	1-49/64
	815.660.11	5/8	15.87	1/2	90°	2-1/2
	815.690.11	3/4	19	5/8	90°	2-1/2
	815.817.11	1-1/4	31.7	5/8	90°	2-1/2
	815.880.11	1-1/2	38	3/4	90°	2-3/4
with top bearing guide						
815.127.11B		1/2	12.7	1/2	90°	1-49/64
	815.690.11B	3/4	19	5/8	90°	2-1/2

Spare parts

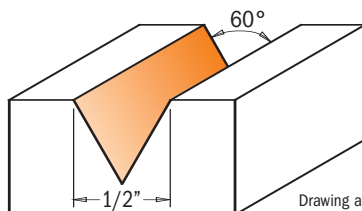
[illegible]

Laser Point Bits (60°) Z=3

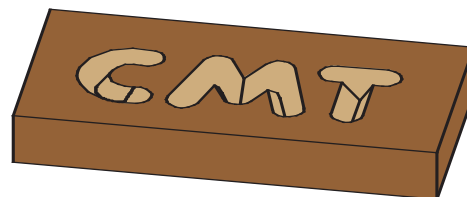


858

This new bit lets you make delicate grooves and incisions with laser precision. Make one of a kind effects with single run 30° bevel edges. Three super sharp cutting edges and this perfectly balanced bit allow you to work with superior accuracy with no risk of burning. Raise the bit and produce a delicate fine point incision, or work the whole 12,7mm diameter to render bold highlighted lettering. Super strong steel shank and micrograin carbide cutting edges guarantee long lasting performance.



Drawing are 1:1 scale



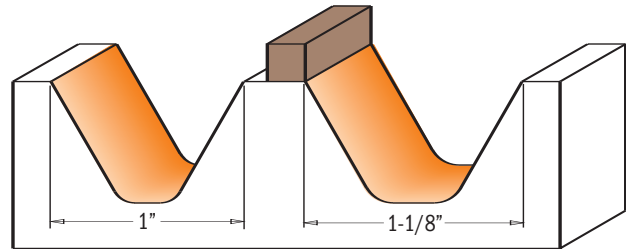
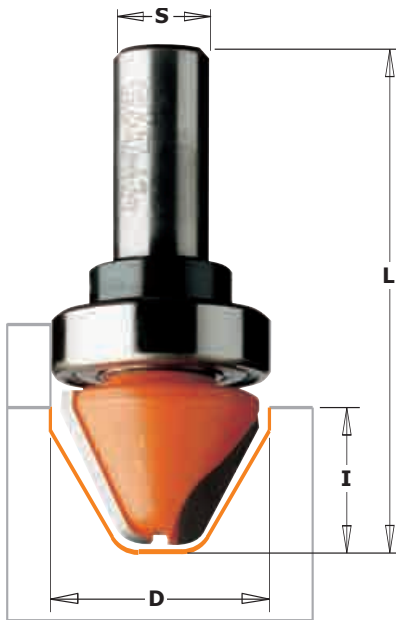
ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	D		I	A	L
		inches	mm	inches		inches
858.001.11		1/2	12.7	7/16	60°	2-17/64
	858.501.11	1/2	12.7	7/16	60°	2-3/8

60° Lettering Bit

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

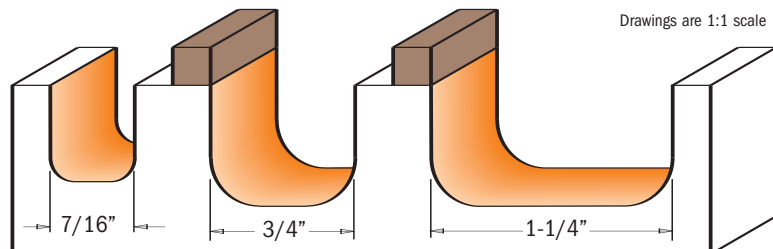
ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	D		I	A	L	Spare parts		
		inches	mm				Bearing	Stop collar	Hex key
849.001.11		1	25.4	3/4	60°	2			
	849.501.11	1-1/8	28.5	3/4	60°	2-1/2			
<i>with top bearing guide</i>									
	849.501.11B	1-1/8	28.5	3/4	60°	2-1/2	791.027.00	541.002.00	990.005.00

Bowl and Tray Bits

851 - 851B

We call these tools "Bowl and Tray Bits," but you can get lots of work 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.

Or use them to rout beautiful raised sign lettering, unique boxes, or lots of other specialty or craft items. The round corner of the bit shapes the inner radius while the sides and bottom create the smooth flat surfaces. For best results on jobs where accuracy is a priority we recommend using our top bearing bowl and tray bits.



Drawings are 1:1 scale

ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	D		I	R	L	Spare parts			
		inches	mm				Bearing	Stop collar	Screw STEI	Hex key
851.001.11		7/16	11.1	1/2	1/8	1-51/64				
851.002.11		3/4	19	5/8	1/4	2-9/64				
	851.501.11	3/4	19	5/8	1/4	2-25/64				
	851.502.11	1-1/4	31.7	5/8	1/4	2-25/64				
<i>with top bearing guide</i>										
851.002.11B		3/4	19	5/8	1/4	2-9/64	791.004.00	541.001.00	990.005.00	991.056.00
	851.501.11B	3/4	19	5/8	1/4	2-25/64	791.011.00	541.002.00	990.005.00	991.056.00
	851.502.11B	1-1/4	31.7	5/8	1/4	2-25/64	791.015.00	541.002.00	990.005.00	

Ball End Bits

new

CMT ORANGE TOOLS®



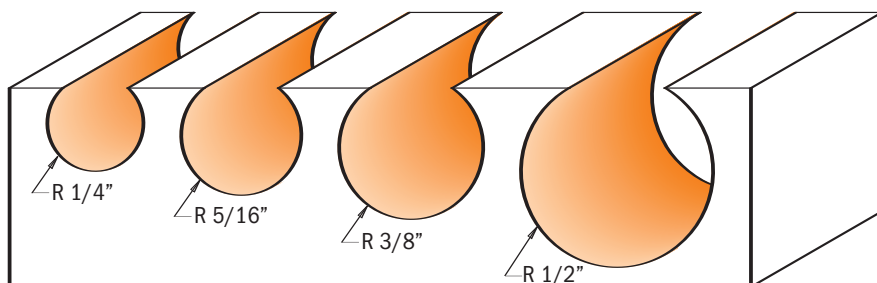
868

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.

CARBIDE
TIPPED

Z2

RH



Drawings are 1:1 scale

ORDER NO. 1/2" shank	R		D	I	L
	inches	mm	inches	inches	inches
868.627.11	1/4	6.35	1/2	7/16	2-1/4
868.658.11	5/16	7.94	5/8	9/16	2-3/8
868.690.11	3/8	9.52	3/4	11/16	2-1/2
868.754.11	1/2	12.7	1	59/64	2-3/4

Round Nose Set



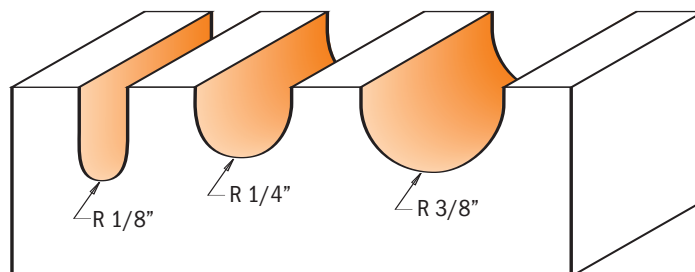
CARBIDE
TIPPED

SOLID
CARBIDE

Z2

RH

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.



Drawings are 1:1 scale

814.001.11 3 piece Round Nose Set 1/4" shank

Set contains	ORDER NO. 1/4" shank	R		I
		inches	mm	inches
Round nose bit	814.064.11	1/8	3.2	1/2
Round nose bit	814.127.11	1/4	6.35	3/8
Round nose bit	814.190.11	3/8	9.5	29/64

814.501.11 3 piece Round Nose Set 1/2" shank

Set contains	ORDER NO. 1/2" shank	R		I
		inches	mm	inches
Round nose bit	814.564.11	1/8	3.2	5/8
Round nose bit	814.627.11	1/4	6.35	1-1/4
Round nose bit	814.690.11	3/8	9.5	1-1/4

Round Nose Bits

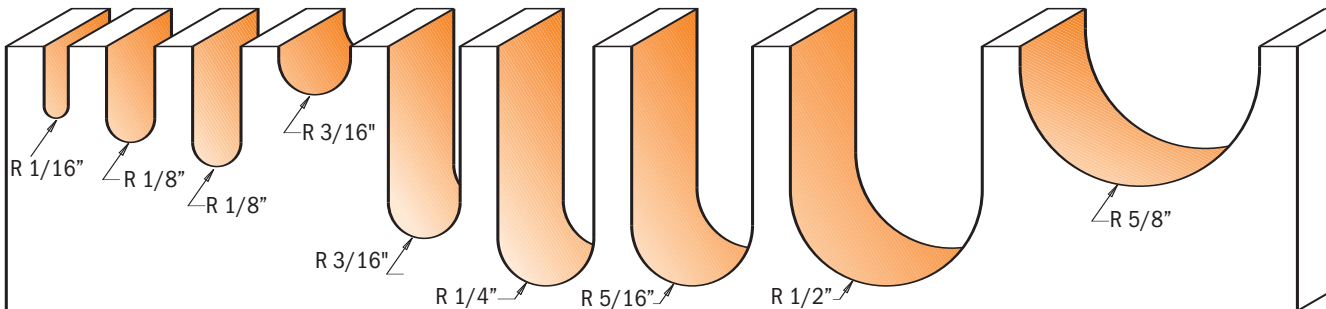
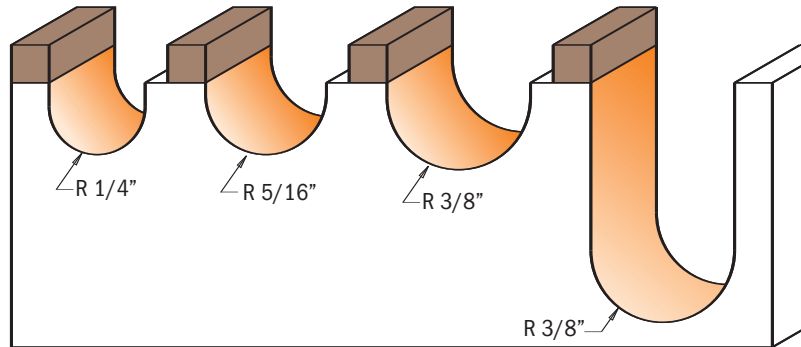
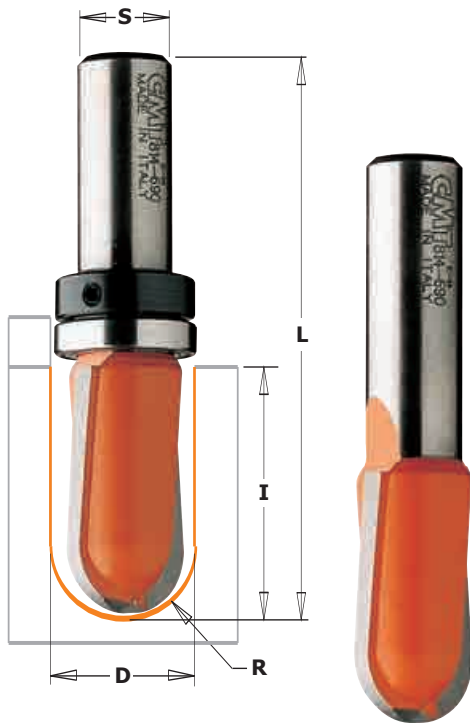


814 - 814B

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

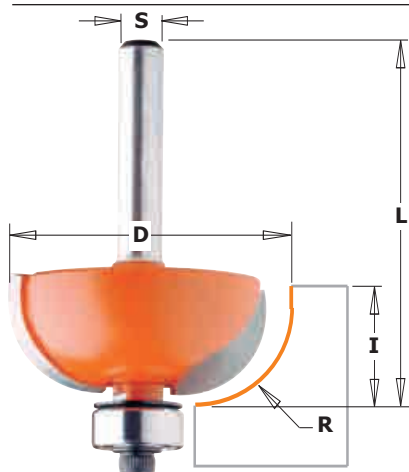
ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	R		D	I	L	Spare parts			
		inches	mm	inches	inches	inches	Bearing	Stop collar	Screw STEI	Hex key
814.032.11		1/16	1.6	1/8	3/8	2				
814.064.11		1/8	3.2	1/4	1/2	2				
	814.564.11	1/8	3.2	1/4	5/8	2-1/2				
814.095.11		3/16	4.75	3/8	1/4	2				
	814.595.11	3/16	4.75	3/8	1	2-41/64				
814.127.11		1/4	6.35	1/2	3/8	2				
	814.627.11	1/4	6.35	1/2	1-1/4	2-7/8				
814.160.11		5/16	7.9	5/8	3/8	2				
	814.660.11	5/16	7.9	5/8	1-1/4	2-7/8				
814.190.11		3/8	9.5	3/4	29/64	2				
	814.690.11	3/8	9.5	3/4	1-1/4	2-7/8				
	814.754.11	1/2	12.7	1	1-1/4	2-7/8				
	814.817.11	5/8	15.87	1-1/4	3/4	2-21/64				
with top bearing guide										
814.127.11B		1/4	6.35	1/2	3/8	2	791.010.00	541.001.00	990.005.00	991.056.00
814.160.11B		5/16	7.9	5/8	3/8	2	791.009.00	541.001.00	990.005.00	991.056.00
814.190.11B		3/8	9.52	3/4	29/64	2	791.004.00	541.001.00	990.005.00	991.056.00
	814.690.11B	3/8	9.52	3/4	1-1/4	2	791.011.00	541.002.00	990.005.00	991.056.00

Cove Bits

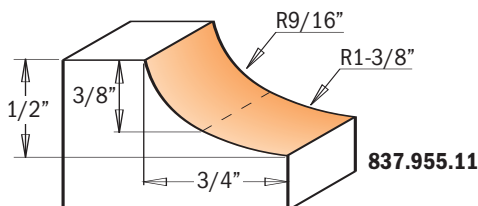
CMT ORANGE TOOLS®
CARBIDE
TIPPED

Z2

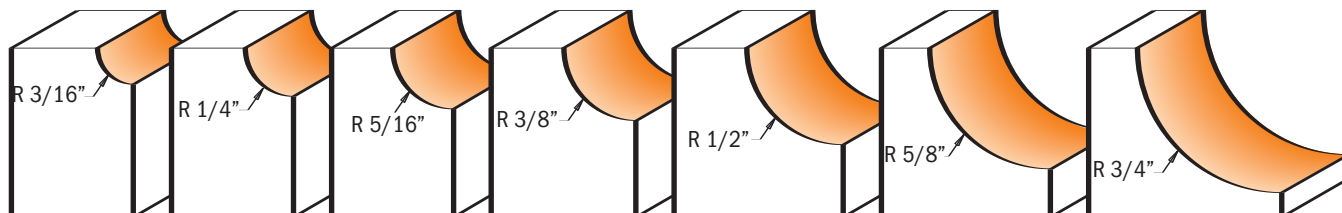
RH


837

Transform furniture, doors, and drawer fronts from simple to elegant by giving them a final touch with a CMT Cove Bit. Put these bits together with a CMT Roundover Bit and build perfectly fitting rule joints that are ideal for drop leaf table tops.



Drawings are 1:1 scale



Spare parts

ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	R		D	I	L	Shield	Bearing	Screw TCEI	Hex key
inches	mm	inches	mm	inches	inches	inches				
837.190.11		3/16	4.75	7/8	1/2	2-11/64	990.423.00	791.003.00	990.058.00	991.057.00
	837.690.11	3/16	4.75	7/8	1/2	2-27/64	990.423.00	791.003.00	990.058.00	991.057.00
837.222.11		1/4	6.35	1	1/2	2-11/64	990.423.00	791.003.00	990.058.00	991.057.00
	837.722.11	1/4	6.35	1	1/2	2-27/64	990.423.00	791.003.00	990.058.00	991.057.00
837.254.11		5/16	8	1-1/8	1/2	2-9/64	990.423.00	791.003.00	990.058.00	991.057.00
	837.754.11	5/16	8	1-1/8	1/2	2-25/64	990.423.00	791.003.00	990.058.00	991.057.00
837.286.11		3/8	9.52	1-1/4	1/2	2-9/64	990.423.00	791.003.00	990.058.00	991.057.00
	837.786.11	3/8	9.52	1-1/4	1/2	2-25/64	990.423.00	791.003.00	990.058.00	991.057.00
837.350.11		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	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	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	3/4	19	2	7/8	2-51/64	990.423.00	791.003.00	990.058.00	991.057.00
	837.955.11			2	1/2	2-27/64	990.423.00	791.003.00	990.058.00	991.057.00

Cove Bit Set

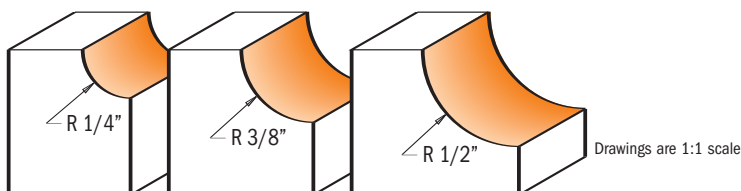
CARBIDE
TIPPED

Z2

RH



Each of these sets include carbide Cove Bits in three of the most commonly-used sizes. You'll get 1/4", 3/8" and 1/2" radius bits in your choice of 1/4" or 1/2" shank.



Drawings are 1:1 scale

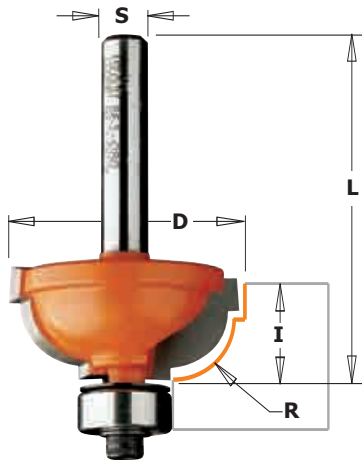
837.001.11 3 piece Cove Bit Set 1/4" shank

Set contains	ORDER NO. 1/4" shank	R		I
		inches	mm	inches
Cove bit	837.222.11	1/4	6.35	1/2
Cove bit	837.286.11	3/8	9.5	1/2
Cove bit	837.350.11	1/2	12.7	5/8

837.501.11 3 piece Cove Bit Set 1/2" shank

Set contains	ORDER NO. 1/2" shank	R		I
		inches	mm	inches
Cove bit	837.722.11	1/4	6.35	1/2
Cove bit	837.786.11	3/8	9.5	1/2
Cove bit	837.850.11	1/2	12.7	5/8

Cavetto Edge Mold Bits

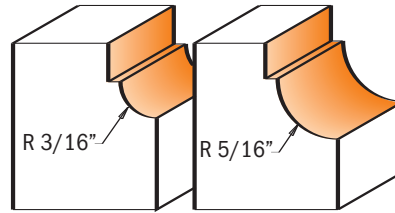


863 - 864

The Cavetto Bit cuts a beautiful, traditional profile, or use just a portion of the bit to cut a more simple, clean cove edge. Adds a special touch to furniture pieces.

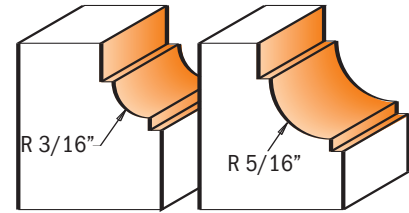


Drawings are 1:1 scale



863.048.11
863.548.11

863.080.11
863.580.11

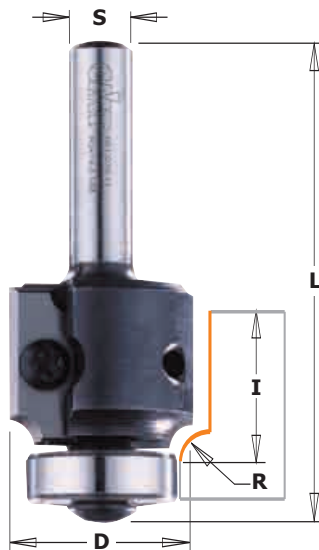


864.048.11
864.548.11

864.080.11
864.580.11

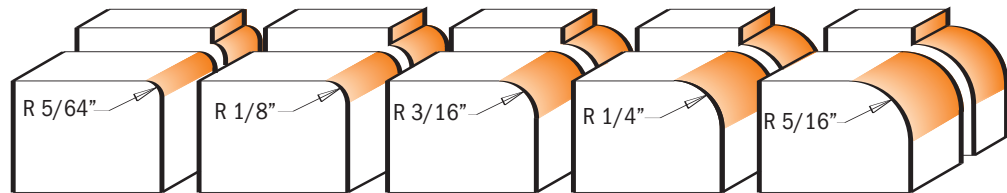
ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	R		D	I	L	Spare parts			
		inches	mm				Shield	Bearing	Screw TCEI	Hex key
863.048.11		3/16	4.76	1	29/64	2-5/32	990.423.00	791.003.00	990.058.00	991.057.00
	863.548.11	3/16	4.76	1	29/64	2-13/32	990.423.00	791.003.00	990.058.00	991.057.00
863.080.11		5/16	8	1-1/4	9/16	2-1/4	990.423.00	791.003.00	990.058.00	991.057.00
	863.580.11	5/16	8	1-1/4	9/16	2-41/64	990.423.00	791.003.00	990.058.00	991.057.00
864.048.11		3/16	4.76	1	29/64	2-3/32	990.422.00	791.002.00	990.058.00	991.057.00
	864.548.11	3/16	4.76	1	29/64	2-21/64	990.422.00	791.002.00	990.058.00	991.057.00
864.080.11		5/16	8	1-1/4	9/16	2-11/64	990.422.00	791.002.00	990.058.00	991.057.00
	864.580.11	5/16	8	1-1/4	9/16	2-9/16	990.422.00	791.002.00	990.058.00	991.057.00

Insert Carbide Roundover Bits



661

Best for use with portable routers, our double-edged roundover bits are great for any wood or wood product. Use the 1/16" radius as a durable, efficient laminate trimmer too!



Drawings are 1:1 scale

ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	R		D	I	L	Spare parts			
		inches	mm				Knives	Screw Torx	Key Torx	Bearing
661.021.11		5/64	2	57/64	49/64	2-33/64	790.020.00	990.076.00	991.061.00	791.007.00
661.031.11		1/8	3	31/32	49/64	2-33/64	790.030.00	990.076.00	991.061.00	791.007.00
661.051.11		3/16	5	1-1/8	49/64	2-33/64	790.050.00	990.076.00	991.061.00	791.007.00
661.064.11		1/4	6.35	1-1/8	15/16	2-41/64	790.064.00	990.076.00	991.061.00	791.006.00
	661.581.11	5/16	8	1-1/4	15/16	3-1/32	790.080.00	990.076.00	991.061.00	791.006.00

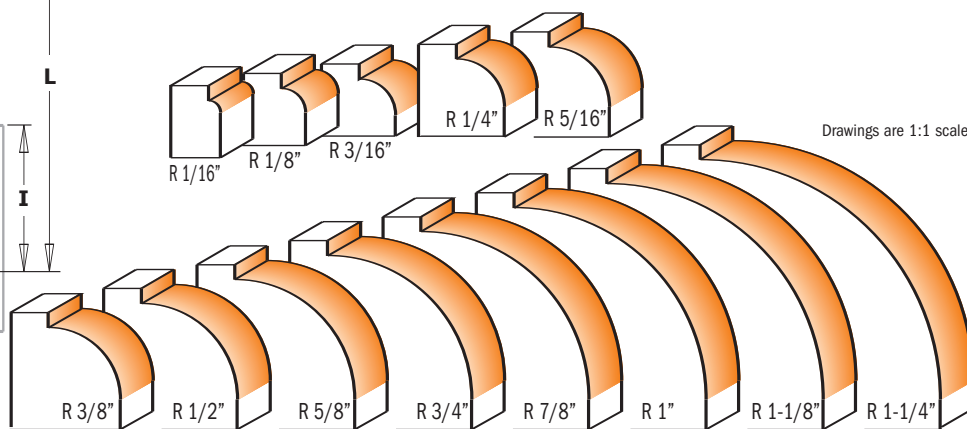
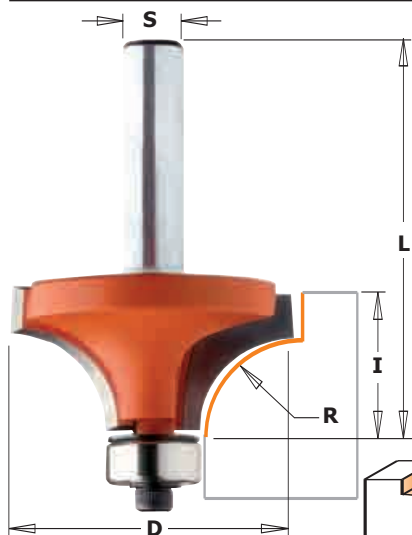
Spare parts
990.400.00 Washer 3.2/7mm fro screw M4
990.051.00 Screw TCEI M3x6mm for bearing Ø16mm
991.062.00 2.5mm hex key

990.410.00 Washer 4.2/9mm fro screw M4
990.052.00 Screw TCEI M4x6mm for bearing
991.067.00 3mm hex key

Roundover Bits

838

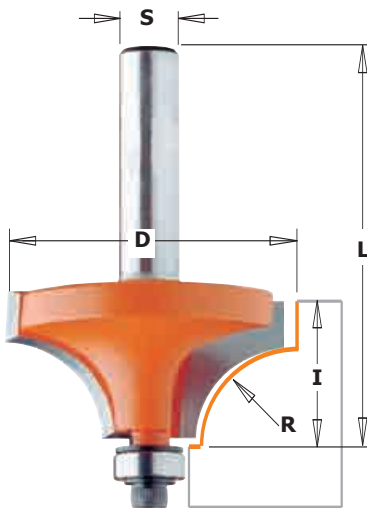
It's hard to find a profile bit that gets more work than a Roundover Bit. This shape is great for simple tasks like easing sharp corners, or for more intricate jobs like drop leaf tables (when used in conjunction with our Cove Bits of the same radius).



ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	R		D	I	L	Spare parts			
		inches	mm	inches	inches	inches	Shield	Bearing	Screw TCEI	Hex key
838.160.11		1/16	1.6	5/8	1/2	2-5/32	990.423.00	791.003.00	990.058.00	991.057.00
838.190.11		1/8	3.2	3/4	1/2	2-5/32	990.423.00	791.003.00	990.058.00	991.057.00
838.222.11		3/16	4.75	7/8	1/2	2-5/32	990.423.00	791.003.00	990.058.00	991.057.00
838.254.11		1/4	6.35	1	1/2	2-5/32	990.423.00	791.003.00	990.058.00	991.057.00
	838.754.11	1/4	6.35	1	1/2	2-25/64	990.423.00	791.003.00	990.058.00	991.057.00
838.285.11		5/16	7.95	1-1/8	1/2	2-5/32	990.423.00	791.003.00	990.058.00	991.057.00
838.317.11		3/8	9.52	1-1/4	9/16	2-13/64	990.423.00	791.003.00	990.058.00	991.057.00
	838.817.11	3/8	9.52	1-1/4	9/16	2-7/16	990.423.00	791.003.00	990.058.00	991.057.00
838.380.11		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	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		5/8	15.9	1-3/4	7/8	2-17/32	990.423.00	791.003.00	990.058.00	991.057.00
	838.945.11	5/8	15.9	1-3/4	7/8	2-27/32	990.423.00	791.003.00	990.058.00	991.057.00
	838.990.11	3/4	19	2	1	2-57/64	990.423.00	791.003.00	990.058.00	991.057.00
	838.991.11	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*	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*	1-1/8	28.6	3	1-1/2	3-33/64	541.550.00	791.004.00	990.058.00	991.057.00
	838.994.11*	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*	1-1/2	38.1	3-1/2	1-3/4	3-21/32	990.423.00	791.003.00	990.058.00	991.057.00

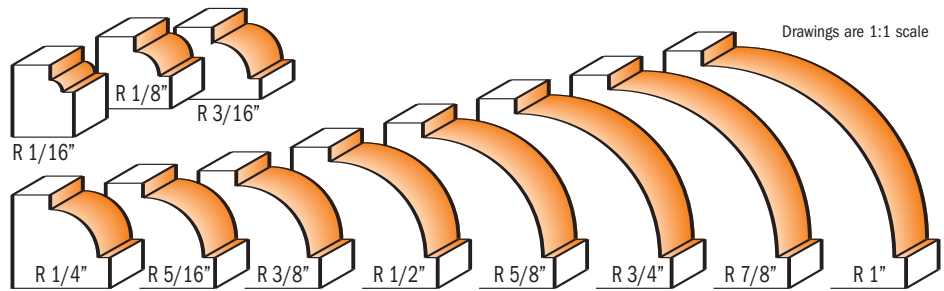
* Use on router tables only

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

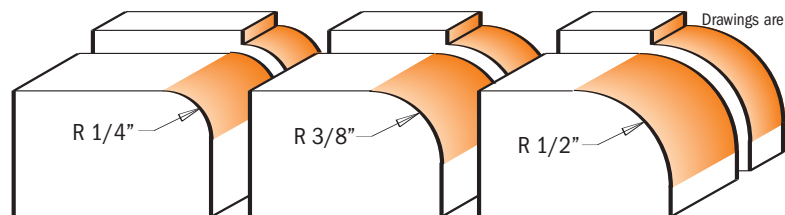
ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	R		D		I		L		Spare parts			
		inches	mm	inches	mm	inches	mm	inches	mm	Shield	Bearing	Screw TCEI	Hex key
839.160.11		1/16	1.6	5/8	15.87	1/2	12.7	2-5/64	5.08	990.422.00	791.002.00	990.058.00	991.057.00
839.190.11		1/8	3.2	3/4	19.05	1/2	12.7	2-5/64	5.08	990.422.00	791.002.00	990.058.00	991.057.00
839.222.11		3/16	4.75	7/8	22.23	1/2	12.7	2-5/64	5.08	990.422.00	791.002.00	990.058.00	991.057.00
839.254.11		1/4	6.35	1	25.4	1/2	12.7	2-5/64	5.08	990.422.00	791.002.00	990.058.00	991.057.00
	839.754.11	1/4	6.35	1	25.4	1/2	12.7	2-21/64	5.31	990.422.00	791.002.00	990.058.00	991.057.00
839.285.11		5/16	7.95	1-1/8	31.75	1/2	12.7	2-5/64	5.08	990.422.00	791.002.00	990.058.00	991.057.00
839.317.11		3/8	9.52	1-1/4	31.75	9/16	14.29	2-1/8	6.35	990.422.00	791.002.00	990.058.00	991.057.00
	839.817.11	3/8	9.52	1-1/4	31.75	9/16	14.29	2-3/8	6.35	990.422.00	791.002.00	990.058.00	991.057.00
839.380.11		1/2	12.7	1-1/2	38.1	3/4	19.05	2-21/64	5.31	990.422.00	791.002.00	990.058.00	991.057.00
	839.880.11	1/2	12.7	1-1/2	38.1	3/4	19.05	2-37/64	5.62	990.422.00	791.002.00	990.058.00	991.057.00
839.445.11		5/8	15.87	1-3/4	41.27	7/8	22.23	2-29/64	5.54	990.422.00	791.002.00	990.058.00	991.057.00
	839.945.11	5/8	15.87	1-3/4	41.27	7/8	22.23	2-49/64	5.94	990.422.00	791.002.00	990.058.00	991.057.00
	839.990.11	3/4	19	2	50.8	1	25.4	2-53/64	6.25	990.422.00	791.002.00	990.058.00	991.057.00
	839.991.11	7/8	22.2	2-1/4	60.33	1-1/8	31.75	2-61/64	6.56	990.422.00	791.002.00	990.058.00	991.057.00
	839.992.11*	1	25.4	2-1/2	63.5	1-5/16	38.1	3-9/64	6.88	990.422.00	791.002.00	990.058.00	991.057.00

*Use only on router table

Roundover Set



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

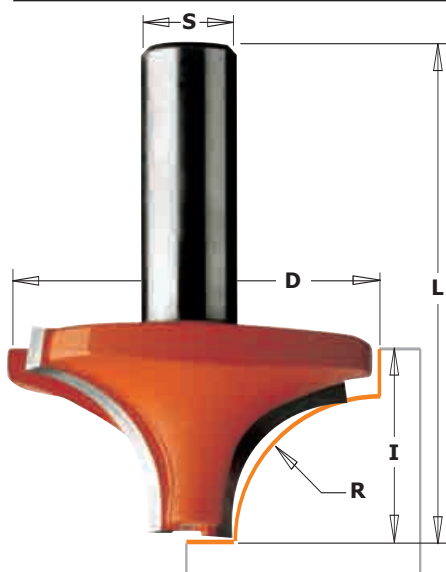
838.001.11 3 piece Roundover Set 1/4" shank

Set contains	ORDER NO. 1/4" shank	inches R	mm	inches I
Roundover bit	838.254.11	1/4	6.35	1/2
Roundover bit	838.317.11	3/8	9.5	9/16
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	inches I
Roundover bit	838.754.11	1/4	6.35	1/2
Roundover bit	838.817.11	3/8	9.5	9/16
Roundover bit	838.880.11	1/2	12.7	3/4

Ovolo Bits

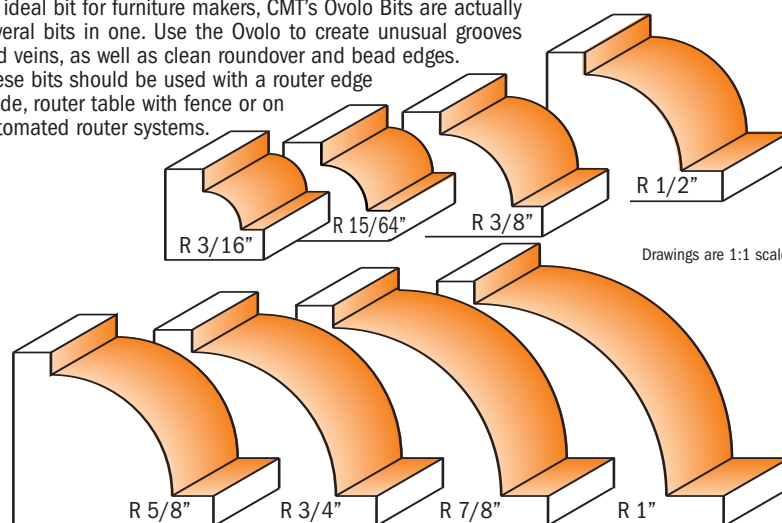
CMT ORANGE TOOLS®

827

An ideal bit for furniture makers, CMT's Ovolo Bits are actually several bits in one. Use the Ovolo to create unusual grooves and veins, 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.

CARBIDE
TIPPED

Z2

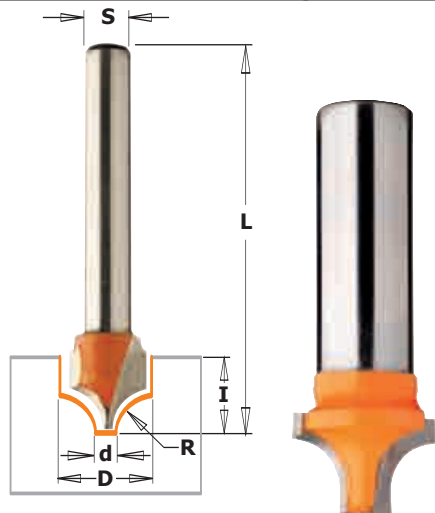
RH



Drawings are 1:1 scale

ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	R		D	I	L
		inches	mm	inches	inches	inches
827.050.11		3/16	5	13/16	15/32	1-47/64
827.060.11		15/64	6	29/32	15/32	1-47/64
	827.560.11	15/64	6	29/32	15/32	1-63/64
827.095.11		3/8	9.52	1-1/4	9/16	1-13/16
	827.595.11	3/8	9.52	1-1/4	9/16	2-3/64
827.127.11		1/2	12.7	1-1/2	3/4	2
	827.627.11	1/2	12.7	1-1/2	3/4	2-1/4
	827.660.11	5/8	15.9	1-3/4	7/8	2-3/8
	827.690.11	3/4	19	2	1	2-1/2
	827.722.11	7/8	22.2	2-1/4	1-1/8	2-5/8
	827.754.11	1	25.4	2-1/2	1-5/16	2-13/16

Decorative Beading Bits


865

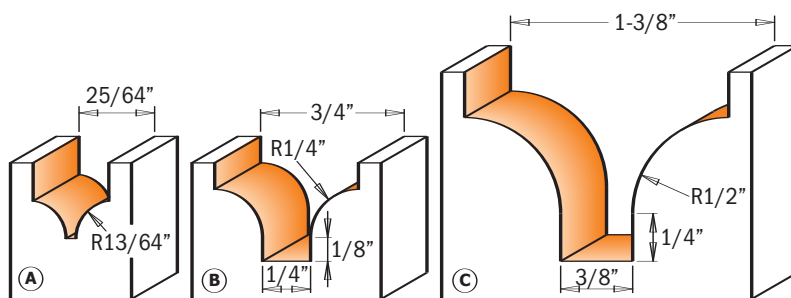
Enhance your doors and drawer fronts and leave your visitors amazed! This ogge bit cutting edges are carbide-tipped for effective, smooth and eye-catching work.

Make subtle decorative edges with this bit! Perfect for enhancing doors and drawer fronts, it will deliver smooth and flawless results. Carbide-tipped to ensure a clean, sharp and precise cut.

CARBIDE
TIPPED

Z2

RH



Drawings are 1:1 scale

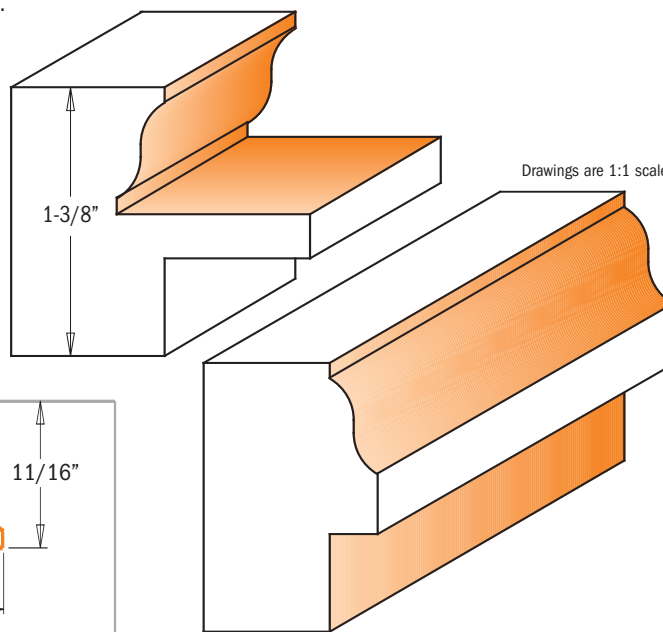
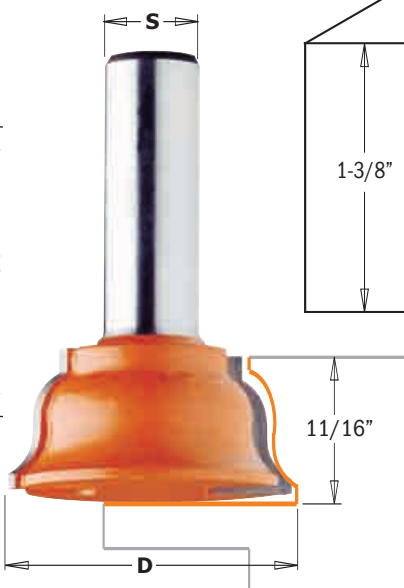
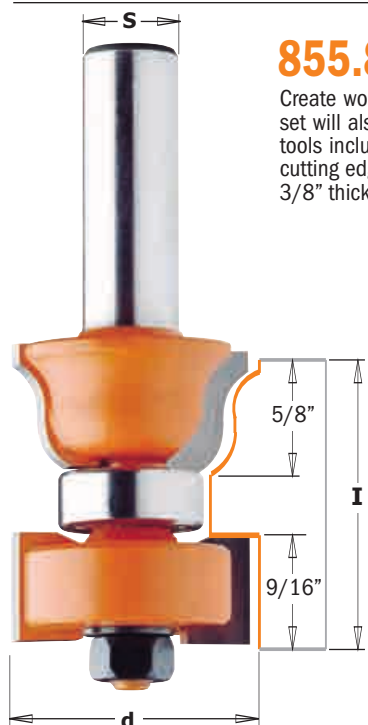
ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	D		d	R	I	L	Profile
		inches	mm	inches	inches	inches	inches	
865.402.11		25/64	10	1/16	13/64	25/64	1-31/32	A
NEW	865.903.11	3/4	19.05	1/4	1/4	33/64	2	B
NEW	865.904.11	1-3/8	34.9	3/8	1/2	63/64	2-37/64	C

Window Sash Set



855.801

Create wooden windows that are as beautiful as they are functional with your CMT Window Sash Set. As a bonus, this set will also mill perfectly matched 1-3/8" rail and stile parts for custom made interior doors. Like all CMT bits, these tools include our anti-kickback design, trademark non-stick orange coating, high strength steel and micrograin carbide cutting edges for longer life. The set includes two bits for cutting the male and female parts. Suitable for stock up to 1-3/8" thick, not for use in handheld routers.



ORDER NO. 1/2" shank	D		d	I	L	Spare parts			
	inches	mm				Bearing	Slot cutter	Spacer	Nut M8
855.801.11	1-1/2	38	1-3/8	1-3/8	3-5/16 - 2-3/16	791.012.00	822.004.00	541.518.00	990.020.00

Step-by-step window sash construction

In our step-by-step example for window sash construction, we used the following:

- CMT Window Sash Set (item #855.801.11)
- stile cut 1-3/8" thick
- rail cut 1-3/8" thick
- scrap stock

The CMT Window Sash Set was designed ideally for the construction of windows in 1-3/8" stock, however variations as narrow as 1-7/64" can be used. Stock thicker than 1-3/8" exceeds the milling range of the cutter. Remember to adjust your measurements and cutting depths according to the wood thickness you use. We suggest making a trial joint in scrap stock according to the following steps before milling all of the cope and stick profiles.

STEP 1 - Measurements and making the tenons

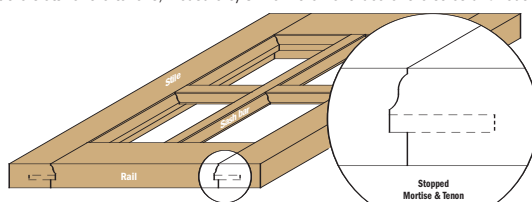
The ideal thickness of the stiles when using the CMT sash set is 1-3/8". The desired width of the stiles will determine the length you need to make your tenons, while the length of the stile will represent the desired full height of the sash. When cutting the rails to length, make sure to add the length of the two tenons to the overall length of the rail. The length of the tenons should be at least half the width of the stile. Mill 5/8" measuring from the front face of the stock using a table saw, radial saw or router as shown in illustration 1. This measurement remains invariable since it is calculated to the height of the CMT sash routers. The width of the tenon is 1/4". Rotate the stock and mill the other side. For our example, the second milling will be 1/2" but this measurement will vary if you are using thinner stock.

STEP 2 - Making the cope profile on rails, sash bar and muntins

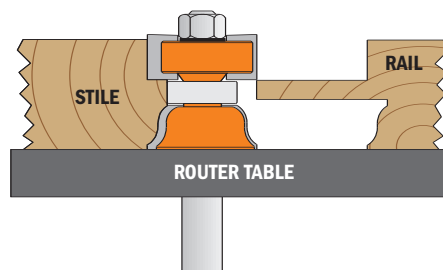
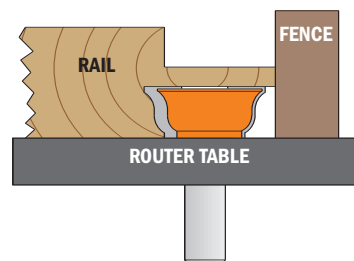
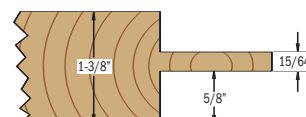
To make the cope profile, place the rail face front down on the router table with the tenon flush to the bit as shown in illustration 2. Adjust the fence so the bit mills 1/4" deeper than the tenon. To mill the sash bar and the muntins (cross bars), position front face down on the router table and mill without changing the height of the bit.

STEP 3 - Making the stick profile on rails, stile, sash bar and muntins

To mill the stick profile along the inside edges of all sash parts, place the already milled cope profile front face down on the router table and adjust the sash bit so that the lower edge of the top cutter will exactly touch the upper edge of the tenon as shown in illustration 3. With the rail still face down on the table, turn it so the inside edge of the rail is touching the bit and mill the stick profile. Mill the inside edges of the stiles and mill both edges of the front face of the sash bar and muntins. To cut the slots for the tenons, measure 5/8" from the front face of the stiles and rout with a table saw.



Your CMT set makes it easy!



Detailed instructions available on the web!

Ovolo Sash Bits

new

CMT ORANGE TOOLS®
CARBIDE
TIPPED

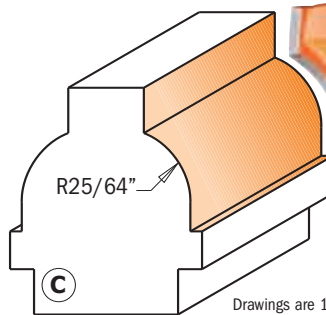
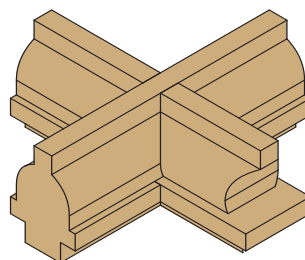
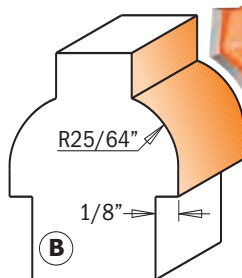
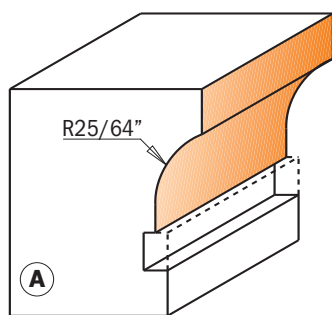
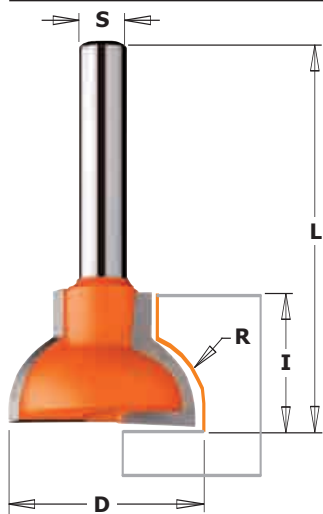
Z2

RH



855.3

These bits allow you to make true divided light doors for fine furniture and cabinets as well as sash bar windows, and stile and rail constructions. The glazing bar ovolo bits are bearing-guided to enable curved frames to be moulded. Cove bits can be used to produce easy-to-pull drawer handles.



Drawings are 1:1 scale

ORDER NO. 1/4" shank	D		I	R	L	Profile	Spare parts			
	inches	mm					Shield	Bearing	Screw TCEI	Hex key
855.307.11M	7/8	22	3/4	25/64	2	A				
855.307.11F	7/8	22	3/4	25/64	2	B				
855.308.11F	1-7/64	28	3/4	25/64	2-27/64	C	990.423.00	791.003.00	990.058.00	991.057.00

Ovolo Sash Set

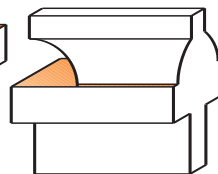
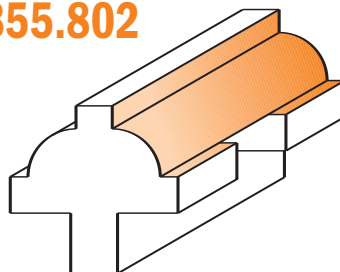
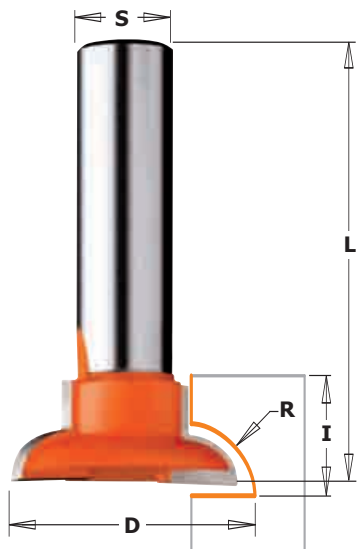
new

855.802

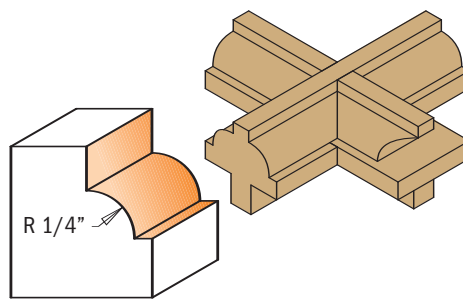
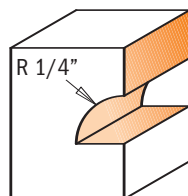
CARBIDE
TIPPED

Z2

RH

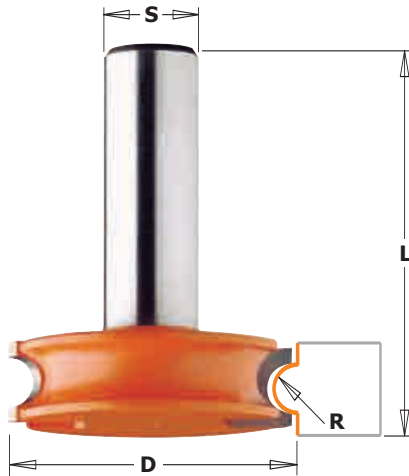


Drawings are 1:1 scale



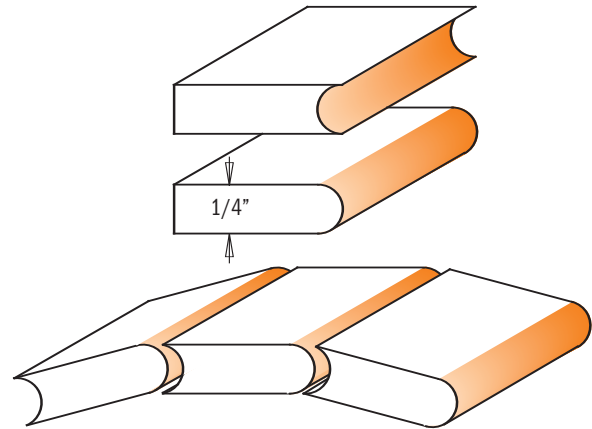
ORDER NO. 1/2" shank	D		D	I	R	L	Spare parts			
	inches	mm	inches	inches	inches	inches	Shield	Bearing	Screw TCEI	Hex key
855.802.11	1-1/4	31.7	1-3/16	15/32	1/4	2-13/32 - 2-17/64	990.423.00	791.003.00	990.058.00	991.057.00

Flute & Bead Sets



855.701

Build your own cedar strip canoe, hot tub, or lots of other curved shapes with this perfectly matched CMT set. Durable carbide tips stay sharp even after cutting great quantities of stock, and the anti-kickback design helps to ensure your safety when routing. For 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.

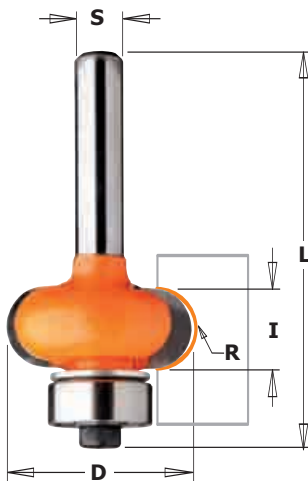


Drawings are 1:1 scale

ORDER NO. 1/2" shank	R		D	L
	inches	mm	inches	inches
855.701.11	1/8	3.2	1-1/2	1-49/64 - 1-29/32

Edge-Fluting Bits

new

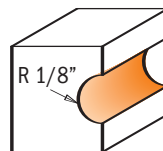


862

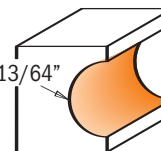
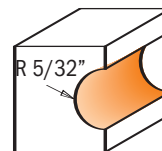
The edge-fluting bearing guided bits are quick to set up can be used for curved screens, small radius grooves, doors etc. no side fence required. Use in a handheld or table-mounted router.



For Top bearing version: use bearing 791.010.00 and stop collar 541.001.00 (optional)



Drawings are 1:1 scale



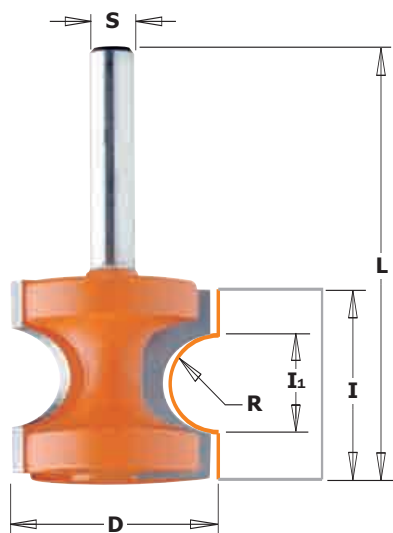
ORDER NO. 1/4" shank	R		D	I	L	Spare parts		
	inches	mm	inches	inches	inches	Shield	Bearing	Screw TCEI
862.032.11	1/8	3.2	3/4	1/4	2-1/4	990.423.00	791.003.00	990.058.00
862.040.11	5/32	4	13/16	5/16	2-1/4	990.423.00	791.003.00	990.058.00
862.050.11	13/64	5	57/64	25/64	2-1/4	990.423.00	791.003.00	990.058.00

Bull Nose Bits

CMT ORANGE TOOLS®
CARBIDE
TIPPED

Z2

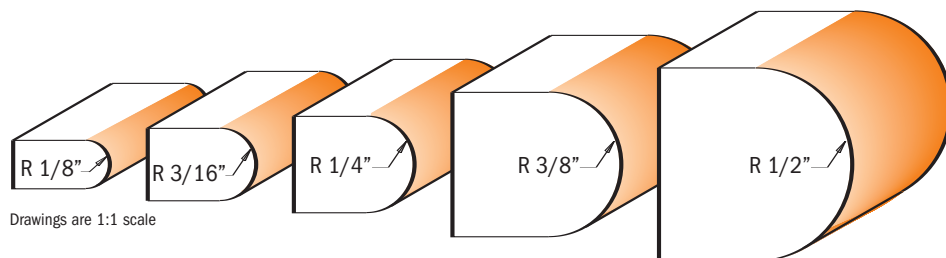
RH



854

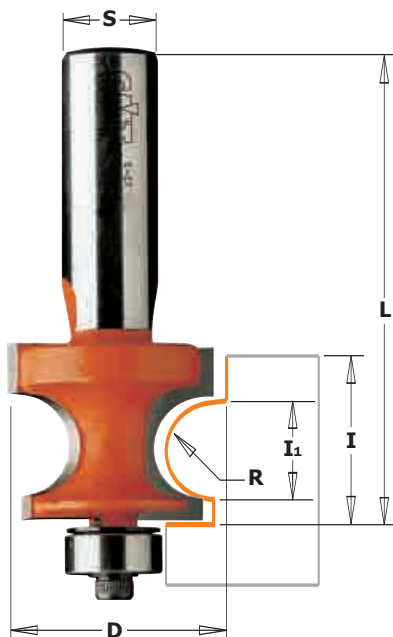
Bull Nose Bits are the perfect choice for the edges of stair treads, window sills, shelves and more. Or create an oval edge by using a bit with a bead diameter greater than the stock thickness. All bits feature anti-kickback design and CMT's trademark orange Teflon® Industrial Coating.

ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	R		D	I ₁	I	L
		inches	mm	inches	inches	inches	inches
854.002.11		1/8	3.2	7/8	1/4	3/4	2
	854.502.11	1/8	3.2	7/8	1/4	3/4	2-17/64
854.003.11		3/16	4.75	1	3/8	7/8	2-9/64
	854.503.11	3/16	4.75	1	3/8	7/8	2-25/64
854.004.11		1/4	6.35	1-1/8	1/2	1	2-17/64
	854.504.11	1/4	6.35	1-1/8	1/2	1	2-1/2
	854.507.11	3/8	9.52	1-3/8	3/4	1-3/8	2-7/8
	854.509.11	1/2	12.7	1-3/4	1	1-5/8	3-9/64



Drawings are 1:1 scale

Corner Beading Bits



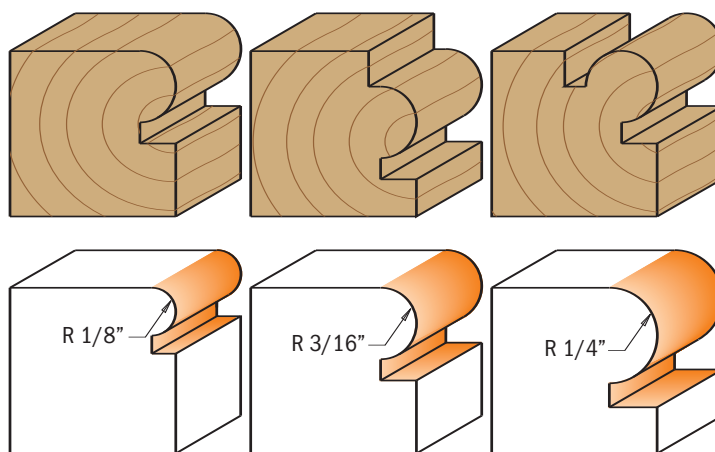
861

Corner Beading bits look like Bull Nose bits, but a smaller cutting diameter adjacent to the bearing makes them a perfect shape for table legs and other furniture details. The drawings below give a sense of the 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.

CARBIDE
TIPPED

Z2

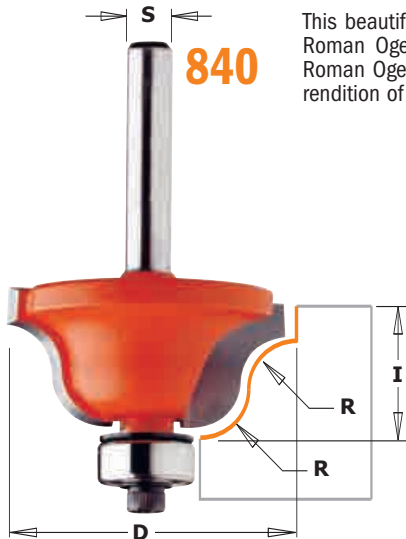
RH



Drawings are 1:1 scale

ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	R		D	I ₁	I	L	Spare parts			
		inches	mm	inches	inches	inches	inches	Shield	Bearing	Screw	Hex key
861.032.11		1/8	3.2	7/8	1/4	19/32	2-9/32	990.423.00	791.003.00	990.058.00	991.057.00
	861.532.11	1/8	3.2	7/8	1/4	19/32	2-17/32	990.423.00	791.003.00	990.058.00	991.057.00
861.048.11		3/16	4.75	1	3/8	47/64	2-27/64	990.423.00	791.003.00	990.058.00	991.057.00
	861.548.11	3/16	4.75	1	3/8	47/64	2-43/64	990.423.00	791.003.00	990.058.00	991.057.00
861.064.11		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	1/4	6.35	1-1/8	1/2	7/8	2-13/16	990.423.00	791.003.00	990.058.00	991.057.00

Roman Ogee Bits



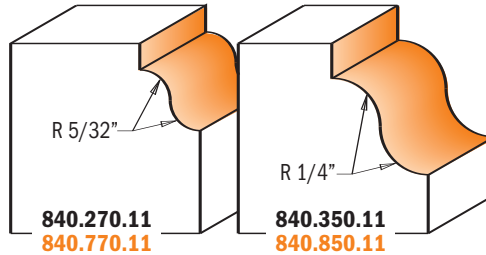
840

This beautiful, graceful shape is always a popular edge treatment, so a fine Roman Ogee Bit should be a staple of any woodworker's shop. The CMT Roman Ogee Bit includes all of the great CMT features, producing a perfect rendition of a classic design.

CARBIDE
TIPPED

Z2

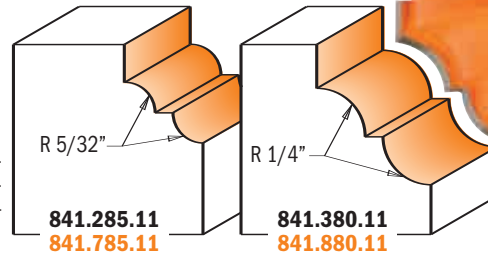
RH



840.270.11
840.770.11

840.350.11
840.850.11

Drawings are 1:1 scale



841.285.11
841.785.11

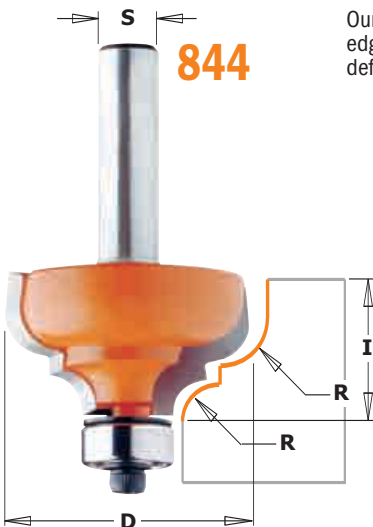
841.380.11
841.880.11

Spare parts

ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	R		D	I	Shield	Bearing	Screw	Hex key
		inches	mm	inches	inches				
840.270.11	840.770.11	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	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	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	1/4	6.35	1-11/16	3/4	990.423.00	791.003.00	990.058.00	991.057.00

This bit takes the Roman ogee a 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 in the edge.

Classical Ogee Bits



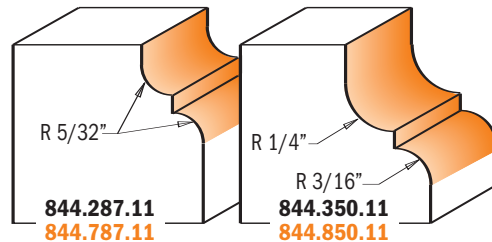
844

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.

CARBIDE
TIPPED

Z2

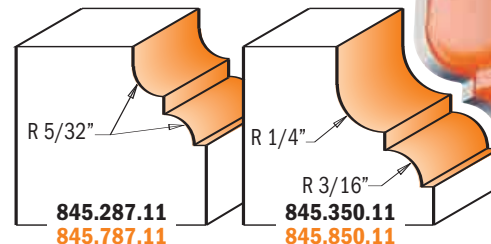
RH



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

Spare parts

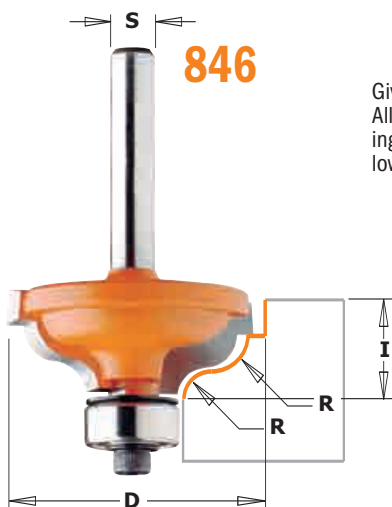
ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	R		D	I	Shield	Bearing	Screw	Hex key
		inches	mm	inches	inches				
844.287.11	844.787.11	5/32	4	1-1/8	29/64	990.423.00	791.003.00	990.058.00	991.057.00
844.350.11	844.850.11	1/4 - 3/16	6.35 - 4.8	1-1/2	11/16	990.423.00	791.003.00	990.058.00	991.057.00
845.287.11	845.787.11	5/32	4	1-5/16	1/2	990.422.00	791.002.00	990.058.00	991.057.00
845.350.11	845.850.11	1/4 - 3/16	6.35 - 4.8	1-11/16	3/4	990.422.00	791.002.00	990.058.00	991.057.00

Ogee with Fillet Bits

CMT ORANGE TOOLS®
CARBIDE
TIPPED

Z2

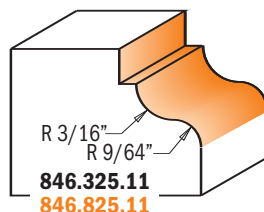
RH



846

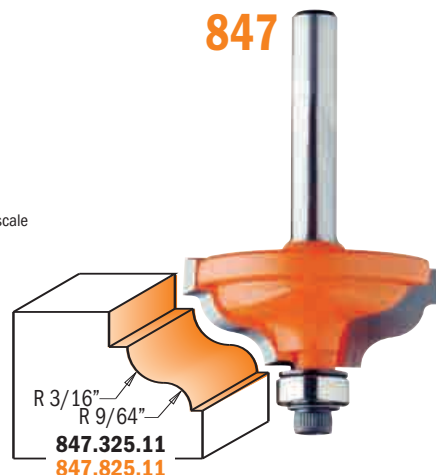
Give your shop a full range of options with a complete assortment of CMT Ogee Bits.

All CMT bits feature micrograin carbide edges, high-strength European steel and our trademark orange coating. For a more-detailed version of this beautiful profile, the 847-series bit adds an inset bead along the lower edge of the cut.


846.325.11
846.825.11

Drawings are 1:1 scale

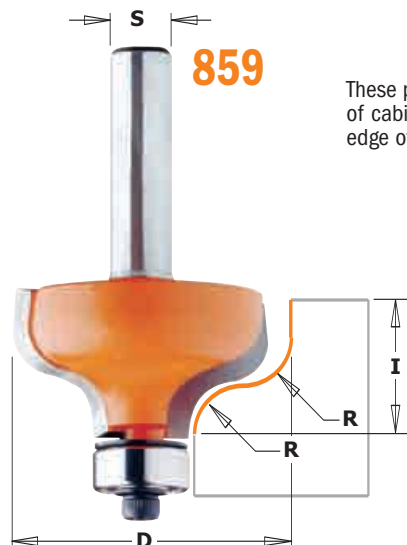
847


847.325.11
847.825.11

Spare parts

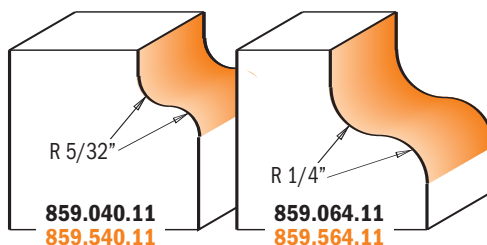
ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	R		D	I	Shield	Bearing	Screw	Hex key
		inches	mm	inches	inches				
846.325.11	846.825.11	3/16 - 9/64	4.8 - 3.6	1-3/8	1/2	990.423.00	791.003.00	990.058.00	991.057.00
847.325.11	847.825.11	3/16 - 9/64	4.8 - 3.6	1-3/8	1/2	990.422.00	791.002.00	990.058.00	991.057.00

Ogee Bits



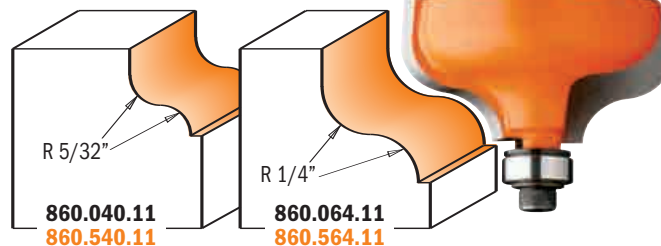
859

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

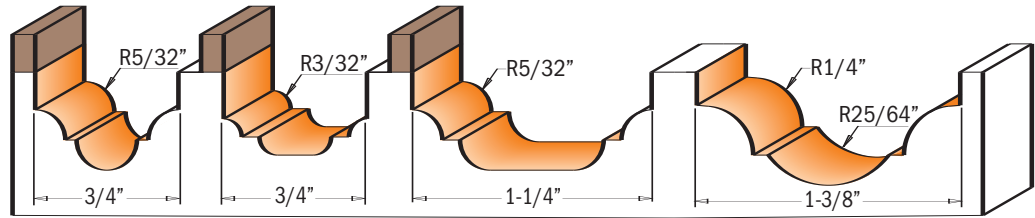
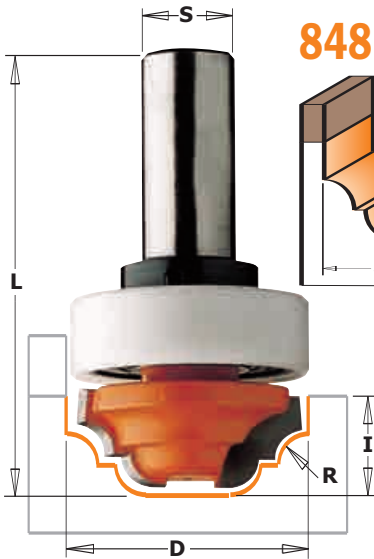
Spare parts

ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	R		D	I	Shield	Bearing	Screw	Hex key
		inches	mm	inches	inches				
859.040.11	859.540.11	5/32	4	1-1/8	1/2	990.423.00	791.003.00	990.058.00	991.057.00
859.064.11	859.564.11	1/4	6.35	1-1/2	3/4	990.423.00	791.003.00	990.058.00	991.057.00
860.040.11	860.540.11	5/32	4	1-1/8	1/2	990.422.00	791.002.00	990.058.00	991.057.00
860.064.11	860.564.11	1/4	6.35	1-1/2	3/4	990.422.00	791.002.00	990.058.00	991.057.00

Plunge Ogee Bits



848 - 848B



Drawings are 1:1 scale

You will never run out of clever, creative applications for this bit. Add a classic touch to any edge or highlight door fronts and panels with decorative layered effects.

You will never run out of clever, creative applications for this bit. Add a classic touch to any edge or highlight door fronts and panels with decorative layered effects.

Spare parts

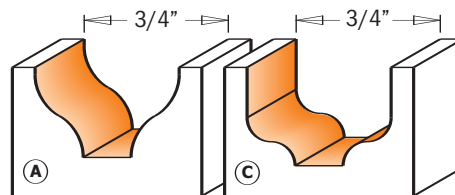
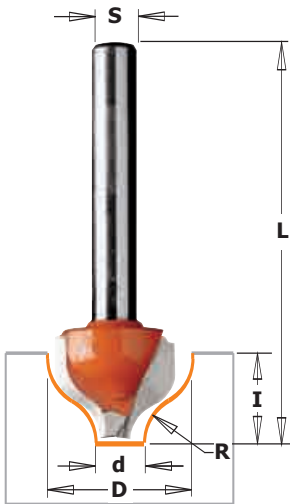
ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	D inches	D mm	R inches	I inches	L inches	Bearing	Stop collar	Screw	Hex key
848.190.11		3/4	19	5/32	1/2	2-1/64				
848.191.11		3/4	19	3/32	7/16	2-3/32				
	848.817.11	1-1/4	31.7	5/32	1/2	2-19/64				
	848.850.11	1-3/8	34.9	1/4-25/64	19/32	2-43/64				
with top bearing										
848.190.11B		3/4	19	5/32	1/2	2-1/64	791.004.00	541.001.00	990.005.00	991.056.00
848.191.11B		3/4	19	3/32	7/16	2-3/32	791.004.00	541.001.00	990.005.00	991.056.00
	848.817.11B	1-1/4	31.7	5/32	1/2	2-19/64	791.015.00	541.002.00	990.005.00	991.056.00

Decorative Ogee Bits

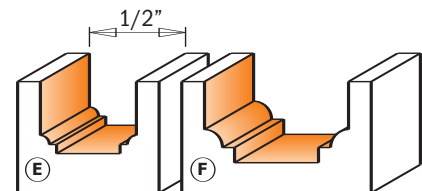
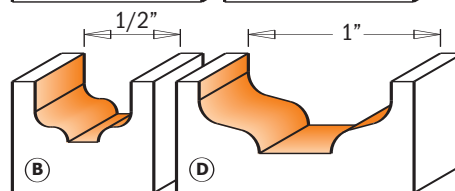
865



These new bits are great for a wide variety of decorative veining and edgework tasks. All are carbide-tipped to ensure a clean, sharp cut. Both families of profiles are offered with an optional top bearing for pattern work.



Drawings are 1:1 scale



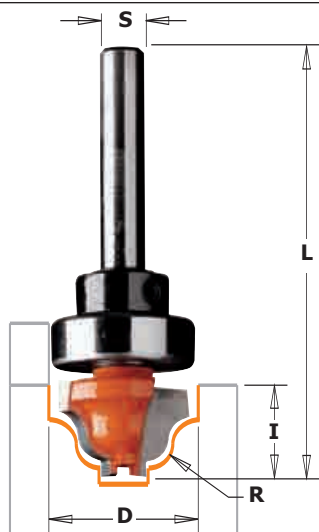
ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	D inches	D mm	d inches	R inches	I inches	L inches	Profile
865.001.11	865.501.11	3/4	19	1/4	1/4	7/16	2	A
865.002.11		3/4	19	5/32	5/64	5/16	2	B
	865.503.11	3/4	19	1/4	1/8	33/64	2-43/64	C
	865.504.11	1	25.4	3/8	1/8	3/8	1-59/64	D
865.101.11		1/2	12.7	21/64	3/64	1/2	2	E
865.102.11		3/4	19	7/16	3/32	7/16	2	F

Classical Panel Ogee Bits

CMT ORANGE TOOLS®
CARBIDE
TIPPED

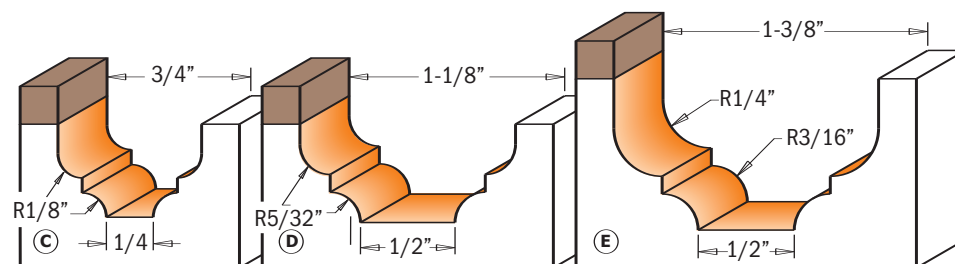
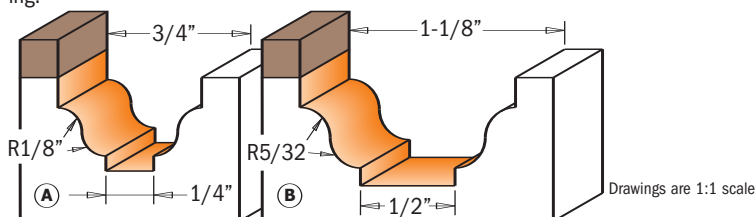
Z2

RH



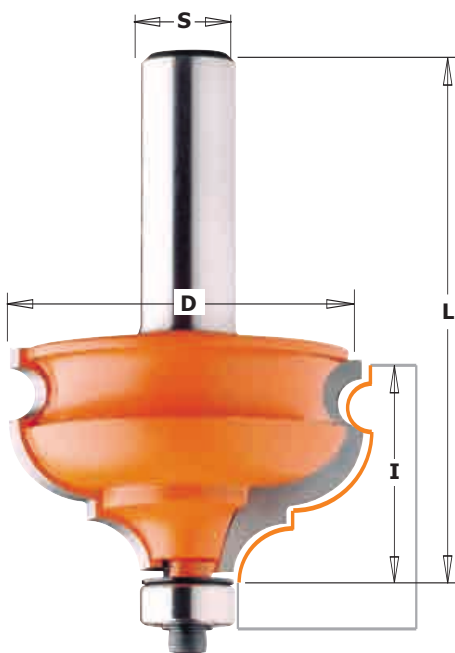
865B

CMT's new classic panel ogee with ball bearing guide gives you even more de-corative possibilities for panel and edge work. The bit design gives you a wide flat bottom cut and the longer shank allows for deeper detailing.



		Spare parts			
ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	R inches mm	D inches	I inches	L inches
865.201.11B		3/4 19	1/8	31/64	2-9/64
	865.702.11B	1-1/8 28.6	5/32	9/16	2-21/64
865.301.11B		3/4 19	1/8	31/64	2-9/64
	865.802.11B	1-1/8 28.6	5/32	1/2	2-19/64
	865.803.11B	1-3/8 34.9	1/4	23/32	2-39/64

Molding Bit



856.501

CARBIDE
TIPPED

Z2

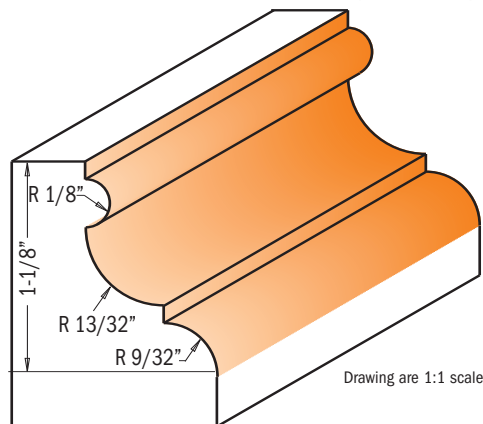
RH



With the wide range of decorative possibilities offered by CMT molding bits, you can always create the edge profile you want, anywhere you want and any time you want.

Shop Tips: Multiple pass operations require advance planning. To avoid making a mistake that could render it impossible to finish the job, carefully consider the entire cutting sequence before you begin.

Safety Tips: All large diameter bits such as these should be used with caution and on router tables equipped with a fence. 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.



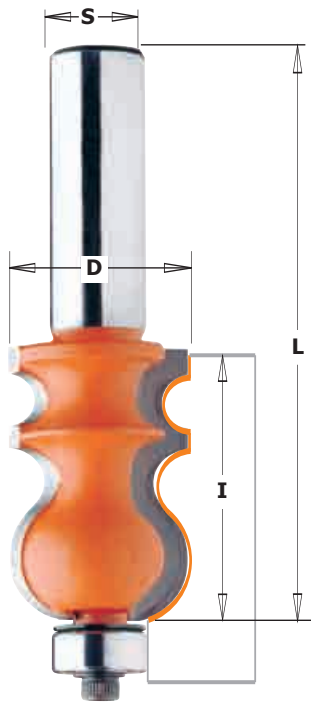
ORDER NO. 1/2" shank	D inches mm	I inches	L inches	Spare parts			
856.501.11	1-7/8 47.6	1-1/8	3-1/16	Shield	Bearing	Screw	Hex key
				990.423.00	791.003.00	990.058.00	991.057.00



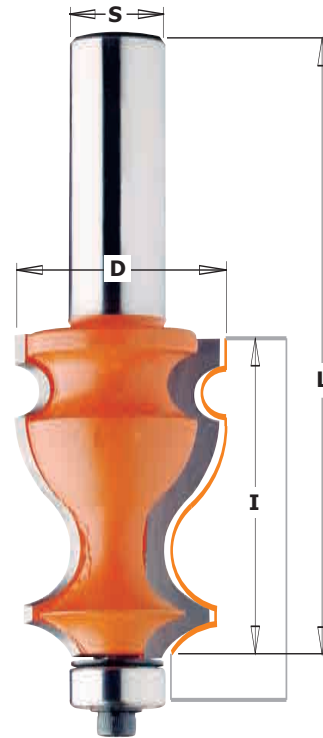
Why waste time searching for a particular style of frame molding when you can just as quickly and easily make your own. With the wide range of decorative possibilities offered by CMT molding bits, you can always create the edge profile you want, anywhere you want and any time you want. These CMT bits are 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 makes sure you continuously get clean, smooth-running cuts. Our anti-kickback feature helps guarantee 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 render it impossible to finish the job, carefully consider the entire cutting sequence before you begin.

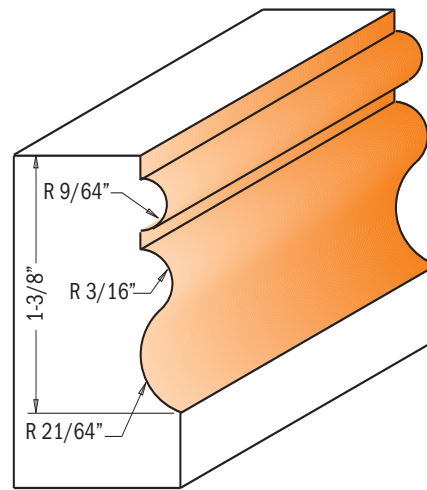
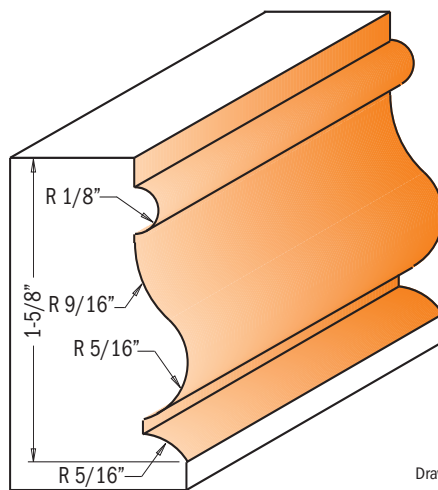
Safety Tips: All large diameter bits such as these should be used with caution and on router tables equipped with a fence. For best results, 2-1/4 HP routers are recommended. Routers as low-powered as 1-1/2 HP can be used if limited to shorter, shallower runs. When possible, reduce the RPMs of the router for operations requiring the use of these bits.



855.901



855.902



Drawing are 1:1 scale

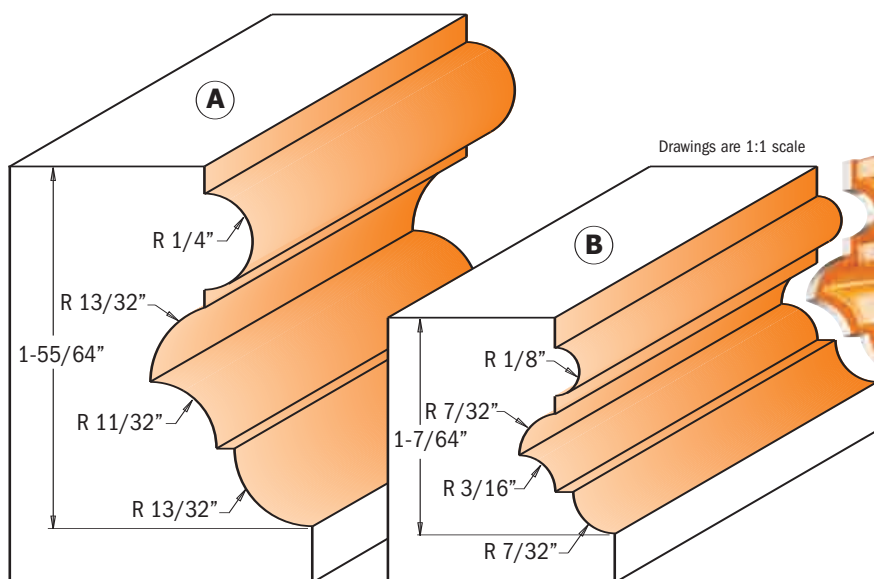
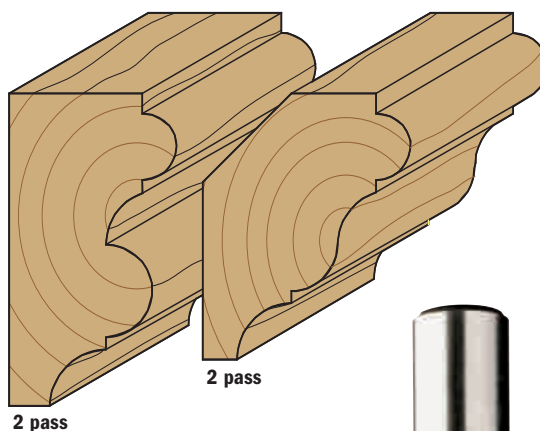
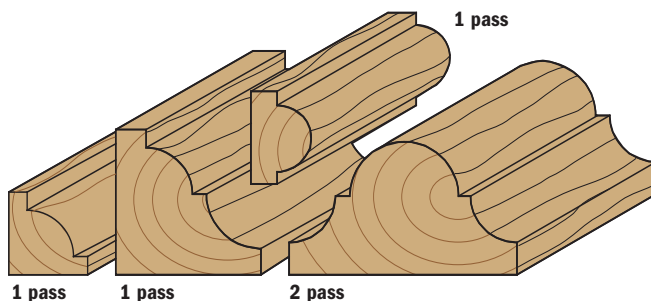
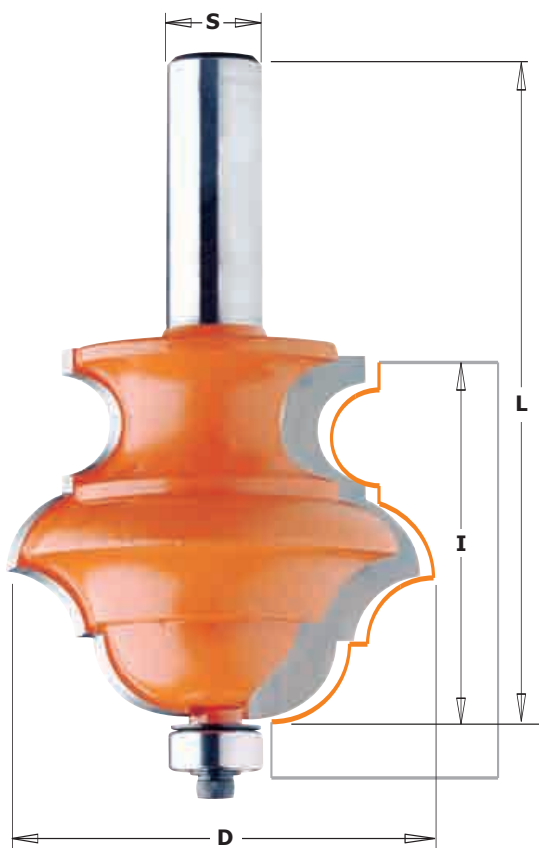
ORDER NO. 1/2" shank	D		I	L	Spare parts			
	inches	mm			Shield	Bearing	Screw	Hex key
855.901.11	15/16	23.8	1-3/8	3-5/16	990.423.00	791.003.00	990.058.00	991.057.00
855.902.11	1-1/16	27	1-5/8	3-9/16	990.423.00	791.003.00	990.058.00	991.057.00

Multiprofile Bits

CMT ORANGE TOOLS®


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	D		I	L	Profile	Spare parts			
	inches	mm				Shield	Bearing	Screw	Hex key
856.802.11	2-3/16	55.6	1-7/8	3-51/64	A	990.423.00	791.003.00	990.058.00	991.057.00
856.801.11	1-1/2	38.1	1-1/8	3-1/16	B	990.423.00	791.003.00	990.058.00	991.057.00

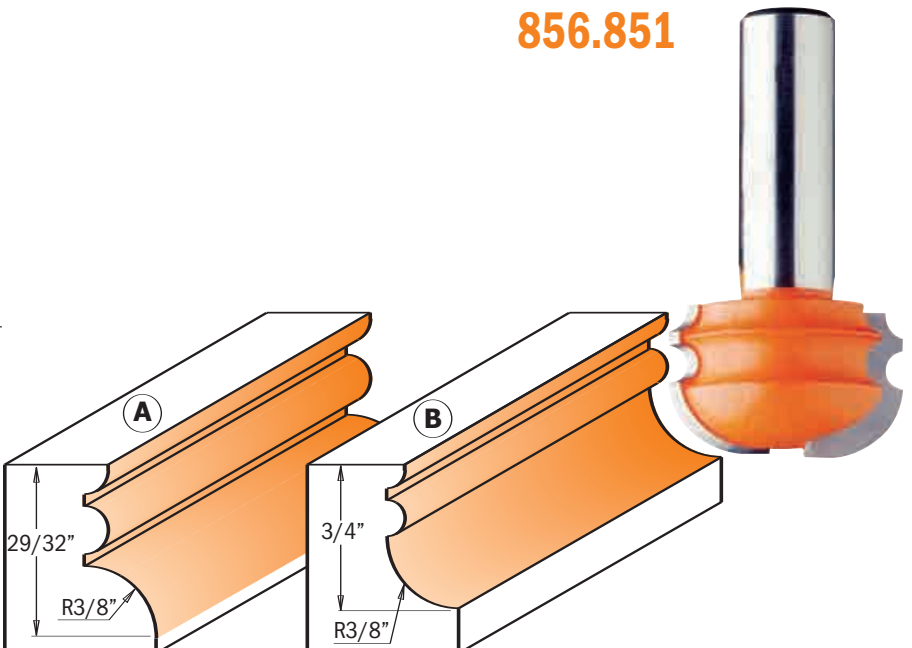
Molding System



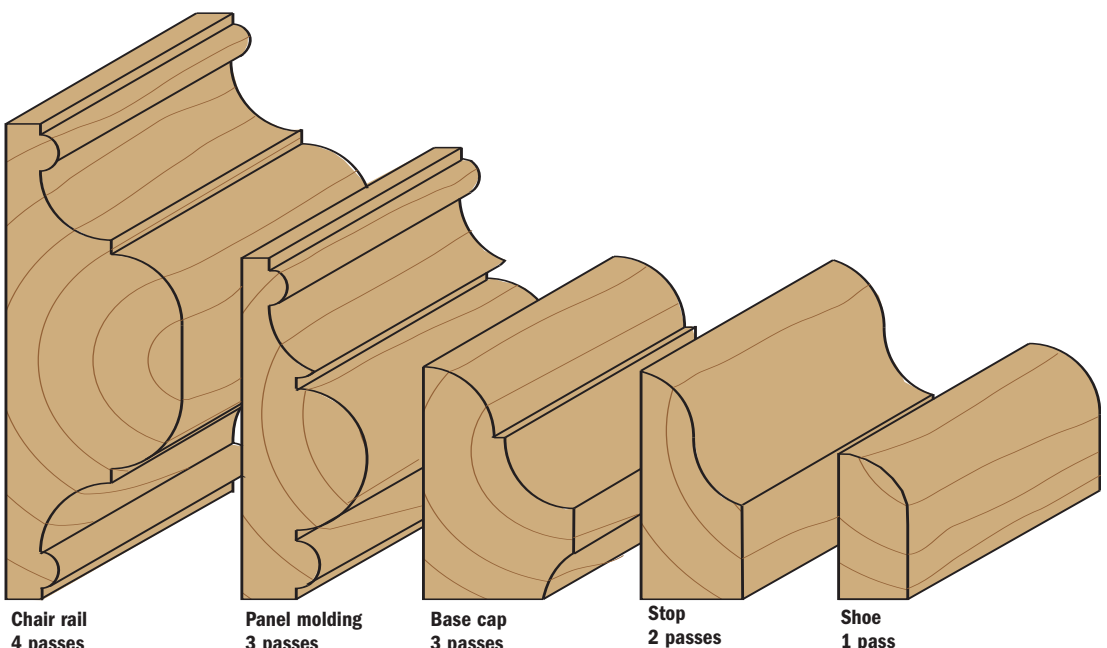
856.852

If the standard selection of molding and mill work in today's lumberyard 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. Avoid the average and create your own moldings.

856.851



Drawings are 1:1 scale



Chair rail
4 passes

Panel molding
3 passes

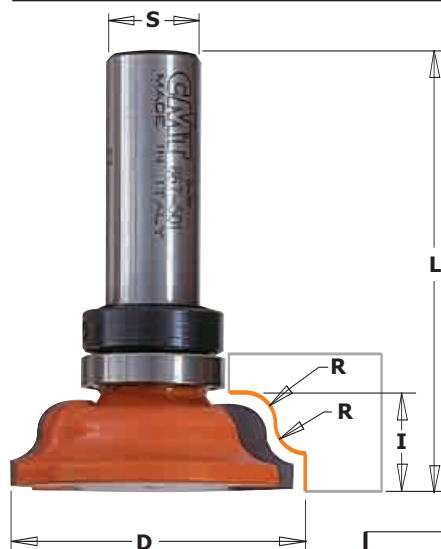
Base cap
3 passes

Stop
2 passes

Shoe
1 pass

ORDER NO. 1/2" shank	D		I	L	Profile
	inches	mm	inches	inches	
856.852.11	1-1/4	31.7	29/32	2-17/64	A
856.851.11	1-1/4	31.7	3/4	2-13/32	B

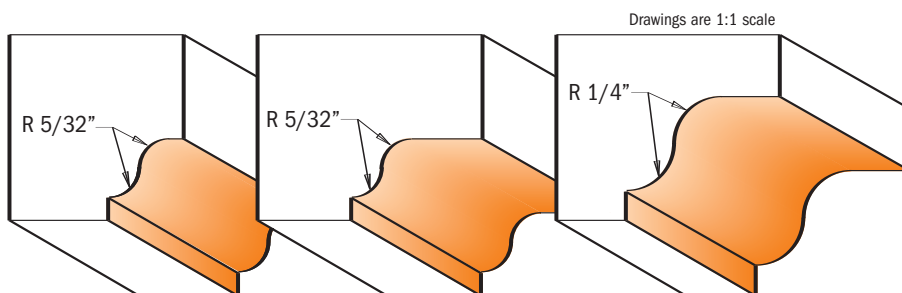
Molding Bits



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 ingredients in our Crown Molding Set.



Drawings are 1:1 scale

ORDER NO. 1/2" shank	R		D	I	L	Spare parts			
	inches	mm	inches	inches	inches	Bearing	Stop collar	Screw	Hex key
867.501.11B	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	5/32	4	2-1/8	29/64	2-39/64	791.011.00	541.002.00	990.005.00	991.056.00
867.503.11B	1/4	6.35	2-3/8	11/16	2-53/64	791.011.00	541.002.00	990.005.00	991.056.00

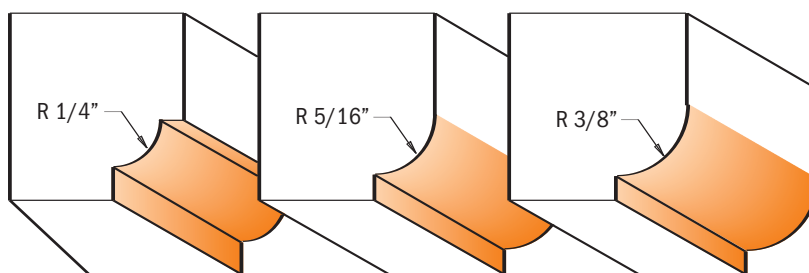
Molding Bits



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.

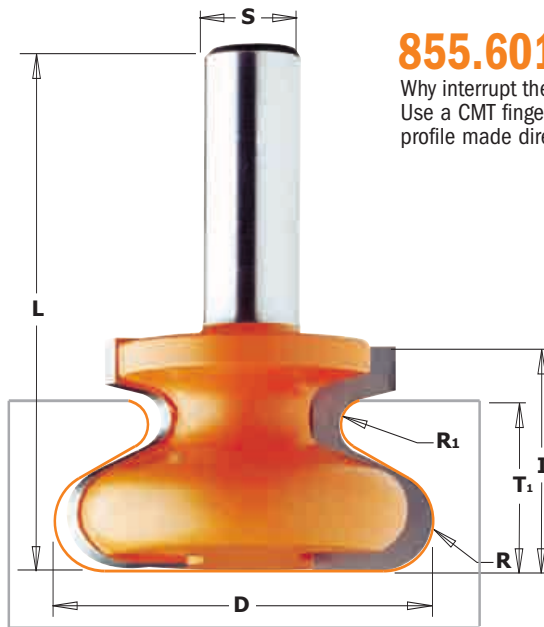
These bits are also key ingredients in our Crown Molding Set.



Drawings are 1:1 scale

ORDER NO. 1/2" shank	R		D	I	L	Spare parts			
	inches	mm	inches	inches	inches	Bearing	Stop collar	Screw	Hex key
867.601.11B	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	5/16	8	1-3/8	33/64	2-9/32	791.011.00	541.002.00	990.005.00	991.056.00
867.603.11B	3/8	9.5	1-1/2	37/64	2-21/64	791.011.00	541.002.00	990.005.00	991.056.00

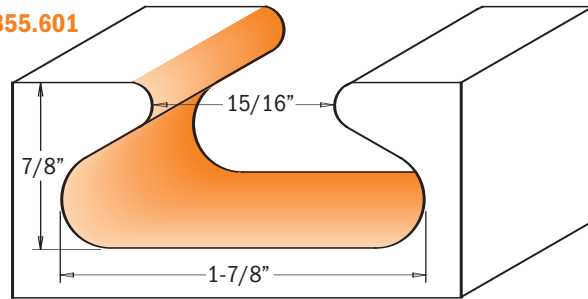
Finger Pull Bit



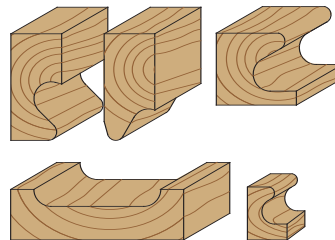
855.601 - 602

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.

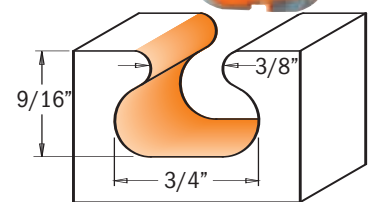
855.601



Drawings are 1:1 scale

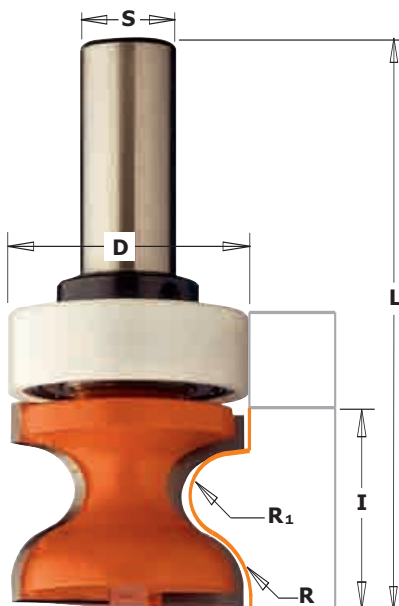


855.602



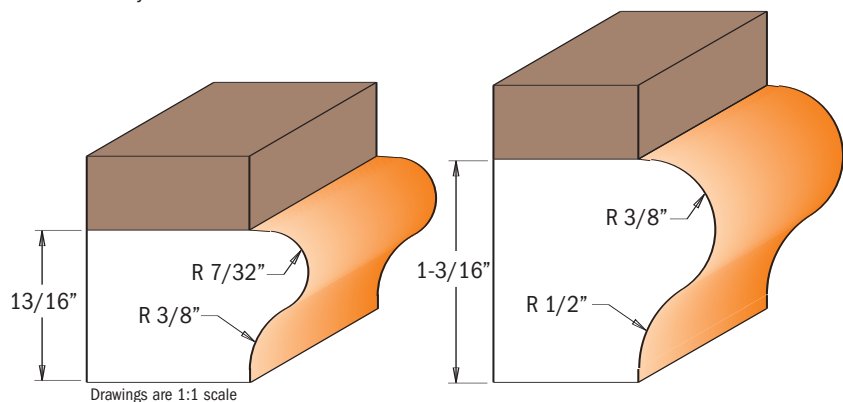
ORDER NO. 1/2" shank	D		T ₁	I	R	R ₁	L
	inches	mm	inches	inches	inches	inches	inches
855.602.11	3/4	19.05	9/16	3/4	3/16	3/32	2-17/64
855.601.11	1-7/8	47.6	7/8	1-1/8	1/4	1/8	2-5/8

Window Sill Bits



855.8

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.



Drawings are 1:1 scale

Spare parts

ORDER NO. 1/2" shank	R	R ₁	D	I	L	Bearing	Stop collar	Screw	hex key
	inches	mm	inches	inches	inches				
Without bearing									
855.804.11	7/32	5.5	3/8	1-1/4	1				
855.805.11	3/8	9.5	1/2	1-1/2	1-3/8				
With top bearing									
855.804.11B	7/32	5.5	3/8	1-1/4	1	791.015.00	541.002.00	990.005.00	991.056.00
855.805.11B	3/8	9.5	1/2	1-1/2	1-3/8	791.020.00	541.002.00	990.005.00	991.056.00

Table Edge & Hand Rail Bits

CMT ORANGE TOOLS®
CARBIDE
TIPPED

Z2

RH



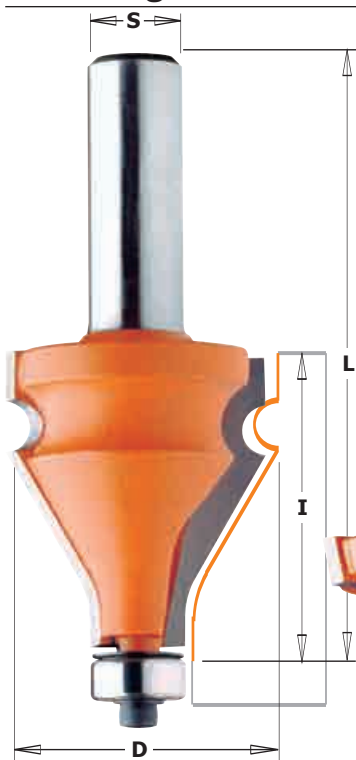
856.701

Either of these bits will be a great addition to your shop, or buy them both to build a beautiful hand rail.

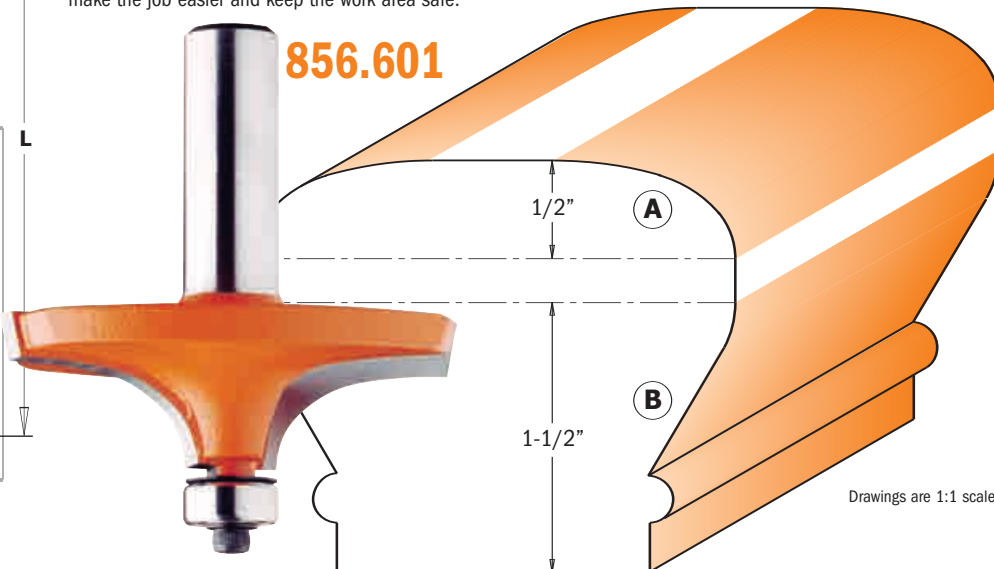
Table Edge Bit: Our table edge bits give perfectly smooth well-proportioned curves to dining and coffee table edges. It's a beautiful shape that also provides a comfortable place to lean after dinner.

Hand Rail Bit: with a 30° bevel edge and a 1/8" bead, these bits make beautiful and functional hand rails that add an understated touch of class to any architectural setting.

Safety Precautions: These bits create a great quantity of saw dust. We suggest using a vacuum on your router table to make the job easier and keep the work area safe.



856.601



Drawings are 1:1 scale

ORDER NO. 1/2" shank	D		I	L	Profile	Spare parts			
	inches	mm	inches	inches		Shield	Bearing	Screw	Hex key
856.601.11	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	1-3/8	35	1-1/2	3-7/16	B	990.423.00	791.003.00	990.058.00	991.057.00

Vertical Raised Panel Bits

CARBIDE
TIPPED

Z2

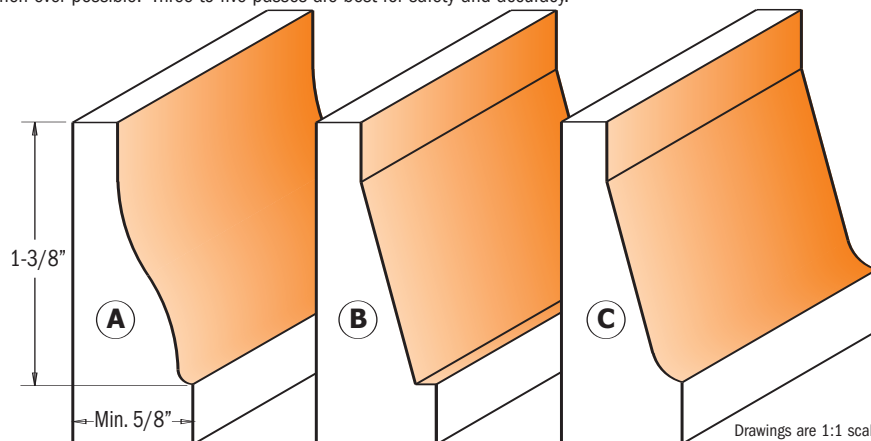
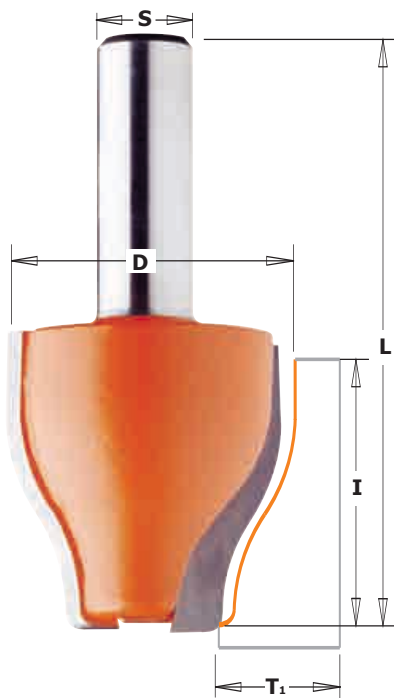
RH



890.6

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.

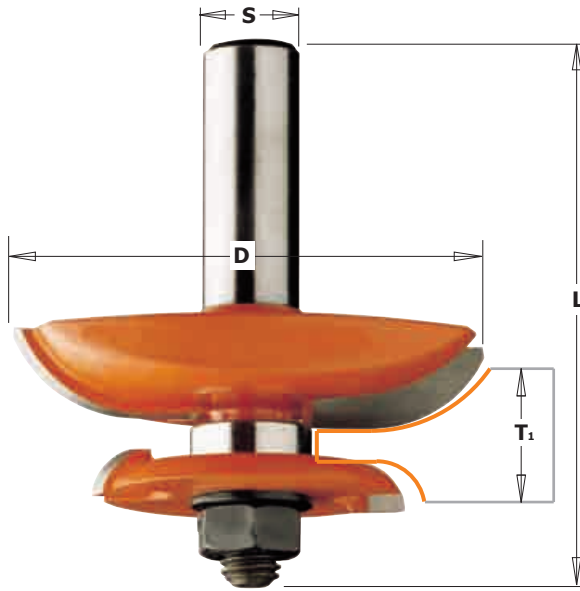
Safety Precautions: The router table fence must be at least 6" high. Clamps and featherboards should be used when ever possible. Three to five passes are best for safety and accuracy.



Drawings are 1:1 scale

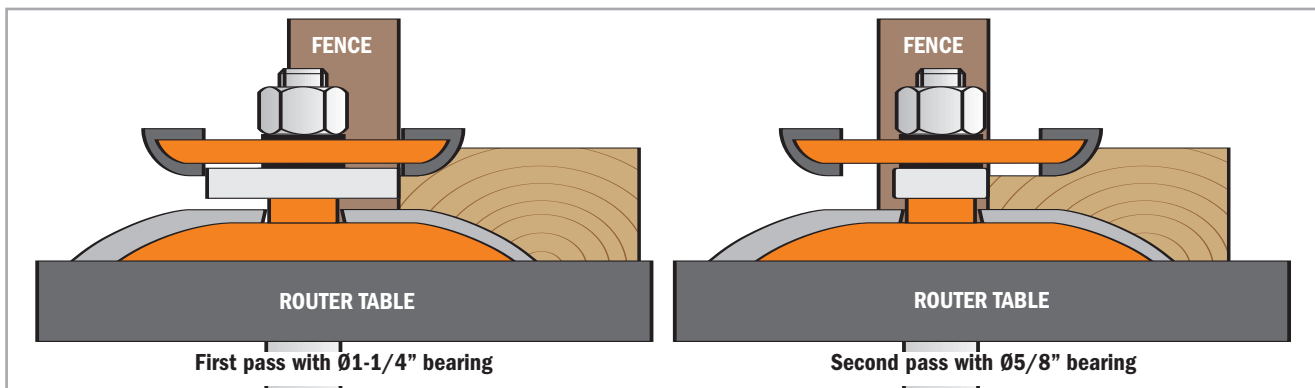
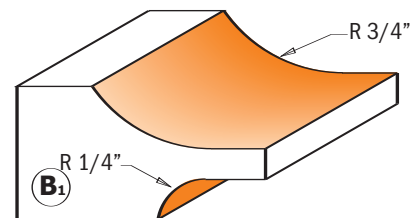
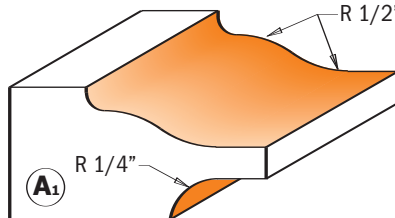
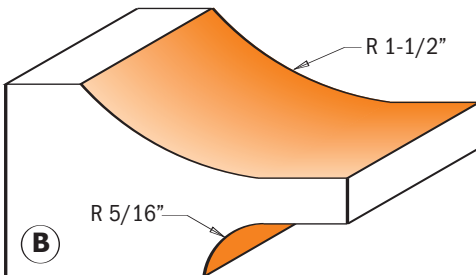
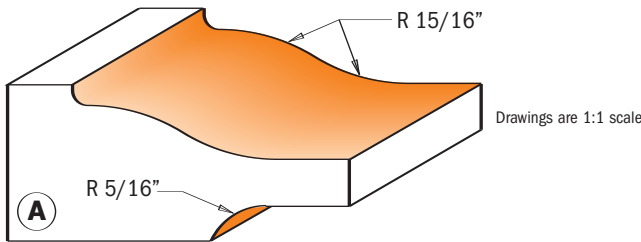
ORDER NO. 1/2" shank	D		I	T ₁	L	Profile
	inches	mm	inches	inches	inches	
890.601.11	1-1/2	38	1-1/2	19/32-23/32	3	A
890.602.11	1-1/2	38	1-1/2	19/32-23/32	3	B
890.603.11	1-1/2	38	1-1/2	19/32-23/32	3	C

Raised Panel Bits with Back Cutter



890

These innovative bits feature a back cutter which allows milling of both the front and back of the panel 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	D		T ₁	L	Profile	Spare parts			
	inches	mm				Slot cutter	Bearing	Bearing	Nut M8
890.524.11	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	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	2-1/2	63.5	7/16 - 11/16	2-49/64	A ₁	822.010.11	791.025.00	791.033.00	990.020.00
890.537.11	2-1/2	63.5	7/16 - 11/16	2-49/64	B ₁	822.010.11	791.025.00	791.033.00	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				

Horizontal Raised Panel Bits

CMT ORANGE TOOLS®
CARBIDE
TIPPED

Z2

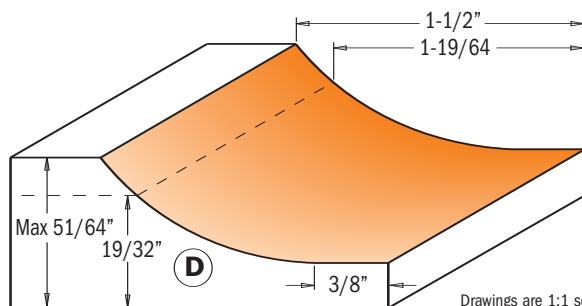
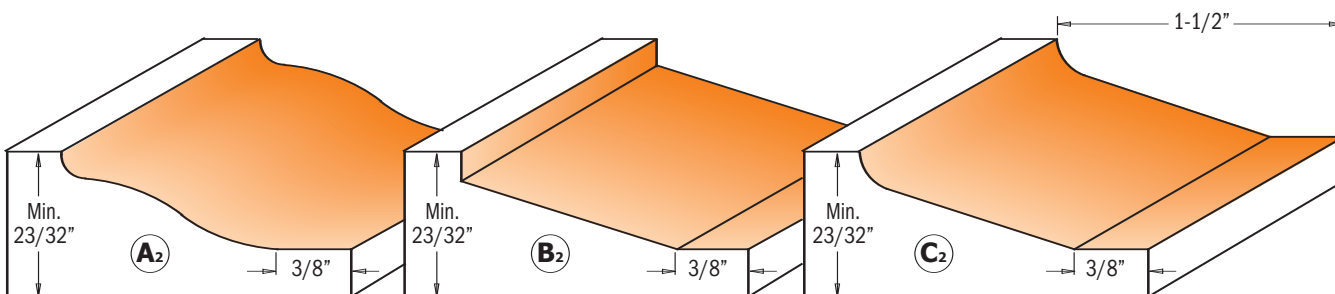
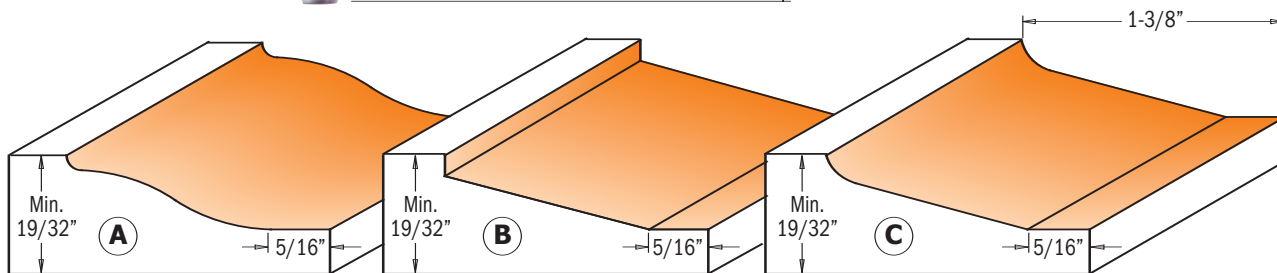
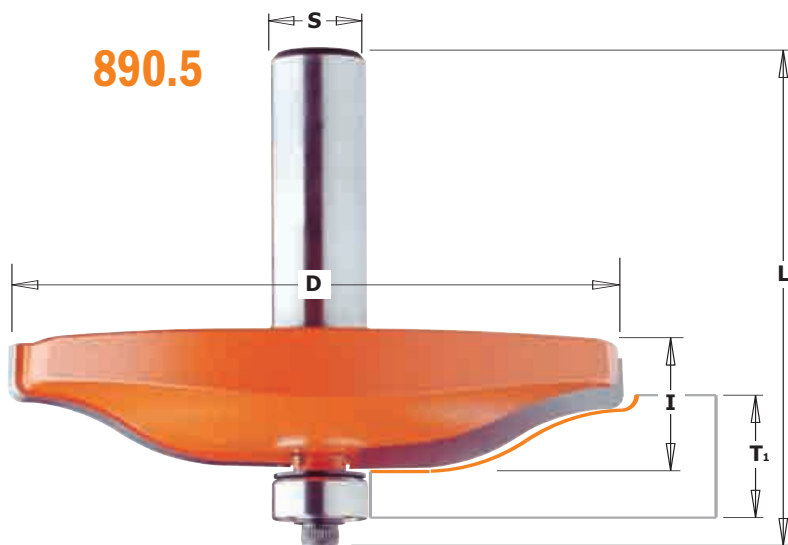
RH



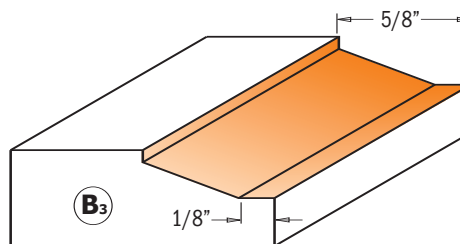
Make classic raised panel doors with CMT's industrial quality Raised Panel Bits. They feature micrograin carbide cutting edges, our trademark orange coating, and antikickback design for safety.

Safety Precautions:

These bits should be used between 10,000 and 12,000 RPM. Three to five passes recommended. To be used with routers with at least 2-1/4 HP.

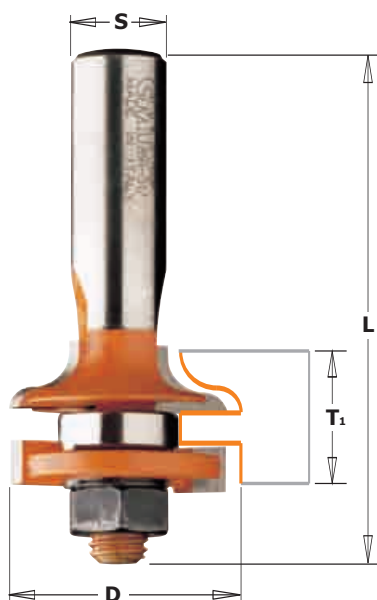


Drawings are 1:1 scale



ORDER NO. 1/2" shank	D		I	T ₁	L	Profile	Spare parts			
	inches	mm					Shield	Bearing	Screw	Hex key
890.501.11	3-1/4	82.5	19/32	19/32 - 23/32	2-33/64	A	990.423.00	791.003.00	990.058.00	991.057.00
890.502.11	3-1/4	82.5	19/32	19/32 - 23/32	2-33/64	B	990.423.00	791.003.00	990.058.00	991.057.00
890.503.11	3-1/4	82.5	19/32	19/32 - 23/32	2-35/64	C	990.423.00	791.003.00	990.058.00	991.057.00
890.504.11	3-1/2	89	19/32	23/32 - 25/32	2-35/64	A ₂	990.423.00	791.003.00	990.058.00	991.057.00
890.505.11	3-1/2	89	19/32	23/32 - 25/32	2-35/64	B ₂	990.423.00	791.003.00	990.058.00	991.057.00
890.506.11	3-1/2	89	19/32	23/32 - 25/32	2-35/64	C ₂	990.423.00	791.003.00	990.058.00	991.057.00
890.507.11	3-1/2	89	19/32	23/32 - 25/32	2-35/64	D	990.423.00	791.003.00	990.058.00	991.057.00
890.512.11	1-7/8	47.6	3/8	1/2 - 19/32	2-19/64	B ₃	990.423.00	791.003.00	990.058.00	991.057.00

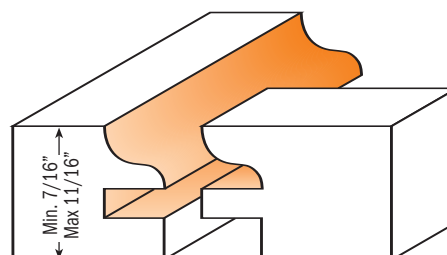
Junior Rail & Stile Sets



891.517



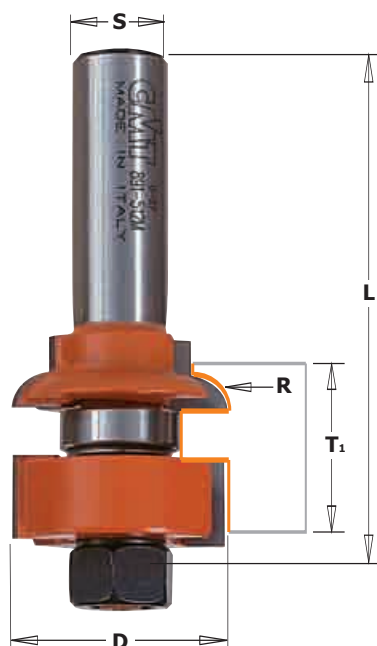
These bits are designed for those special pro-jects that require a smaller panel door. Use these bits with stock from 7/16" to 11/16" thick, and build doors as small as 2-3/4" square.



Drawings are 1:1 scale

ORDER NO. 1/2" shank	D		T ₁	L	Spare parts			
	inches	mm			Slot cutter	Slot cutter	Bearing	Nut M8
891.517.11	1-1/4	31.7	7/16 - 11/16	2-41/64	822.008.11	822.009.11	791.025.00	990.020.00
Spare parts								
	541.515.11	0.1mm spacer						
	541.516.11	0.3mm spacer						
	541.518.11	1.0mm spacer						

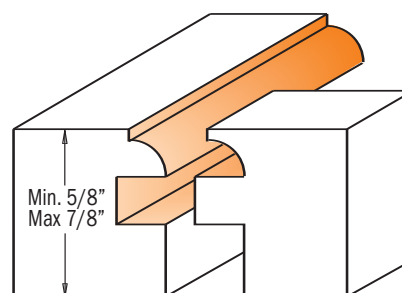
Lonnie Bird's Rail & Stile Sets



891.512



Designed for fine furniture construction, these bits mill a delicate 3/16" thumbnail profile in stock from 5/8" to 13/16" thick.



Drawings are 1:1 scale

ORDER NO. 1/2" shank	D		T ₁	L	Spare parts			
	inches	mm			Slot cutter	Slot cutter	Bearing	Nut M8
891.512.11	1-1/8	28.7	5/8 - 7/8	3-1/8	822.008.11	822.009.11	791.025.00	990.020.00
Spare parts								
	541.515.11	0.1mm spacer						
	541.516.11	0.3mm spacer						
	541.518.11	1.0mm spacer						

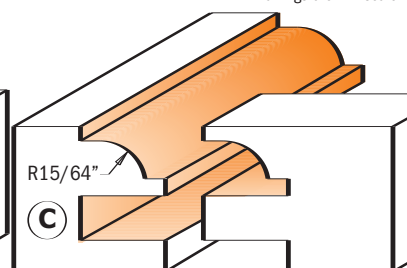
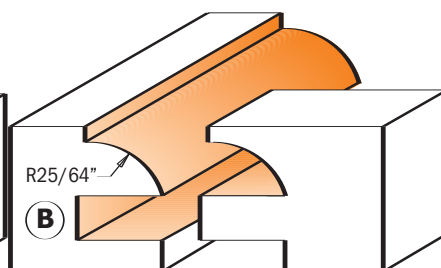
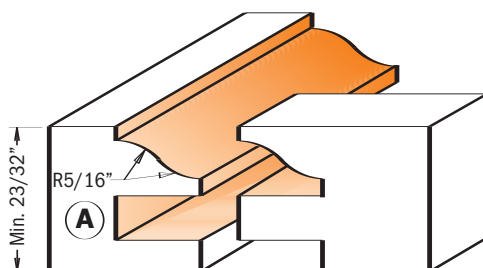
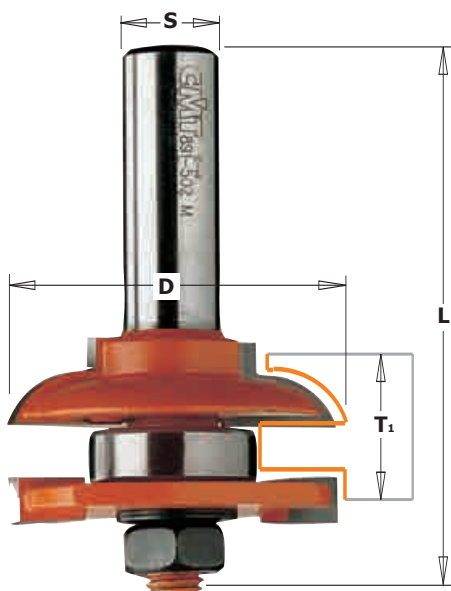
Rail & Stile Bits

CMT ORANGE TOOLS®

891.5
**CARBIDE
TIPPED**
Z2
RH


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 rout joints in hard or soft 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



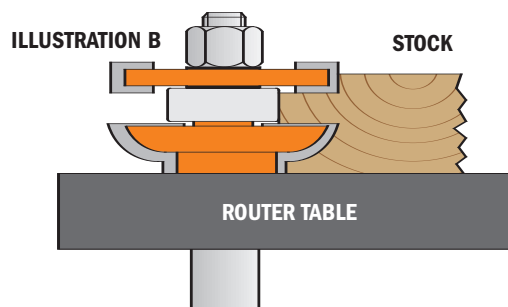
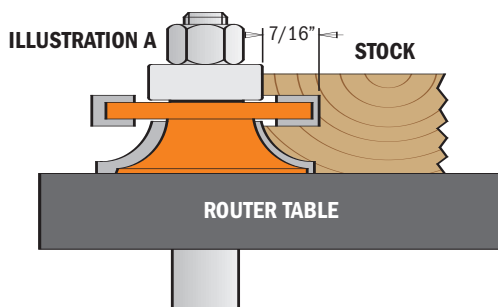
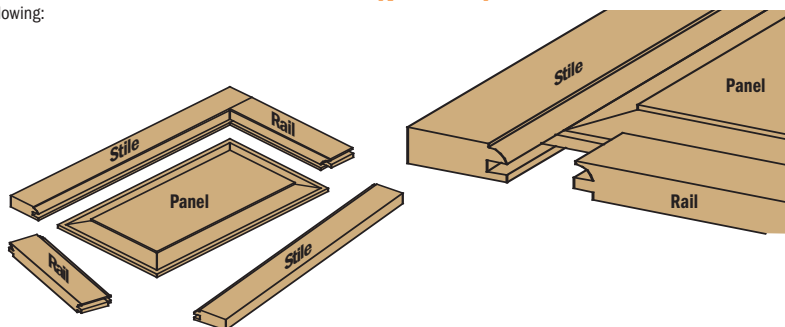
ORDER NO. 1/2" shank	D		T ₁ inches	L inches	Profile	Spare parts		
	inches	mm				Slot cutter	Bearing	Nut M8
891.501.11	1-3/4	44.4	23/32 - 7/8	2-51/64	A	822.003.11	791.012.00	990.020.00
891.502.11	1-3/4	44.4	23/32 - 7/8	2-51/64	B	822.003.11	791.012.00	990.020.00
891.503.11	1-3/4	44.4	23/32 - 7/8	2-51/64	C	822.003.11	791.012.00	990.020.00
Spare parts	541.515.11	0.1mm spacer	541.516.11	0.3mm spacer	541.517.11	0.5mm spacer		

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.



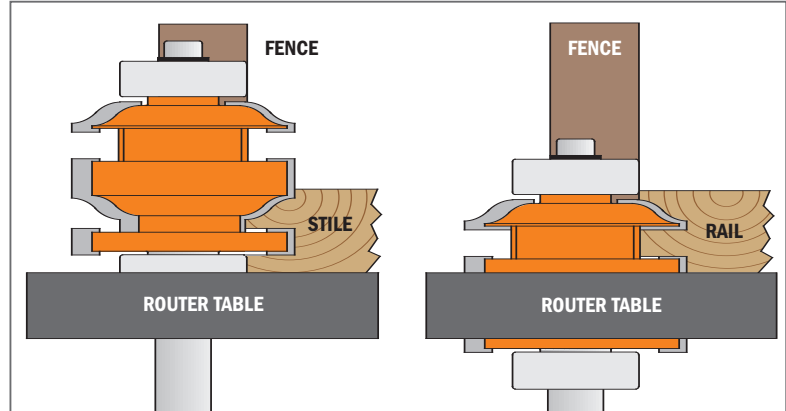
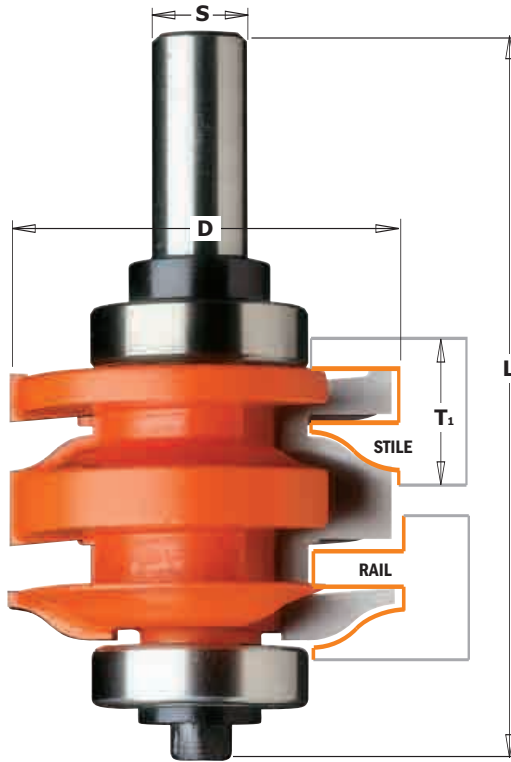
One Piece Rail & Stile Bit



891.521

The new CMT One-Piece Rail and Stile Bit represents the union of two cutters in one bit, and provides an innovative, efficient means to mill stiles and rails. By simply adjusting the height of the bit, you can cut two perfectly matched profiles with no wasted time moving the fence or changing the bit. Save money by investing in a single CMT bit and more efficient production. For working in stock from 11/16" to 7/8" thick.

Safety Precautions: Always unplug the router before making any adjustments to the bit. Use push blocks and featherboards to control the workpiece.



ORDER NO. 1/2" shank	D		T ₁	L	Spare parts			
	inches	mm			Bearing	Shield	Screw	Hex key
891.521.11	2	50.8	23/32 - 7/8	3-29/64	791.027.00	541.002.11	990.005.00	991.056.00
Spare parts								
541.551.11	Shield for bearing, M5 thread							
990.010.00	Screw for bearing, M5 thread							
991.064.00	4mm hex key for screw M5							

The ABC's of Panel Door Construction (part 2)

MILLING THE RAILS AND STILES

First, make trial cuts of the cope profile (rail) and the stick profile (stile) in scrap stock and check the accuracy of the joint. This is extremely important, 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:

$$12" - 4 \cdot 1/2" + 7/8" = 8 \cdot 3/8" \text{ rail length}$$

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.

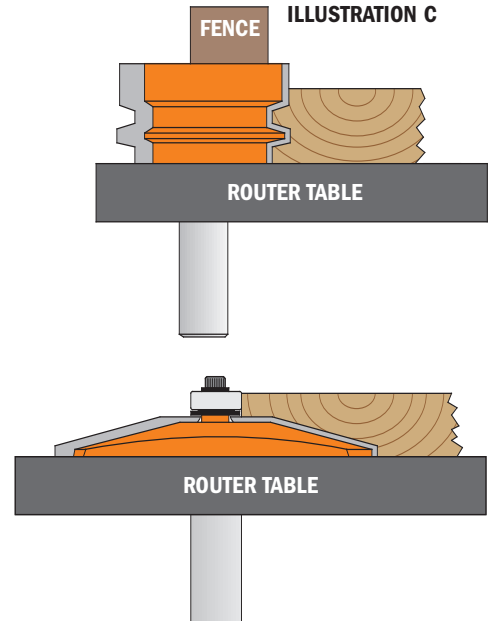
MILLING THE FLOATING PANEL

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: $(24 - 4 \cdot 1/2") + 5/8" = 20 \cdot 1/8"$ 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.



Stile & Panel Router Bits

CMT ORANGE
TOOLS®
CARBIDE
TIPPED

Z2

RH

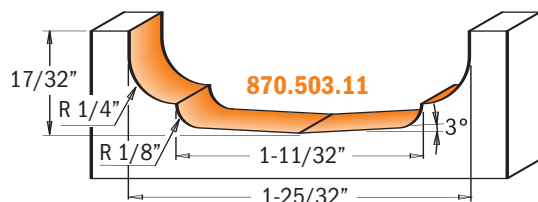
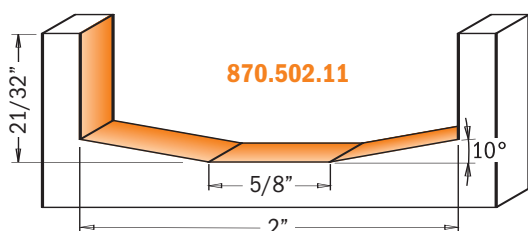
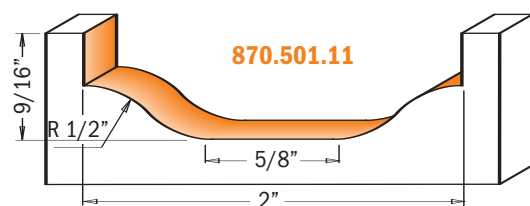
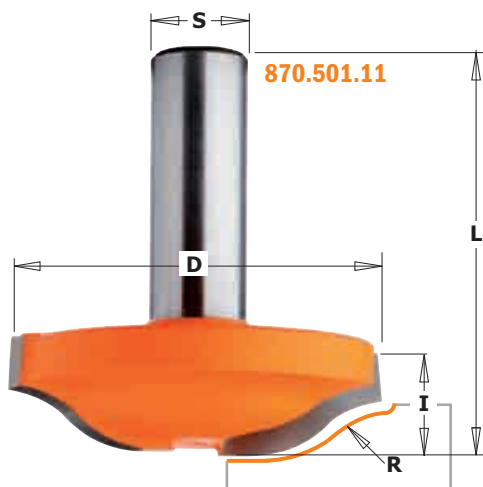


870

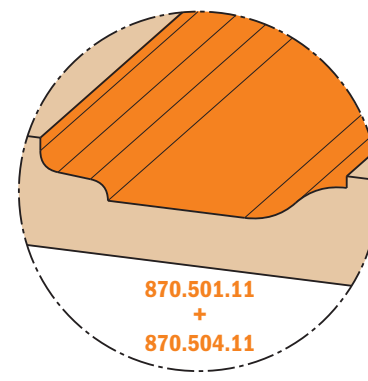
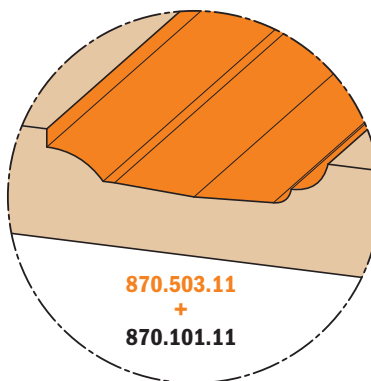
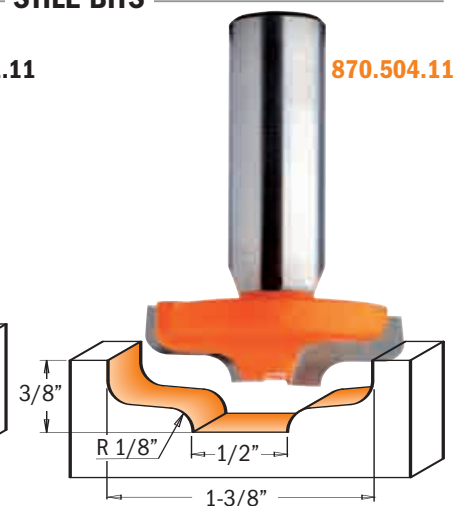
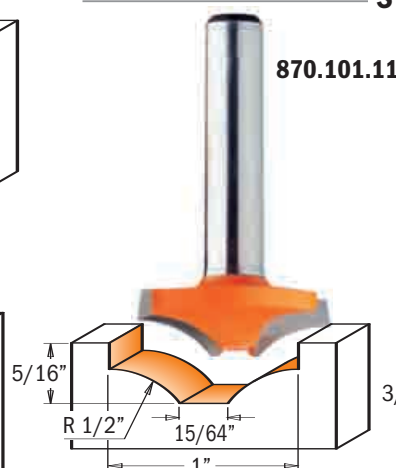
These bits can be used for decorative work on solid wood panels and MDF materials. Use them in one pass or in combination with CMT's MDF panel bits for complex and intricate profiles. A simple approach for an elegant appearance.

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



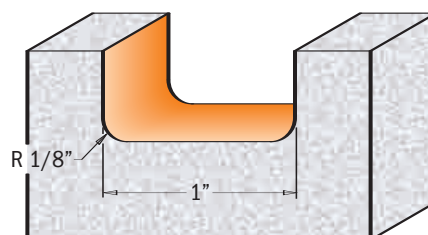
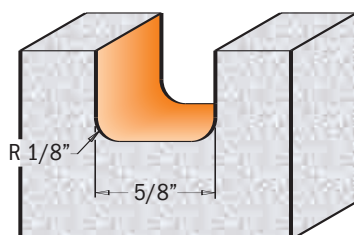
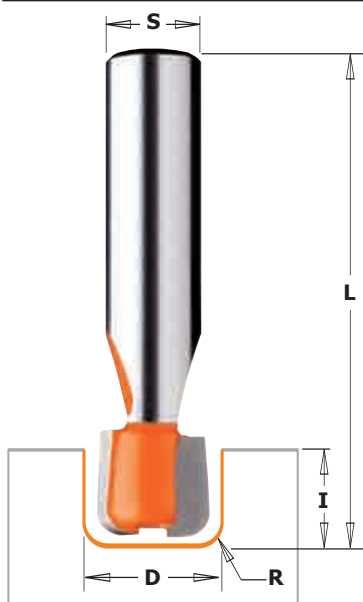
ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	D		d	I	R	A	L
		inches	mm	inches	inches	inches		inches
870.101.11		63/64	25	15/64	5/16	15/32		1-37/64
	870.501.11	2	50	5/8	9/16	15/32		2-1/16
	870.502.11	2	50	5/8	43/64		10°	2-11/64
	870.503.11	1-49/64	45	1-11/32	1/8-1/4		3°	2-3/64
	870.504.11	1-3/8	35	1/2	3/8	1/8		1-7/8

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	inches
881.511.11	5/8	15.87	1/2	1/8	2-1/2
881.512.11	1	25.4	1/2	1/8	2-3/4

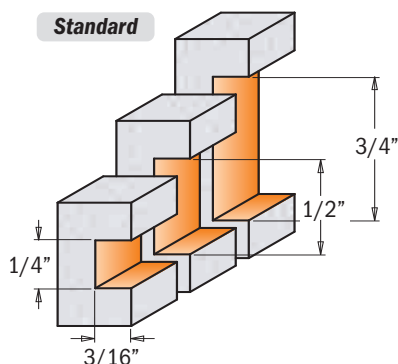
Solid Surface - Inlay Bits

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.

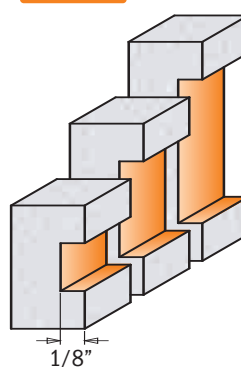


Standard

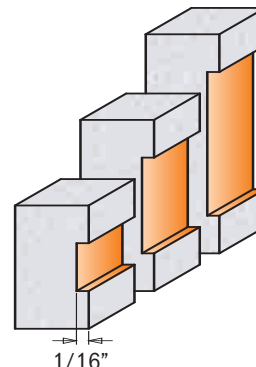


Drawings are 1:1 scale

Optional



optional with
bearing 791.045.00



optional with
bearing 791.046.00

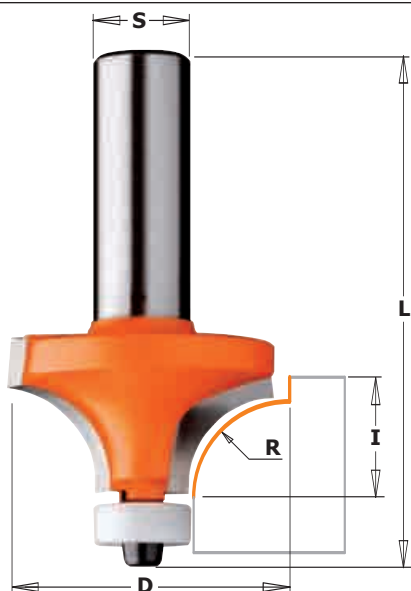
ORDER NO. 1/2" shank	D		I	H	L	Spare parts		
	inches	mm	inches	inches	inches	Bearing	Screw	Hex key
880.511.11	7/8	22.2	1/4	3/16	3-1/32	791.044.00	990.058.00	991.057.00
880.512.11	7/8	22.2	1/2	3/16	3-35/64	791.044.00	990.058.00	991.057.00
880.513.11	7/8	22.2	3/4	3/16	3-35/64	791.044.00	990.058.00	991.057.00

Solid Surface Rounding Over Bits

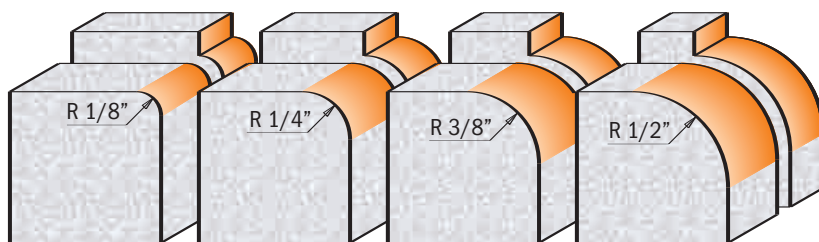
CMT ORANGE TOOLS®
CARBIDE
TIPPED

Z2

RH


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.

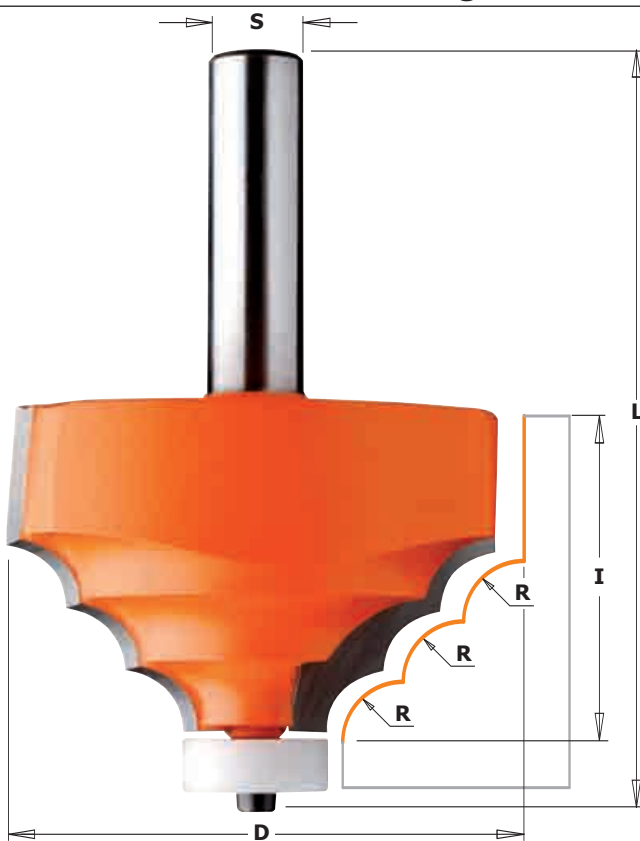


Drawings are 1:1 scale

Spare parts

ORDER NO. 1/2" shank	D		I	R	L	Spare parts		
	inches	mm				Bearing	Screw	hex key
880.501.11	3/4	19.05	1/2	1/8	2-11/32	791.044.00	990.058.00	991.057.00
880.502.11	1	25.4	1/2	1/4	2-11/32	791.044.00	990.058.00	991.057.00
880.503.11	1-1/4	31.75	9/16	3/8	2-25/64	791.044.00	990.058.00	991.057.00
880.504.11	1-1/2	38.1	3/4	1/2	2-19/32	791.044.00	990.058.00	991.057.00

Solid Surface Decorative Edge Profile Bit

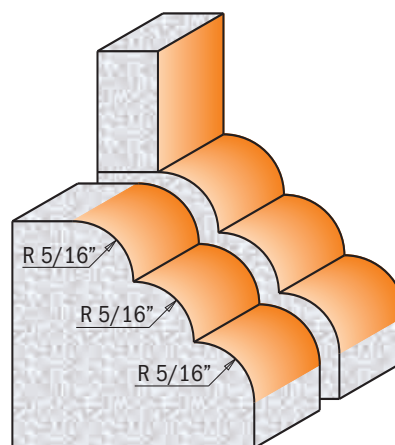

880.521
CARBIDE
TIPPED

Z2

RH



Create elegant countertops with flawless results. Features a non-marring Delrin® bearing to protect the finished edges. For use on hand-held portable routers.

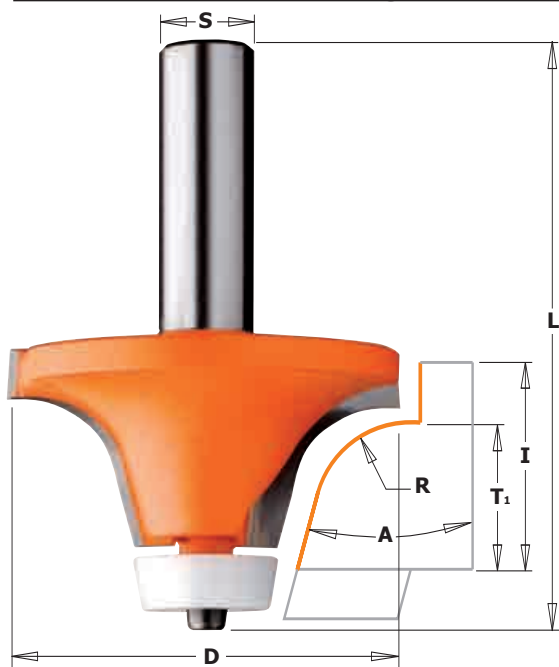


Drawings are 1:1 scale

Spare parts

ORDER NO. 1/2" shank	D		I	R	L	Spare parts		
	inches	mm				Bearing	Screw	Hex key
880.521.11	2-5/8	66.7	1-5/8	5/16	3-35/64	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.

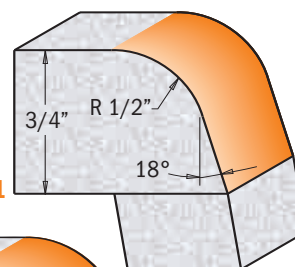
Features a non-marring Delrin® bearing to protect the finished edges.

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.

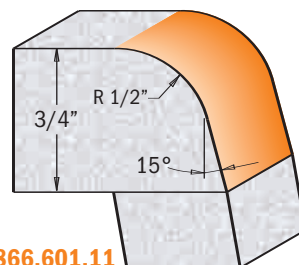
Perfect for kitchen and bathroom counter top work.



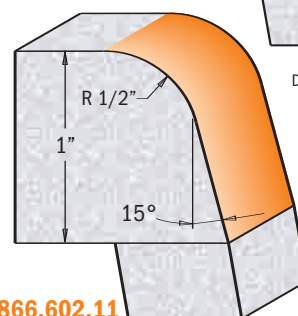
880.541.11



Drawings are 1:1 scale



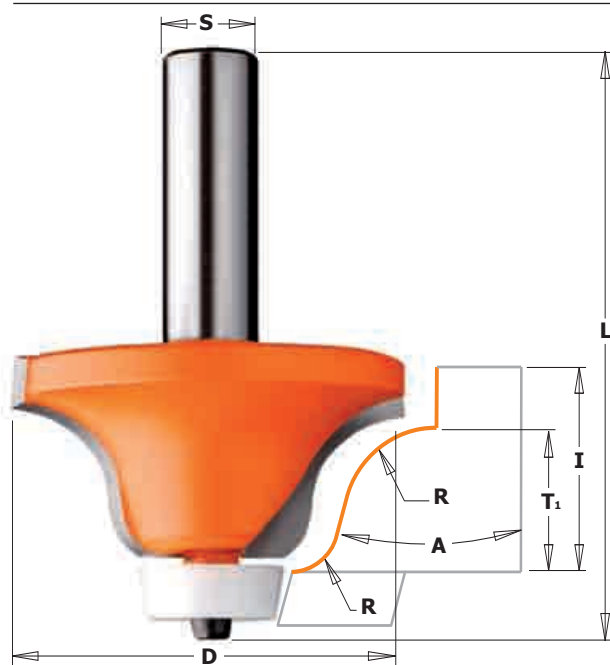
866.601.11



866.602.11

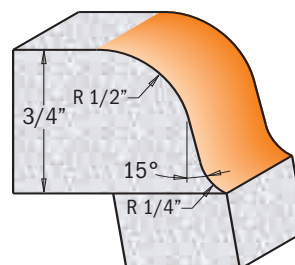
ORDER NO. 1/2" shank	D		T ₁	I	R	A	L	Spare parts		
	inches	mm	inches	inches	inches		inches	Bearing	Screw	Hex key
866.601.11	2	50.8	3/4	1	1/2	15°	2-61/64	791.041.00	990.058.00	991.057.00
866.602.11	2	50.8	1	1-1/4	1/2	15°	3-13/64	791.041.00	990.058.00	991.057.00
880.541.11	2-1/8	54	3/4	1	1/2	18°	3-5/64	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.



Drawings are 1:1 scale

ORDER NO. 1/2" shank	D		T ₁	I	R	A	L	Spare parts		
	inches	mm	inches	inches	inches		inches	Bearing	Screw	Hex key
880.542.11	2-1/8	54	3/4	1	1/4 - 1/2	15°	2-61/64	791.041.00	990.058.00	991.057.00

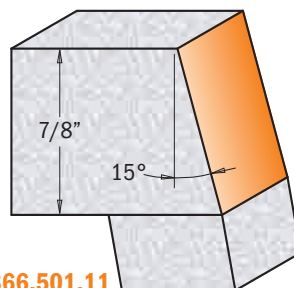
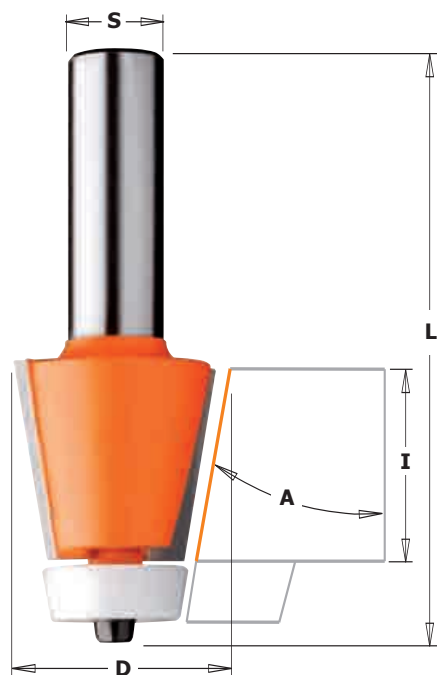
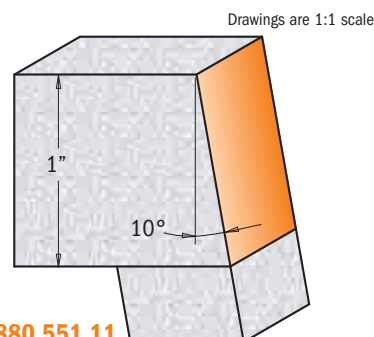
Solid Surface Bevel Bowl Bits

CMT ORANGE TOOLS®

866.501 - 880.551

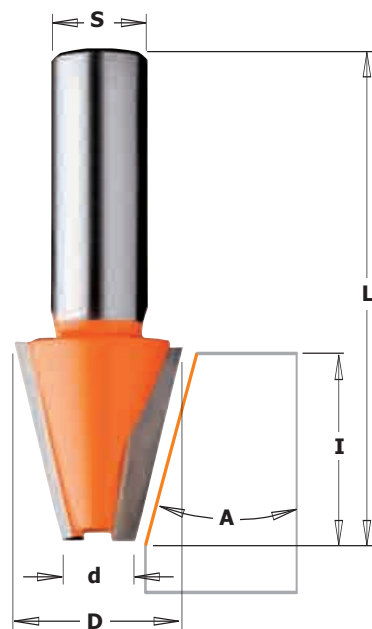

These bits are designed for undermount applications joining the countertops and sink bowls with a 10 (degree) beveled edge. Can be used with the 880.541.11 and 880.542.11 for complete undermount applications. For use on hand-held routers. Features a non-marring Delrin(r) bearing to protect the finished 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.

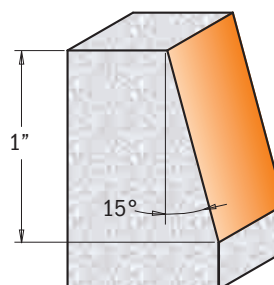

866.501.11

880.551.11

ORDER NO. 1/2" shank	D		I	A	L	Spare parts		
	inches	mm				Bearing	Screw	Hex key
866.501.11	1-1/4	50.8	7/8	15°	2-27/32	791.041.00	990.058.00	991.057.00
880.551.11	1-1/8	28.5	1	10°	3-1/32	791.041.00	990.058.00	991.057.00

Solid Surface Bevel Bit


881.521


Edge profile bit designed to create a 15° bevel on solid surface countertops. Can also be used for European type topmount installation with sinks and bowls. For use on hand-held portable routers.

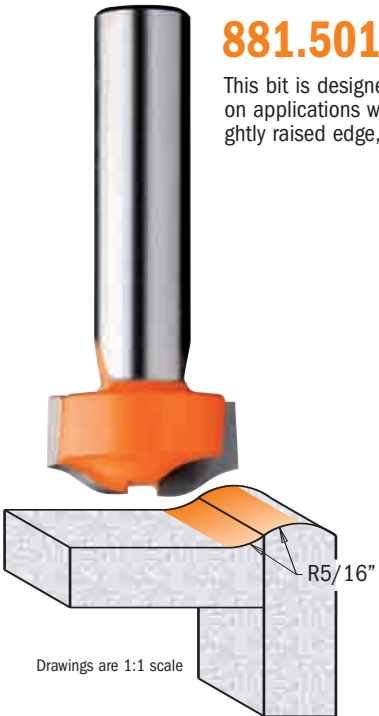


Drawings are 1:1 scale

ORDER NO. 1/2" shank	D		d	I	A	L
	inches	mm	inches	inches		inches
881.521.11	29/32	23	3/8	1	15°	2-1/2

Solid Surface No-Drip Bits

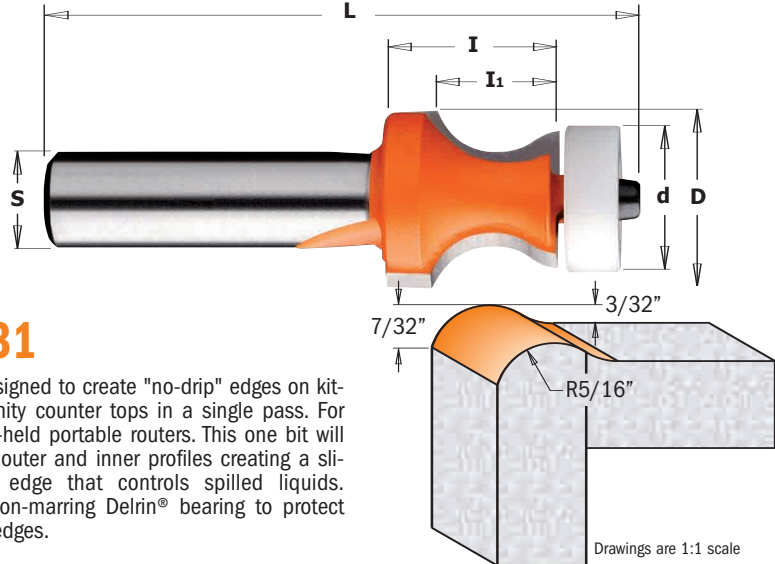
CMT ORANGE TOOLS®



Drawings are 1:1 scale

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.



Drawings are 1:1 scale

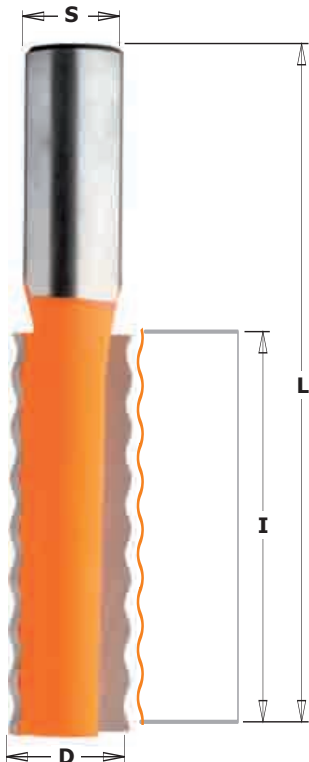
880.531

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.

ORDER NO. 1/2" shank	D		d	I	I ₁	R	L	Spare parts		
	inches	mm						Bearing	Screw	Hex key
881.501.11	1	25.4		1/2	1/8	5/16	2-1/2			
880.531.11	1	25.4	3/4	7/8	5/8	5/16	3-1/32	791.046.00	990.058.00	991.057.00

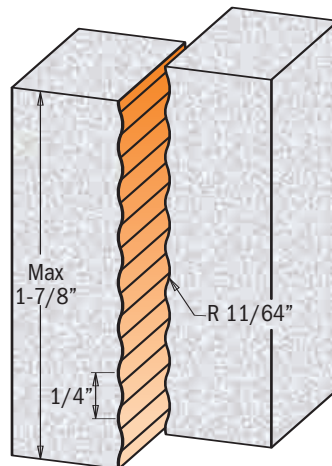
Wavy Joint Bits for Solid Surface

new

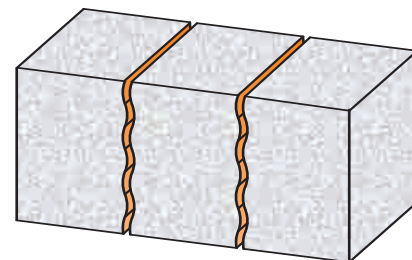


881.531

These bits are ideal for making strong joints on any solid surface, thanks to a wider area for glue.

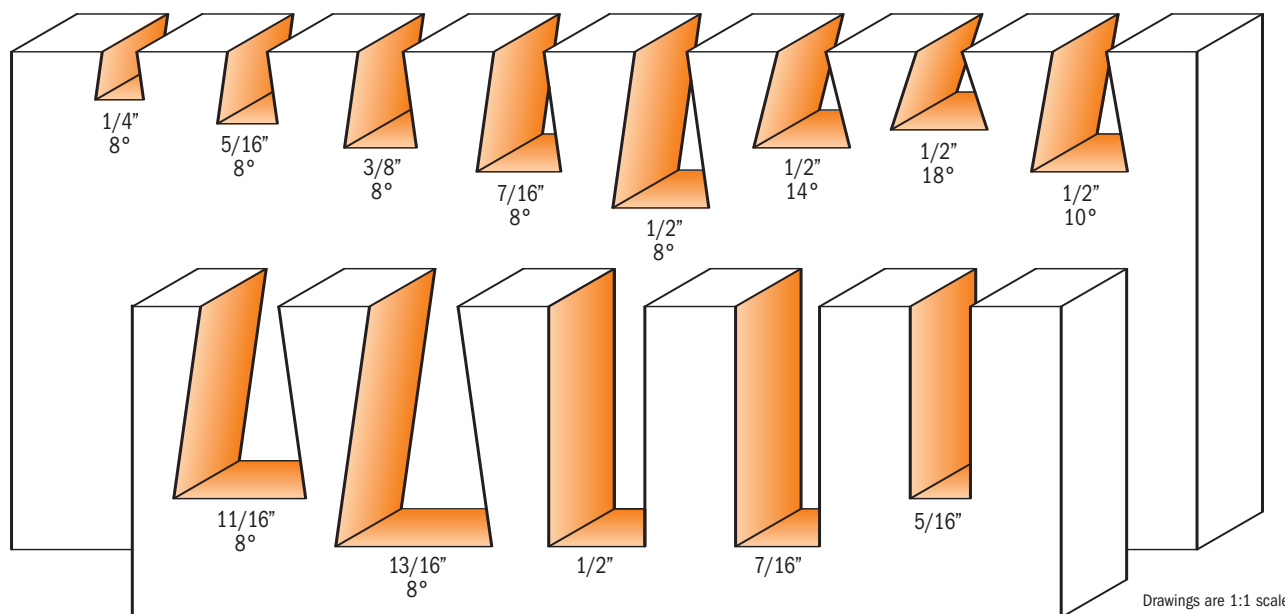
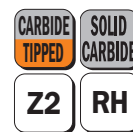


Drawings are 1:1 scale



ORDER NO. 1/2" shank	D		I	R	L
	inches	mm			
881.531.11	5/8	15.87	2-1/32	11/64	3-1/2

13 piece Dovetail & Straight Router Bit Set



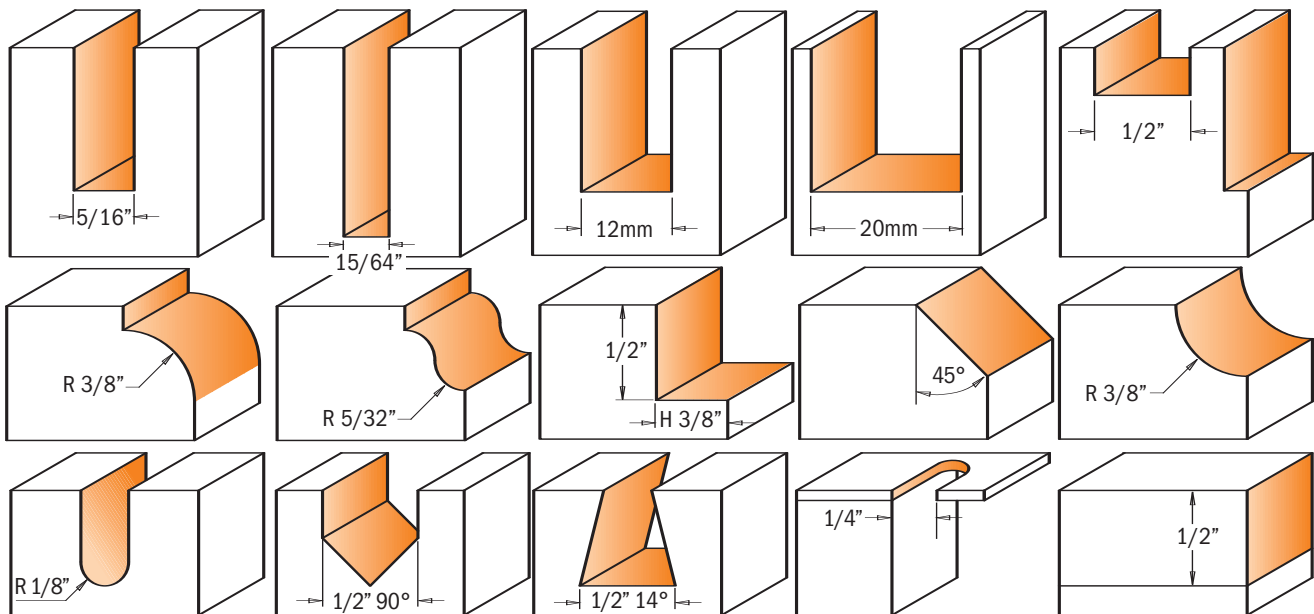
Drawings are 1:1 scale

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**

Set contains	ORDER NO. 1/4" shank	ORDER NO. 1/2" shank	A	D		I		L		Leight No.
				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	8	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	15.8	2-3/8	60.3	75
Dovetail bit	818.129.11		8°	1/2	12.7	13/16	20.6	2-3/4	69.8	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	15.8	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	8	1	25.4	2-13/16	71.4	140

15 piece Router Bits Set



Drawings are 1:1 scale

800.001.00 15 piece Router Bit Set 1/4" shank

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	8	3/4	19			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			2	50.8			
Straight bit	811.200.11		20	3/4	19			2	50.8			
Mortising bit	801.127.11	1/2	12.7	3/4	19			2-9/64	54.3			
Roundover bit	838.317.11	1-1/4	31.7	9/16	14	3/8	9.5	2-13/64	56			
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					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	2-9/64	54.3			
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			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



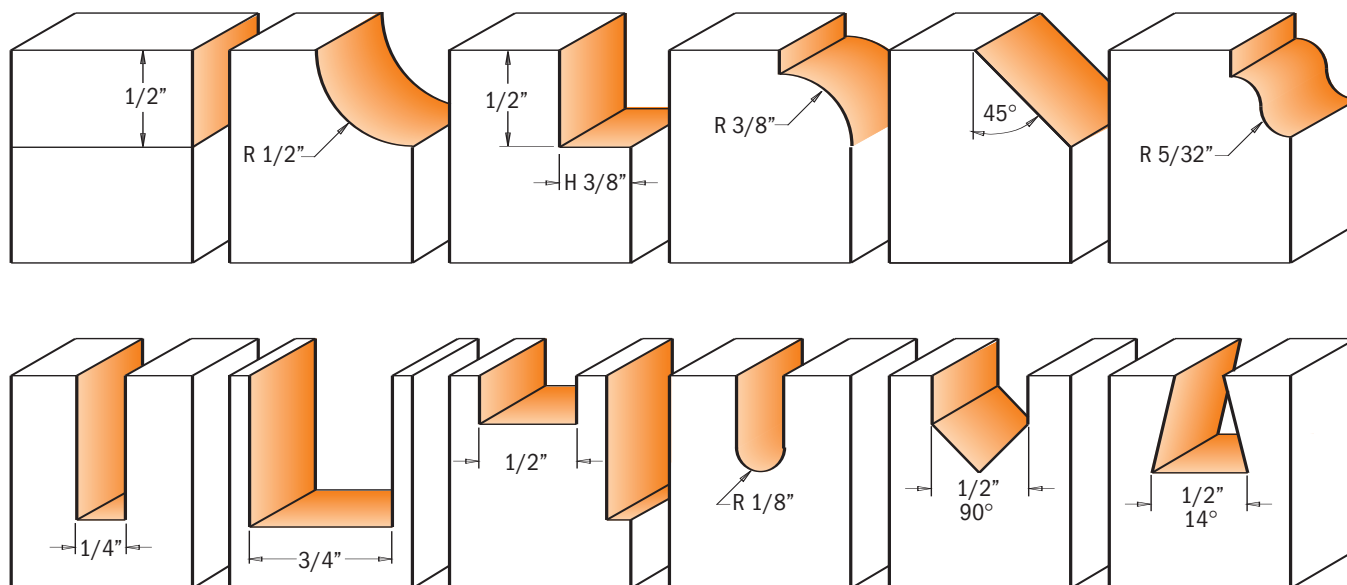
U.S. PATENT No. 7,703,605 B2

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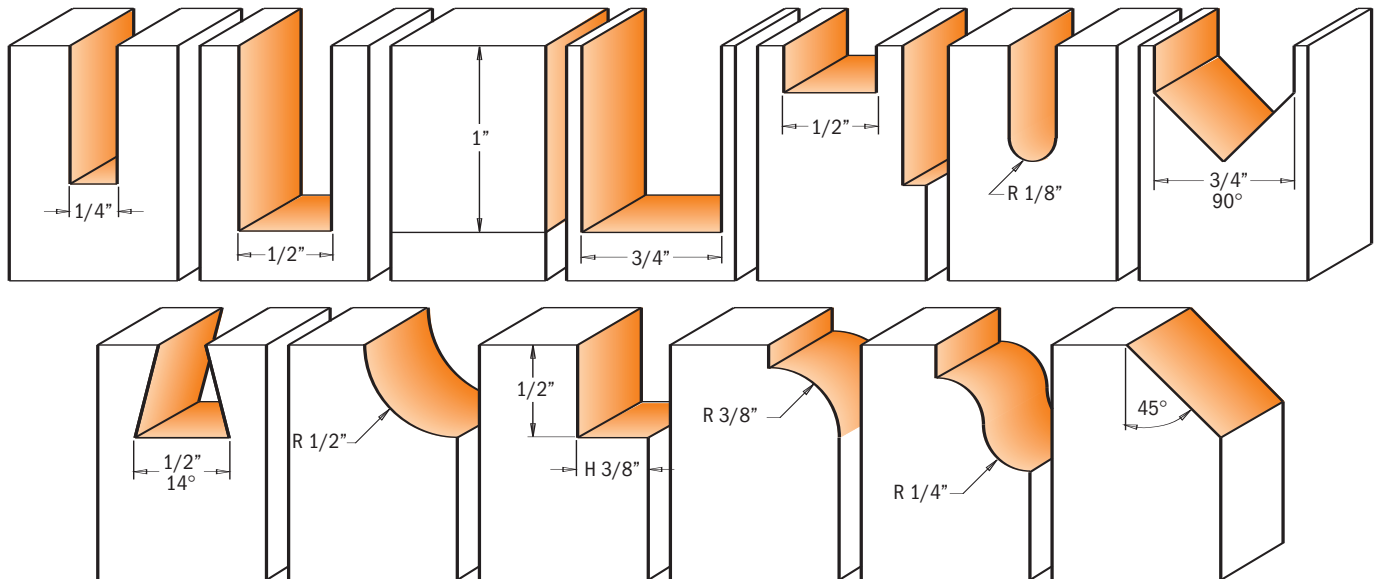


Drawings are 1:1 scale

800.503.11 12 piece Router Bit Set 1/4" shank

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					3/8	9.5	
Roundover bit	838.317.11	1-1/4	31.7	9/16	14	3/8	9.5	2-13/64	55.9			
Chamfer bit	836.420.11	1-3/4	45	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			2-1/4	57.1			
Straight bit	811.191.11	3/4	19	3/4	19			2-1/4	57.1			
Mortising bit	801.127.11	1/2	12.7	3/4	19			2-9/64	54.3			
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



800.505.11 13 piece Router Bit Set 1/2" shank

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			2-51/64	71			
Straight bit	811.690.11	3/4	19	1	25.4			2-1/2	63.5			
Mortising bit	801.627.11	1/2	12.7	3/4	19			2-9/64	54.3			
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			2-5/16	58.7	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	19.05	23/32	18.2			2-5/8	66.6			45°

6 piece Router Bit Set

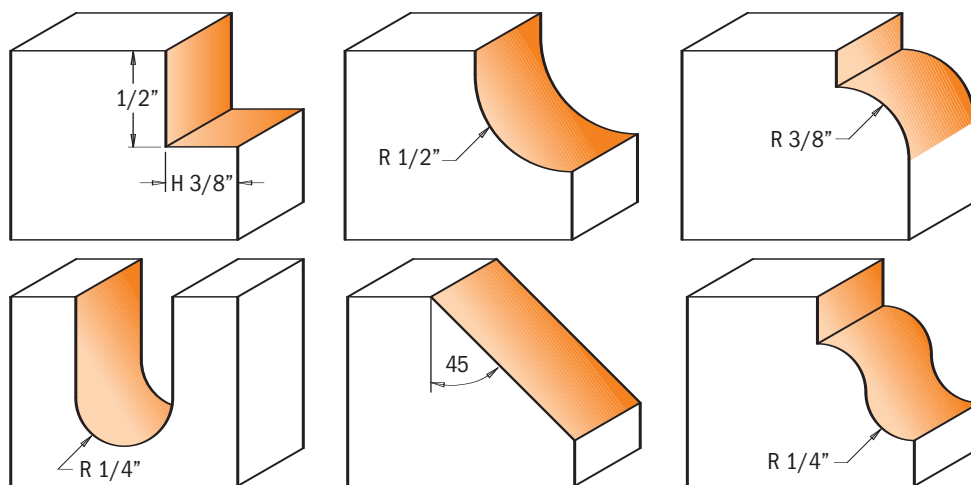
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U.S. PATENT No. 7,703,605 B2

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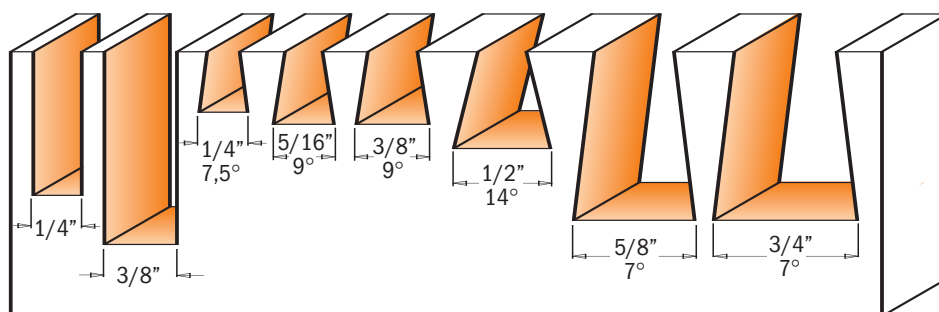
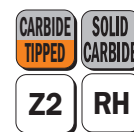
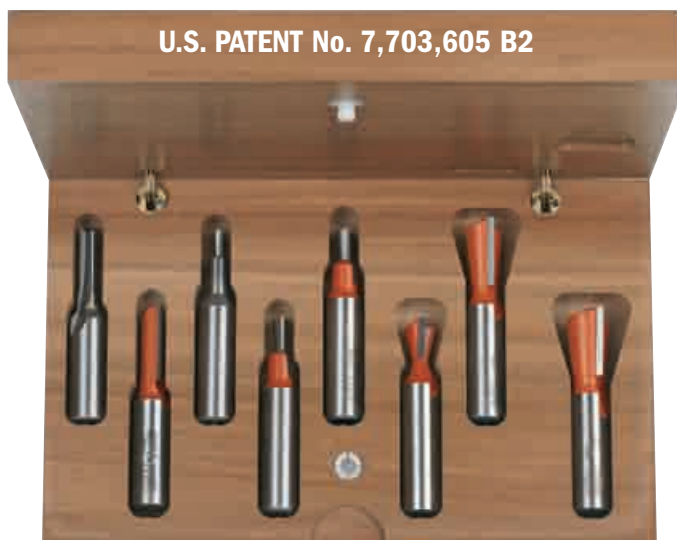


Drawings are 1:1 scale

800.504.11 6 piece Router Bit Set $1/2"$ shank

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			2-27/64	61.5	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	19.05	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 Set



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

Set contains	ORDER NO. 1/4" shank	A	D inches mm	I inches mm	L inches mm	Incra Template
Straight bit	811.065.11		1/4 6.35	3/4 19	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 8	2-1/2 63.5	Dove #8
Dovetail bit	818.080.11	9°	5/16 8	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	7/8 22.2	2-3/8 60.3	Dove #9

800.501.11 8 piece Dovetail & Straight Router Bit Set 1/2" shank

Set contains	ORDER NO. 1/2" shank	A	D inches mm	I inches mm	L inches mm	Incra Template
Straight bit	811.564.11		1/4 6.35	3/4 19	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 8	2-1/2 63.5	Dove #8
Dovetail bit	818.580.11	9°	5/16 8	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	7/8 22.2	2-5/8 66.6	Dove #9

Tenon Cutting Router Bit

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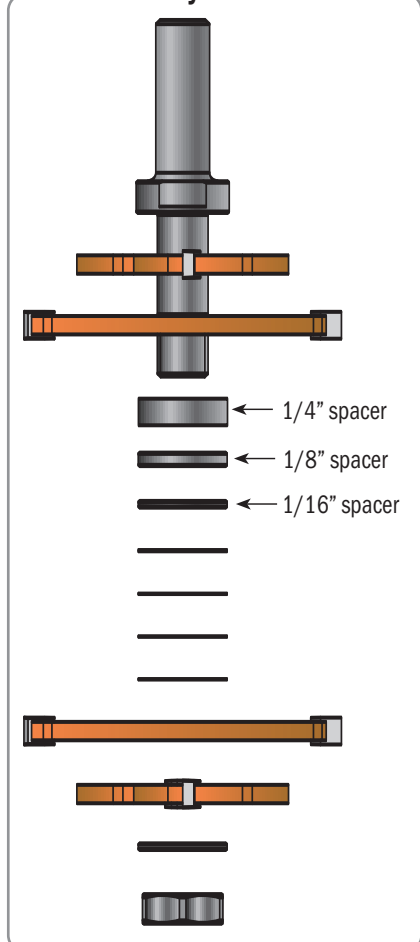
PATENT PENDING
U.S. PATENT No. 7,703,605 B2
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Cut perfectly fitting tenons, every time.

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-in. to 3/8-in. thick, up to 1-1/16-in. long. This simple-to-use router bit takes the mystery out of achieving the excellent tenon-to-mortise fit required for high quality joinery.

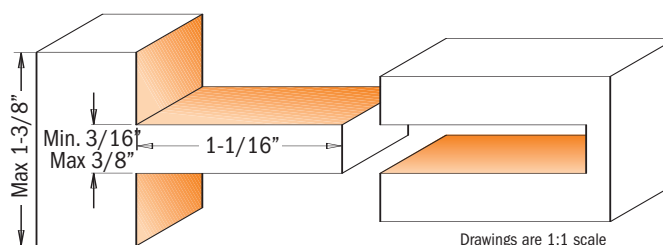
Safety Precautions: Maximum speed: 12,000 rpm.
Router table only.

Assembly illustration



Tenon Cutting	No. Spacer		
	1/4"	1/8"	1/16"
3/16"	1	0	0
1/4"	1	0	1
5/16"	1	1	0
3/8"	1	1	1

DVD video and Instruction Manual are included!



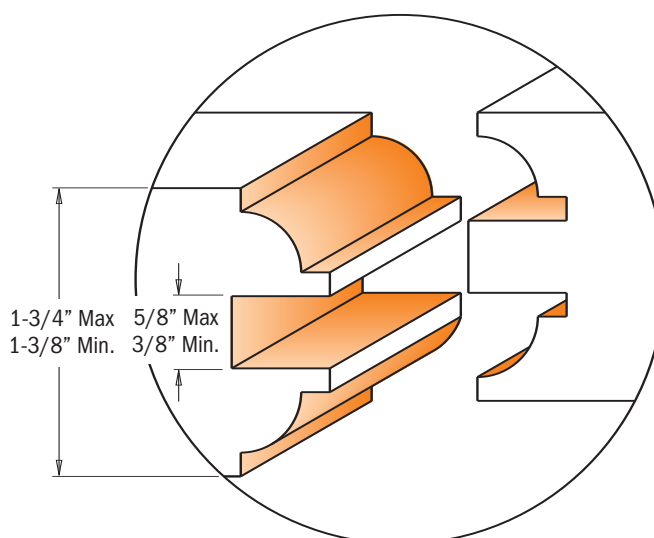
800.627.11 Tenon Cutting Router Bit Set **1/2" shank**

ORDER NO. 1/2" shank	I inches	I mm	D inches	H inches	L inches
800.627.11	1-3/8	34.9	2-61/64	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

Entry & Interior Door Router Bit Set

CMT ORANGE TOOLS®

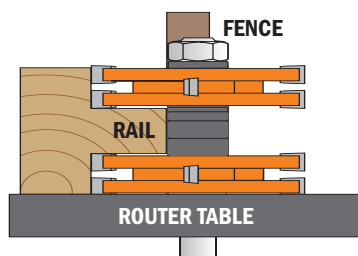


The new CMT three-piece set simplifies door construction, making it easy as 1, 2, 3! It is not the only advantage in fact this is a multi functional set for door makers and furniture makers building entry doors, passage doors and any furniture tenons. The included tenon cutter produces a beefy 1-1/16" long tenon. Coupled with the cope cutter, you can produce long and strong tenons with minimum set up. As an extra bonus the tenon cutter can be used for furniture making work that requires any tenon from 3/16" to 5/8" thick.

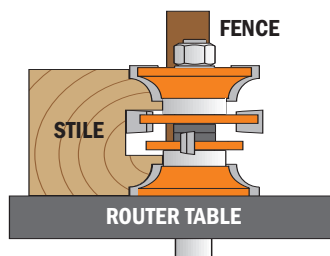


DVD video and Instruction Manual are included!

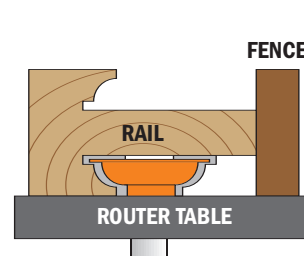
Entry & Interior door construction - Easy as 1, 2, 3!



Step 1. Cut the tenon in the rails



Step 2. Cut the groove and door profile in all the pieces.



Step 3. Undercut the tenons to cope the ends of the rails.

800.527.11 3 piece Entry & Interior Door Router Bit Set **1/2" shank**

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	1-3/8 to 1-3/4	4	101.6	
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

* Tenon cutting router bit 800.628.11 is a Patent Pending of C.M.T. Utensili S.p.A.

3 piece Tongue & Groove Cabinetmaking Set

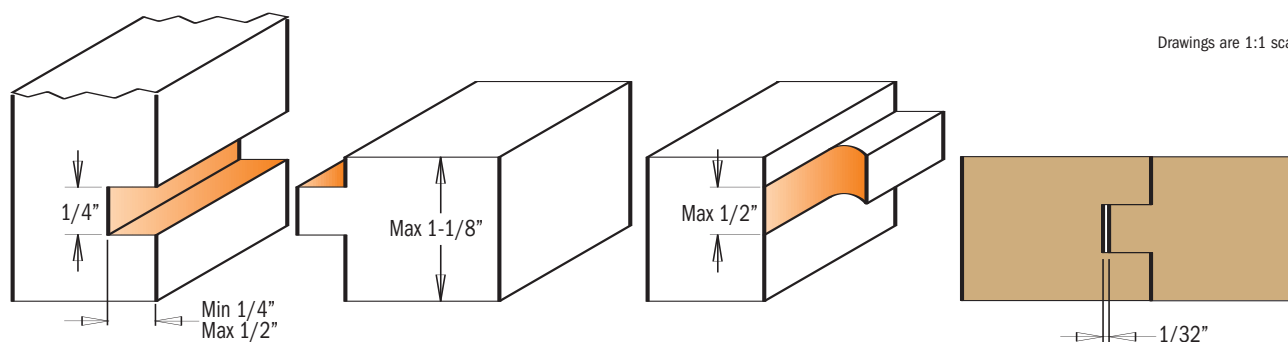


CMT has developed a tongue and groove cabinet making system that derives from the superior traditional European methods of joinery. Combine the CMT tongue and groove system with the ease and speed of new world pocket hole methods and you have the versatility to build single cabinets or entire kitchens!!

The CMT Tongue and Groove Set includes a matched set that produce 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 allowing for more drilling area when used in conjunction with the CMT Pocket Pro when employing 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 joining cabinets. When used in conjunction with the CMT Pocket Pro System you will be able to employ the best facets of traditional European joinery with new world methods for face frame joints and in completely concealed areas where bottoms, sides and dividers are attached to the face frame.

The original CMT Tongue and Groove Cabinet Making System is manufactured in Italy. You can be assured that you are buying original CMT products by analyzing the shank of CMT router bits. All genuine CMT bits have the words, "Made in Italy" laser etched into the shank.



800.526.11 3 piece Tongue & Groove Cabinetmaking Set 1/2" shank

Set contains	ORDER NO. 1/2" shank	D		I		L		T ₁	H
		inches	mm	inches	mm	inches	mm	inches	inches
Tongue & Groove bit	855.507.11	1-3/4	44.5	1-1/8	28.6			1/2 to 1-1/8	1/4 to 1/2
Flush trim bit	806.628.11	1/2	12.7	1/2	12.7	2-3/4	70		

Slot Cutter Set

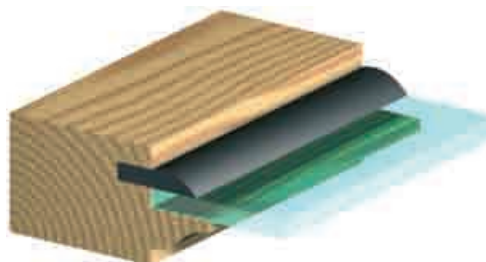


Create slots, grooves and rabbets in all materials using the adjustable CMT slot cutter set. See chart below for all applications and correct cutter combinations. Ideal for biscuit joints and milling perfect tongue and groove joints.

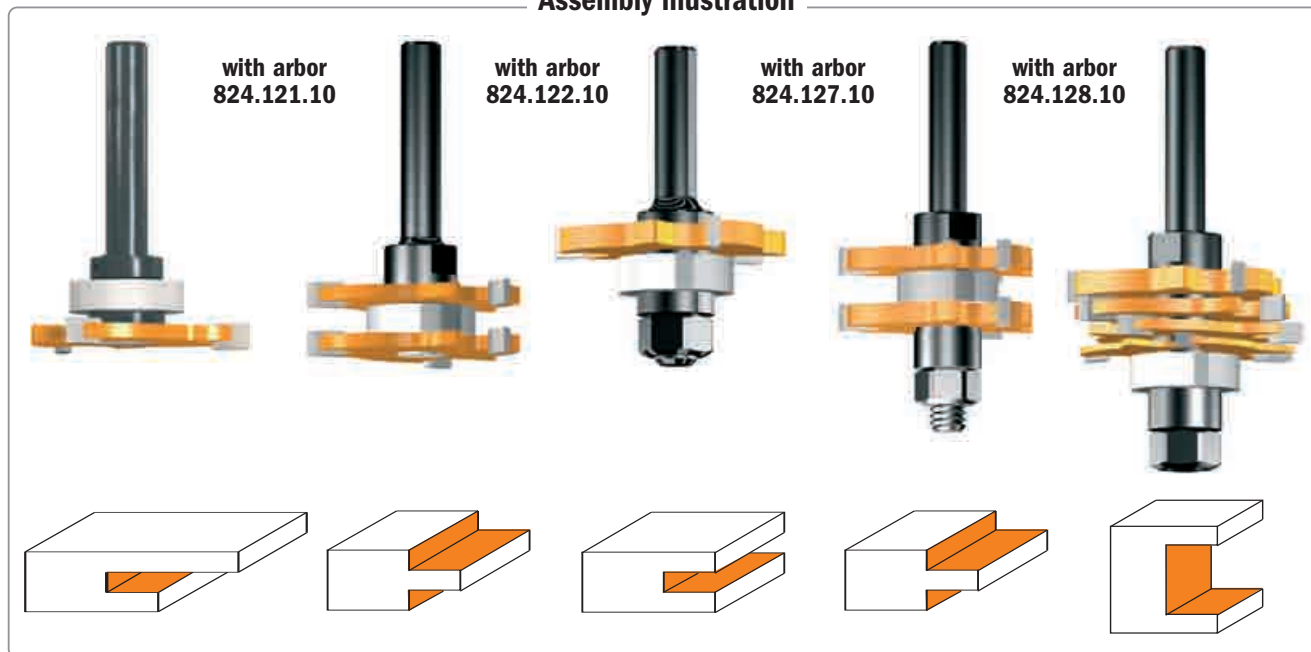
The set includes 4 different bearings which allow cutting depth of 5/16" - 3/8" - 1/2" and 9/16".

Safety tips: Never use the slot cutter set without shims between the cutters. The distance between the cutters can vary from 1mm to 1,7mm.

A shim must also be positioned between the ball bearing and the cutters.



Assembly illustration



823.001.11 Slot cutter Set

Set contains	Pieces	ORDER NO.	S inches	I inches mm	D inches mm	B mm
Slot cutter	1	822.316.11		1/16 1.58	1-7/8 47.6	8
Slot cutter with 45° bore	1	823.332.11		1/8 3.17	1-7/8 47.6	8
Slot cutter with 45° bore	1	823.340.11		5/32 3.96	1-7/8 47.6	8
Slot cutter	1	822.348.11		3/16 4.76	1-7/8 47.6	8
Slot cutter with 45° bore	3	823.364.11		1/4 6.35	1-7/8 47.6	8
Slot cutter arbor with bearing Ø1/2" - 7/8"	1	824.121.10	1/2			
Slot cutter arbor with bearing Ø5/16" - 7/8"	1	824.122.10	1/2			
Slot cutter arbor with bearing Ø5/16" - 7/8"	1	824.127.10	1/2			
Slot cutter arbor with bearing Ø5/16" - 7/8"	1	824.128.10	1/2			
Bearing	1	791.033.00			1-1/4 31.7	
Bearing	1	791.030.00			1-1/8 28.57	
Bearing	1	791.034.00			3/4 19.05	
Hex key 3mm	1	991.067.00				

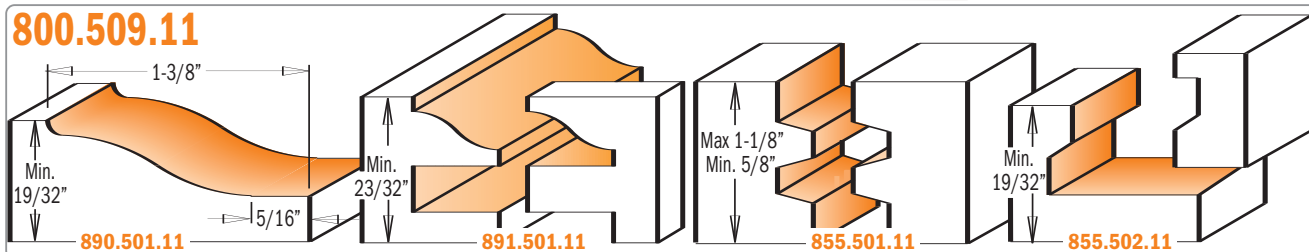
5 piece Complete Kitchen Sets

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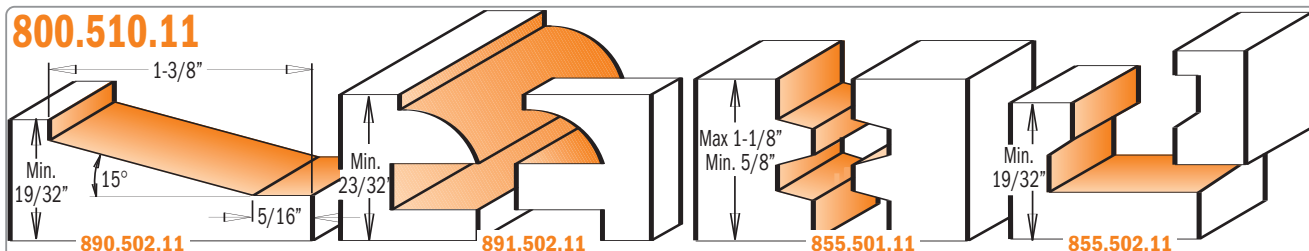
U.S. PATENT No. 7,703,605 B2



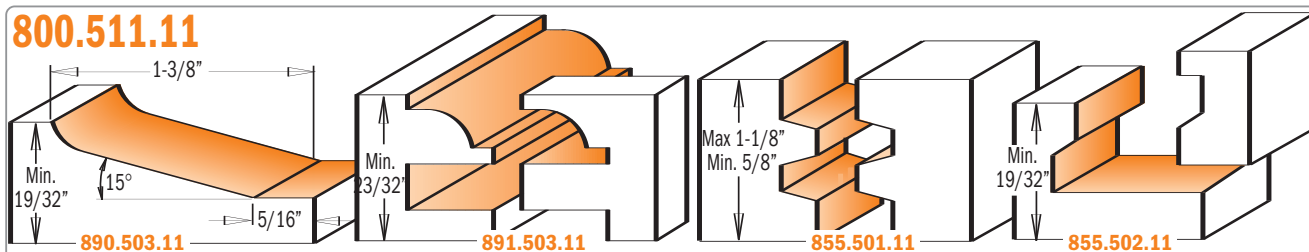
800.509.11



800.510.11



800.511.11



800.509.11 5 piece Ogee Complete Kitchen Set 1/2" shank

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	44.4			23/32 to 7/8	2-51/64	22mm
Reverse glue joint bit	855.501.11	1-3/4	44.4	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		2	

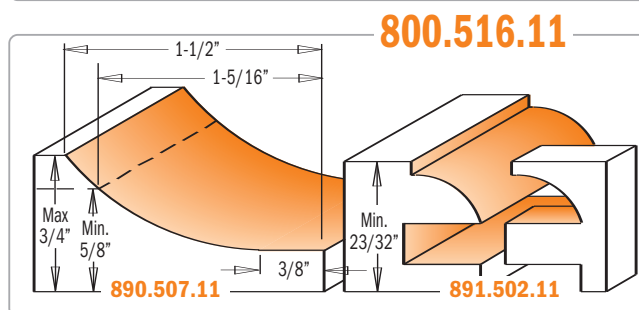
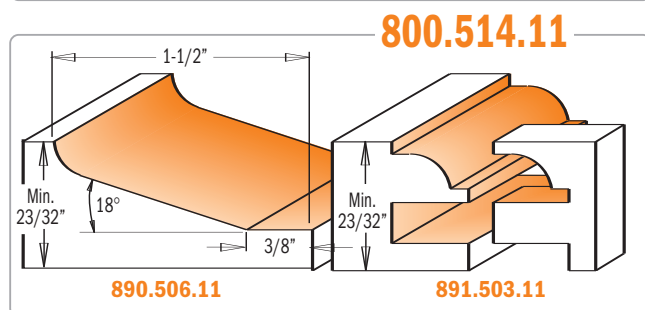
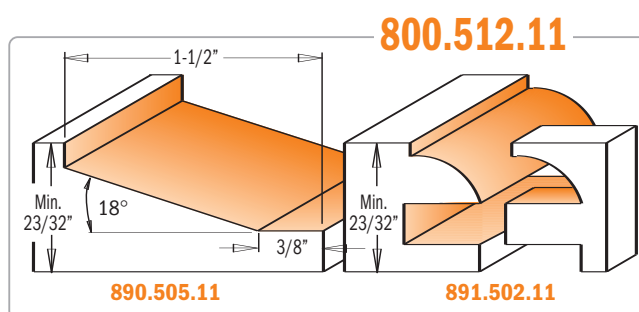
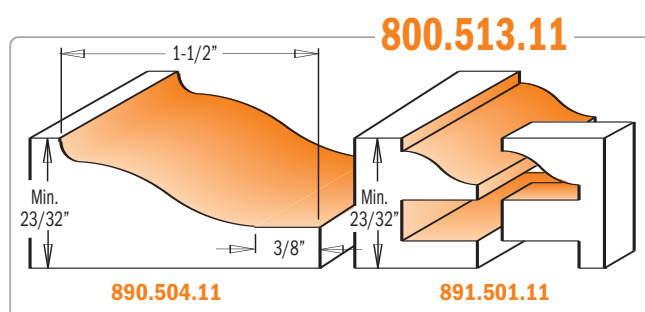
800.510.11 5 piece Standard Complete Kitchen Set 1/2" shank

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	44.4			23/32 to 7/8	2-51/64	22mm
Reverse glue joint bit	855.501.11	1-3/4	44.4	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		2	

800.511.11 5 piece Bevel & Radius Complete Kitchen Set 1/2" shank

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	2-1/2	1/2
Bevel & radius rail & stile bits	891.503.11	1-3/4	44.4			23/32 to 7/8	2-51/64	22mm
Reverse glue joint bit	855.501.11	1-3/4	44.4	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		2	

3 piece Kitchen Sets



800.513.11 Ogee Kitchen Set 1/2" shank

Set contains	ORDER NO. 1/2" shank	D		I		T ₁	L	LB
		inches	mm	inches	mm	inches	inches	inches
Ogee raised panel bit	890.504.11	3-1/4	82.5	19/32	15	23/32 to 25/32	2-1/2	1/2
Ogee rail & stile bits	891.501.11	1-3/4	44.4			23/32 to 7/8	2-51/64	22mm

800.512.11 Standard Kitchen Set 1/2" shank

Set contains	ORDER NO. 1/2" shank	D		I		T ₁	L	LB
		inches	mm	inches	mm	inches	inches	inches
Standard raised panel bit	890.505.11	3-1/2	88.9	19/32	15	23/32 to 25/32	2-1/2	1/2
Standard rail & stile bits	891.502.11	1-3/4	44.4			23/32 to 7/8	2-51/64	22mm

800.514.11 Standard Kitchen Set 1/2" shank

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	890.506.11	3-1/2	88.9	19/32	15	23/32 to 25/32	2-1/2	1/2
Bevel & radius rail & stile bits	891.503.11	1-3/4	44.4			23/32 to 7/8	2-51/64	22mm

800.516.11 Standard Kitchen Set 1/2" shank

Set contains	ORDER NO. 1/2" shank	D		I		T ₁	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	2-1/2	1/2
Standard rail & stile bits	891.502.11	1-3/4	44.4			23/32 to 7/8	2-51/64	22mm

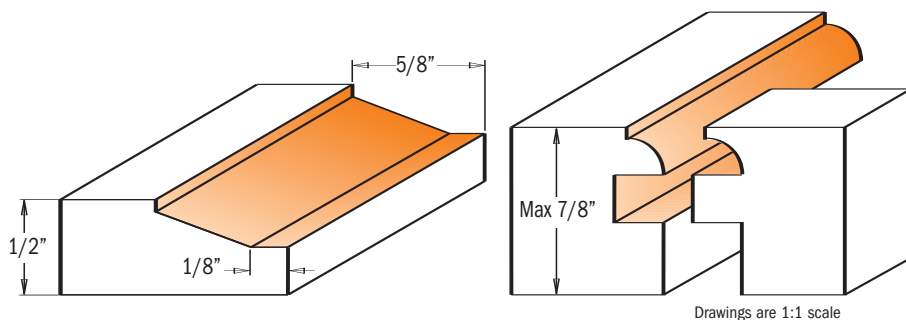
3 piece Lonnie Bird's Small Arch Door Set

CMT ORANGE TOOLS®


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.



800.524.11 3 piece Lonnie Bird's Small Arch Door Set **1/2" shank**

Set contains	ORDER NO. 1/2" shank	D		I		T ₁	L		LB
		inches	mm	inches	mm	inches	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	2-19/64	58.1	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

6 piece Cabinetmaking Sets



Saw Blades

Router Bits

Router Bits
Sets

Jigs
& Accessories

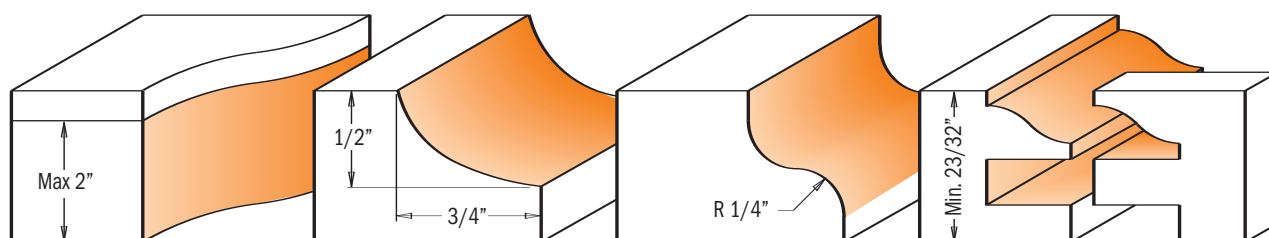
CNC Router Bits
& Chucks

Dowel Drills

Boring Bits

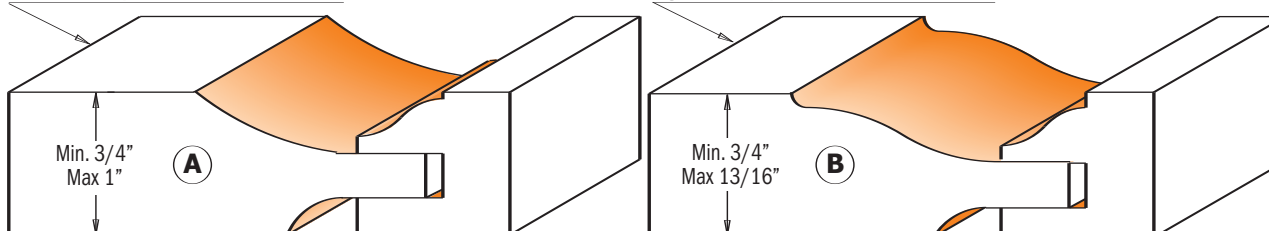
Cutter Heads
& Knives

Spare Parts



Cove raised panel bit in 800.515.11

Ogee raised panel bit in 800.520.11



Drawings are 1:1 scale

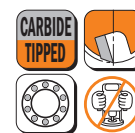
800.515.11 6 piece Cove Cabinemaking Set 1/2" shank Profile A

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	3-1/16	1-1/4 & 16mm
Ogee rail & stile bits	891.501.11	1-3/4	44.4	7/8	22.2	5/16	8	2-3/4	7/8
Super duty flush trim bit	806.690.11	3/4	19.05	2	50.8			4-1/8	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

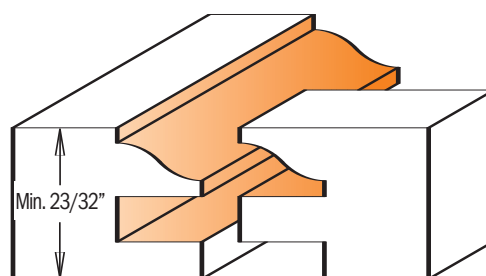
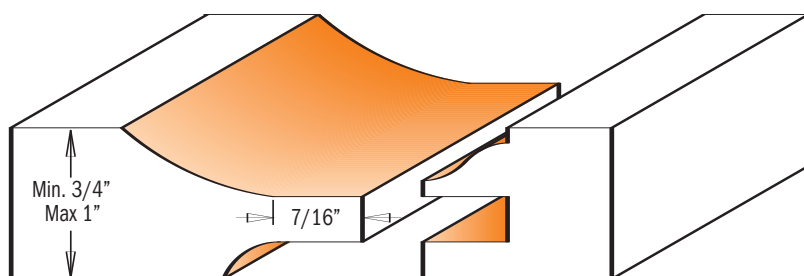
800.520.11 6 piece Ogee Cabinemaking Set 1/2" shank Profile B

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	3-1/16	1-1/4 & 16mm
Ogee rail & stile bits	891.501.11	1-3/4	44.4	7/8	22.2	5/16	8	2-3/4	7/8
Super duty flush trim bit	806.690.11	3/4	19.05	2	50.8			4-1/8	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

3 Piece Raise Panel Sets with Back cutter

CMT ORANGE TOOLS®


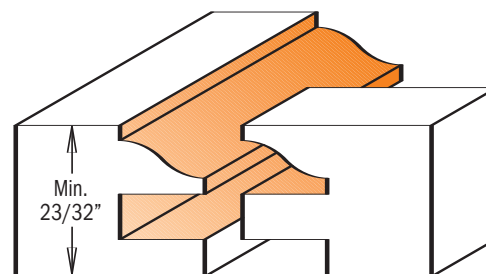
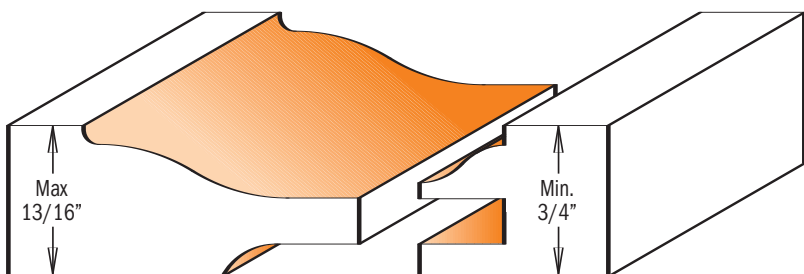
If your project calls for top quality raised panel doors, milled with accuracy and efficiency, then this set is a great choice. The ogee rail and stile bits are made to exact specifications to match perfectly, and the stile cutter is designed with a shear angle to produce superior cuts with minimal splintering. 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.



Drawings are 1:1 scale

800.517.11 3 piece Cove Raised Panel Set 1/2" shank

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	3-1/16	1-1/4 & 16mm
Ogee rail & stile bits	891.501.11	1-3/4	44.4	7/8	22.2	5/16	8	2-3/4	7/8



Drawings are 1:1 scale

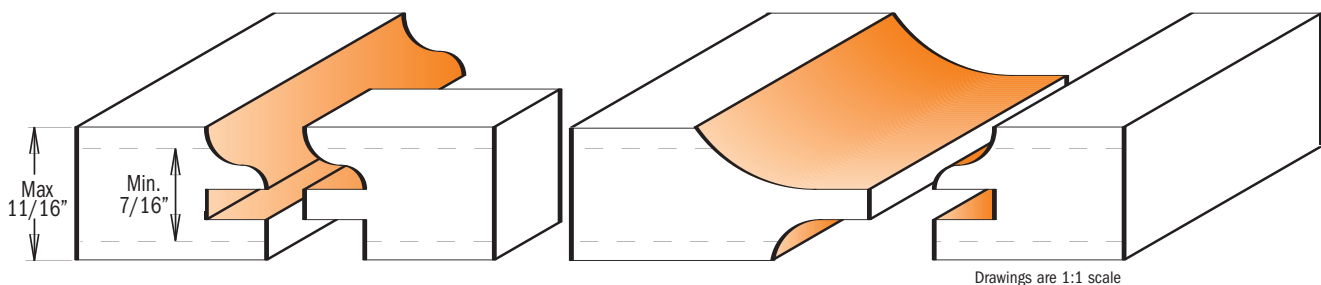
800.521.11 3 piece Ogee Raised Panel Set 1/2" shank

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	3-1/16	1-1/4 & 16mm
Ogee rail & stile bits	891.501.11	1-3/4	44.4	7/8	22.2	5/16	8	2-3/4	7/8

3 Piece Junior Raised Panel Sets with Back cutter



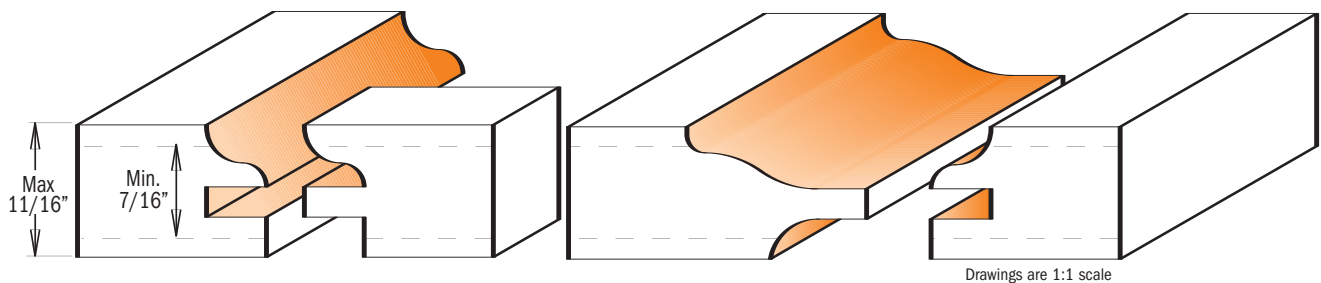
CMT's Junior Raised Panel Sets add intricate detail on a whole new scale! The Junior Raised Panel Set lets you make frame and panel details as small as 2-3/4" square in material as thin as 7/16". Delicate panel doors are only the beginning - use these bits with templates to add interesting arches to your work. The set includes your choice of a Cove or Ogee Raised Panel Bit and an Ogee Rail & Stile pair. Packaged in a beautiful hardwood case.



Drawings are 1:1 scale

800.518.11 3 piece Cove Junior Raised Panel Set 1/2" shank

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	2-49/64	16
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	16



Drawings are 1:1 scale

800.522.11 3 piece Ogee Junior Raised Panel Set 1/2" shank

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	2-49/64	16
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	16

Building Arched Raised Panel Doors

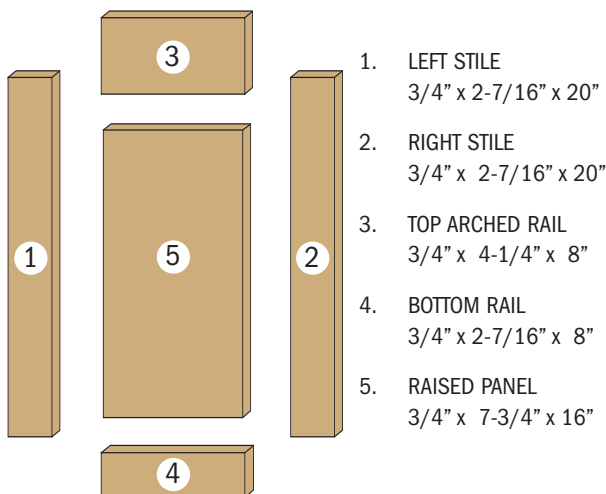
STEP 1. MAKING A SAMPLE DOOR

- This sample door size is 12" wide by 20" long.
- The door thickness should be 3/4" - 7/8"

STEP 2. DETERMINING THE SIZES OF EACH PART OF THE DOOR

- Always use a 1/2" overlay on all sides of the door.
- 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

- Always cut stiles 2-7/16" wide.
- Length of stiles is same as door length.

3. TOP ARCHED RAIL

- Cut 4-1/4" wide. Templates are 4" wide.
- 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

- Always cut 2-7/16" wide.
- 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

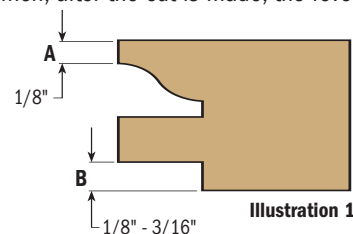
- Width is always 1/4" less than rail length.
(1/8" space should be left on each side for expansion of panel)
- Rail length is 8" minus 1/4" = 7-3/4" width of raised panel.
- Length of raised panel is found by taking the overall door-length and again subtracting 4".
(Overall door length is 20" minus 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 time 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

- Cope cutter is the cutter with the bearing in the middle
- Set the cope cutter to the correct height in the router.
 - The correct height is when, after the cut is made, the reveal on the front side should be 1/8" minimum (Illustration 1)
 - Spaces A and B shown should be equal. If one is to be bigger, make B thicker for strength of panel.
- Set fence even with bearing.
- Use wooden pushblock to prevent tearout at end of cope cut.
- Run stock through with good side down at 14,000-16,000 RPMs.

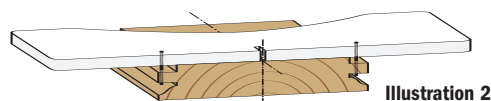


STEP 4. USING RAIL TEMPLATE TO FLUSH TRIM TOP RAIL TO CORRECT SHAPE

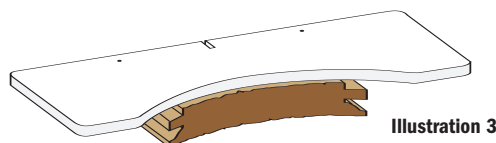
- Locate center of top rail with pencil on the back side.
- Pick out the correct template.

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.

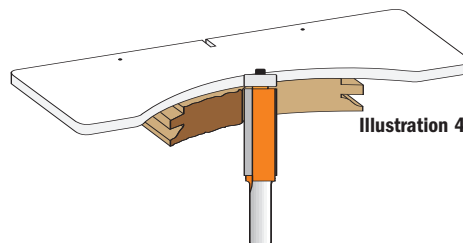
- Line up template on back side of rail centering the notch of template with center line of rail. Now nail through the template into the 2 copes that were just cut (Illustration 2).



- Rough cut with jig or band saw within 1/8" or 1/4" of template (Illustration 3).



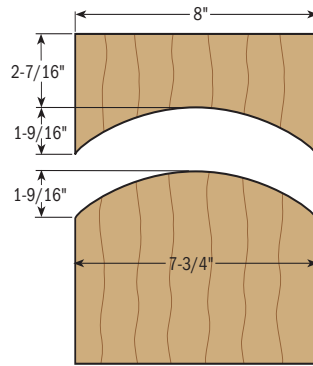
- Put flush trimming bit into router and set so bearing is flush with template (Illustration 4).



- 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*).

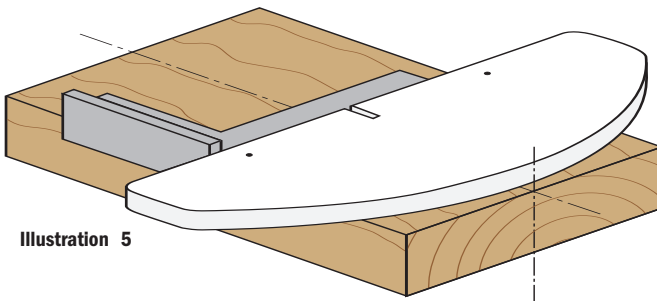


Illustration 5

NOTE: DRIVE NAILS IN ABOUT 1/4"-3/8". THE NAIL HOLES WILL BE MACHINED OUT WHEN RAISED PANEL CUT IS MADE.

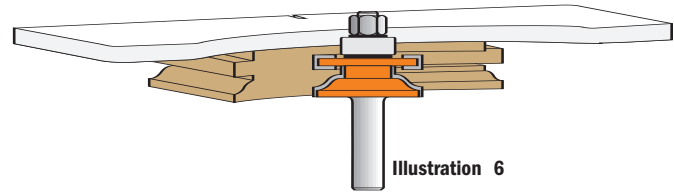
- Rough cut stock to within 1/8" - 1/4" of template.
- Flush trim raised panel in the same manner as you did the top rail with the template on top (*Back to illustration 4*).

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.



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

- A) Insert panel cutter to correct height.

NOTE: IT MAY TAKE A COUPLE OF PRACTICE CUTS IN SCRAP WOOD BEFORE GETTING THE PANEL FLUSH WITH PATTERN CUT.

- 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.

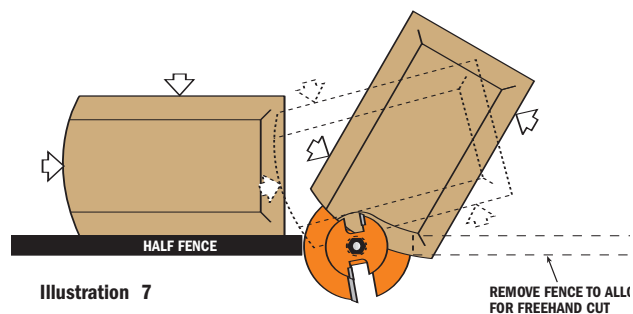
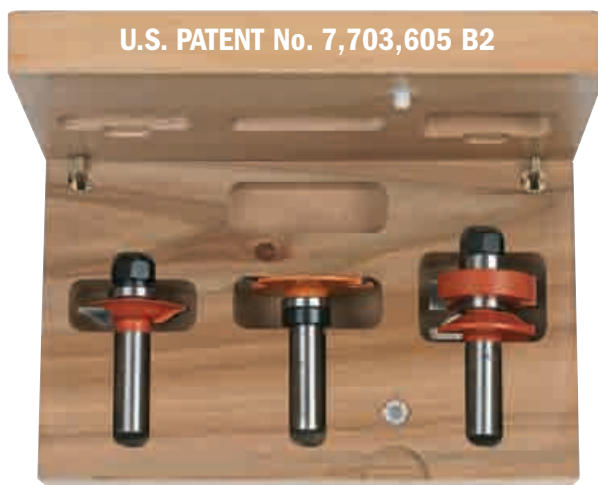
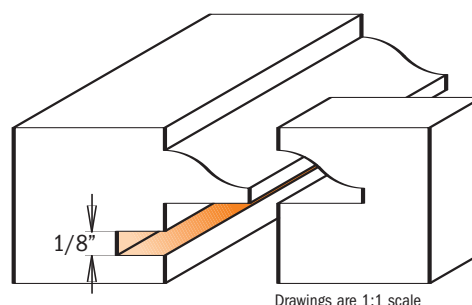
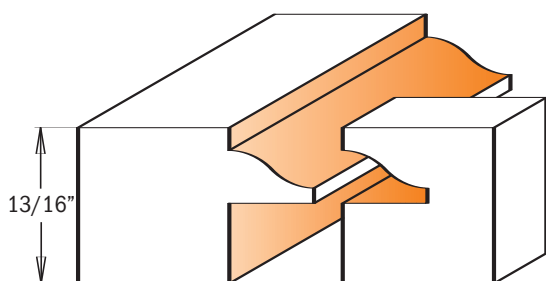


Illustration 7

3 piece Glass Panel Set

CMT ORANGE
TOOLS®


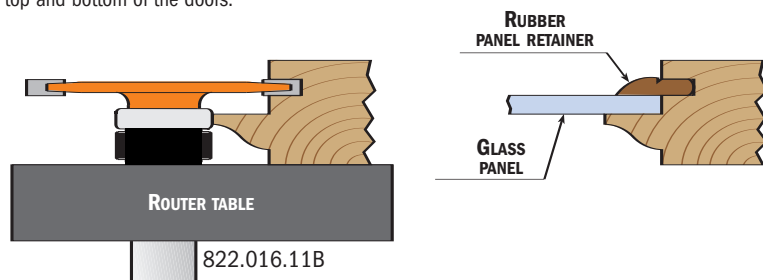
CMT's unique stile and rail set allows you to produce glass panel doors utilizing a rubber panel retainer to secure the glass in a 1/8" slot cut into the frames. These 1/2" shank bits work the same as our other stile and rail sets, but leave you with a square rabbet on the inside of your door for installing the glass panel.



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.



Glass Panel Retainers

Order No. **GLAS/RTBRN** 25' roll

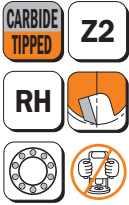


Our unique retainer strips fit perfectly in the 1/8" slot created by the slot cutter bit, and hold your glass securely in the frame. Sold in 25' lengths.

855.803.11 3 piece Glass Panel Set 1/2" shank

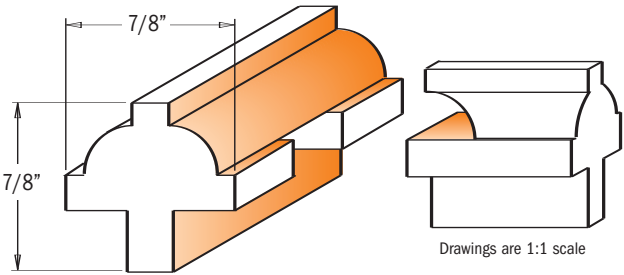
Set contains	ORDER NO. 1/2" shank	D		I		R		L	LB
		inches	mm	inches	mm	inches	mm	inches	inches
Ogee Rail & Stile Set	855.803.11MF	1-5/8	41.2	13/16	20.6	5/16	8	3-1/32	3/4
1/8" Slot Cutter	822.016.11B	2-1/8	53.9	1/8	3.17			2-13/64	3/4

3 piece Lonnie Bird's 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.



800.525.11 3 piece Lonnie Bird's Divided Light Door Set 1/2" shank

Set contains	ORDER NO. 1/2" shank	D		I		R		L		H		LB inches
		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	3/8	9.5	3/8
Rail & Stile bits	855.802.11	1-1/4	31.7	1/2	12.7	1/4	6.35	2-13/32	61.1			1/2 & 3/4

7 piece Lonnie Bird's Crown Molding Set

CMT ORANGE
TOOLS®
CARBIDE
TIPPED

Z2

RH

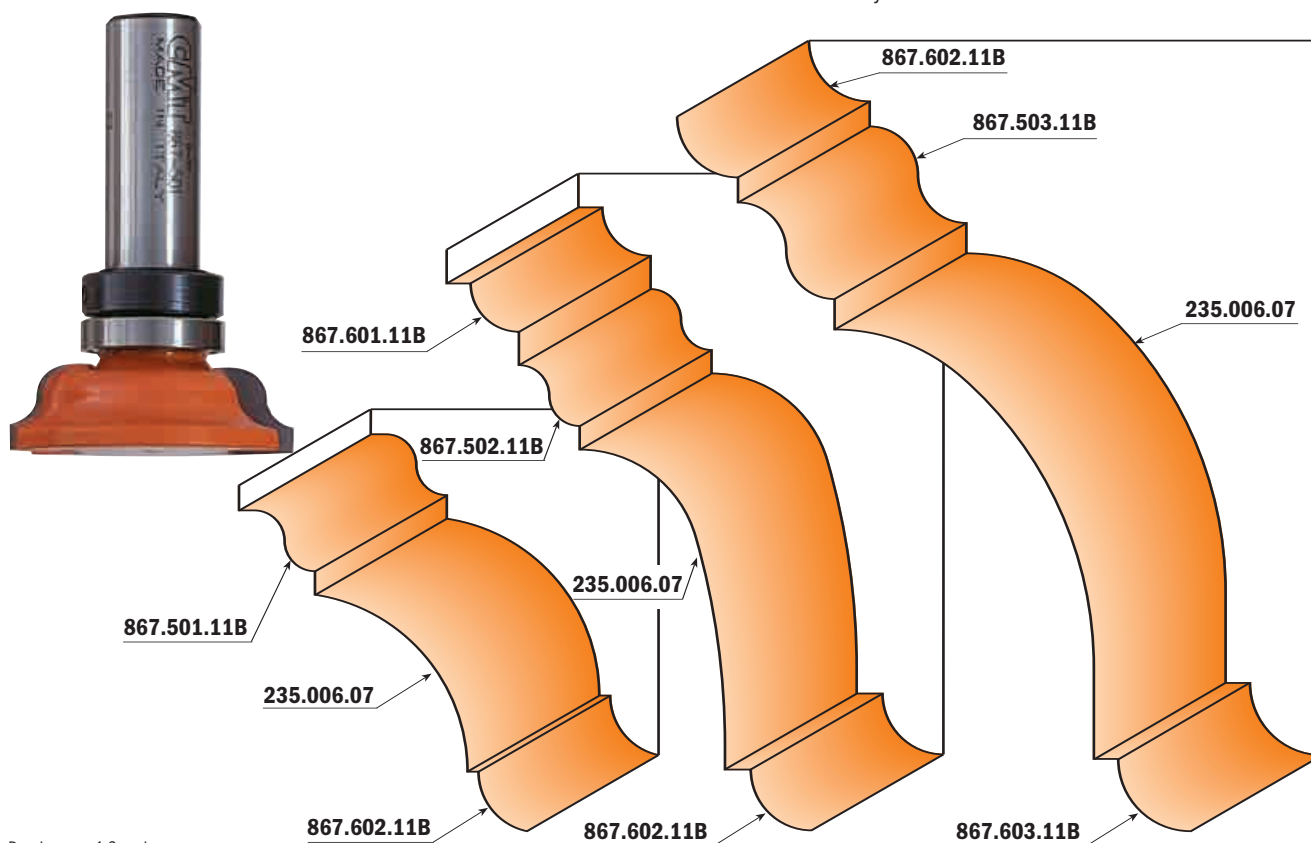


800.523.11 7 piece Lonnie Bird's Crown Molding Set 1/2" shank

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 crown molding is 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 in firm contact with your router table for unprecedented accuracy and control.



Drawings are 1:2 scale

Creating molding with CMT's Crown Molding Set

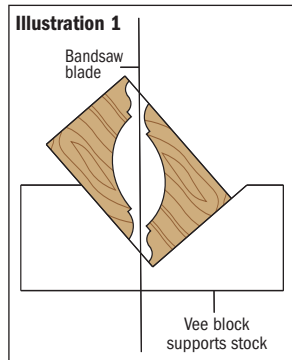
CMT's Lonnie Bird Crown Molding Set allows you to shape elegant moldings with your tablesaw and router table. The set consists of a cove cutter and six router bits with inverted profiles. The cove cutter mounts on your tablesaw and is used in conjunction with a pair of angled fences. Changing the fence 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.



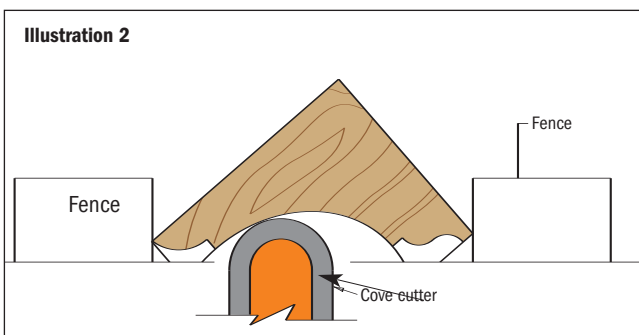
MOUNTING THE CUTTERHEAD

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

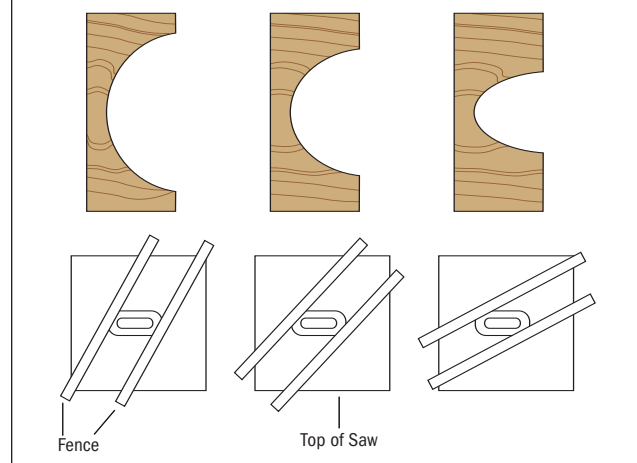
This process is very similar to cutting coves with a standard saw blade on a table saw. *If this operation is new to you or if you have questions beyond the instructions, we highly recommend you take time to further study this technique in either a woodworking class or a woodworking book that teaches 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



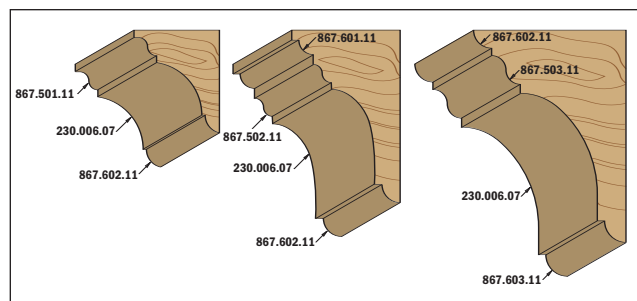
ROUTING MOLDINGS WITH THE INVERTED BITS

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.



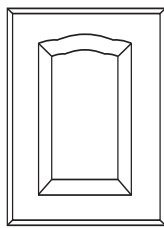
MILLING CURVED MOLDINGS

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.

Doormaking Templates

TMP

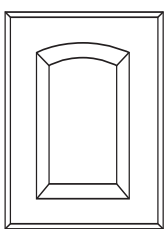
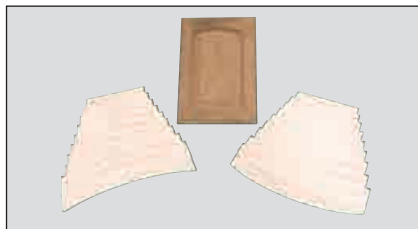
These template systems solve the problems of making arched raised panel doors by eliminating the need for high-cost hold-down jigs. Each of our five 20-piece template packages (#TMP-001 through TMP-005) includes ten sizes for the panels and the ten corresponding templates for the matching arched rails. 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.



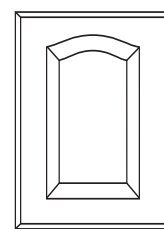
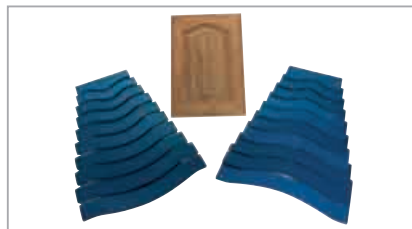
American

ORDER NO.
Description

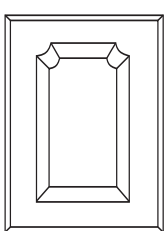
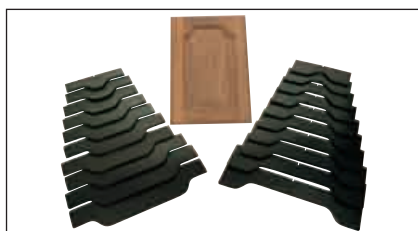
TMP-001	French Provincial	Black/White
TMP-002	Classic Country	Black
TMP-003	Cathedral	Blue
TMP-004	Roman	White
TMP-005	American	Yellow
TMP-006	American junior	



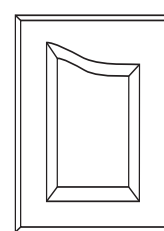
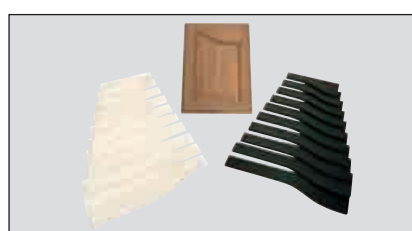
Roman



Cathedral



Classic Country



French Provincial

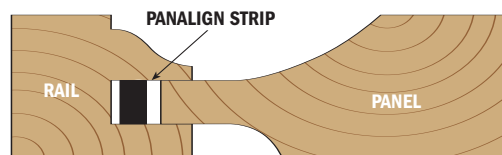
Panelign Strips

Beautiful panel doors can be ruined by a poorly-aligned panel. Next time, slip Panelign 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 Panelign 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	Panelign strips	Qty. 200
PNL-002	Panelign strips	Qty. 500
PNL-003	Panelign strips	Qty. 1,000



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)



DAG-001

The digital angle gauge is a mini waterproof digital protractor that provides digital readings between $\pm 180^\circ$ with a resolution of $0,1^\circ$ and auto shut off after 5 minutes. It is small enough to be carried around in a pocket and the LED screen is convenient to read. It incorporates magnets in the base for adhesion to any ferrous surface to accurately measure mitre and bevel angles on mitre saws, saw benches, etc.

TECHNICAL DETAILS:

- battery voltage/type 3V/L lithium;
- size 2" x 2" x 1-1/4";
- range $\pm 180^\circ$;
- resolution $0,1^\circ$.

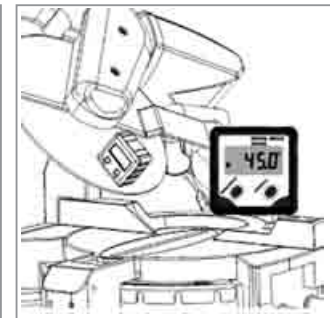
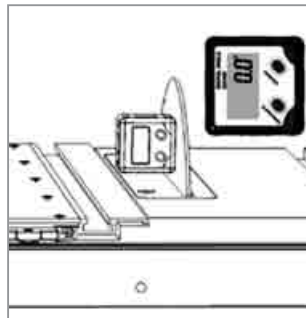
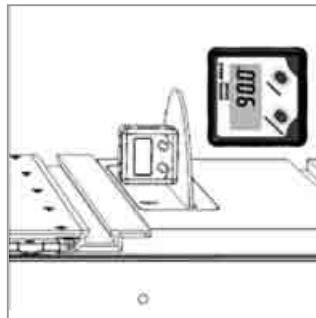
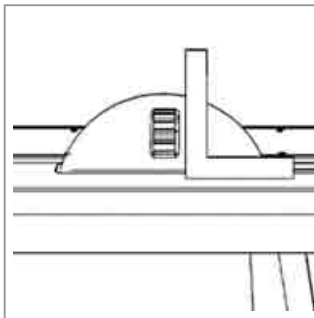
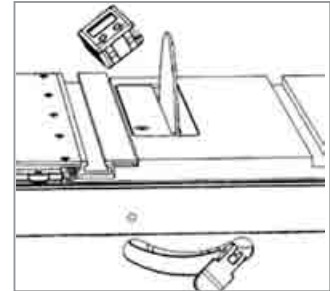
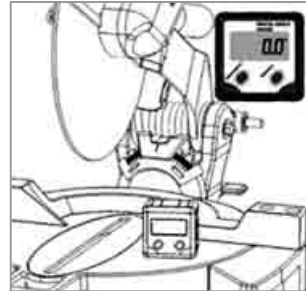


ORDER NO.

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 giving a very clear detailed LCD display as well as a pair of levelling vials and a pivoting measuring arm. When the arm is extended the angle it makes 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 variations from the vertical and the horizontal 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. Being robust but light in weight this is a very well thought out tool with a lot of uses. Instructions included.

- Easy and simple to use;
- Calculates angles in seconds;
- Large detailed LCD display;
- Robust, lightweight aluminium construction;
- Measuring range of $0 - 360^\circ$.

TECHNICAL DETAILS:

- size 10" x 2" x 1";
- range $\pm 0-360^\circ$;
- resolution 0.05° .

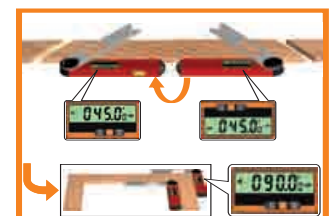
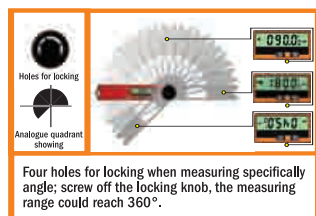
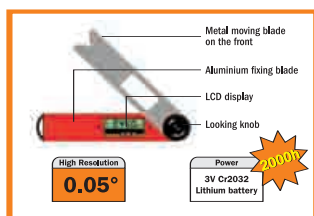


ORDER NO.

Description

DAF-001

Digital Angle Finder



Blum, Salice, Häfele & Hettich Hinges Boring System

CMT ORANGE TOOLS®

CMT333-03

The innovative CMT333 Universal Hinge Boring System employs three spindles which allow you to bore the holes for all of the major hinge brands. The universal modular base supports the installation of different boring heads and the system can be utilized using drill presses or hand held power tools. The CMT333 is ideal for custom cabinet makers and it is a perfect complement to boring machines that are dedicated to a specific brand.



For use on drill presses



For use with portable drills



Technical Features and Specifications

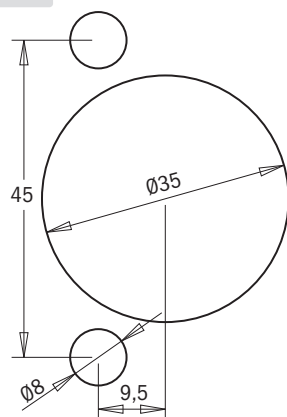
- Metal parts are ant-rust
- Ground aircraft aluminum
- Max 5000 RPM
- Six radial anti-friction bearings

The complete system CMT333-03 contains:

- CMT333 the modular base support
- CMT333-4595 boring head
- 317.350.11 Ø35mm hinge boring bit.



Standard



CMT333-4595

for Blum, Salice and Häfele, Hettich hinges 45/9,5

Optional



CMT333-325

Boring head with 5 adaptors for system 32 (3 right and 2 left)

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 and 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 it is perfect for clamp free edge to edge joinery.

CMT-Enlock1

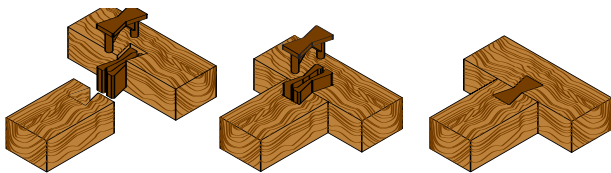
Patent No. AU2005/903586
PCT/AU2006/000957

Width rang
1-3/16"~2-61/64"

Thickness range
3/4"~1-3/8"



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")

Here are a few of the beautiful joints you can produce using the CMT-Enlock Jig



The CMT-Enlock dovetail key expands when the cap is forced in.

This widens the dovetail producing a strong clamping force across the joint.

No other dovetail system on the market produces this clamping force.

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 have used other pocket hole jigs you will be familiar with many applications of the joint, **but** you will enjoy some big advantages with the Pocket-Pro:

• 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 styles of joint.

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)

The set contains:

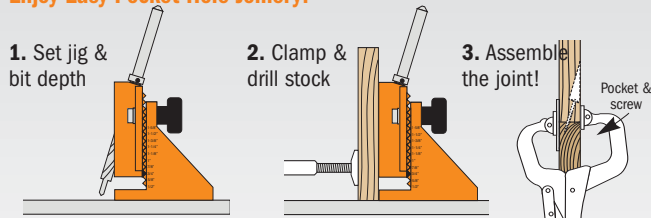
- 999.505.10 two-piece molded jig
- 999.505.05 toggle clamp
- 515.001.51 3/8" step drill bit
- 541.095.00 stop collar
- 999.505.08 driver bit
- 999.101X30 sample screws



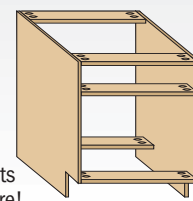
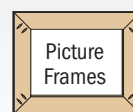
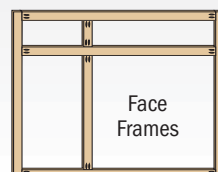
Jig, Toggle Clamp, Drill Bit, Stop Collar, Driver Bit & Sample Screws.

ORDER NO.	Description
PPJ-002	Pocket-Pro starter set

Enjoy Easy Pocket Hole Joinery!



Build almost anything!



Cabinets and more!

Router Inlay Kit

899

Beautiful, professional-quality inlays aren't as difficult as they seem. In fact, they're easy with a CMT Inlay Kit. Solid brass components come with either a solid carbide spiral bit or straight bit with 1/8" cutting diameter and 1/4" shank. Just remove and reassemble the small bushing to make the recess in the workpiece and cut out the inlay.

Perfect for toymaking, puzzle making, lettering and lots of other decorative projects. Use the spiral bit for routing MDF, or the straight bit for natural wood.

Instruction available from the web!



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

Bowl and Tray System

new

CMT ORANGE TOOLS®

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

This complete system includes: two unique bowl and tray templates, a bowl and tray router bit, a router collet extension and an instructional DVD.



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.

Formula 2050 Blade & Bit Cleaner

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 some powerful and nasty 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, and your satisfaction is guaranteed!

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



12 pcs. in Merchandising Display



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.

RCS

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 get 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.

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 and a Video, 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 bit
RCS-CUT	3D router spare bit
RCS-DVD	3D router carver DVD
RCS-ST5	3D router carver starter set
RCS-VID	3D router carver video



Classical Cabinet Door, #RCS-302

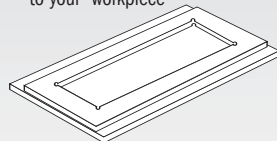
Classical Drawer, #RCS-502



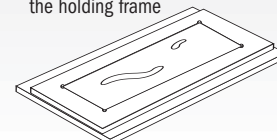
The 3D Router Carver System is protected by U.S. Patent No. 5,146,965

Here's how it works:

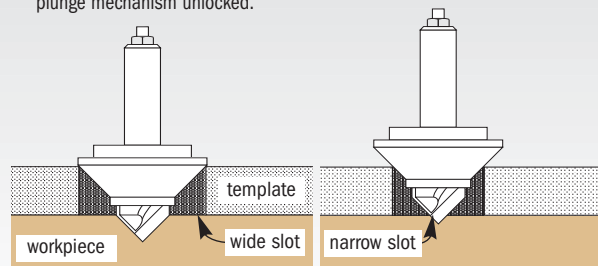
1. Clamp or tack the holding frame to your workpiece



2. Drop the template into the holding frame

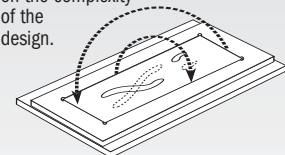


3. Plunge the bit into a wide part of the slot and rout with the router's plunge mechanism unlocked.

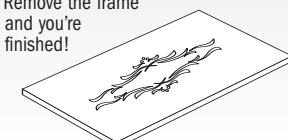


Allow the plunge mechanism to move up and down as you advance. Wider template slots allow wider, deeper grooves. Narrower slots produce shallower grooves.

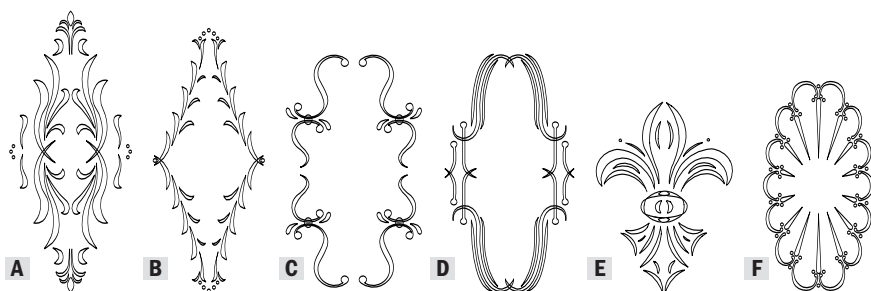
4. With the frame still in place, flip the template & rout again. Some templates will be routed 2 to 4 times, depending on the complexity of the design.



5. Remove the frame and you're finished!

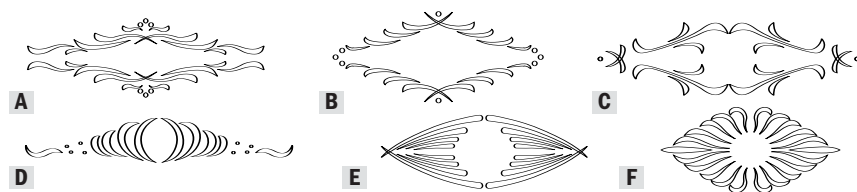


Cabinet Door & Panel Carvings



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.

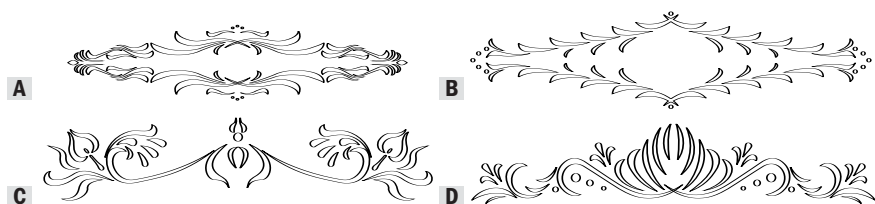
ORDER NO.	Description	Carving dimensions inches	No. of templates
RCS-302	Classical cabinet door - A	17-1/4 x 7-1/4	2
RCS-304	Florentine cabinet door - B	16-1/4 x 6-5/8	2
RCS-305	Cascade cabinet door - C	14-3/8 x 8-1/4	1
RCS-306	Roma cabinet door - D	14-3/4 x 7-7/8	1
RCS-805	Fleur-de Lys door - E	9-7/8 x 7	4
RCS-806	Spanish fan template - F	15 x 7-7/8	2
RCS-003	Cabinet door holding frame		



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		

Drawer and Furniture Carvings



With a long, horizontal shape, these designs are perfect for door rails, headboards, cabinet face frames and valances. Approximate carving time 4 minutes.

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		

Panel and Rail Carvings

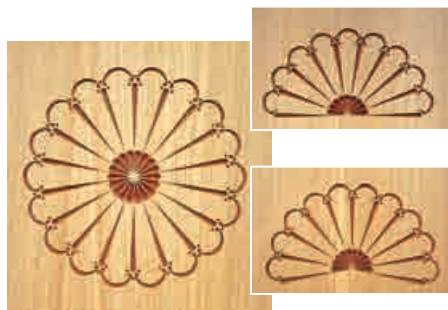


Tip: Many carvings, like the Florentine Rail, are enhanced with the additional of a Rosette. See page 62 for the Rosette shown in the photo below.

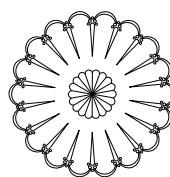
3D Router Carver™ System



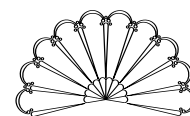
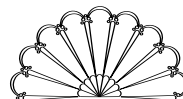
Southwestern Carving Designs



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.

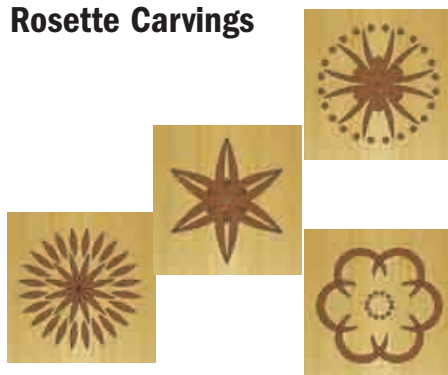


Route the complete Spanish Fan Design or make partial rosettes

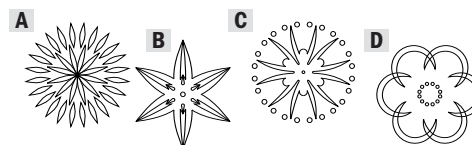


ORDER NO.	Description	Carving dimensions inches	No. of templates
RCS-801	Large spanish fan	15-3/4	1
RCS-802	Small spanish fan	7-7/8	1
RCS-007	Rosette holding frame		

Rosette Carvings

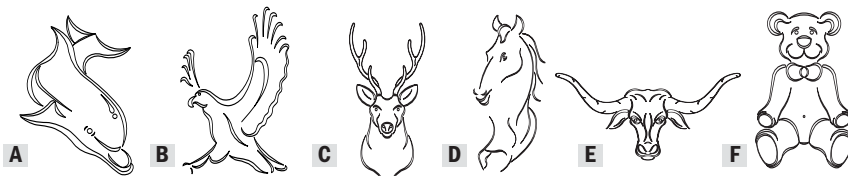


You get two templates for the price of one with these designs! Each item includes templates for two sizes of Rosette. Use with the Rosette Frame sold above, or use the large rosettes with the cabinet door frame or small rosettes with rail frame.



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

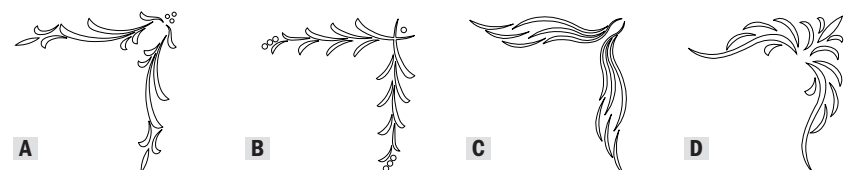
**Just for fun:
Designs For
every animal
lover!**



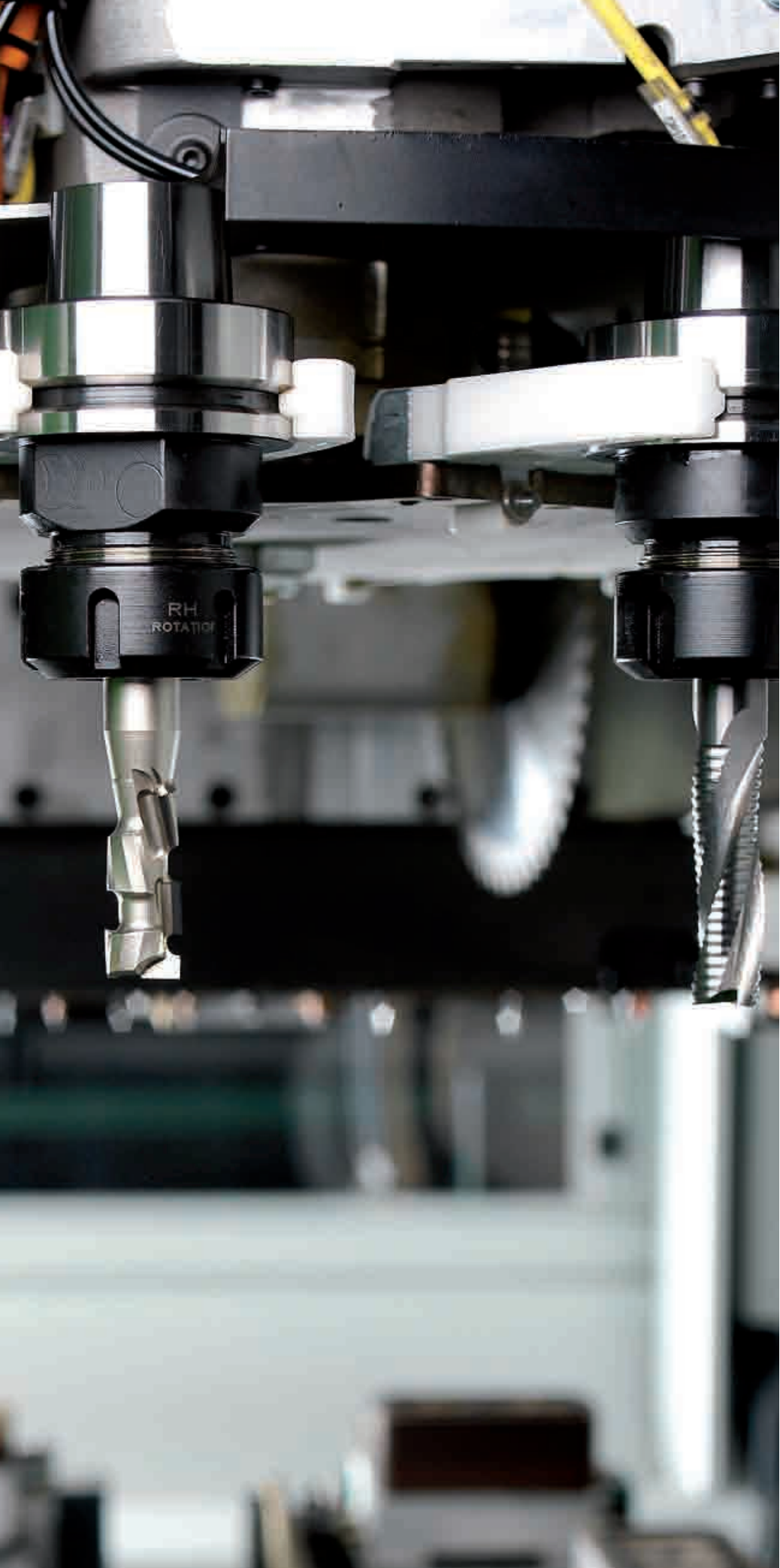
Your imagination will be your guide on these neat designs. Furniture or decorations for the kids, paneling for the den or rec room, a gift for the sportsman - who knows?

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		



CNC Router Bits & Chucks

Products	Page
Universal Assembly Support for Chucks	134
CNC Chucks and Collets “ER32”	134 ~ 135
CNC Chucks and Collets “ER40”	136
Solid Carbide Spiral Bits	137 ~ 139
Diamond Compression Bits	140
Insert Carbide Straight Bits	140
Insert Carbide V-Groove, Folding, Signmaking	141
Insert Carbide Spoilboard Surfacing	141
Insert Carbide Adjustable Chamfering	142

Universal Assembly Support for Chucks



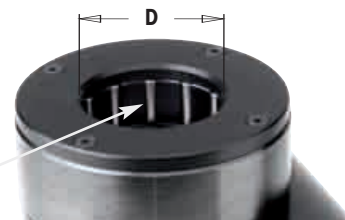
183

ORDER NO.	D mm	DESCRIPTION
183-HSK	63	Universal assembly support for chuck HSK-F63
183-ISO	50	Universal assembly support for chuck ISO30

For HSK-F63 and ISO30 chucks

CMT now offers a new universal assembly support system for HSK-F63 and ISO 30 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!

The special bidirectional roller bearing, clamps the toolholder to the flange, offering maximum protection to the tool taper.



HSK Chuck with precision collet "ER32"



183.300

RH **LH**

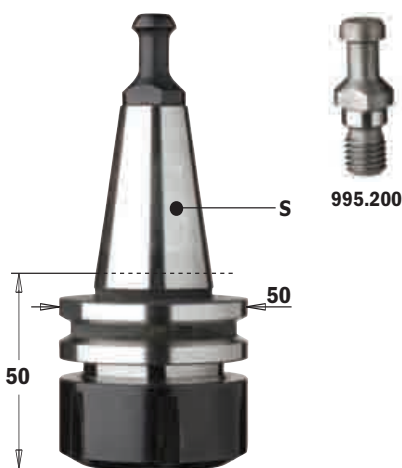
ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation	S	To be used with collet
183.300.01	183.300.02	HSK-F63	ER32

Spare parts

992.183.01	RH Clamping nut
992.183.02	LH Clamping nut
991.183.00	C-Spanner "ER32"

For Homag, Eima from 9/94, Dubus, Weeke, Biesse, SCM, Morbidelli and Masterwood machines.

ISO30 chuck with precision collet "ER32"



183.200

RH **LH**

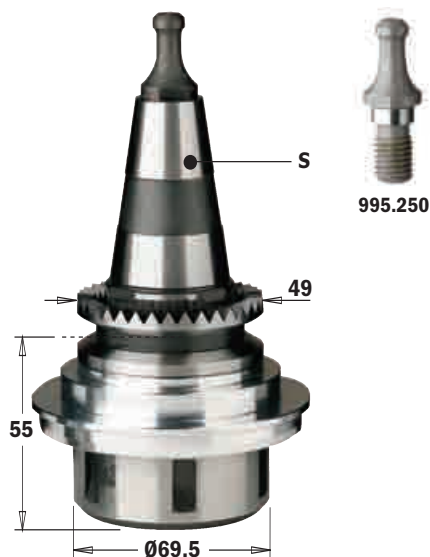
ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation	S	To be used with collet	Retaining stud mm
183.200.01	183.200.02	ISO30	ER32	Ø12-8

Spare parts

992.183.01	RH Clamping nut
992.183.02	LH Clamping nut
991.183.00	C-Spanner "ER32"

For Biesse machines.

ISO30 chuck with precision collet "ER32"



183.250 - 183.251

RH **LH**

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation	S	To be used with collet	Retaining stud mm
183.250.01	183.250.02	ISO30	ER32	Ø8,5
with aluminium flange				
183.251.01	183.251.02	ISO30	ER32	Ø8,5

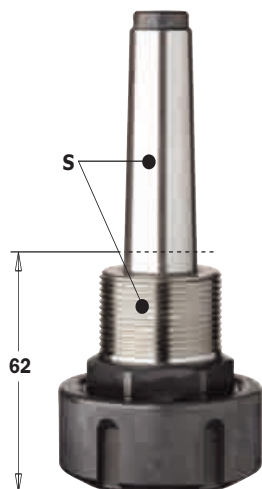
Spare parts

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.

Chuck with precision collet "ER32"



183.000

RH **LH**

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation	S	To be used with collet
183.000.01	183.000.02	MK2/M30x1,5	ER32

Spare parts

992.183.01	RH Clamping nut
992.183.02	LH Clamping nut
991.183.00	C-Spanner "ER32"

MK2/MK3 tapered shank

Available on request.

Precision collets "ER32" per 183.000/200/250/300



184.000

ORDER NO.	D ₃	
	inches	mm
184.065.00	1/4	6.35
184.080.00	5/16	8
184.100.00	3/8	9.5
184.130.00	1/2	12.7
184.160.00	5/8	16
184.190.00	3/4	19
184.200.00		20

TECHNICAL DETAILS:

- Replaceable collets Std "ER32" (from 3 to 20mm)
- Fits most tapered spindle noses
- Wide clamping tolerance +0-0,7mm.
- suitable to most of the conical chucks.

REMARK: special dimensions available on request

HSK chuck with precision collet "ER40"


183.310
RH **LH**

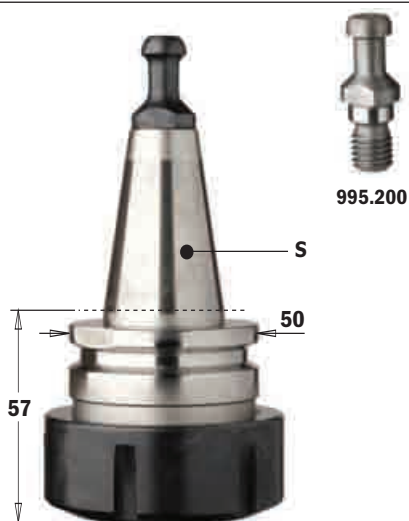
ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation	S	To be used with collet
183.310.01	183.310.02	HSK-F63	ER40

Spare parts

992.383.01	RH Clamping nut
992.383.02	LH Clamping nut
991.184.00	C-Spanner "ER40"

For Homag, Eima, IMA from 9/94, Dubus, Weeke, Biesse, SCM, Morbidelli and Masterwood machines.

ISO30 chuck with precision collet "ER40"


183.201
RH

ORDER NO. Right-hand rotation	S	To be used with collet	Retaining stud mm
183.201.01	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 "ER40" per 183.201/310


184.xxx.25

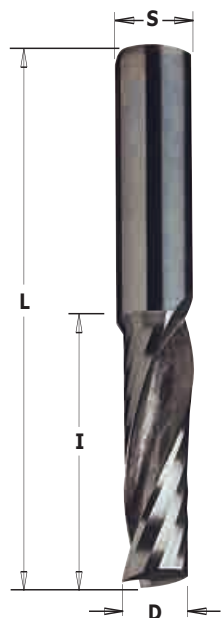
ORDER NO.	D ₃	
	inches	mm
184.082.00	5/16	8
184.102.00	3/8	9.5
184.132.00	1/2	12.7
184.162.00	5/8	16
184.192.00	3/4	19
184.202.00		20
184.252.00		25

TECHNICAL DETAILS:

- Replaceable collets Std "ER40" (from 4 to 25mm)
- Fits most tapered spindle noses
- Wide clamping tolerance +0-0,7mm.
- suitable to most of the conical chucks.

REMARK: special dimensions available on request

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	1/8	3.18	1/2	2	1/8
198.005.11	3/16	4.76	5/8	2	3/16
198.007.11	1/4	6.35	3/4	2	1/4
198.008.11	1/4	6.35	1	2-1/2	1/4
198.504.11	3/8	9.52	1-1/8	3	3/8

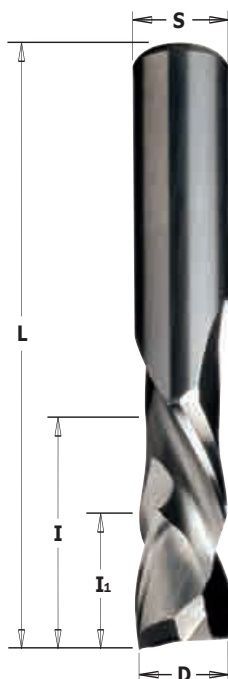
TECHNICAL DETAILS:

- 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. Used a high feed speed on well-clamped workpiece. Can used on machining centres, point to point machines, CNC routers and hand-held routers equipped with chucks or adaptors.

Solid Carbide Compression Spiral Bits



190 Compression Upcut & Downcut 2+2-Edge



ORDER NO.	D		I	I ₁	L	S
Right-hand rotation	inches	mm	inches	inches	inches	inches
190.504.11	3/8	9.53	1-1/8	7/16	3	3/8
190.505.11	1/2	12.7	1	5/8	3	1/2
190.506.11	1/2	12.7	1-1/8	5/8	3	1/2
190.507.11	1/2	12.7	1-3/8	5/8	3-1/2	1/2
190.508.11	1/2	12.7	1-5/8	5/8	4	1/2

190 Compression Upcut & Downcut 3+3-Edge



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

190 Mortise Compression Upcut & Downcut 2+2-Edge



ORDER NO.	D		I	I ₁	L	S
Right-hand rotation	inches	mm	inches	inches	inches	inches
190.513.11	3/8	9.53	7/8	3/16	3	3/8
190.515.11	1/2	12.7	7/8	13/64	3	1/2
190.517.11	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)
- Provides excellent finish on both top and bottom side of the workpiece
- The upcut provides an excellent finish on the bottom edge.
- The downcut provides an excellent finish on the top edge.

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 2-Edge Spiral Bits



191 Upcut 2-Edge

ORDER NO. Right-hand rotation	D		I	L	S
	inches	mm	inches	inches	inches
191.001.11	1/8	3.18	1/2	2	1/4
191.003.11	5/32	3.97	1/2	2	1/4
191.005.11	3/16	4.76	3/4	2	1/4
191.007.11	1/4	6.35	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	9.53	1-1/4	3	1/2
191.505.11	1/2	12.7	1-1/4	3	1/2
191.506.11	1/2	12.7	1-1/2	3-1/2	1/2
191.507.11	1/2	12.7	2	4	1/2
191.509.11	5/8	15.88	2-1/8	4-5/16	5/8
191.511.11	3/4	19.05	2-1/8	4-5/16	3/4
191.008.11-X10 10 pcs. in masterpack					

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.



192 Downcut 2-Edge



ORDER NO. Right-hand rotation	D		I	L	S
	inches	mm	inches	inches	inches
192.001.11	1/8	3.18	1/2	2	1/4
192.003.11	5/32	3.97	1/2	2	1/4
192.005.11	3/16	4.76	3/4	2	1/4
192.007.11	1/4	6.35	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	9.53	1-1/4	3	1/2
192.505.11	1/2	12.7	1-1/4	3	1/2
192.506.11	1/2	12.7	1-1/2	3-1/2	1/2
192.507.11	1/2	12.7	2	4	1/2

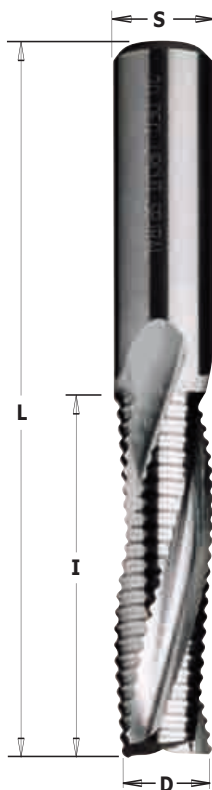
TECHNICAL DETAILS:

- 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.



195 Upcut 3-Edge Chipbreaker

SOLID CARBIDE Z3R RH

ORDER NO. Right-hand rotation	D		I	L	S
	inches	mm	inches	inches	inches
195.506.11	1/2	12.7	1-1/2	3-1/2	1/2
195.509.11	5/8	15.88	2-1/8	4-5/16	5/8
195.511.11	3/4	19.05	2-1/8	4-5/16	3/4

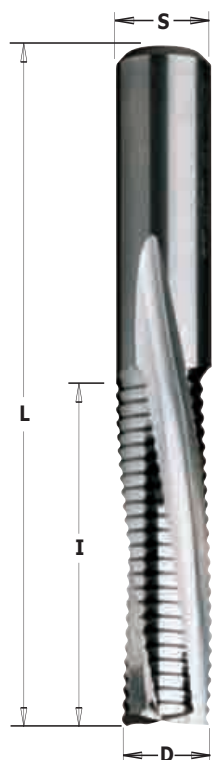
TECHNICAL DETAILS:

- 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

SOLID CARBIDE Z3R RH

ORDER NO. Right-hand rotation	D		I	L	S
	inches	mm	inches	inches	inches
196.506.11	1/2	12.7	1-1/2	3-1/2	1/2
196.509.11	5/8	15.88	2-1/8	4-5/16	5/8
196.511.11	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.



DP Z1+1 RH



140 Diamond

ORDER NO.	D		I	L	S	T
Right-hand rotation	inches	mm	inches	inches	inches	
140.127.61	1/2	12.7	1-1/16	2-3/4	1/2	1+1 (4DP+1TCT)
140.128.61	1/2	12.7	1-13/32	3-1/8	1/2	1+1 (4DP+1TCT)
140.158.61	5/8	15.87	1-1/16	3	5/8	1+1 (3DP+1TCT)
140.159.61	5/8	15.87	1-49/64	4	5/8	1+1 (5DP+1TCT)
140.190.61	3/4	19.05	1-1/16	4	3/4	1+1 (3DP+1TCT)
140.192.61	3/4	19.05	1-49/64	4	3/4	1+1 (5DP+1TCT)

TECHNICAL DETAILS:

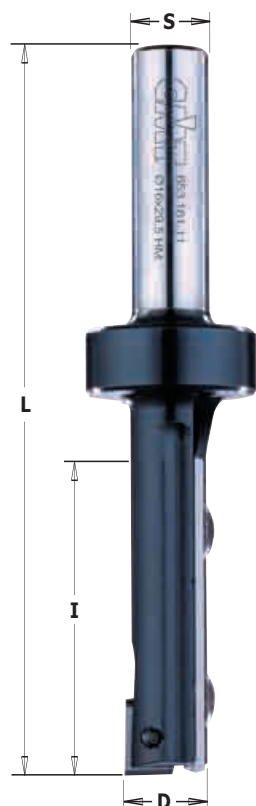
- Super strength steel
- DP (Diamond) cutting edge
- HW (Carbide tipped) plunging tip
- Resharpenable cutter

30X
LONGER LIFE
THAN CARBIDE

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

INSERT CARBIDE Z1+1 RH

ORDER NO.	D		I	L	S	Spare knives	
	inches	mm	mm	mm	inches	side	top
653.158.11	5/8	15.8	28.3	91.5	1/2	790.283.12	790.075.00
653.159.11	5/8	15.8	48.3	111.5	1/2	790.483.12	790.075.00

Spare parts

790.075.00	Knives 7,5 x 12 x 1,5mm
790.096.00	Knives 9,6 x 12 x 1,5mm
790.283.12	Knives 28,3 x 12 x 1,5mm
790.483.12	Knives 48,3 x 12 x 1,5mm
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

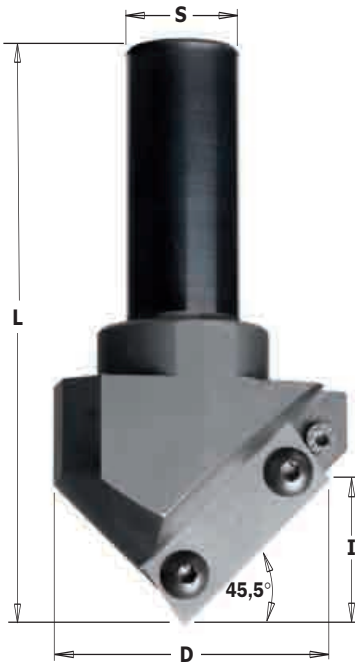
TECHNICAL DETAILS:

- Super Strength steel
- 2 cutting edges (Z1+1)

APPLICATION: straight router bit with one replaceable plunging knife and one side knife fixed by special Torx screws. The body is precise balanced. For finishing and routing, plunge cutting and grooving in boards materials (laminated chipboards, MDF) and hard wood.
For use on CNC machining centers.

Insert Carbide V-Groove - folding - signmaking CNC router bits

CMT ORANGE TOOLS®



663.101.11

INSERT
CARBIDE

Z1

RH



ORDER NO.	D		I	L	S
Right-hand rotation	inches	mm	inches	inches	
663.101.11	2-3/64	52	1	4	20mm

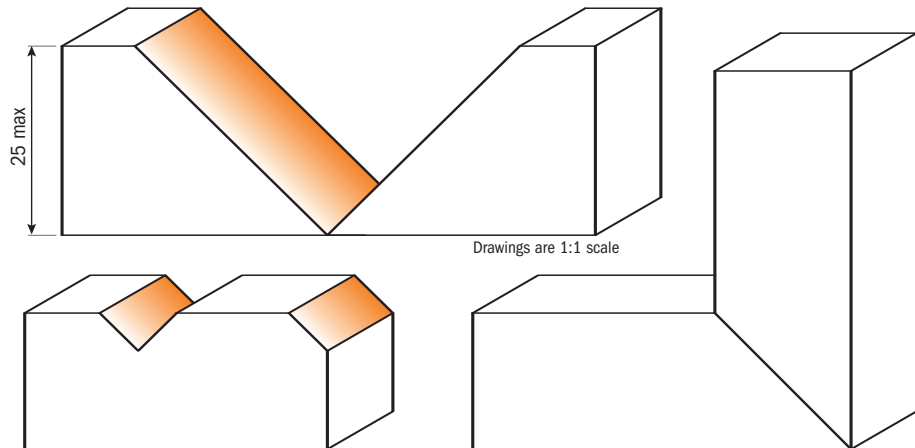
Spare parts

790.360.01	Knives 36x12x1.5mm
990.077.00	Screw Torx M3.5x7mm
991.061.00	Torx key T15

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.



Insert Carbide Spoilboard surfacing router bits



663.001.11

INSERT
CARBIDE

Z2

V2

RH



ORDER NO.	D		I		L	S
Right-hand rotation	inches	mm	inches	mm	inches	
663.001.11	3-35/64	80	15/32	12	3-9/16	20mm

Spare parts

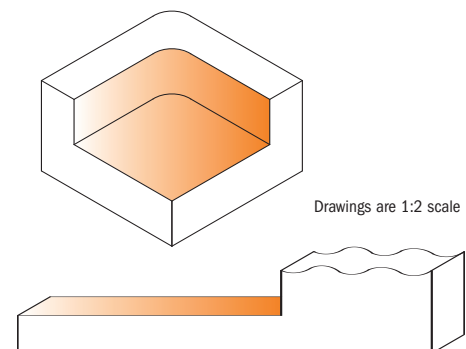
790.120.00	Knives 12x12x1,5mm
990.075.00	Screw Torx T15 M4x6
991.061.00	Torx key T15
790.140.00	Knives 14x14x2mm
990.083.00	Screw Torx T20 M6x9
991.072.00	Torx key T20

TECHNICAL DETAILS:

- Super Strength steel
- 2 cutting edges (Z2)
- 2 scores knives (V2)

APPLICATION: new router bit for CNC router 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 hard woods, particle board and MDF. The router bit utilizes 4-sided solid carbide inserts.

Cost effective solution compared to brazed router bits and solid carbide spiral bits.



Adjustable chamfering CNC router bit

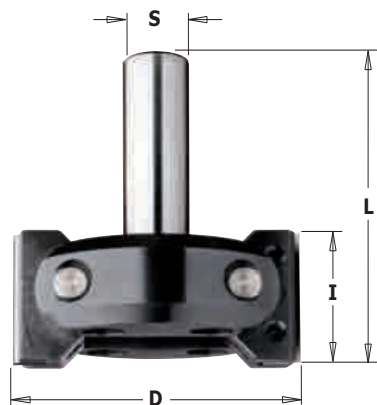
new

CMT ORANGE TOOLS®

INSERT
CARBIDE

Z2

RH



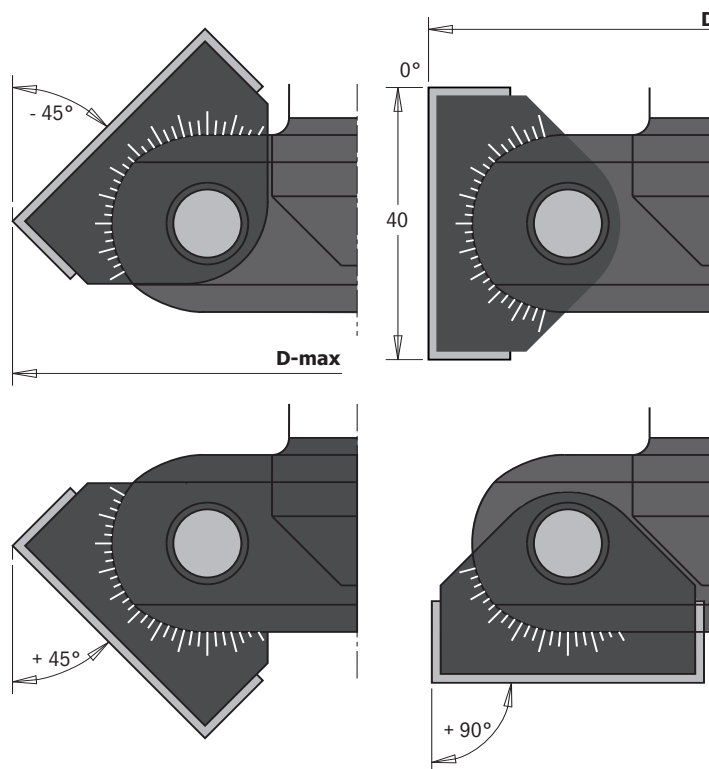
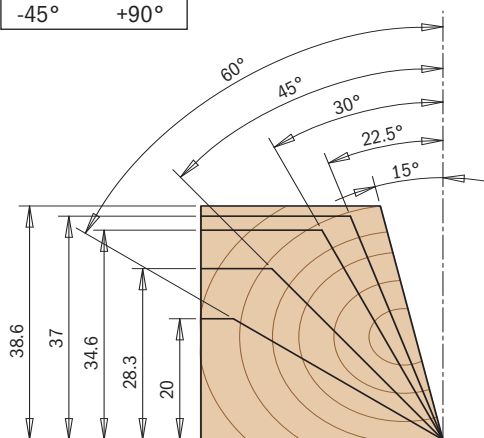
663.201.11

ORDER NO.	D	D_Max 45°	I	A	L	S
Right-hand rotation	inches	mm	inches	inches	inches	
663.201.11	3-11/32	85	4-1/32	1-37/64	0°-45°	3-5/8 20mm

Spare parts

663.999.01	Wedge 38x6x12mm
790.400.00	Knife 40x12x1,5mm
990.087.00	Screw STEI M6x8mm (threaded pin 4x2mm)
991.067.00	Hex key 3mm
990.099.00	Screw TCEI M8x25mm
990.020.00	Nut M8 (4mm)
991.081.00	Hex key "T" 4mm

Inclination
min. -45°
max +90°



TECHNICAL DETAILS: Tool body in steel, two TC reversible knives in swiveling blade carriers. Cutting on periphery and both sides. Swiveling range towards top 0-45°, toward bottom 0-90°, infinitely variable adjustment according to precise scale. With positive stops at 7,5° through adjustment aide. No displacement of adjusted beveling angle when replacing blades. Right rotation.

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.

Saw Blades

Router Bits

Router Bits
Sets

Jigs
& Accessories

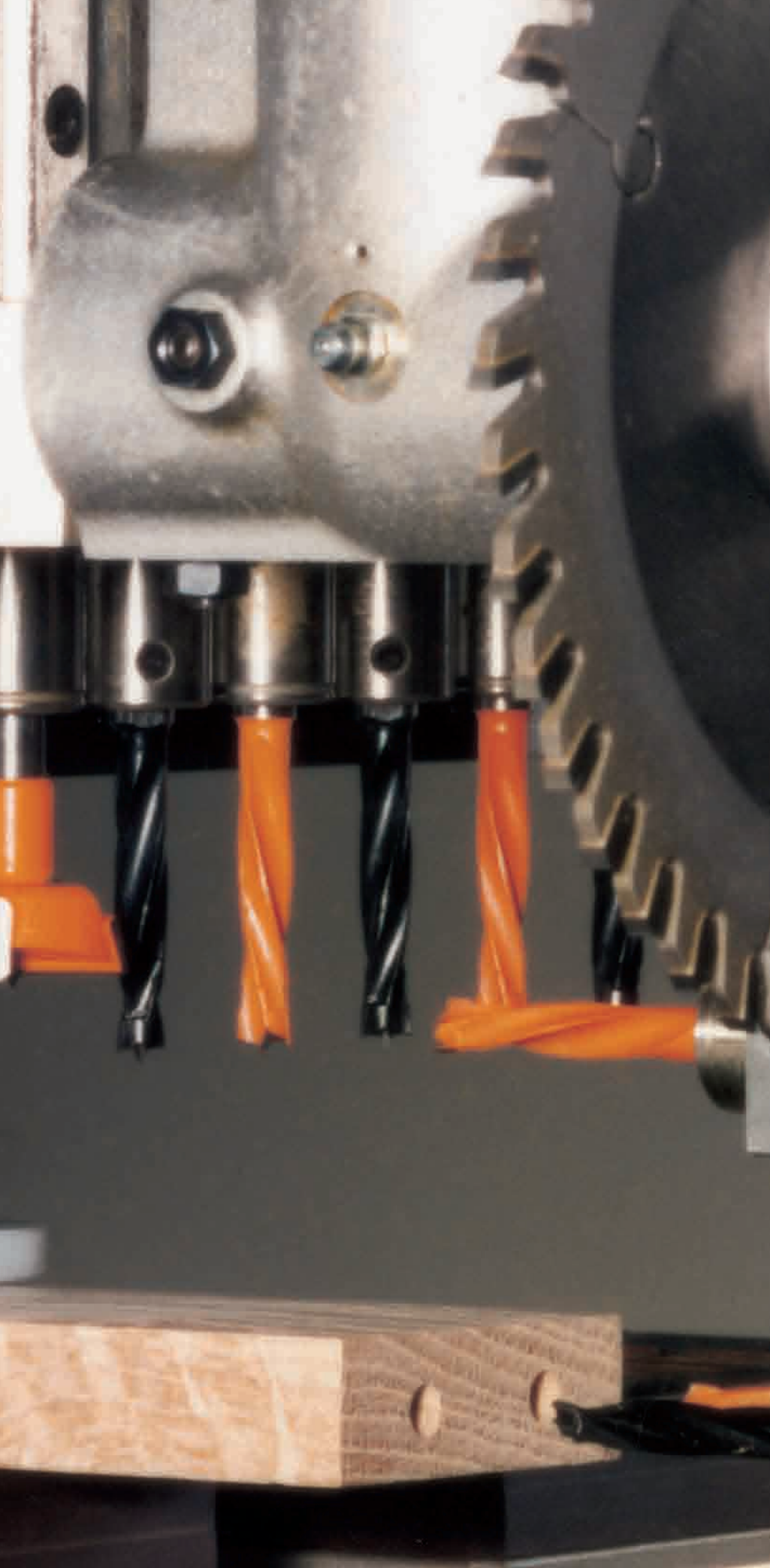
CNC Router Bits
& Chucks

Dowel Drills

Boring Bits

Cutter Heads
& Knives

Spare Parts



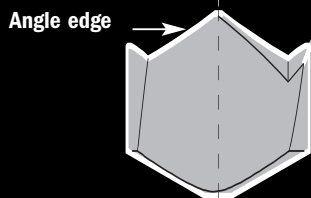
Dowel Drills and Boring Bits

Products	Page
XTreme Dowel Drills	145 ~ 147
2 Flute Dowel Drills	148 ~ 149
4 Flute Dowel Drills	150 ~ 152
Solid Carbide Twist Drills and Adaptors	153
4 Flute Dowel Drills for Through Holes	154
2 Flute Dowel Drills for Through Holes	155 ~ 156
Countersinks	157
Hinge Boring Bits	158
Adaptors	159 ~ 160
Adjustable Countersink	161
Rosette Cutters	162
Bits for Domino® by Festool	162
Forstner Bits and Sets	163
Mortise Chisel Sets and Plug Cutters	164

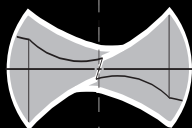
XTREME BORING BITS

SETTING A NEW STANDARD FOR PERFORMANCE AND VALUE

NEW DOWN CUT ROUND SHARPENING

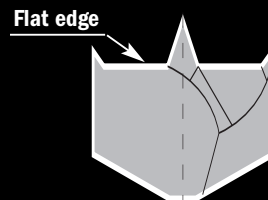


EXTRA-FINE MICROGRAIN CARBIDE

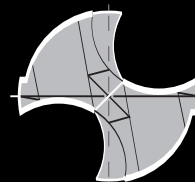


Reduced boring surface enabling
faster feed speed

STANDARD SHARPENING



STANDARD CARBIDE



Standard boring surface

Finest Industrial Quality Micrograin Carbide

CMT puts the finest quality at the cutting edge. Produced by Luxembourg's Cerametal, CMT's carbide tips are selected from carbide grades which hold an edge longer and improve durability and impact resistance.

P.T.F.E. Coating

Our PTFE coating provides a non-stick surface that prevents residue accumulation on the bit. Baked on at 420° C, this unique, industrial strength material is specifically designed to meet the requirements of woodworking tools.

High-Strength Steel Body

The shanks and bodies of all our bits are machined from solid bar stock steel made by Von Moos Steel in Switzerland. The primary mechanical properties are:

- superior strength
- high level uniformity
- minimal distortion
- exceptional resistance to fatigue and abrasion

Micrograin Carbide Sharpening

The sharpening on the carbide cutting edge provides a 0.4μ/mm. micrograin finish. This is done on automated CNC machines that are equipped with as many as 6 axes for maximum accuracy.

Special metal shock resistant brazing

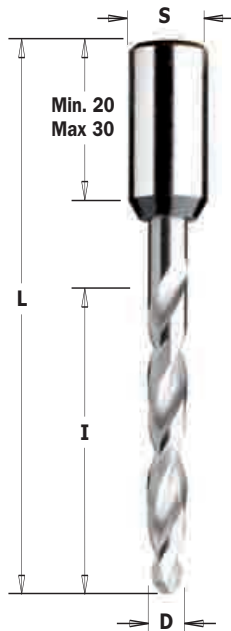
Micrograin carbide tips are applied with a special brazing compound. This allows a higher brazing temperature than other methods, and guarantees a solid bond of every tip on every bit.

Steel shank grinding

CMT grinds the steel shank to a micrograin finish of 0.8μ/mm. The smooth finish on the shank determines how well the drill fits into your machine. A rough grind results in a poor grip by the chuck and wobbly rotation.



Dowel drills for Through Holes



314.21/22



ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation	D		I	L	S
		inches	mm	mm	mm	mm
314.030.21	314.030.22		3	27	70	10x30
314.040.21	314.040.22	5/32	4	40	70	10x20
314.050.21	314.050.22		5	40	70	10x20
314.060.21	314.060.22		6	40	70	10x20
314.080.21	314.080.22	5/16	8	40	70	10x20

Spare parts

990.008.00 Screw M5x8mm

For panel with a 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.

Use for drilling through holes in solid wood, wood composites, plastic and laminated materials.

Saw Blades

Router Bits

Router Bits
Sets

Jigs
& Accessories

CNC Router Bits
& Chucks

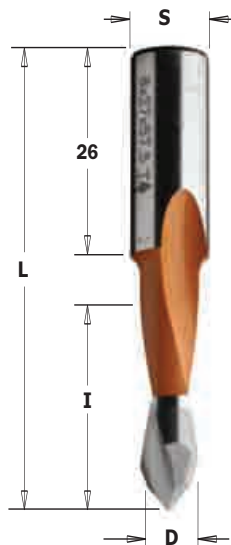
Dowel Drills

Boring Bits

Cutter Heads
& Knives

Spare Parts

Dowel drills for Through Holes



313.41/42



ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation	D		I	L	S
		inches	mm	mm	mm	mm
313.050.41	313.050.42		5	27	57.5	10x26
313.080.41	313.080.42	5/16	8	27	57.5	10x26

For panels with a 20mm maximum thickness

314.41/42

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation	D		I	L	S
		inches	mm	mm	mm	mm
314.050.41	314.050.42		5	35	70	10x26
314.080.41	314.080.42	5/16	8	35	70	10x26

Spare parts

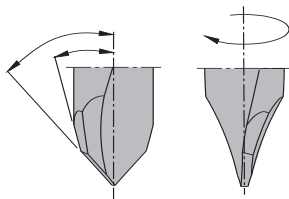
990.003.00 Screw M5x10mm

For panels with a 30mm maximum thickness

TECHNICAL DETAILS:

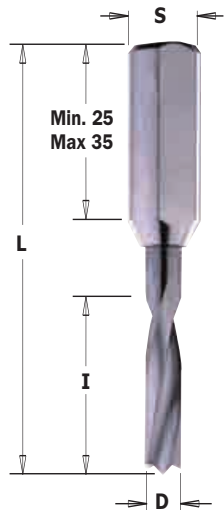
- Super-strength steel
- Spiral portion coated with orange or black P.T.F.E.
- Extra-fine micrograin carbide spiral portion with centre point
- 2 precision ground cutting edges (Z2)
- Double angle
- 2 spiral flutes
- Parallel shank with driving flat and length adjusting screw.

APPLICATION: used on boring machines and dowel drilling devices. Use for drilling through holes in solid wood, wood composites, plastic and laminated materials.



2 precision ground cutting edges

Solid Carbide Dowel Drills



310.21/22



ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation	D		I	L	S
		inches	mm	mm	mm	mm
310.530.21	310.530.22		3	9	57.5	10x35
310.030.21	310.030.22		3	18	57.5	10x25
310.040.21	310.040.22		4	20	57.5	10x25
310.050.21	310.050.22		5	22	57.5	10x25
310.060.21	310.060.22		6	22	57.5	10x25
310.064.21	310.064.22	1/4	6.35	22	57.5	10x25
310.080.21	310.080.22		8	22	57.5	10x25

Spare parts

990.003.00 Screw M5x10mm

For panel with a 30mm maximum thickness

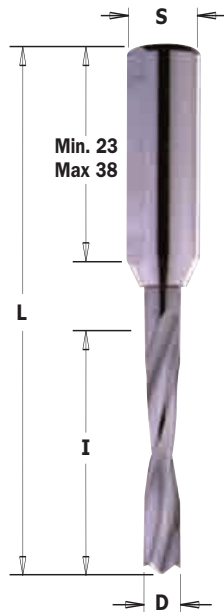
TECHNICAL DETAILS:

- 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.

Use for drilling through holes in solid wood, wood composites, plastic and laminated materials.

Solid Carbide Dowel Drills



311.21/22



ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation	D		I	L	S
		inches	mm	mm	mm	mm
311.030.21	311.030.22		3	18	70	10x38
311.040.21	311.040.22		4	27	70	10x30
311.050.21	311.050.22		5	30	70	10x28
311.060.21	311.060.22		6	30	70	10x29
311.064.21	311.064.22	1/4	6.35	30	70	10x28
311.080.21	311.080.22		8	35	70	10x23

Spare parts

990.003.00 Screw M5x10mm

TECHNICAL DETAILS:

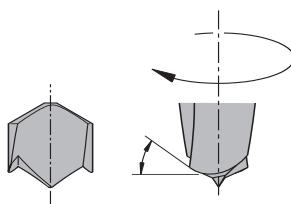
- Premium quality super-strength steel
- S.T.C. spiral portion with center point - 2 cutting edges (Z2) - 2 spiral flutes
- 2 curved, negatively ground spurs (V2) - Parallel shank with driving flat and adjustable screw length.

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

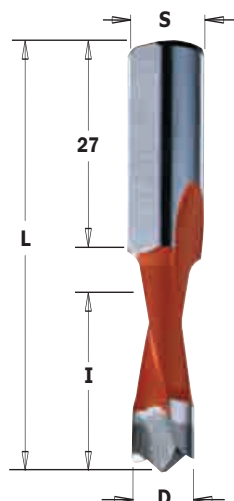
CMT announces the new series of solid carbide boring bits, now available from their extensive industrial line. These bits are entirely made of premium quality super micrograin carbide from Ceratizit in Luxembourg. The entire series offers several design features:

- 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.



Down cut round engraver

2 Flute Dowel Drills



310.41/42

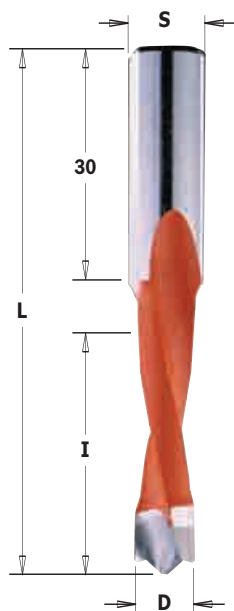


ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation	D		I	L	S
		inches	mm	mm	mm	mm
310.050.41	310.050.42		5	27	57.5	10x27
310.060.41	310.060.42		6	27	57.5	10x27
310.070.41	310.070.42		7	27	57.5	10x27
310.080.41	310.080.42	5/16	8	27	57.5	10x27
310.090.41	310.090.42		9	27	57.5	10x27
310.100.41	310.100.42		10	27	57.5	10x27

Spare parts

990.003.00 Screw M5x10mm

2 Flute Dowel Drills



311.41/42



ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation	D		I	L	S
		inches	mm	mm	mm	mm
311.050.41	311.050.42		5	35	70	10x30
311.060.41	311.060.42		6	35	70	10x30
311.070.41	311.070.42		7	35	70	10x30
311.080.41	311.080.42	5/16	8	35	70	10x30
311.090.41	311.090.42		9	35	70	10x30
311.100.41	311.100.42		10	35	70	10x30

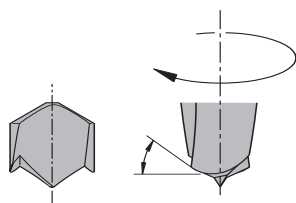
Spare parts

990.003.00 Screw M5x10mm

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.



Down cut round engraver

2 Flute Dowel Drills

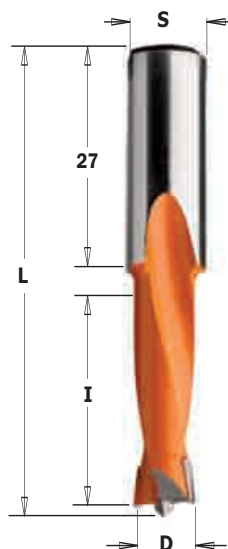
CARBIDE
TIPPED

Z2

V2

RH

LH

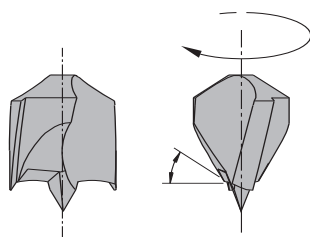


310

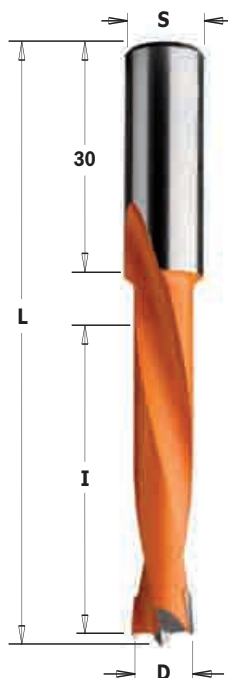
ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation	D		I	L	S
		inches	mm	mm	mm	mm
310.040.11	310.040.12	5/32	4	18	57.5	10x27
310.045.11	310.045.12		4.5	22	57.5	10x27
310.047.11	310.047.12	3/16	4.76	27	57.5	10x27
310.050.11	310.050.12		5	27	57.5	10x27
310.051.11	310.051.12		5.1	27	57.5	10x27
310.052.11	310.052.12		5.2	27	57.5	10x27
310.055.11	310.055.12	7/32	5.55	27	57.5	10x27
310.060.11	310.060.12		6	27	57.5	10x27
310.064.11	310.064.12	1/4	6.35	27	57.5	10x27
310.065.11	310.065.12		6.5	27	57.5	10x27
310.070.11	310.070.12		7	27	57.5	10x27
310.080.11	310.080.12		8	27	57.5	10x27
310.082.11	310.082.12		8.2	27	57.5	10x27
310.090.11	310.090.12		9	27	57.5	10x27
310.095.11	310.095.12	3/8	9.52	27	57.5	10x27
310.100.11	310.100.12		10	27	57.5	10x27
310.110.11	310.110.12		11	27	57.5	10x27
310.120.11	310.120.12		12	27	57.5	10x27
310.127.11	310.127.12	1/2	12.7	27	57.5	10x27
310.130.11	310.130.12		13	27	57.5	10x27
310.140.11	310.140.12		14	27	57.5	10x27
310.150.11	310.150.12		15	27	57.5	10x27
310.160.11	310.160.12		16	27	57.5	10x27

Spare parts

990.003.00 Screw M5x10mm



Negatively ground spurs



362

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		5	44	77	10x30
362.060.11	362.060.12		6	44	77	10x30
362.070.11	362.070.12		7	44	77	10x30
362.080.11	362.080.12	5/16	8	44	77	10x30
362.100.11	362.100.12		10	44	77	10x30
362.120.11	362.120.12		12	44	77	10x30

Spare parts

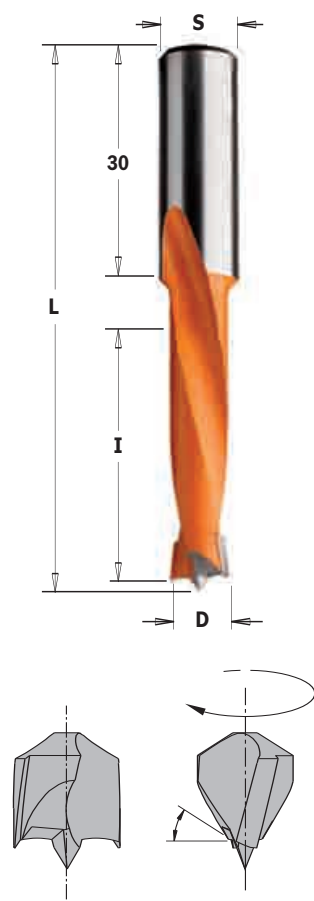
990.003.00 Screw M5x10mm

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.

2 Flute Dowel Drills



Negatively ground spurs

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

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	5/32	4	26	70	10x30
311.045.11	311.045.12		4.5	35	70	10x30
311.047.11	311.047.12	3/16	4.76	35	70	10x30
311.050.11	311.050.12		5	35	70	10x30
311.051.11	311.051.12		5.1	35	70	10x30
311.052.11	311.052.12		5.2	35	70	10x30
311.055.11	311.055.12	7/32	5.55	35	70	10x30
311.060.11	311.060.12		6	35	70	10x30
311.064.11	311.064.12	1/4	6.35	35	70	10x30
311.065.11	311.065.12		6.5	35	70	10x30
311.070.11	311.070.12		7	35	70	10x30
311.080.11	311.080.12		8	35	70	10x30
311.082.11	311.082.12		8.2	35	70	10x30
311.090.11	311.090.12		9	35	70	10x30
311.095.11	311.095.12	3/8	9.52	35	70	10x30
311.100.11	311.100.12		10	35	70	10x30
311.110.11	311.110.12		11	35	70	10x30
311.111.11	311.111.12	7/16	11.1	35	70	10x30
311.120.11	311.120.12		12	35	70	10x30
311.127.11	311.127.12	1/2	12.7	35	70	10x30
311.130.11	311.130.12		13	35	70	10x30
311.140.11	311.140.12		14	35	70	10x30
311.150.11	311.150.12		15	35	70	10x30
311.160.11	311.160.12		16	35	70	10x30

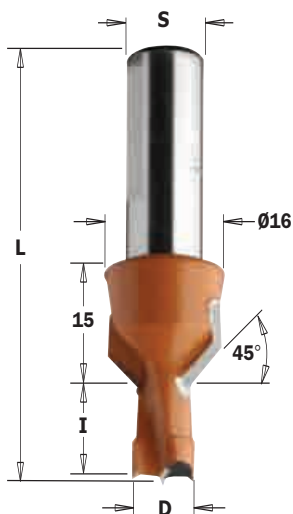
Spare parts

990.003.00 Screw M5x10mm

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.

2 Flute Dowel Drills with countersink



376-377

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	5/16	8	12	57.5	10
376.081.11	376.081.12	5/16	8	15	57.5	10
376.082.11	376.082.12	5/16	8	20	57.5	10
376.100.11	376.100.12		10	12	57.5	10
376.101.11	376.101.12		10	15	57.5	10
376.102.11	376.102.12		10	20	57.5	10
377.080.11	377.080.12	5/16	8	12	70	10
377.081.11	377.081.12	5/16	8	15	70	10
377.082.11	377.082.12	5/16	8	20	70	10
377.100.11	377.100.12		10	12	70	10
377.101.11	377.101.12		10	15	70	10
377.102.11	377.102.12		10	20	70	10

Spare parts

990.003.00 Screw M5x10mm

4 Flute Dowel Drills

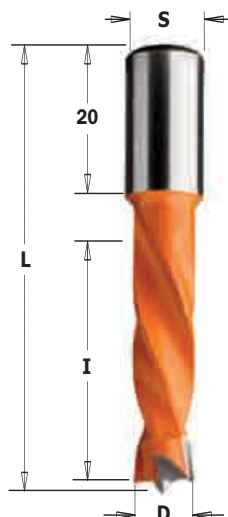
CARBIDE
TIPPED

Z2

V2

RH

LH

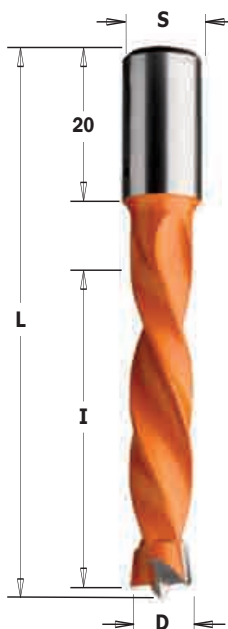


308

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	5/32	4	26	57.5	10x20
308.050.11	308.050.12		5	30	57.5	10x20
308.060.11	308.060.12		6	30	57.5	10x20
308.064.11	308.064.12	1/4	6.35	30	57.5	10x20
308.070.11	308.070.12		7	30	57.5	10x20
308.080.11	308.080.12		8	30	57.5	10x20
308.090.11	308.090.12		9	30	57.5	10x20
308.095.11	308.095.12	3/8	9.52	30	57.5	10x20
308.100.11	308.100.12		10	30	57.5	10x20
308.110.11	308.110.12		11	30	57.5	10x20
308.120.11	308.120.12		12	30	57.5	10x20
308.127.11	308.127.12	1/2	12.7	30	57.5	10x20
308.130.11	308.130.12		13	30	57.5	10x20
308.140.11	308.140.12		14	30	57.5	10x20
308.150.11	308.150.12		15	30	57.5	10x20
308.160.11	308.160.12		16	30	57.5	10x20

Spare parts

990.003.00 Screw M5x10mm



309

CARBIDE
TIPPED

Z2

V2

RH

LH

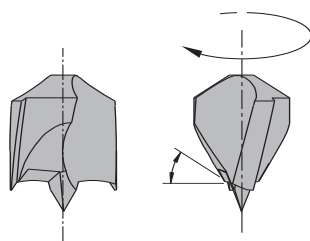
ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation	D		I	L	S
		inches	mm	mm	mm	mm
309.040.11	309.040.12	5/32	4	30	70	10x20
309.050.11	309.050.12		5	43	70	10x20
309.060.11	309.060.12		6	43	70	10x20
309.064.11	309.064.12	1/4	6.35	43	70	10x20
309.070.11	309.070.12		7	43	70	10x20
309.075.11	309.075.12		7.5	43	70	10x20
309.080.11	309.080.12		8	43	70	10x20
309.090.11	309.090.12		9	43	70	10x20
309.095.11	309.095.12	3/8	9.52	43	70	10x20
309.100.11	309.100.12		10	43	70	10x20
309.110.11	309.110.12		11	43	70	10x20
309.120.11	309.120.12		12	43	70	10x20
309.127.11	309.127.12	1/2	12.7	43	70	10x20
309.130.11	309.130.12		13	43	70	10x20
309.140.11	309.140.12		14	43	70	10x20
309.150.11	309.150.12		15	43	70	10x20
309.160.11	309.160.12		16	43	70	10x20

Spare parts

990.003.00 Screw M5x10mm

TECHNICAL DETAILS:

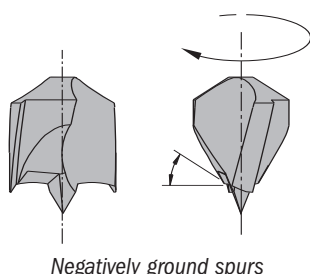
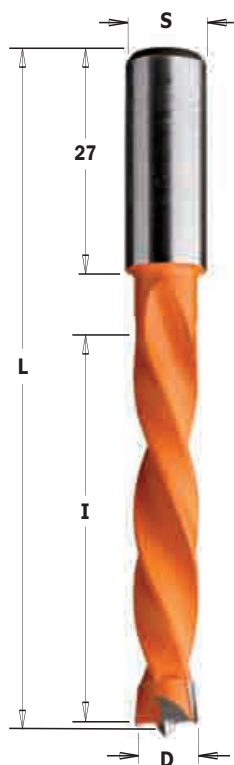
- Super-strength steel
- Spiral portion coated with orange or black P.T.F.E.
- T.C.T. head with precision balanced center point
- 2 precision ground T.C.T. cutting edges (Z2)
- 4 spiral flutes
- 2 negatively ground spurs (V2)
- Parallel shank with driving flat and adjustable screw.



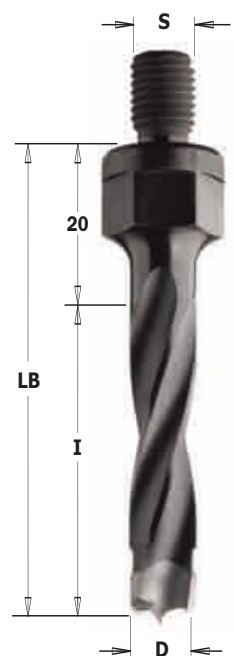
Negatively ground spurs

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



Negatively ground spurs



372

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
372.050.11	372.050.12		5	65	105	10x30
372.060.11	372.060.12		6	65	105	10x30
372.080.11	372.080.12	5/16	8	65	105	10x30
372.100.11	372.100.12		10	65	105	10x30
372.120.11	372.120.12		12	65	105	10x30

Spare parts

990.003.00 Screw M5x10mm

373

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
373.050.11	373.050.12		5	50	85	10x27
373.060.11	373.060.12		6	50	85	10x27
373.080.11	373.080.12	5/16	8	50	85	10x27
373.100.11	373.100.12		10	50	85	10x27
373.120.11	373.120.12		12	50	85	10x27

Spare parts

990.003.00 Screw M5x10mm

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.

346

CARBIDE
TIPPED

Z2

V2

RH

LH

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation	D		I	LB	S
		inches	mm	mm	mm	
346.050.11	346.050.12		5	43	63	M10
346.060.11	346.060.12		6	43	63	M10
346.080.11	346.080.12	5/16	8	43	63	M10
346.100.11	346.100.12		10	43	63	M10
346.120.11	346.120.12		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

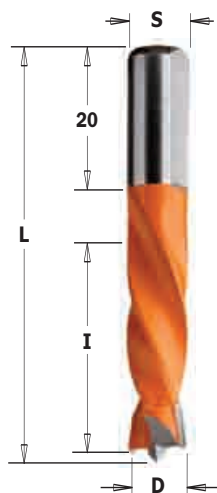


Z2

V2

RH

LH



Available on request

306

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation	D		I	L	S
		inches	mm	mm	mm	mm
306.030.21•			3	18	57.5	8x20
306.050.11	306.050.12		5	30	55.5	8x20
306.055.11	306.055.12	7/32	5.55	30	55.5	8x20
306.060.11	306.060.12		6	30	55.5	8x20
306.064.11	306.064.12	1/4	6.35	30	55.5	8x20
306.070.11	306.070.12		7	30	55.5	8x20
306.080.11	306.080.12		8	30	55.5	8x20
306.090.11	306.090.12		9	30	55.5	8x20
306.100.11	306.100.12		10	30	55.5	8x20
306.120.11	306.120.12		12	30	55.5	8x20

Spare parts

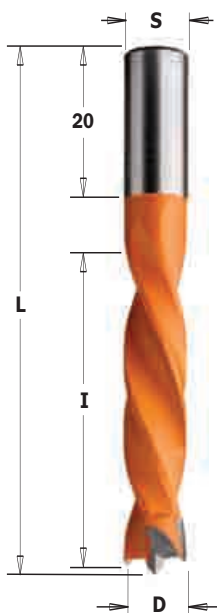
990.003.00 Screw M5x10mm

● Solid Tungsten Carbide

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

307



Z2

V2

RH

LH

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation	D		I	L	S
		inches	mm	mm	mm	mm
307.050.11	307.050.12		5	40	67	8x20
307.055.11	307.055.12	7/32	5.55	40	67	8x20
307.060.11	307.060.12		6	40	67	8x20
307.064.11	307.064.12	1/4	6.35	40	67	8x20
307.070.11	307.070.12		7	40	67	8x20
307.080.11	307.080.12		8	40	67	8x20
307.090.11	307.090.12		9	40	67	8x20
307.095.11	307.095.12	3/8	9.52	40	67	8x20
307.100.11	307.100.12		10	40	67	8x20
307.120.11	307.120.12		12	40	67	8x20

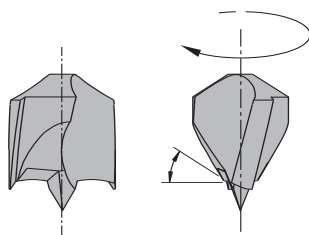
Spare parts

990.003.00 Screw M5x10mm

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.



Negatively ground spurs

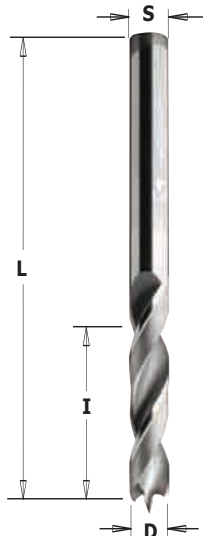
Solid Carbide Twist Drills

SOLID
CARBIDE

Z2

RH

LH



363

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	2	25	49	2
363.025.11	363.025.12	2.5	27	57	2.5
363.030.11	363.030.12	3	27	55	3
363.032.11	363.032.12	3.2	27	52	3.2
363.035.11	363.035.12	3.5	27	52	3.5
363.040.11	363.040.12	4	27	55	4
363.045.11	363.045.12	4.5	28	58	4.5
363.050.11	363.050.12	5	28	62	5
X-Treme new down cut round sharpening					
363.025.21	363.025.22	2.5	27	57	2.5
363.030.21	363.030.22	3	27	55	3
363.040.21	363.040.22	4	27	55	4
363.050.21	363.050.22	5	28	62	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.



"V" Point
sharpening



X-Treme
sharpening

Adaptors & Bushings for Twist Drills



364

ORDER NO.	D ₃ mm	L mm	S mm
364.020.00	2	38	10x20
364.025.00	2.5	38	10x20
364.030.00	3	38	10x20
364.032.00	3.2	38	10x20
364.035.00	3.5	38	10x20
364.040.00	4	38	10x20
364.045.00	4.5	38	10x20
364.050.00	5	38	10x20

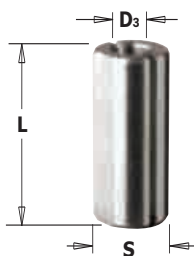
To use with the following items: 363

TECHNICAL DETAILS:

- Super-strength steel
- Quick and secure assembly on twist drills - Precision relief
- Parallel shank with driving flat and length adjusting screw.

APPLICATION:

or use with twist drills with common shank and bushing diameter. Used on boring machines equipped with adaptors chucks.



365

ORDER NO.	D ₃ mm	L mm	S mm
365.020.00	2	23	10
365.025.00	2.5	23	10
365.030.00	3	23	10
365.032.00	3.2	23	10
365.035.00	3.5	23	10
365.040.00	4	23	10
365.045.00	4.5	23	10
365.050.00	5	23	10

To use with the following items: 363

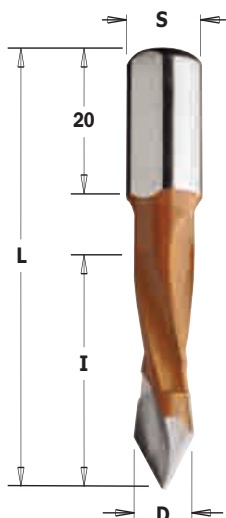
TECHNICAL DETAILS:

- 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.

4 Flute Dowel Drills for Through Holes



374

CARBIDE
TIPPED

Z2

RH

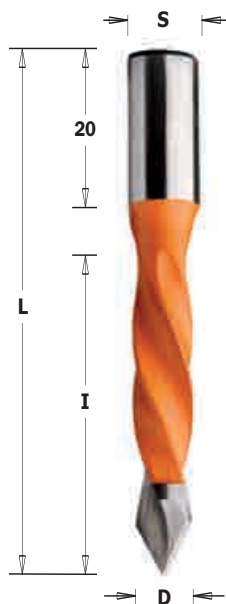
LH

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation	D		I	L	S
		inches	mm	mm	mm	mm
374.050.11	374.050.12		5	30	57.5	10x20
374.080.11	374.080.12	5/16	8	30	57.5	10x20

Spare parts

990.003.00 Screw M5x10mm

For panel with a 25mm maximum thickness



375

CARBIDE
TIPPED

Z2

RH

LH

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation	D		I	L	S
		inches	mm	mm	mm	mm
375.050.11	375.050.12		5	40	70	10x20
375.060.11	375.060.12		6	40	70	10x20
375.070.11	375.070.12		7	40	70	10x20
375.080.11	375.080.12	5/16	8	40	70	10x20
375.100.11	375.100.12		10	40	70	10x20

Spare parts

990.003.00 Screw M5x10mm

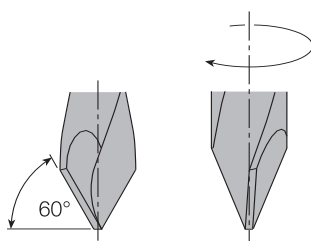
For panel with a 35mm maximum thickness

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)
- 4 spiral flutes
- Parallel shank with driving flat and adjustable screw.

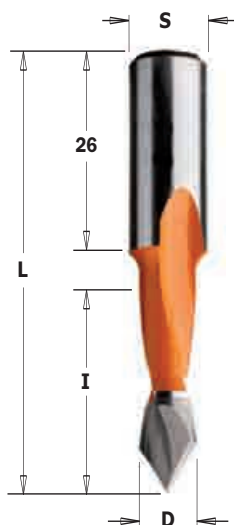
APPLICATION: used on boring machines and dowel drilling devices.

Used for drilling through holes in solid wood, wood composites, plastic and laminated materials.



Through holes 60°

2 Flute Dowel Drills for Through Holes



313

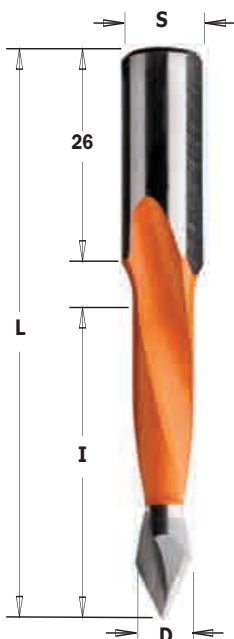


ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation	D		I	L	S
		inches	mm	mm	mm	mm
313.050.11	313.050.12		5	27	57.5	10x26
313.060.11	313.060.12		6	27	57.5	10x26
313.080.11	313.080.12	5/16	8	27	57.5	10x26
313.100.11	313.100.12		10	27	57.5	10x26

Spare parts

990.003.00 Screw M5x10mm

For panel with a 20mm maximum thickness



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	5/32	4	30	70	10x26
314.047.11	314.047.12	3/16	4.76	35	70	10x26
314.050.11	314.050.12		5	35	70	10x26
314.055.11	314.055.12	7/32	5.55	35	70	10x26
314.060.11	314.060.12		6	35	70	10x26
314.064.11	314.064.12	1/4	6.35	35	70	10x26
314.070.11	314.070.12		7	35	70	10x26
314.080.11	314.080.12		8	35	70	10x26
314.090.11	314.090.12		9	35	70	10x26
314.095.11	314.095.12	3/8	9.52	35	70	10x26
314.100.11	314.100.12		10	35	70	10x26
314.120.11	314.120.12		12	35	70	10x26
314.127.11	314.127.12	1/2	12.7	35	70	10x26

Spare parts

990.003.00 Screw M5x10mm

For panel with a 30mm maximum thickness

366

366.050.11	366.050.12		5	44	77	10x26
366.060.11	366.060.12		6	44	77	10x26
366.080.11	366.080.12	5/16	8	44	77	10x26
366.100.11	366.100.12		10	44	77	10x26
366.120.11	366.120.12		12	44	77	10x26

Spare parts

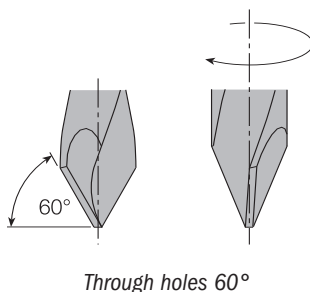
990.003.00 Screw M5x10mm

For panel with a 40mm maximum thickness

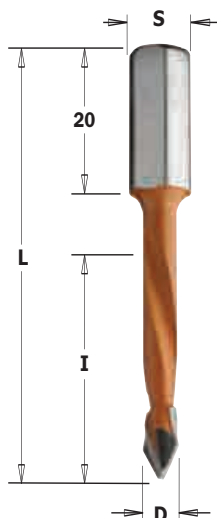
TECHNICAL DETAILS:

- 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 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.



2 Flute Dowel Drills for Through Holes



Available on request

367

CARBIDE
TIPPED

Z2

RH

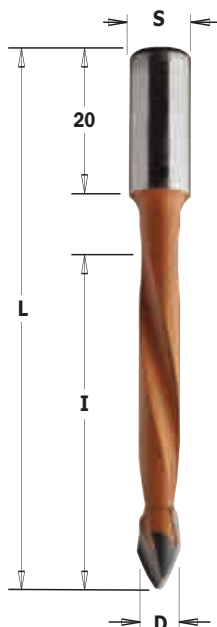
LH

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation	D		I	L	S
		inches	mm	mm	mm	mm
367.050.11	367.050.12		5	30	56	8x20
367.080.11	367.080.12	5/16	8	30	56	8x20

Spare parts

990.003.00 Screw M5x10mm

For panel with a 25mm maximum thickness



Available on request

368

CARBIDE
TIPPED

Z2

RH

LH

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation	D		I	L	S
		inches	mm	mm	mm	mm
368.050.11	368.050.12		5	43	70	8x20
368.060.11	368.060.12		6	43	70	8x20
368.070.11	368.070.12		7	43	70	8x20
368.080.11	368.080.12	5/16	8	43	70	8x20

Spare parts

990.003.00 Screw M5x10mm

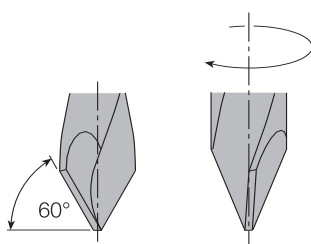
For panel with a 40mm maximum thickness

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.

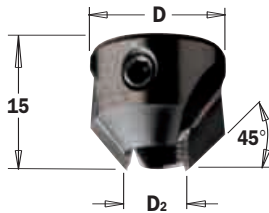
APPLICATION: used on boring machines and dowel drilling devices.

Used for drilling through holes in solid wood, wood composites, plastic and laminated materials.



Through holes 60°

Countersink for 4 Flute Drills



316



ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation	D ₃ mm	D mm
316.040.11	316.040.12	4	16
316.050.11	316.050.12	5	16
316.060.11	316.060.12	6	16
316.070.11	316.070.12	7	16
316.080.11	316.080.12	8	18
316.090.11	316.090.12	9	18
316.100.11	316.100.12	10	20
316.120.11	316.120.12	12	20

Spare parts

990.002.00	Screw M5x5mm
991.062.00	Allen key 2.5mm

For assembly on the spiral head of the bit. Adjustable depth.

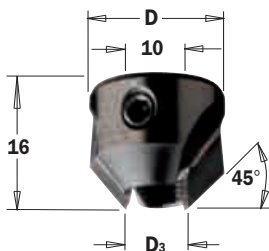
For use with the following parts: 306-307-308-309-344-346-372-373-374-375 carbide tipped

TECHNICAL DETAILS:

- Super-strength steel
- 2 precision ground carbide tipped cutting edges (Z2)

APPLICATION: used for chamfering and drilling in solid wood, wood composites, plastic and laminated materials.

Countersink for 2 Flute Drills



315



ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation	D ₃ mm	D mm
315.200.11	315.200.12	From 5 to 10	20
315.220.11	315.220.12	From 11 to 12	22

Spare parts

990.006.00	Screw M5x5mm
991.062.00	Allen key 2.5mm

For assembly on the shank of the drill.

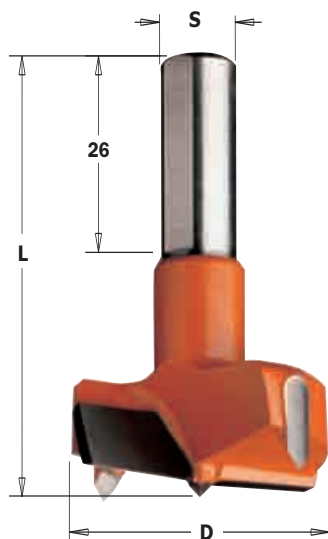
For use with the following parts: 310-311-362-313-314-366 carbide tipped

TECHNICAL DETAILS:

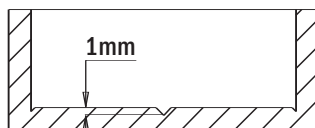
- Super-strength steel
- 2 precision ground carbide tipped cutting edges (Z2)
- Clamps directly on to the shank of the drills.

APPLICATION: used for chamfering and drilling in solid wood, wood composites, plastic and laminated materials.

Hinge Boring Bits



New construction with 1mm centre point



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.

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.

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	14	57.5	10x26
317.150.11	317.150.12	15	57.5	10x26
317.160.11	317.160.12	16	57.5	10x26
317.170.11	317.170.12	17	57.5	10x26
317.180.11	317.180.12	18	57.5	10x26
317.190.11	317.190.12	19	57.5	10x26
317.200.11	317.200.12	20	57.5	10x26
317.220.11	317.220.12	22	57.5	10x26
317.240.11	317.240.12	24	57.5	10x26
317.250.11	317.250.12	25	57.5	10x26
317.260.11	317.260.12	26	57.5	10x26
317.280.11	317.280.12	28	57.5	10x26
317.300.11	317.300.12	30	57.5	10x26
317.320.11	317.320.12	32	57.5	10x26
317.350.11	317.350.12	35	57.5	10x26
317.380.11	317.380.12	38	57.5	10x26
317.400.11	317.400.12	40	57.5	10x26

369

CARBIDE TIPPED

Z2

V2

RH

LH

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation	D mm	L mm	S mm
369.140.11	369.140.12	14	70	10x26
369.150.11	369.150.12	15	70	10x26
369.160.11	369.160.12	16	70	10x26
369.180.11	369.180.12	18	70	10x26
369.200.11	369.200.12	20	70	10x26
369.220.11	369.220.12	22	70	10x26
369.250.11	369.250.12	25	70	10x26
369.260.11	369.260.12	26	70	10x26
369.300.11	369.300.12	30	70	10x26
369.350.11	369.350.12	35	70	10x26
369.400.11	369.400.12	40	70	10x26

Spare parts

990.003.00 Screw M5x10mm

Diamond Hinge Boring Bits



317

DP

Z2

V2

RH

LH

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation	D mm	L mm	S mm
317.150.61	317.150.61	15	57.5	10x26
317.350.61	317.350.61	35	57.5	10x26

369

ORDER NO.	ORDER NO.	D mm	L mm	S mm
369.150.61	369.150.61	15	70	10x26
369.350.61	369.350.61	35	70	10x26

TECHNICAL DETAILS:

- Super-strength steel - DP (Polycrystalline Diamond) head with precision balanced centre point
- 2 precision ground DP (Polycrystalline Diamond) cutting edges (Z2)
- 2 negatively ground DP (Polycrystalline Diamond) spurs (V2)
- Parallel shank with driving flat and adjustable screw.

APPLICATION: ideal for hinges. Use on boring machines equipped with adaptors or chucks. Use for drilling accurate and clean-cut blind holes in wood composites, plastic and laminated materials. Long lasting boring performance 20 times comparing to carbide.

20X
LONGER LIFE
THAN CARBIDE



301

RH **LH**

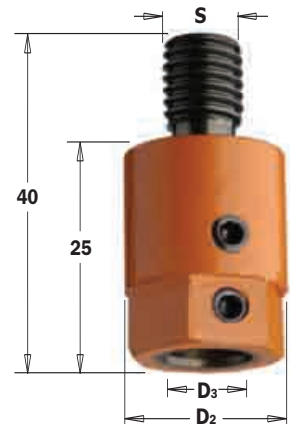
ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation	D ₃ mm	D ₂ mm	S
301.000.01	301.000.02	10	19.5	M8

Spare parts

990.006.00	Screw M5x5mm
991.062.00	Allen key 2.5mm

For use on the following machines:
Nottmeyer (older models)

Available on request



302

RH **LH**

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation	D ₃ mm	D ₂ mm	S
302.000.01	302.000.02	10	19.5	M10

Spare parts

990.006.00	Screw M5x5mm
991.062.00	Allen key 2.5mm

For use on the following machines:
Ayen, Holzma, Knoevenagel, Mayer, Torwegge

Available on request



303

RH **LH**

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation	D ₃ mm	D ₂ mm	S
303.000.01	303.000.02	10	19.5	M10

Spare parts

990.006.00	Screw M5x5mm
991.062.00	Allen key 2.5mm

For use on the following machines:
Alberti (older models)
Balestrini, Bilek, Busellato (older models)
Schleicher, Vitap (older models)

Available on request



305

RH **LH**

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation	D ₃ mm	D ₂ mm	S
305.000.01	305.000.02	10	19.5	M10/11

Spare parts

990.006.00	Screw M5x5mm
991.062.00	Allen key 2.5mm

For use on the following machines:
Biesse (older models)
Masterwood (Zangheri & Boschetti)
Morbidelli, Torwegge, Vitap (new design)
Weeke



360.001

RH LH

ORDER NO. Right-hand rotation	ORDER NO. Left-hand rotation	D ₃ mm	D ₂ mm
360.001.01	360.001.02	10	20

Spare parts

990.006.00	Screw M5x5mm
991.062.00	Allen key 2.5mm

For use on the following machines:

For Biesse machines with quick drill change attachment

TECHNICAL DETAILS:

- High precision - total reliability - Perfectly centred - Rotation defect-free
- Super-strength steel - Precision relief on all surfaces - Quick drill change
- Adaptable to a variety of different spindle nose designs



360.101

RH LH

ORDER NO. Right-hand & Left-hand	D ₃ mm	D ₂ mm
360.101.00	10	18

Spare parts

990.015.00	Screw M5x4mm
991.062.00	Allen key 2.5mm

For use on the following machines:

Vitap



360.201

RH LH

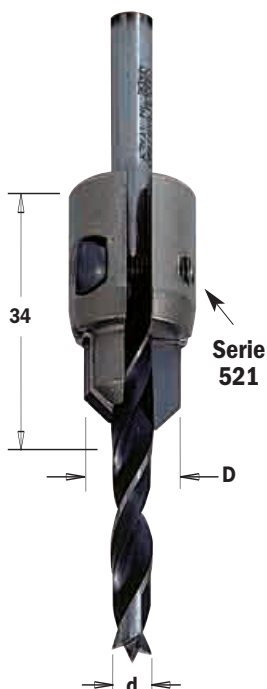
ORDER NO. Right-hand & Left-hand	D ₃ mm	D ₂ mm
360.201.00	10	19.25

Spare parts

990.015.00	Screw M5x4mm
991.062.00	Allen key 2.5mm

For use on the following machines:

Morbidelli

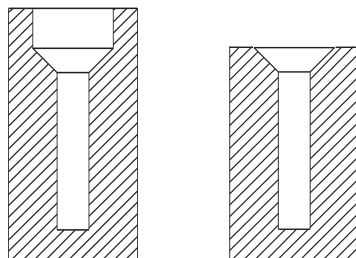


521



ORDER NO. Right-hand rotation	D inches	d inches
521.001.11	from 7/16 to 19/32	from 3/32 to 9/32

Supplied with hex key



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



391



ORDER NO. Right-hand rotation	D mm	L inches	S inches
391.351.11	35	2-39/64	1/2
391.352.11	35	2-39/64	3/8

TECHNICAL DETAILS:

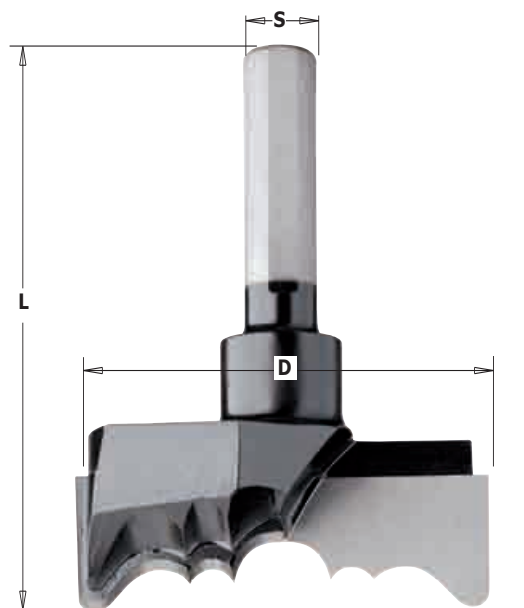
- Super-strength steel
- Cutter portion coated with black P.T.F.E.
- T.C.T. head with precision balanced center point
- 2 precision ground T.C.T. cutting edges (Z2)
- Parallel shank.

APPLICATION: used for drilling blind holes in solid wood, wood composites, plastic and laminated materials. Ideal for hinges.

Rosette Cutters

new

CMT ORANGE TOOLS®



531

CARBIDE
TIPPED

Z2

RH

ORDER NO. Right-hand rotation	D inches	L inches	S inches
531.541	2-1/8	2-57/64	3/8
531.542	2-1/8	2-13/16	3/8
531.543	2-1/8	2-21/32	3/8
531.544	2-1/8	2-27/32	3/8
531.701	2-1/8	3-1/64	3/8
531.702	2-1/8	2-29/32	3/8

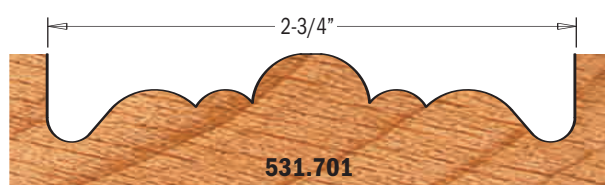
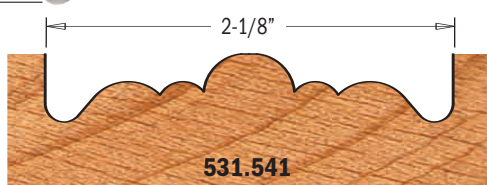
TECHNICAL DETAILS:

- Super strength steel HS
- 2 precision ground carbide cutting edges (Z2)
- Parallel shank with hexagonal
- Right-hand rotation (RH)

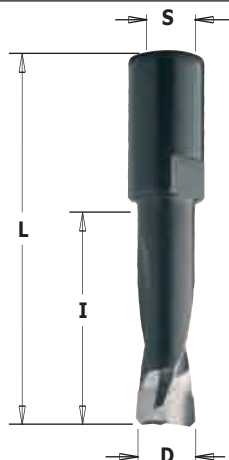
APPLICATION: to use on standing drilling machine and drilling power tools at low RPM (Max 1800 RPM).



Drawings are 1:1 scale



Bits for Domino® Joining Machine by Festool®



380

CARBIDE
TIPPED

Z2

RH

ORDER NO. Right-hand rotation	D mm	I mm	L mm	S mm
380.040.11	4	11	38	M6x0,75
380.050.11	5	20	49	M6x0,75
380.060.11	6	28	49	M6x0,75
380.080.11	8	28	49	M6x0,75
380.100.11	10	28	49	M6x0,75

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.

Forstner Bits



537

SP Z2 V2 RH

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	1/4	3-35/64	3/8	537.100.31	10	90	8
537.095.31	3/8	3-35/64	3/8	537.120.31	12	90	8
537.127.31	1/2	3-35/64	3/8	537.140.31	14	90	8
537.158.31	5/8	3-35/64	3/8	537.150.31	15	90	8
537.190.31	3/4	3-35/64	3/8	537.160.31	16	90	8
537.222.31	7/8	3-35/64	3/8	537.180.31	18	90	8
537.254.31	1	3-35/64	3/8	537.200.31	20	90	8
537.285.31	1-1/8	3-35/64	3/8	537.220.31	22	90	8
537.317.31	1-1/4	3-35/64	3/8	537.240.31	24	90	8
537.349.31	1-3/8	3-35/64	3/8	537.250.31	25	90	8
537.381.31	1-1/2	3-35/64	3/8	537.260.31	26	90	8
537.413.31	1-5/8	3-35/64	3/8	537.280.31	28	90	8
537.445.31	1-3/4	3-35/64	3/8	537.300.31	30	90	8
537.476.31	1-7/8	3-35/64	3/8	537.320.31	32	90	10
537.508.31	2	3-35/64	3/8	537.350.31	35	90	10
537.540.31	2-1/8	3-35/64	3/8	537.380.31	38	90	10
				537.400.31	40	90	10
				537.450.31	45	90	10
				537.500.31	50	90	10
				537.550.31	55	90	10
				537.680.31	68	159	12.5

TECHNICAL DETAILS:

- Super-strength steel SP steel
- Precision balanced center point - 2 spurs (V2)
- 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.

SP Z2 V2 RH



ORDER NO.	Set contains	Bits Description
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

Mortise Chisel & Bit Sets



543

HS Z1 RH

ORDER NO. Right-hand rotation	D inches	S inches
543.064.51	1/4	3/4
543.079.51	5/16	3/4
543.095.51	3/8	3/4
543.127.51	1/2	3/4
543.158.51	5/8	3/4
543.190.51	3/4	3/4

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 machine.

Plug Cutters



529

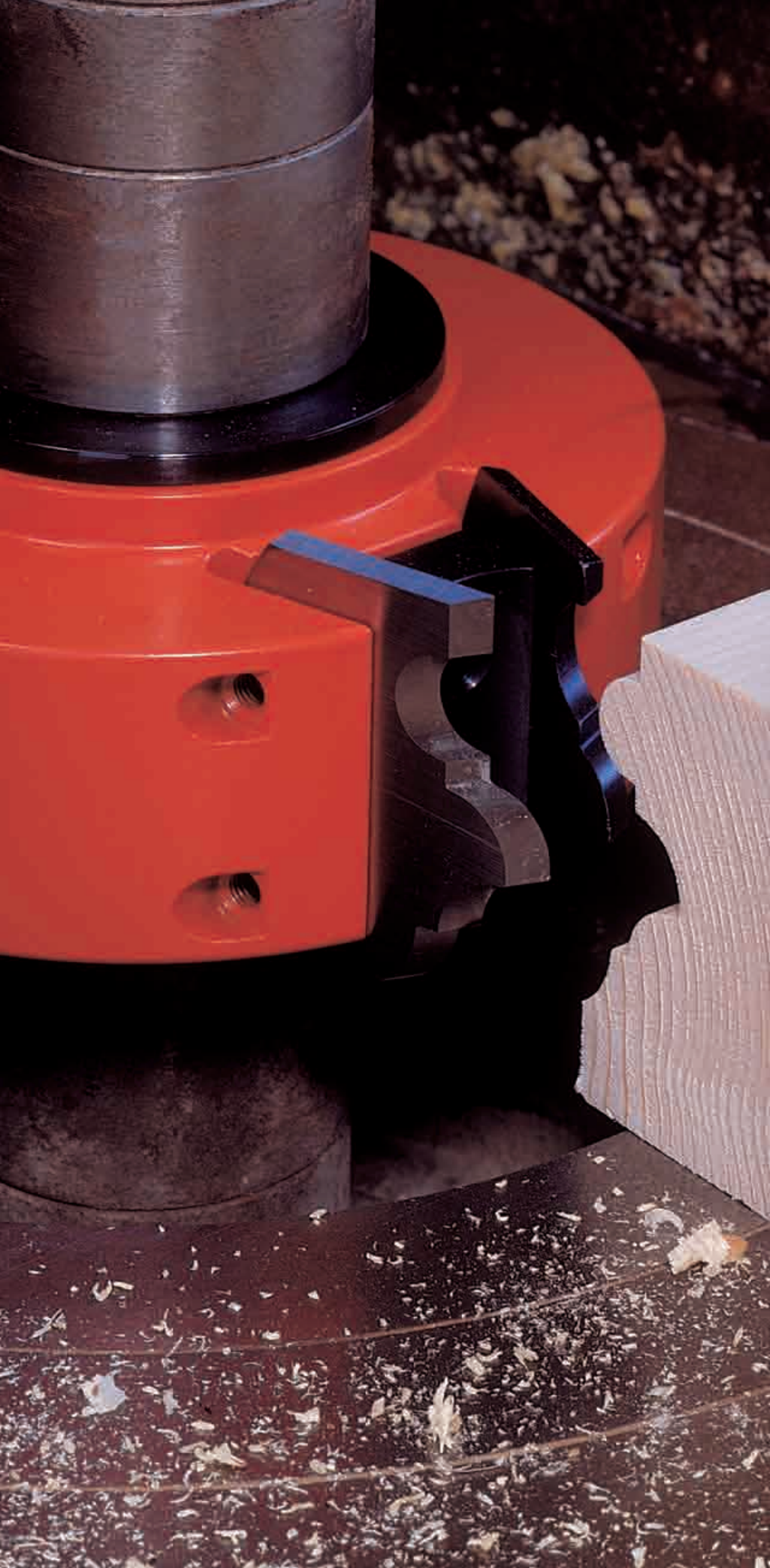
SP RH

ORDER NO. Right-hand rotation	D inches	L inches	S inches	T
529.095.31	3/8	5-1/2	1/2	4
529.127.31	1/2	5-1/2	1/2	4
529.158.31	5/8	5-1/2	1/2	4
529.191.31	3/4	5-1/2	1/2	4
529.222.31	7/8	5-1/2	1/2	4
529.254.31	1	5-1/2	1/2	5
529.317.31	1-1/4	6-5/16	1/2	5
529.349.31	1-3/8	6-5/16	5/8	6
529.381.31	1-1/2	6-5/16	5/8	6
529.413.31	1-5/8	6-5/16	5/8	6
529.445.31	1-3/4	6-5/16	5/8	6
529.508.31	2	6-5/16	5/8	6

TECHNICAL DETAILS:

- SP steel
- Long lasting cutter performance.

APPLICATION: used to make plugs in hard and soft woods.



Cutter Heads, Insert Knives and Spare Parts

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Rabbeting Cutter Head

CMT ORANGE
TOOLS®
INSERT
CARBIDE

MAN

Z2

V4



694.100

These rabbeting cutter heads have been designed for rabbeting, joining and grooving materials of various thicknesses in your spindle moulder machines, double-end tenoner and edging machines.

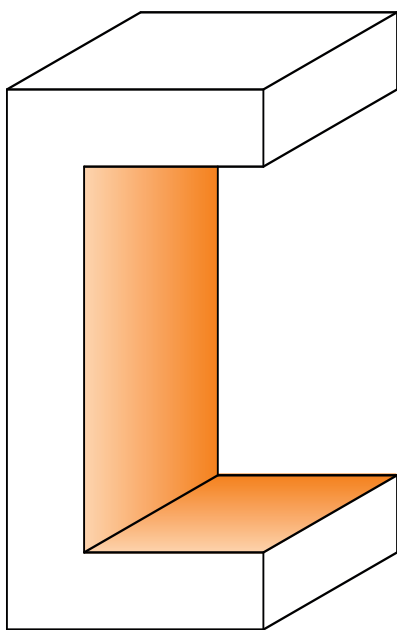
Ideal for coated and uncoated man made boards, plastic material and hard and soft wood.

Improved design with shear angle.

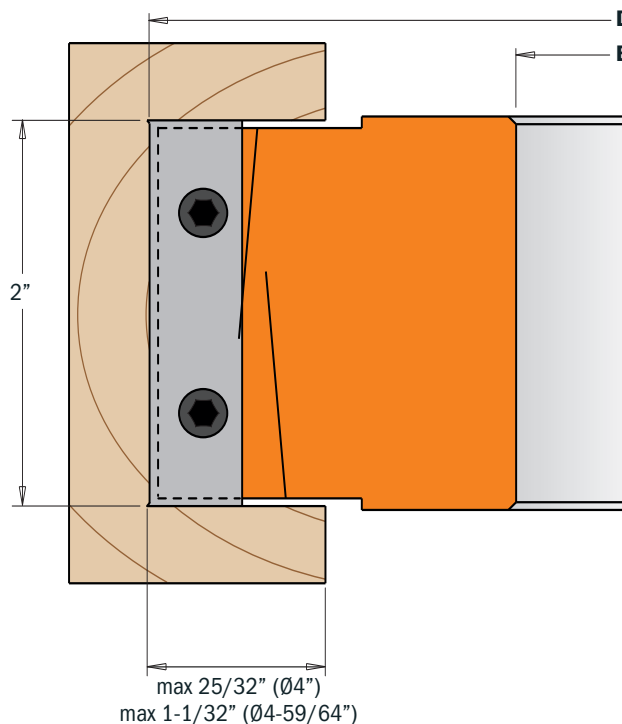
Technical details:

- Heavy duty aircraft aluminum body
- 2 universal solid carbide straight knives 50x12x1,5mm [Z2]
- 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.	D		B		T	RPM	Spare parts			
	inches	mm	inches	mm			Solid carbide Knives	Wedge for knives	Screw	Hex key
694.100.19	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	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
990.080.00 Screw M5x6,5mm for knives 790.140.00
991.061.00 Torx key T15

3 piece Adjustable Grooving Set



694.001

INSERT
CARBIDE

MAN

Z4

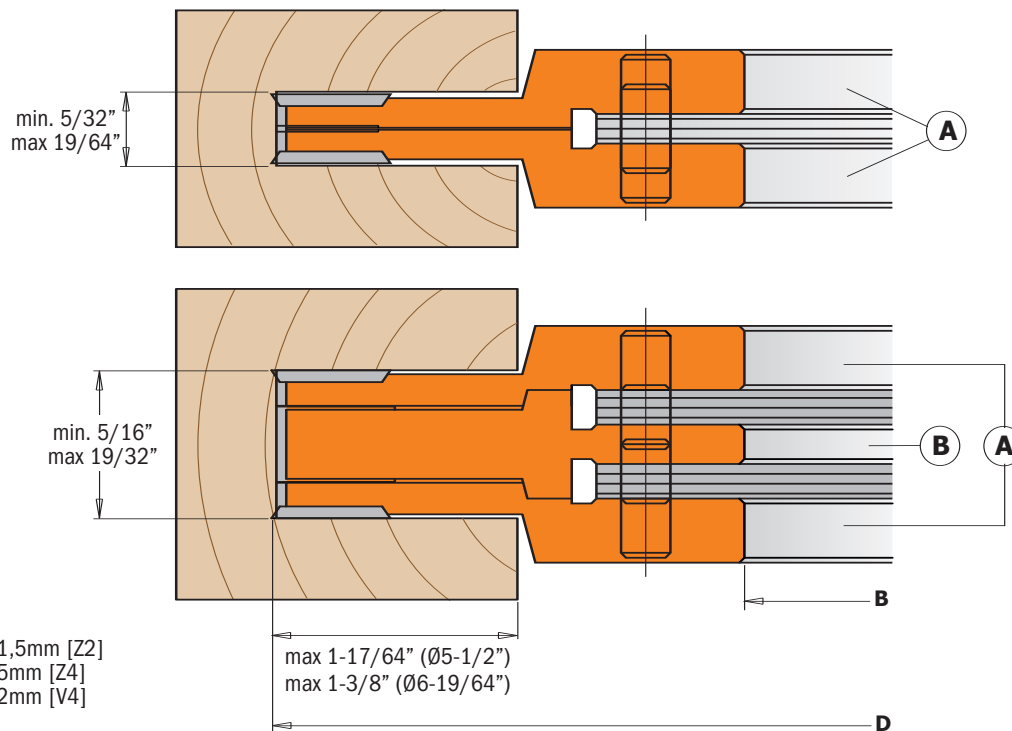
V4



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

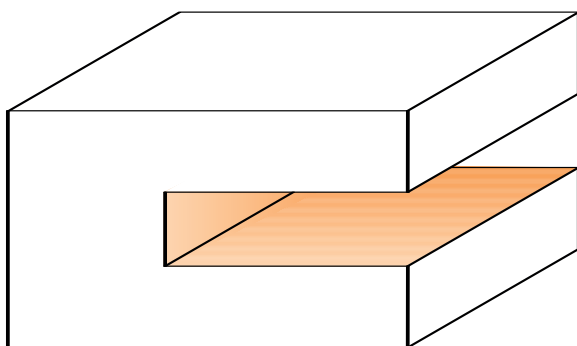
Perfect grooving in all materials, but ideal on solid woods, plywood and laminated panels.



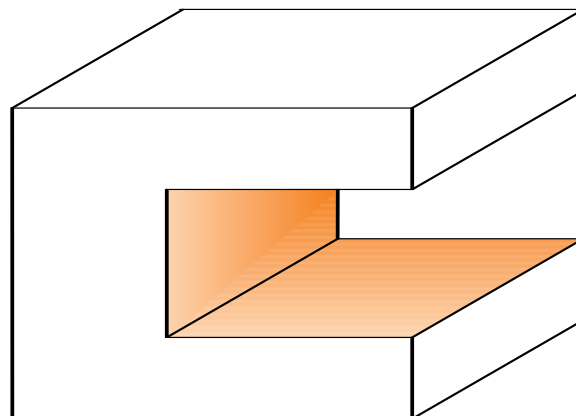
Technical details:

- 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			Solid carbide Knives	Wedge for knives	Solid carbide Knives	Spacer set
694.001.31	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
- 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
- 991.069.00** Torx key T9
- 991.072.00** Torx key T20

45° Chamfer Cutter Head

CMT ORANGE TOOLS®

 INSERT
CARBIDE

MAN

Z2

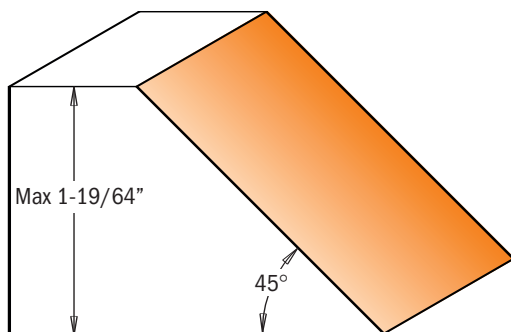
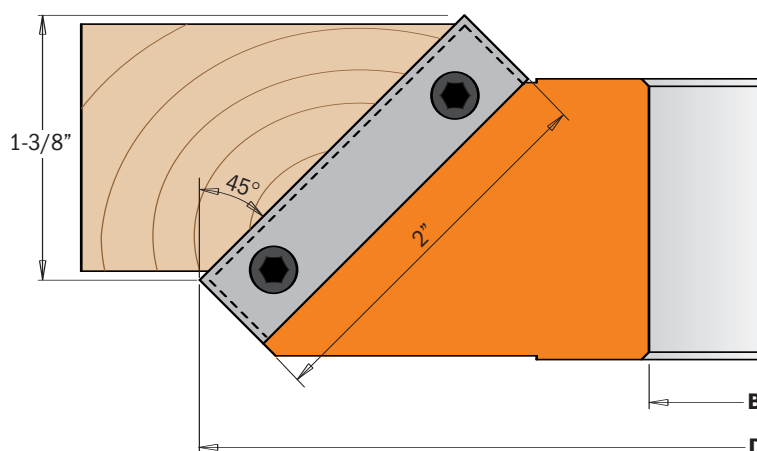

694.002

CMT Chamfer cutter heads cut 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.

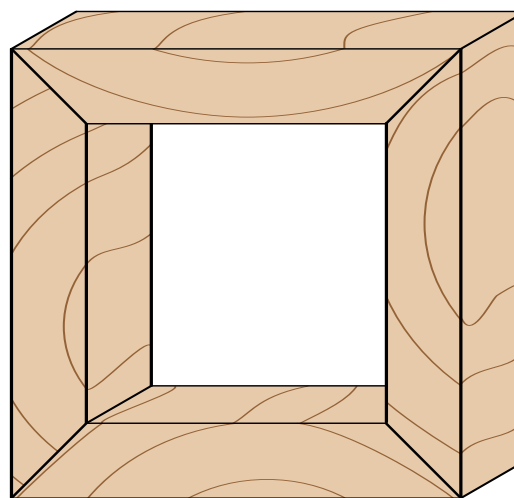
Technical details:

- Heavy duty aircraft aluminum 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


Spare parts

ORDER NO.	D		B		T	RPM	Spare parts			
	inches	mm	inches	mm			Solid carbide Knives	Wedge for knives	Screw	Hex key
694.002.31	5-29/32	150	1-1/4	31.75	2	5100~8800	790.500.00	695.999.41	990.086.00	991.064.00

2 piece Adjustable Rounding & Chamfering Set



694.005

INSERT
CARBIDE

MAN

Z2+2

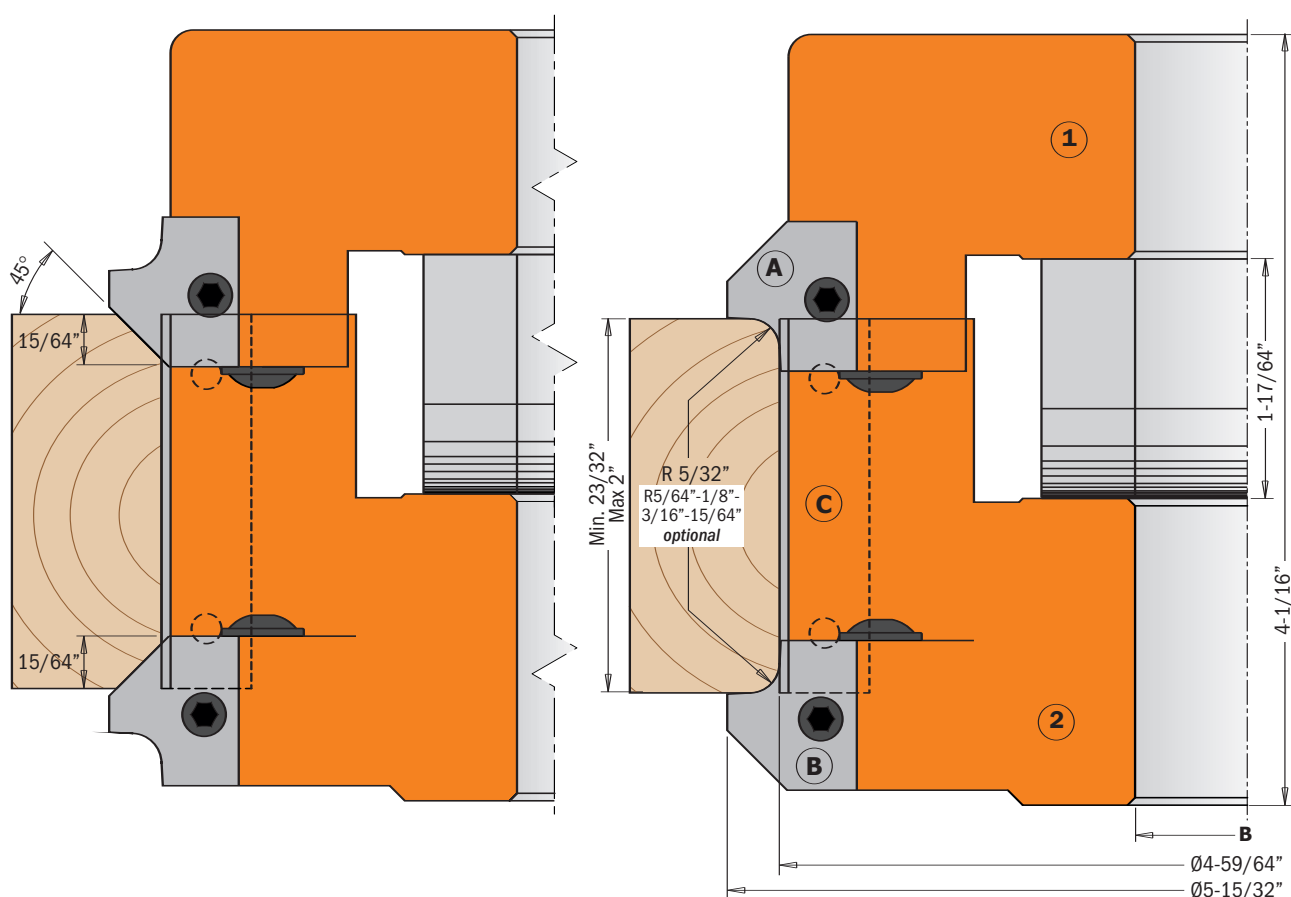


The CMT adjustable rounding and chamfering set is a two piece set which are easy to set up in your shaper. The system allows you to roundover both top and bottom edges in one pass with a radius of 5/64", 1/8", 5/32", 3/16" and 15/64" and it allows 45 degree chamfering in material from 18mm to 50mm thick. The improved design with shear angle guarantees a perfect finish.

Technical details:

- Heavy duty aircraft aluminum 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.	D		B		T	RPM	Spare parts			
	inches	mm	inches	mm			Wedge for knives	Wedge for knives	Screw	Spacer set
694.005.31	5-15/32	139	1-1/4	31.75	2+2	5500~9400	695.999.17	695.999.46	990.086.00	695.998.12

Spare parts	695.005.A2	Pair of knives for roundover/chamfer (top) R=5/64"+45°
	695.005.A3	Pair of knives for roundover/chamfer (top) R=1/8"+45°
	695.005.A4	Pair of knives for roundover/chamfer (top) R=5/32"+45°
	695.005.A5	Pair of knives for roundover/chamfer (top) R=3/16"+45°
	695.005.A6	Pair of knives for roundover/chamfer (top) R=15/64"+45°

695.005.B2	Pair of knives for roundover/chamfer (bottom) R=5/64"+45°
695.005.B3	Pair of knives for roundover/chamfer (bottom) R=1/8"+45°
695.005.B4	Pair of knives for roundover/chamfer (bottom) R=5/32"+45°
695.005.B5	Pair of knives for roundover/chamfer (bottom) R=3/16"+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

Multiadius Roundover Cutter Head



694.003

INSERT
CARBIDE

MAN

Z2



Innovative cutter heads supporting three different knives making six radius roundover profiles. The standard cutter heads is delivered with knives radius 3/16" and 25/64"; two more knives 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.

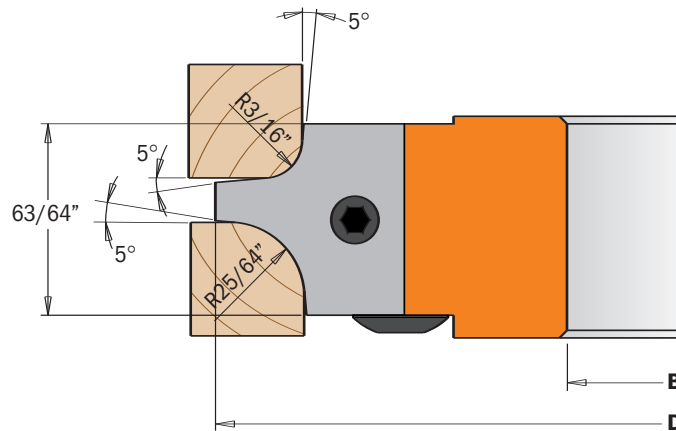
Technical details:

- Heavy duty aircraft aluminum 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.

Standard

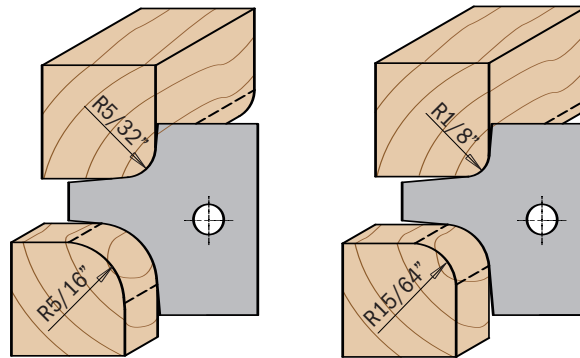
Pair knives 695.003.05



Optional

Pair knives 695.003.04

Pair knives 695.003.03



Drawings are 1:1 scale

Spare parts

ORDER NO.	D		B		T	RPM	Pair of knives R=5/10mm	Wedge for knives	Screws	Hex key
	inches	mm	inches	mm						
694.003.31	4-29/64	113	1-1/4	31.75	2	6700~11000	695.003.05	695.999.22	990.086.00	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)

Multiradius Roundover Cutter Head



694.004

INSERT
CARBIDE

MAN

Z2



Innovative cutter heads supporting two different knives making four radius roundover profiles. The standard cutter head is delivered with knives radius 19/32" and 25/32"; one more knives set is available to make radius 15/32"-23/32". Excellent results in most materials but ideal on solid wood and coated and uncoated man made materials.

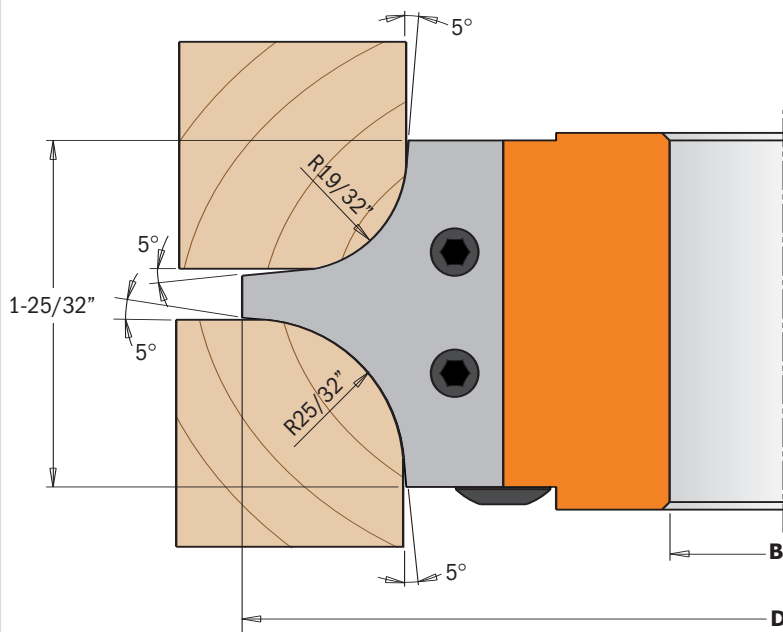
Technical details:

- Heavy duty aircraft aluminum 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.

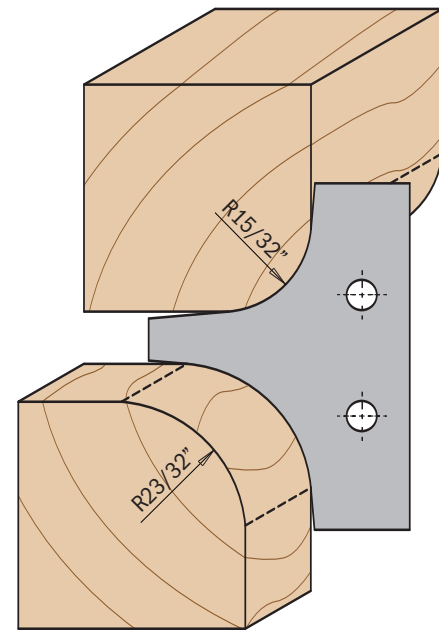
Standard

Pair knives 695.004.15



Optional

Pair knives 695.004.12



Drawings are 1:1 scale

Spare parts

ORDER NO.	D		B		T	RPM				
	inches	mm	inches	mm			Pair of knives	Wedge for knives	Screws	Hex key
694.004.31	5-13/64	132	1-1/4	31.75	2	5700~9500	694.004.15	695.999.42	990.086.00	991.064.00

Optional **695.004.12** Pair of profiled knives R=15/32" and 23/32" (45x34,5x2mm)

Saw Blades

Router Bits

Router Bits
Sets

Jigs
& Accessories

CNC Router Bits
& Chucks

Dowel Drills

Boring Bits

Cutter Heads
& Knives

Spare Parts

Roundover and Cove Cutter Head



INSERT
CARBIDE

MAN

Z2



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.

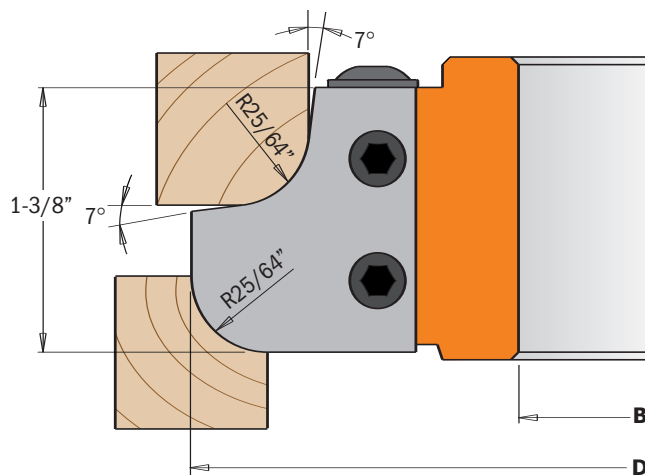
Technical details:

- Heavy duty aircraft aluminum 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.

Standard

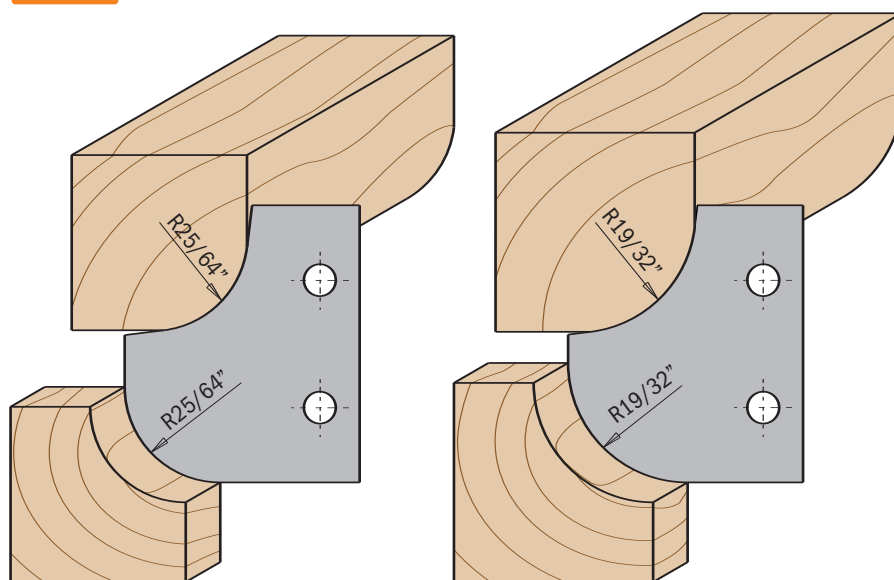
Pair knives 695.007.10



Optional

Pair knives 695.007.12

Pair knives 695.007.15



Spare parts

ORDER NO.	D		B		T	RPM	Pair of knives	Wedge for knives	Screws	Hex key
694.007.31	inches	mm	inches	mm						
	4-3/4	121	1-1/4	31.75	2	6300~10500	695.007.10	695.999.31	990.086.00	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)

Professional Finger Joint Cutter Head



694.008

INSERT
CARBIDE

MAN

Z2

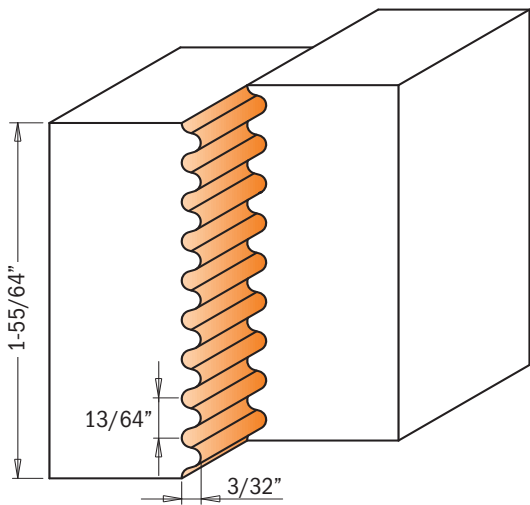
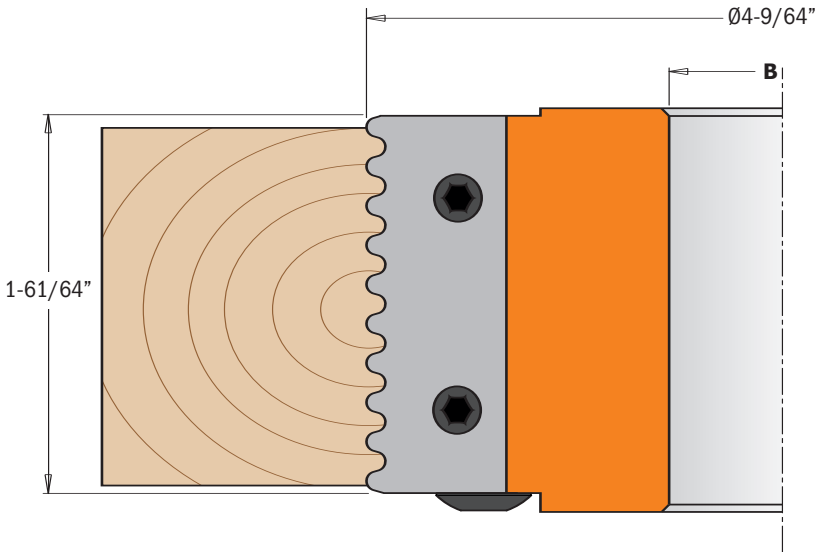


The professional CMT finger joint cutter head lets you make one of the most incredibly strong side-to-side joints in all wood and wood composites. The tightness of the accurately cut joint and the maximum glue surface create a joint that is actually stronger than an unworked piece of wood, in stock with 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 and uncoated man made material.

Technical details:

- Heavy duty aircraft aluminum 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.	D		B		T	RPM	Spare parts			
	inches	mm	inches	mm			Pair of Knives	Wedge for knives	Screw	Hex key
694.008.31	4-9/64	105	1-1/4	31.75	2	7300~11500	695.008.01	695.999.49	990.066.00	991.067.00

Optional 695.998.2631 Guide ring with bore 1-1/4"

Reverse Glue Joint Cutter Head



INSERT
CARBIDE

MAN

Z2



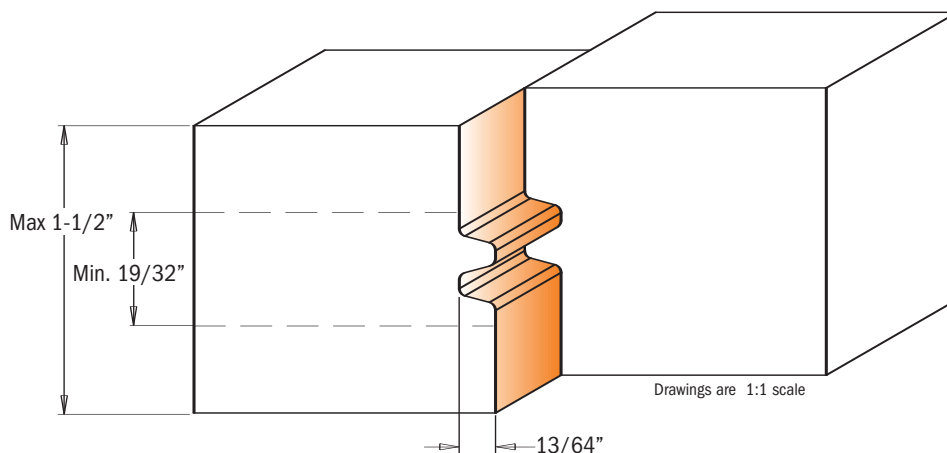
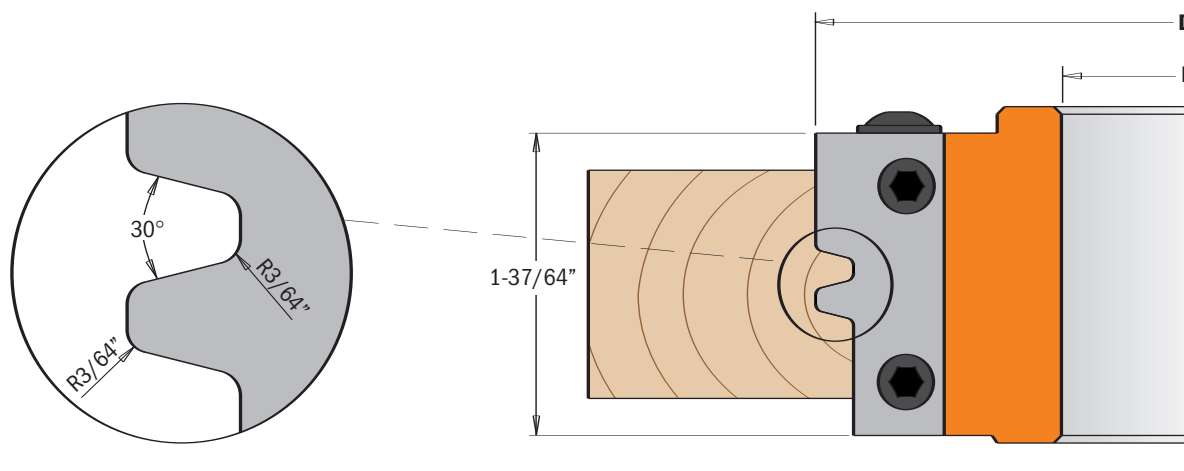
694.009

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 and uncoated man made materials.

Technical details:

- Heavy duty aircraft aluminum 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.



Spare parts

ORDER NO.	D		B		T	RPM				
	inches	mm	inches	mm			Pair of Knives	Wedge for knives	Screw	Hex key
694.009.31	4	100	1-1/4	31.75	2	7500~12500	695.009.01	695.999.38	990.086.00	991.064.00

45° Lock Miter Cutter Head



694.011

INSERT
CARBIDE

MAN

Z2



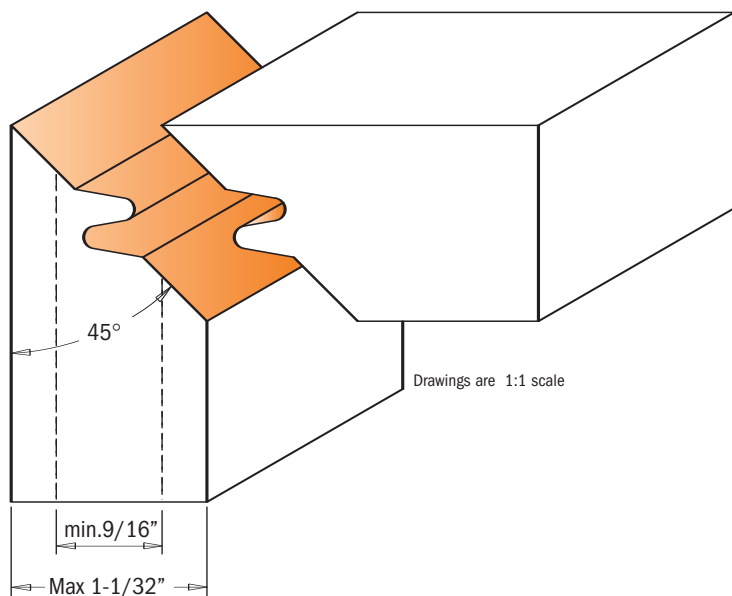
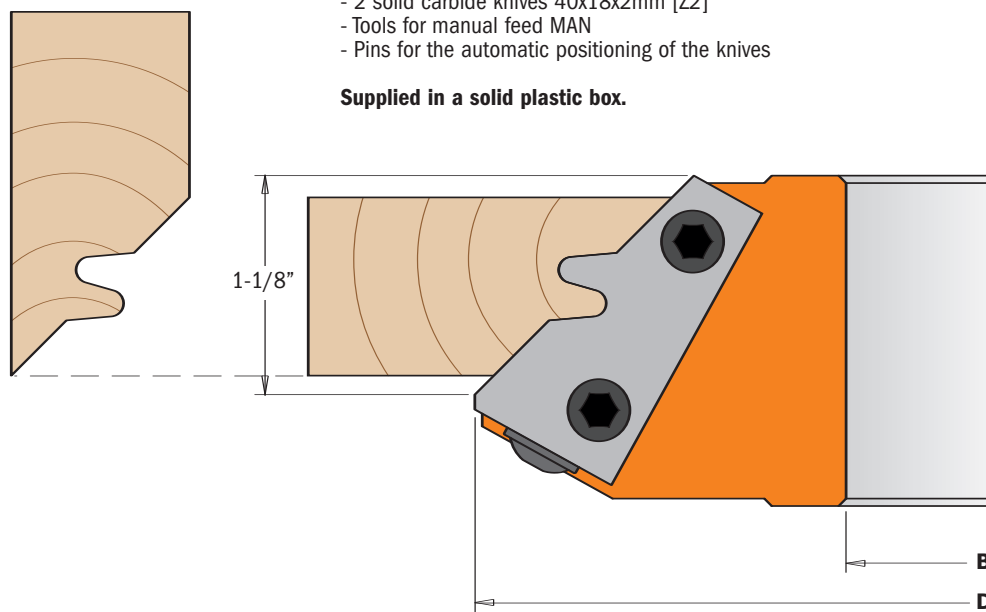
CMT lock miter cutter heads bits are ideal for milling miter joints in max 1" stock. The quick and easy way to accurately create boxes, stretcher bars, frames and any assortment of right angle or parallel joint projects. The lock miter cutter head produces perfectly fitting 45 degree miter joints in 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.

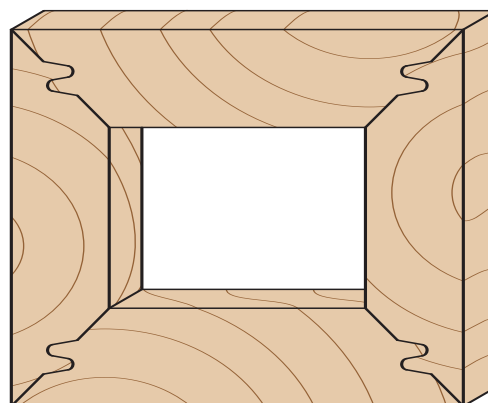
Technical details:

- Heavy duty aircraft aluminum 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.



Drawings are 1:1 scale



ORDER NO.	D		B		T	RPM	Spare parts			
	inches	mm	inches	mm			Pair of Knives	Wedge for knives	Screw	Hex key
694.011.31	5-1/2	140	1-1/4	31.75	2	5500~9500	695.011.01	695.999.42	990.086.00	991.064.00

Professional Raised Panel Cutter Head



694.013

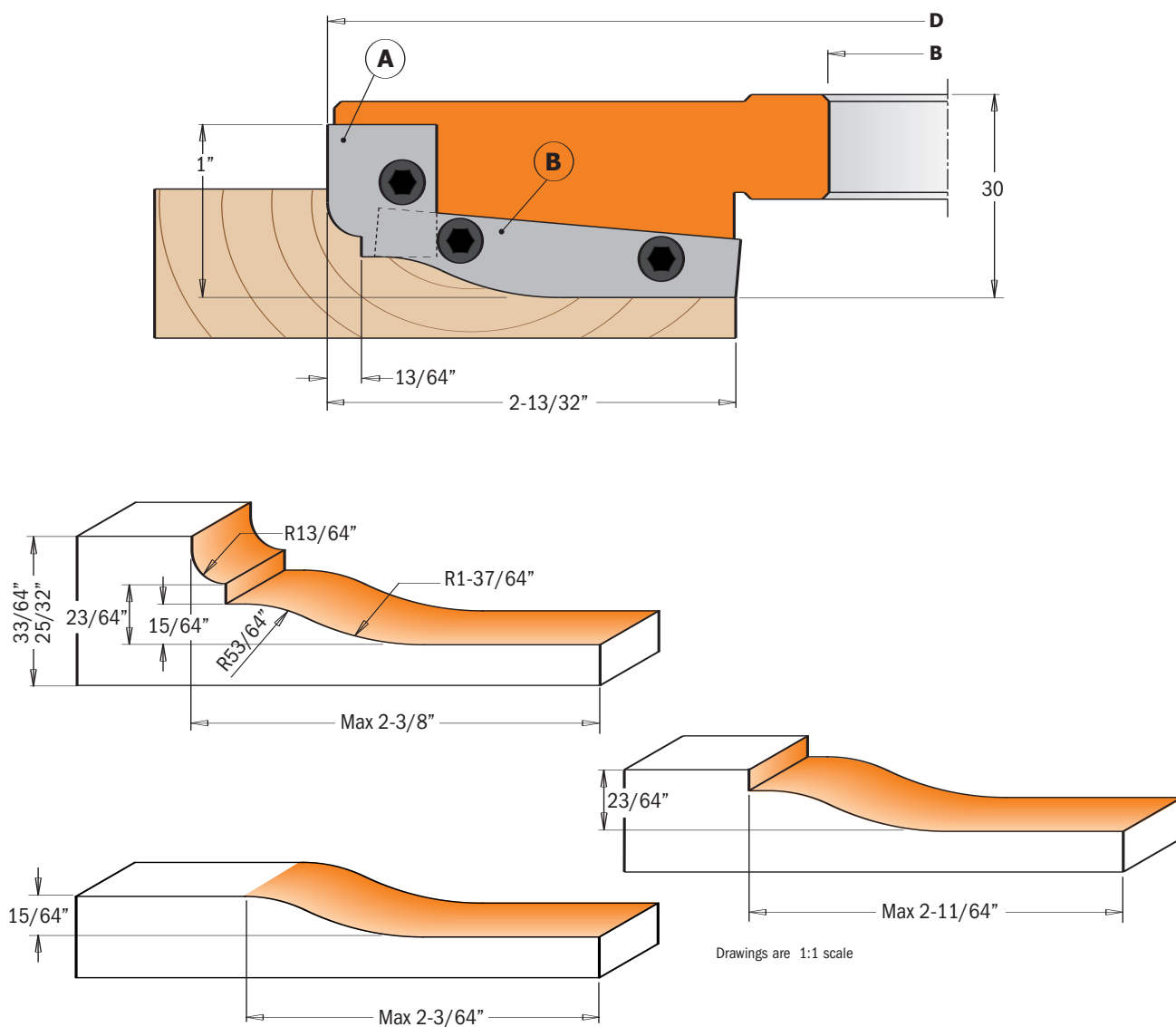


We offer you the traditional approach to panel construction with the CMT raised panel cutter head. Make your classic raised panels on furniture, interior and cabinet doors in solid wood and wooden boards, obtaining three different profiles adjusting the cutting depth. Multiple passes are recommended to safely and accurately obtain the perfect finish. Excellent results in most materials but ideal for hardwood, soft wood and wooden veneer board.

Technical details:

- Heavy duty aircraft aluminum 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.



ORDER NO.	D		B		T	RPM	Spare parts			
	inches	mm	inches	mm			Pair of Knives (A)	Wedge for knives (A)	Pair of Knives (B)	Wedge for knives (B)
694.013.31	7-13/64	183	1-1/4	31.75	2	4100~7000	695.013.A1	695.999.16	695.013.A2	695.999.53
Spare parts										
	990.085.00	Screw M6x25mm								
	991.083.00	Hex key 3x95mm								

One 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.

INSERT
CARBIDE

MAN

Z2

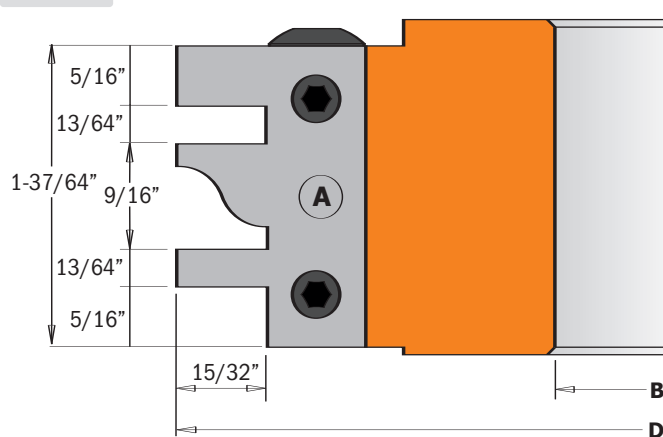


Technical details:

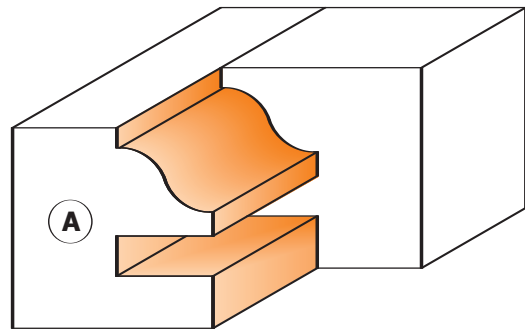
- Heavy duty aircraft aluminum body
- 2 solid carbide Knives type (A) 40x24,5x2mm [Z2]
- Tools for manual feed MAN
- Pins for the automatic positioning of the knives

Supplied in a solid plastic box.

Standard



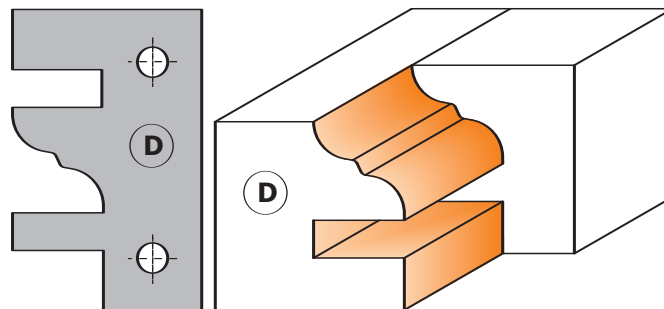
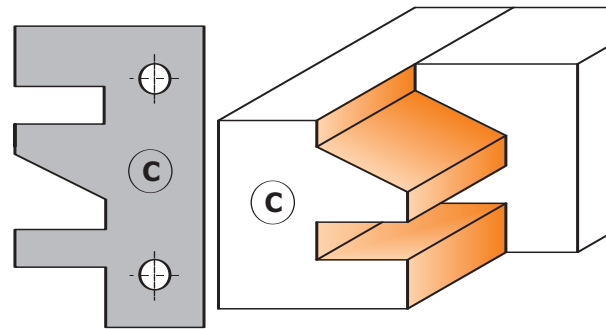
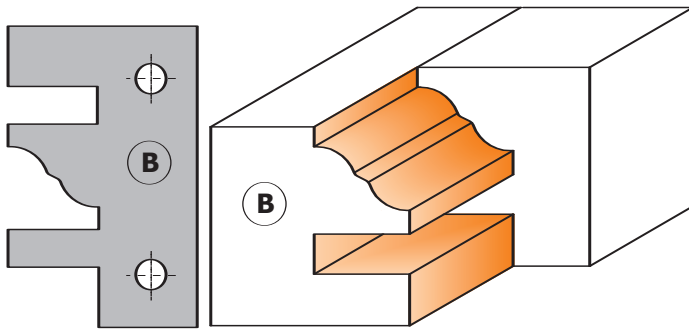
Pair knives 695.014A



Optional

Pair knives 695.014B

Pair knives 695.014C



Drawings are 1:1 scale

Pair knives 695.014D

ORDER NO.	D		B		T	RPM	Spare parts			
	inches	mm	inches	mm			Pair of Knives	Wedge for knives	Screw	Hex key
694.014.31	4-23/32	120	1-1/4	31.75	2	6400~10500	695.014A	695.999.39	990.085.00	991.067.00
Optional										
695.014B	Pair of knives type (B) 40x24,5x2mm									
695.014C	Pair of knives type (C) 40x24,5x2mm									
695.014D	Pair of knives type (D) 40x24,5x2mm									

Profiles and Counter Profiles Set

CMT ORANGE TOOLS®

INSERT
CARBIDE

MAN

Z2

V4



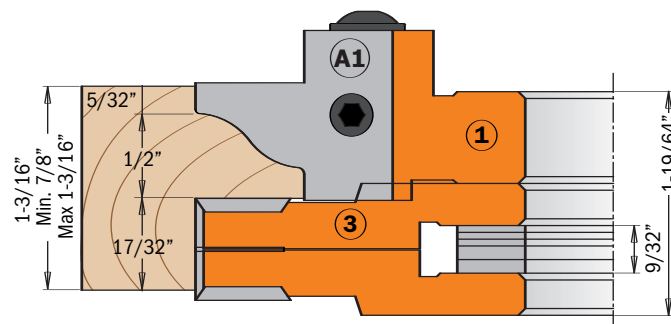
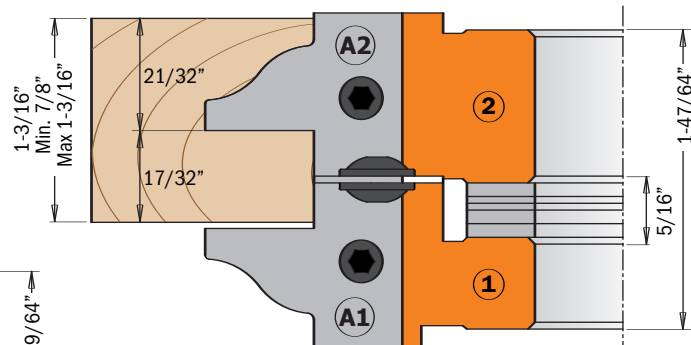
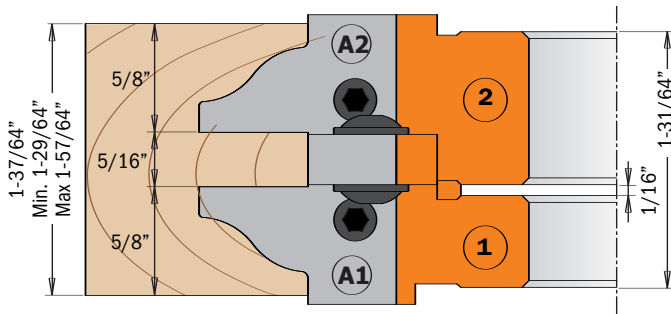
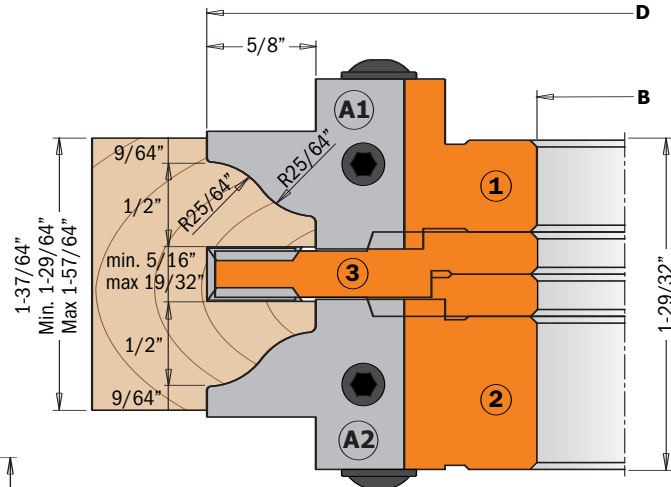
694.015

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 grooveover 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 aircraft aluminum body.
- 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			Spacer set without pin hole	Spacer set with pin hole
694.015.31	5-13/64	132	1-1/4	31.75	2+2	5700~9500	695.998.02	695.998.22

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
- 990.084.00 Screw M6x20mm

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
- 990.084.00 Screws M6x20mm

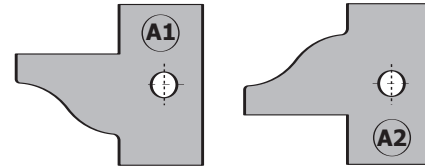
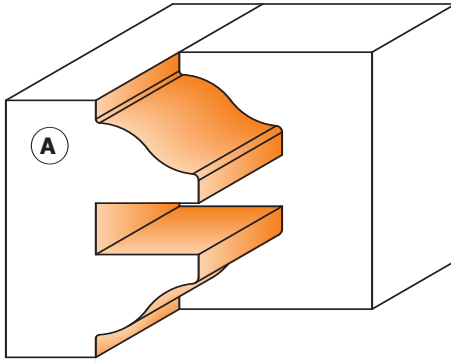
Head type (3)

- 790.076.00 Solid carbide knives 7,65x12x1,5mm
- 695.999.07 Wedge for knives 6,8x11x9,5mm
- 990.063.00 Screw M5x18mm
- 790.140.00 Solid carbide Knives 14x14x2mm
- 990.080.00 Screw M5x6,5mm
- 991.061.00 Hex key T15
- 991.072.00 Hex key T20

Profiles and Counter Profiles Insert Knives

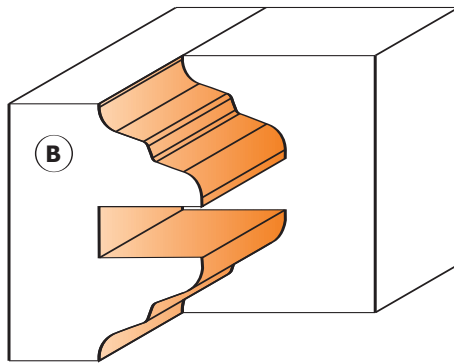
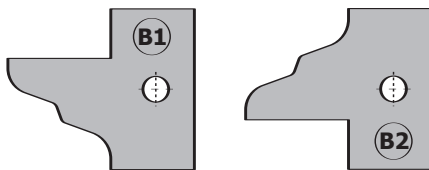
Standard

Pair knives 695.015.A1
Pair knives 695.015.A2

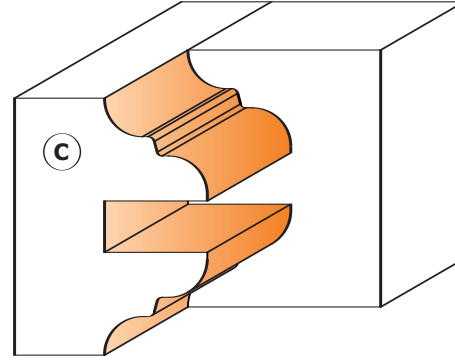
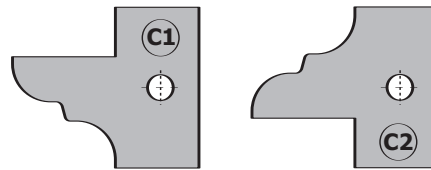


Optional

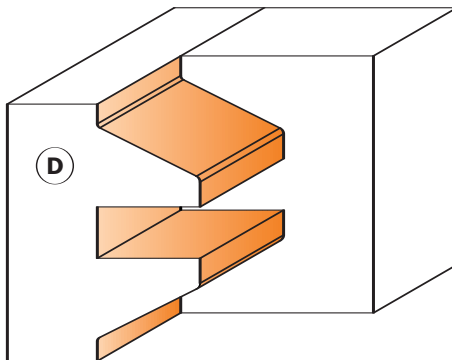
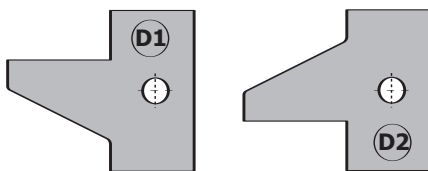
Pair knives 695.015.B1
Pair knives 695.015.B2



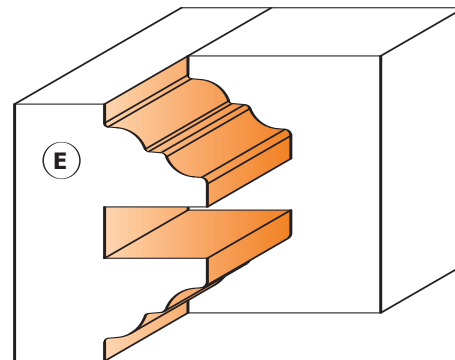
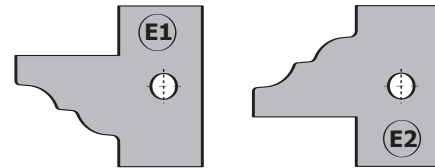
Pair knives 695.015.C1
Pair knives 695.015.C2



Pair knives 695.015.D1
Pair knives 695.015.D2



Pair knives 695.015.E1
Pair knives 695.015.E2



Saw Blades

Router Bits

Router Bits
Sets

Jigs
& Accessories

CNC Router Bits
& Chucks

Dowel Drills

Boring Bits

Cutter Heads
& Knives

Spare Parts

Universal Shaper Cutter Heads



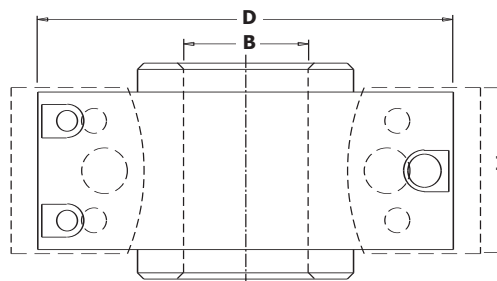
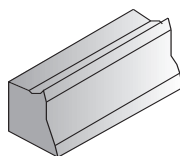
692

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 aircraft aluminum 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 box to fit up to 12 couples of knives or limitors



ORDER NO.	D		B		I	RPM	Spare parts		
	Alu body	inches	mm	inches	mm		inches	Wedge	Screw STEI
692.078.19	3-1/8	78	3/4	19.05	37/64	7000~9000	692.999.01	990.064.00	991.064.00
692.100.26	4	100	1	25.4	37/64 or 1-32/32	7000~9000	692.999.01	990.064.00	991.064.00
692.100.31	4	100	1-1/4	31.75	37/64 or 1-32/32	5500~8400	692.999.01	990.064.00	991.064.00

Bore Reducers

699



ORDER NO.	Description
699.019.13	Pair of bore reducer from 3/4" to 1/2"
699.026.19	Pair of bore reducer from 1" to 3/4"
699.030.19	Pair of bore reducer from 30mm to 3/4"
699.030.26	Pair of bore reducer from 30mm to 1"
699.031.19	Pair of bore reducer from 1-1/4" to 3/4"
699.031.26	Pair of bore reducer from 1-1/4" to 1"
699.031.30	Pair of bore reducer from 1-1/4" to 30mm

Cabinet & Joinery Set



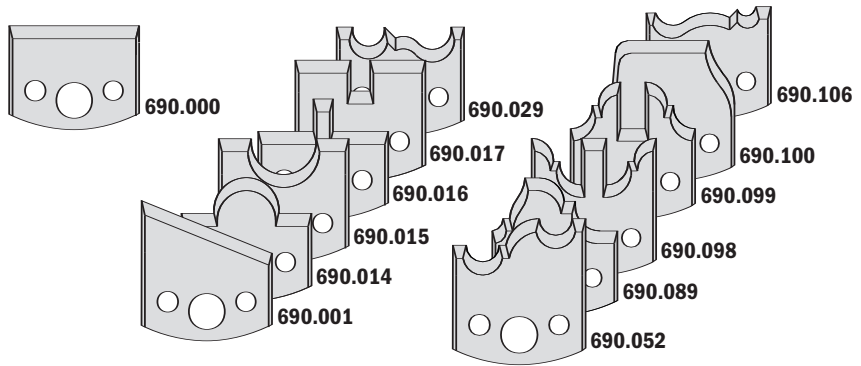
692



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, aircraft-grade aluminum cutterhead
- 13 pairs of M2 steel knives with 40mm cutting height.
- Molded plastic case.



ORDER NO.	D		B		I	RPM	Spare parts		
	inches	mm	inches	mm			Wedge	Screw STEI	Hex key
692.013.09	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	4	100	1	25.4	1-37/64	5500~8400	692.999.01	990.064.00	991.064.00
692.013.11	4	100	1-1/4	31.75	1-37/64	5500~8400	692.999.01	990.064.00	991.064.00

Molding & Profile Set



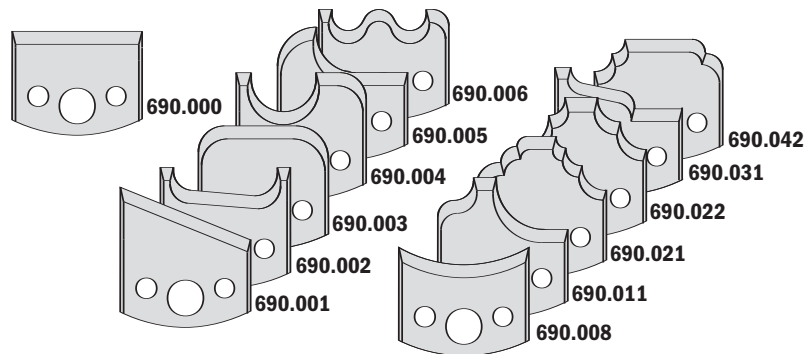
692



Our Molding and Profile Shaper Set includes 13 profiles that provide a great basic 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, aircraft-grade aluminum cutterhead
- 13 pairs of M2 steel knives with 40mm cutting height.
- Molded plastic case.



ORDER NO.	D		B		I	RPM	Spare parts		
	inches	mm	inches	mm			Wedge	Screw STEI	Hex key
692.013.12	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	4	100	1	25.4	1-37/64	5500~8400	692.999.01	990.064.00	991.064.00
692.013.14	4	100	1-1/4	31.75	1-37/64	5500~8400	692.999.01	990.064.00	991.064.00

Profile Knives for the Insert Shaper System

Cutting length=1-37/64" (40mm) - Thickness=5/32" (4mm)

CMT ORANGE TOOLS®

SP

Saw Blades

Router Bits

Router Bits
Sets

Jigs
& Accessories

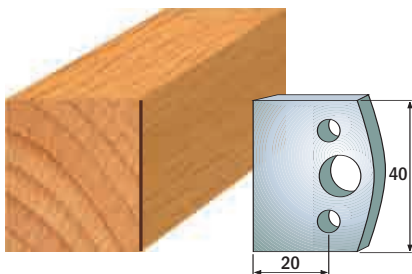
CNC Router Bits
& Chucks

Dowel Drills

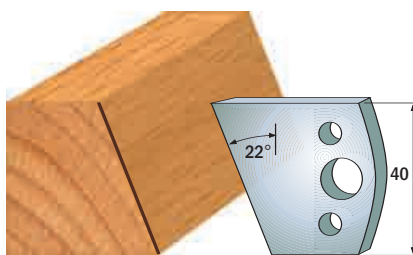
Boring Bits

Cutter Heads
& Knives

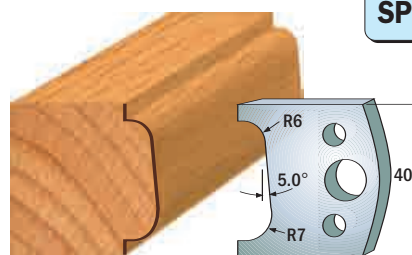
Spare Parts



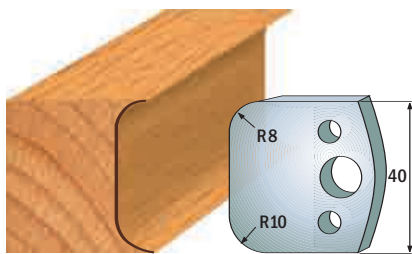
Pair of knives **690.000**



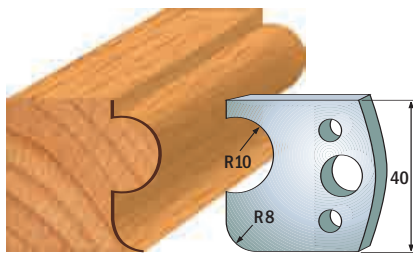
Pair of knives **690.001**



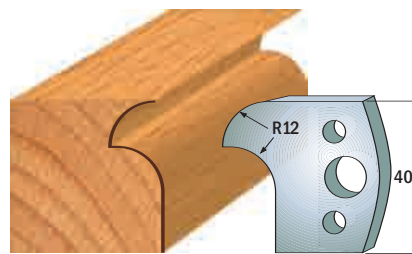
Pair of knives **690.002**



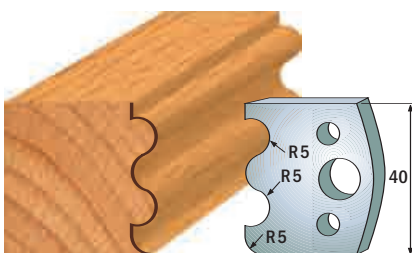
Pair of knives **690.003**



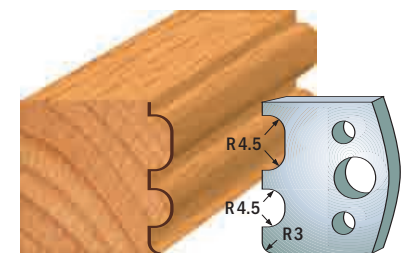
Pair of knives **690.004**



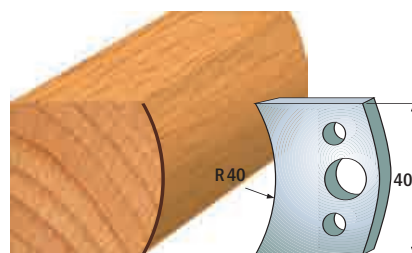
Pair of knives **690.005**



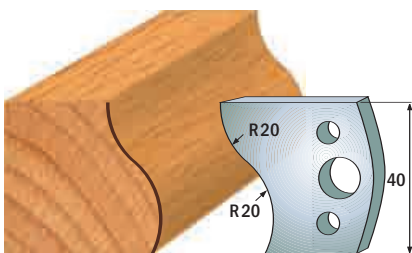
Pair of knives **690.006**



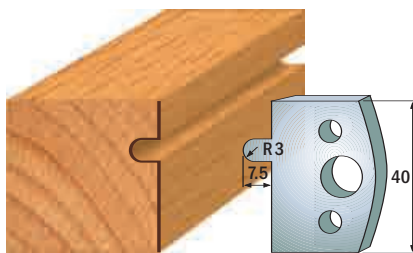
Pair of knives **690.007**



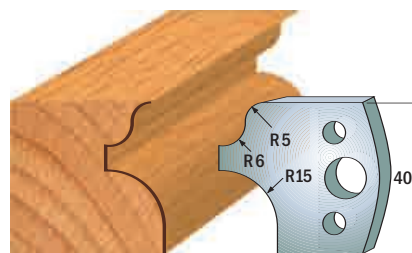
Pair of knives **690.008**



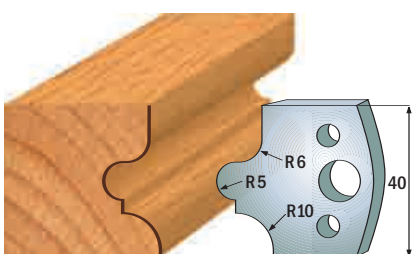
Pair of knives **690.009**



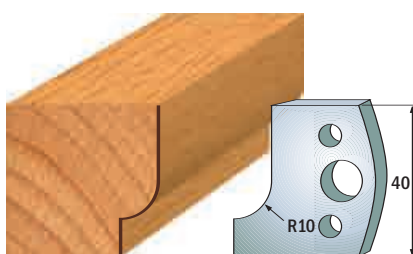
Pair of knives **690.010**



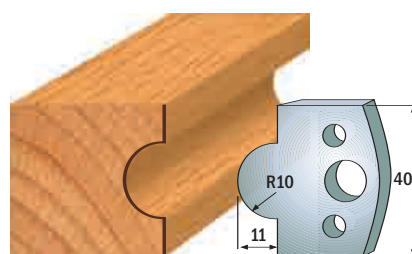
Pair of knives **690.011**



Pair of knives **690.012**



Pair of knives **690.013**



Pair of knives **690.014**

Note: all knives and limitors only available in pairs

Drawings are 1:2 scale

Dimension in mm.

Profile Knives for the Insert Shaper System

Cutting length=1-37/64" (40mm) - Thickness=5/32" (4mm)

CMT ORANGE TOOLS®

SP

Saw Blades

Router Bits

Router Bits
Sets

Jigs
& Accessories

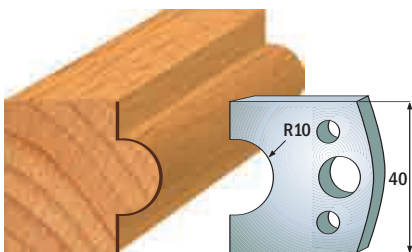
CNC Router Bits
& Chucks

Dowel Drills

Boring Bits

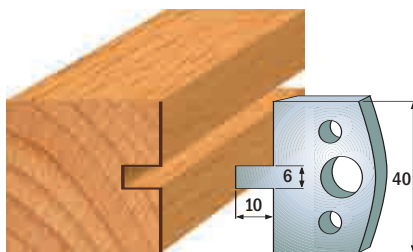
Cutter Heads
& Knives

Spare Parts



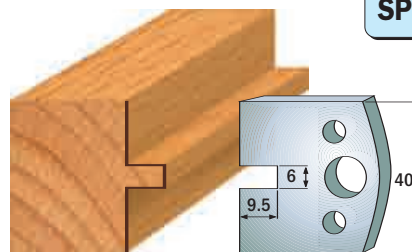
Pair of knives

690.015



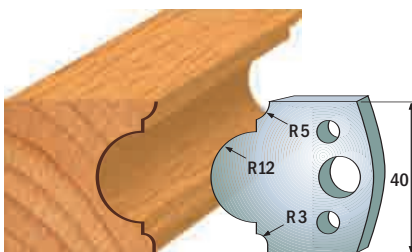
Pair of knives

690.016



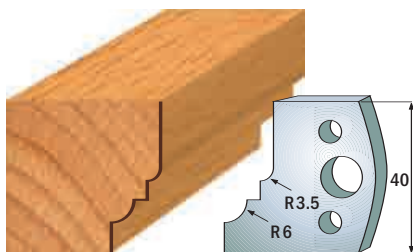
Pair of knives

690.017



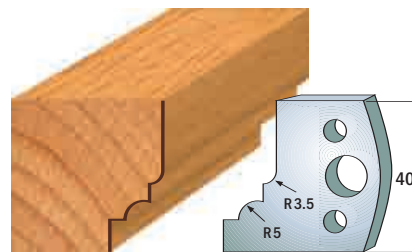
Pair of knives

690.018



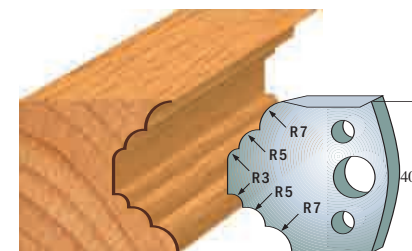
Pair of knives

690.019



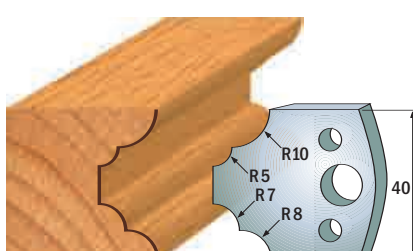
Pair of knives

690.0020



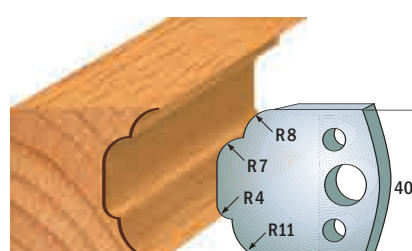
Pair of knives

690.021



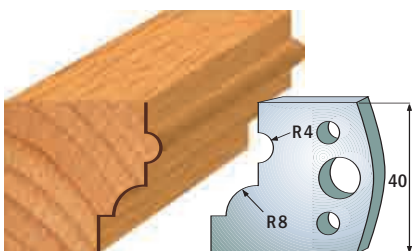
Pair of knives

690.022



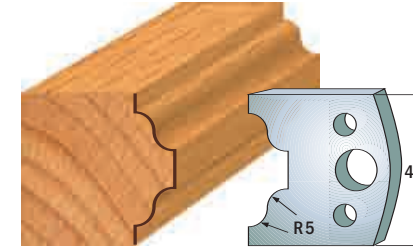
Pair of knives

690.023



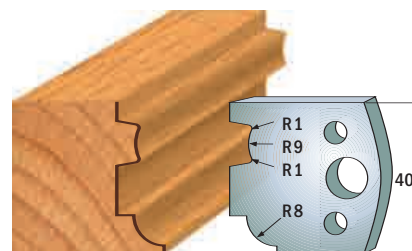
Pair of knives

690.024



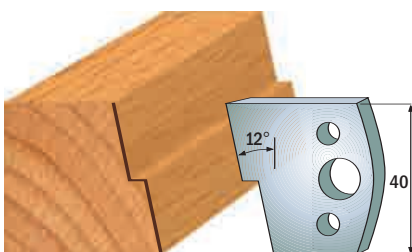
Pair of knives

690.025



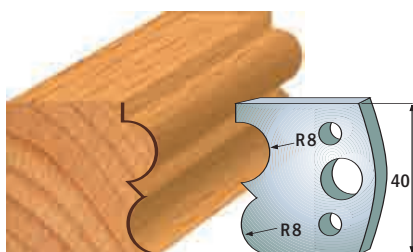
Pair of knives

690.026



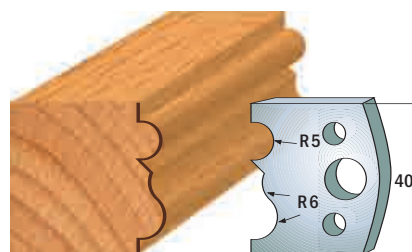
Pair of knives

690.027



Pair of knives

690.028



Pair of knives

690.029

Note: all knives and limitors only available in pairs

Drawings are 1:2 scale

Dimension in mm.

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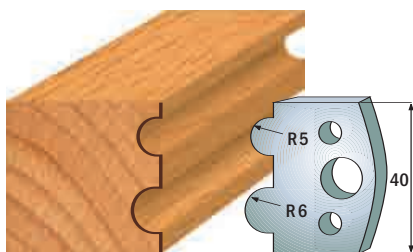
183

Profile Knives for the Insert Shaper System

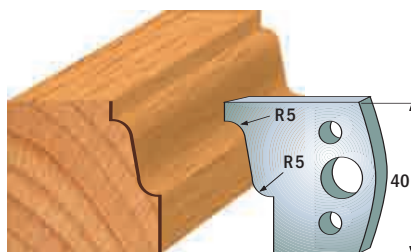
Cutting length=1-37/64" (40mm) - Thickness=5/32" (4mm)

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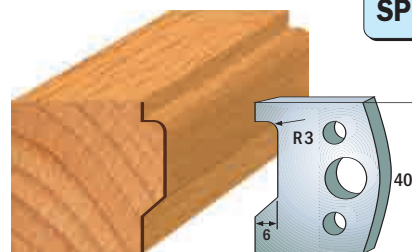
SP



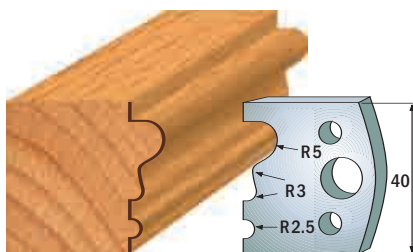
Pair of knives **690.030**



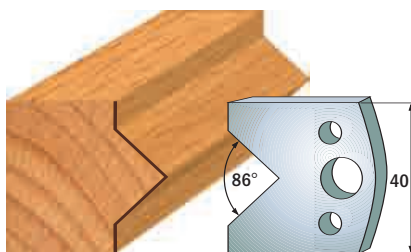
Pair of knives **690.031**



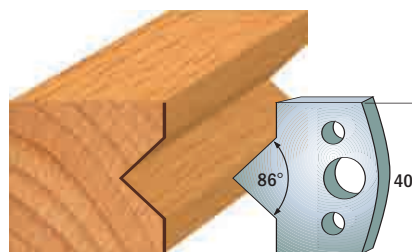
Pair of knives **690.032**



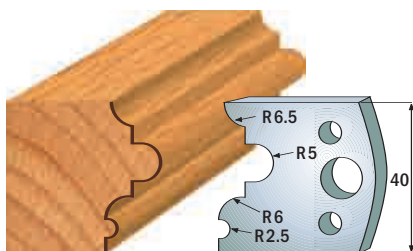
Pair of knives **690.033**



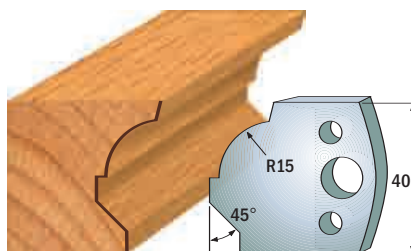
Pair of knives **690.034**



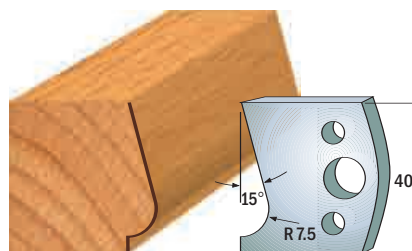
Pair of knives **690.035**



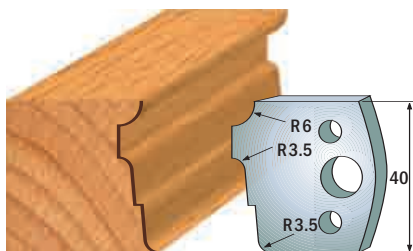
Pair of knives **690.036**



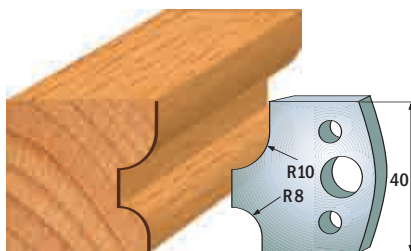
Pair of knives **690.037**



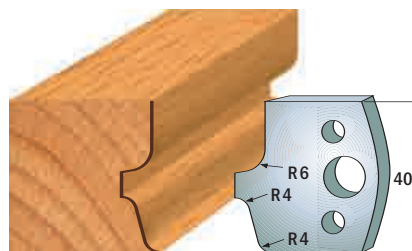
Pair of knives **690.038**



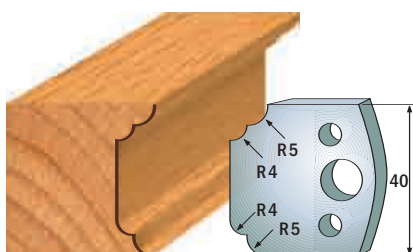
Pair of knives **690.039**



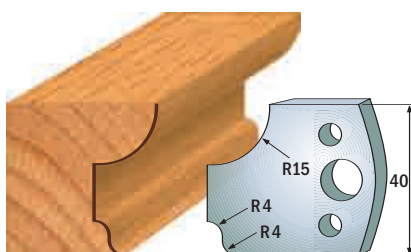
Pair of knives **690.040**



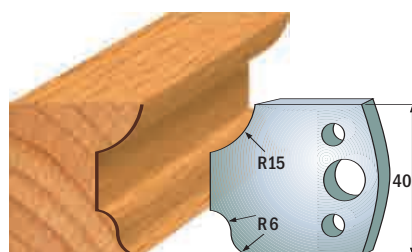
Pair of knives **690.041**



Pair of knives **690.042**



Pair of knives **690.043**



Pair of knives **690.044**

Note: all knives and limitors only available in pairs

Drawings are 1:2 scale

Dimension in mm.

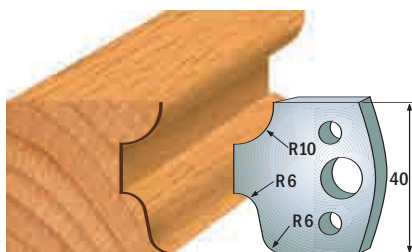
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Profile Knives for the Insert Shaper System

Cutting length=1-37/64" (40mm) - Thickness=5/32" (4mm)

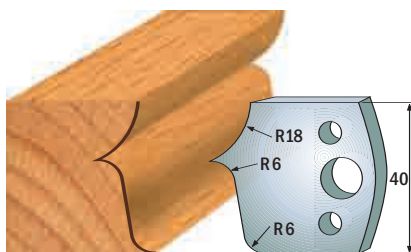
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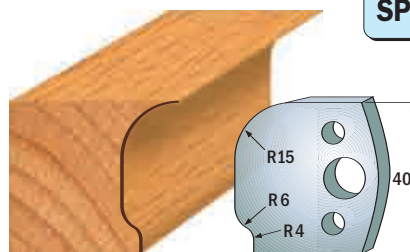
Pair of knives

690.045



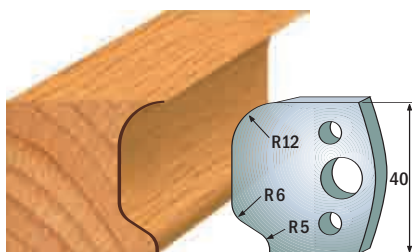
Pair of knives

690.046



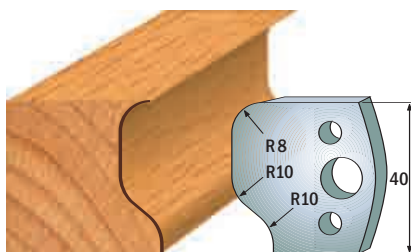
Pair of knives

690.047



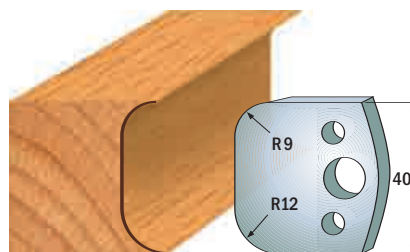
Pair of knives

690.048



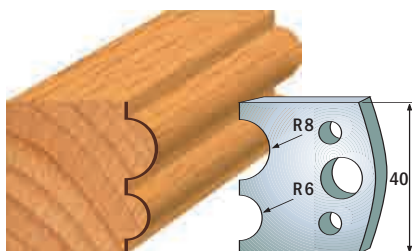
Pair of knives

690.049



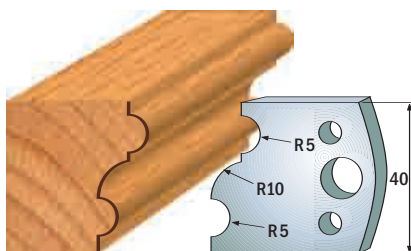
Pair of knives

690.050



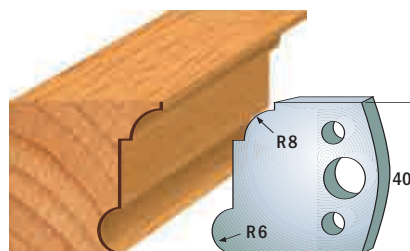
Pair of knives

690.051



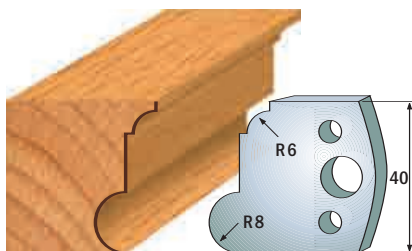
Pair of knives

690.052



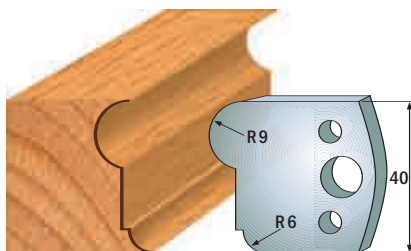
Pair of knives

690.053



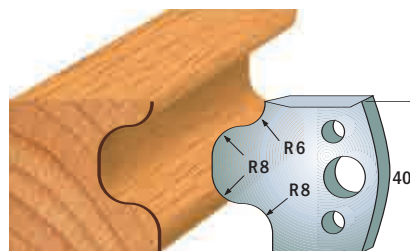
Pair of knives

690.054



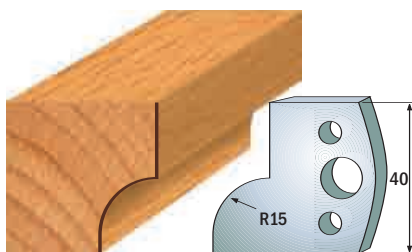
Pair of knives

690.055



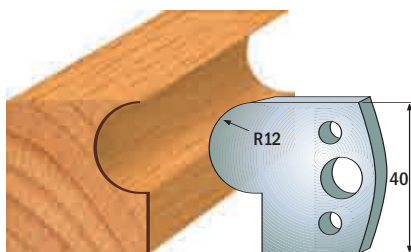
Pair of knives

690.056



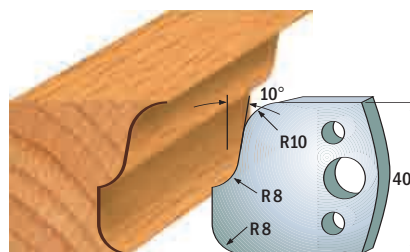
Pair of knives

690.057



Pair of knives

690.058



Pair of knives

690.059

Profile Knives for the Insert Shaper System

Cutting length=1-37/64" (40mm) - Thickness=5/32" (4mm)

CMT ORANGE TOOLS®

SP

Saw Blades

Router Bits

Router Bits
Sets

Jigs
& Accessories

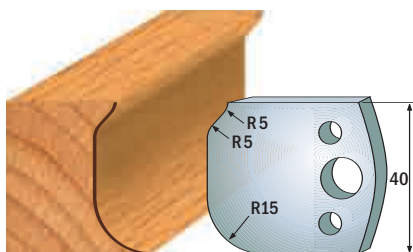
CNC Router Bits
& Chucks

Dowel Drills

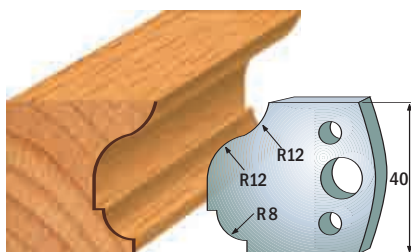
Boring Bits

Cutter Heads
& Knives

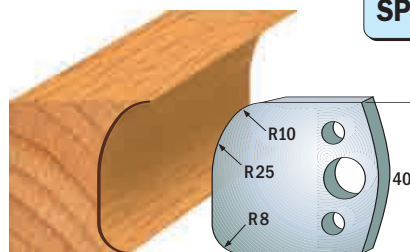
Spare Parts



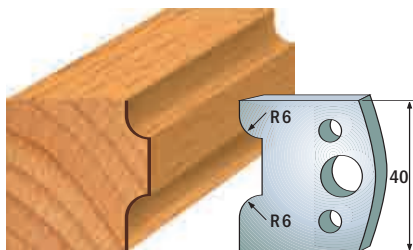
Pair of knives **690.060**



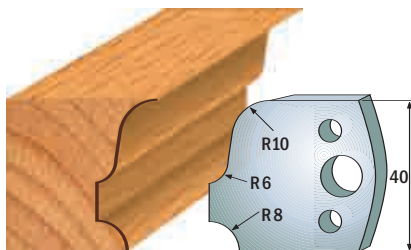
Pair of knives **690.061**



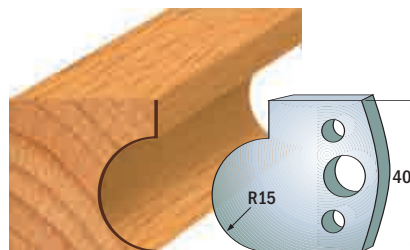
Pair of knives **690.062**



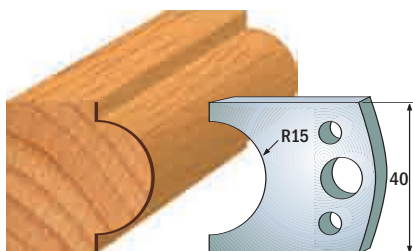
Pair of knives **690.063**



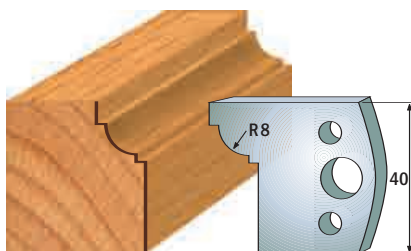
Pair of knives **690.064**



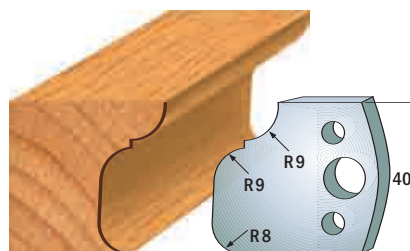
Pair of knives **690.065**



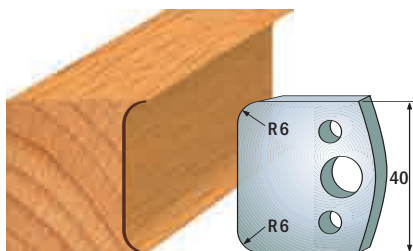
Pair of knives **690.066**



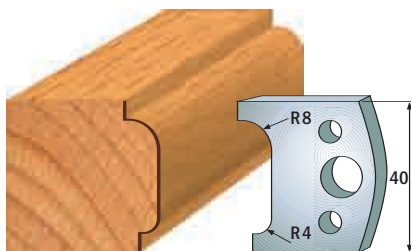
Pair of knives **690.067**



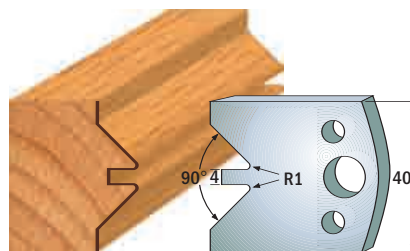
Pair of knives **690.068**



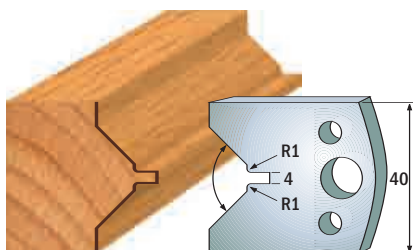
Pair of knives **690.069**



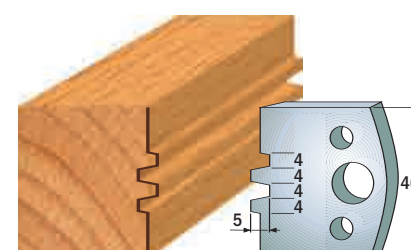
Pair of knives **690.070**



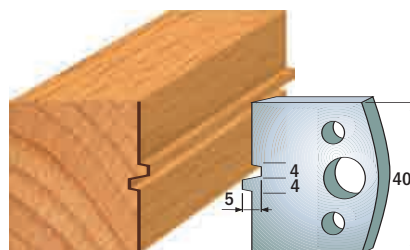
Pair of knives **690.071**



Pair of knives **690.072**



Pair of knives **690.073**



Pair of knives **690.074**

Note: all knives and limitors only available in pairs

Drawings are 1:2 scale

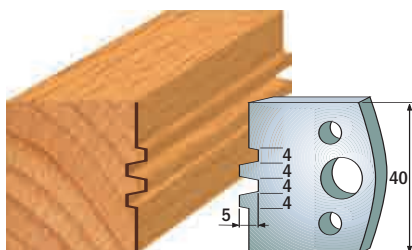
Dimension in mm.

Profile Knives for the Insert Shaper System

Cutting length=1-37/64" (40mm) - Thickness=5/32" (4mm)

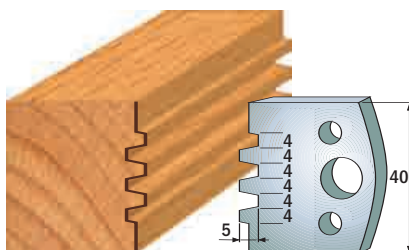
CMT ORANGE TOOLS®

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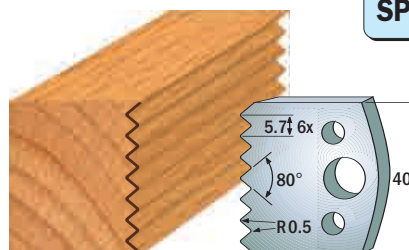
Pair of knives

690.075



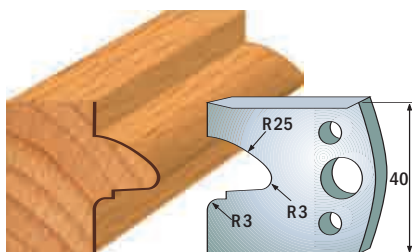
Pair of knives

690.076



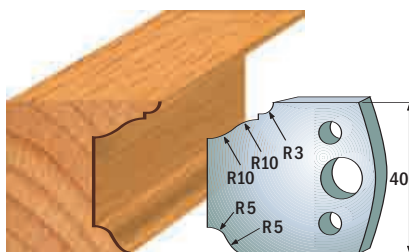
Pair of knives

690.077



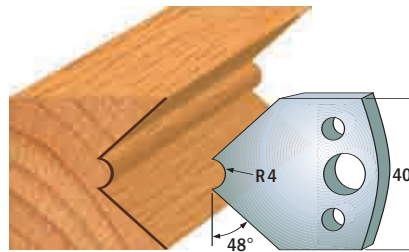
Pair of knives

690.078



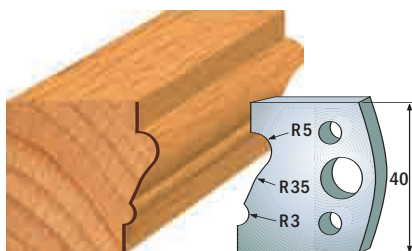
Pair of knives

690.079



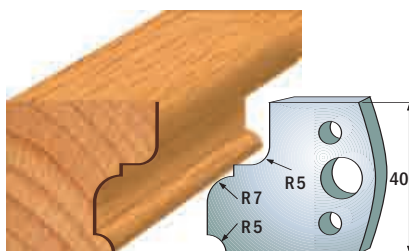
Pair of knives

690.080



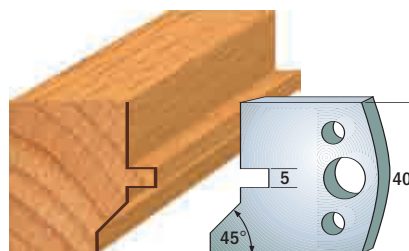
Pair of knives

690.081



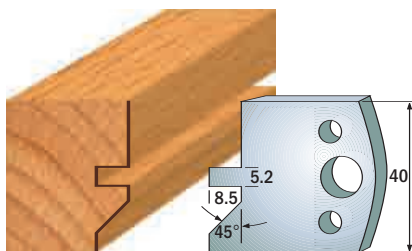
Pair of knives

690.082



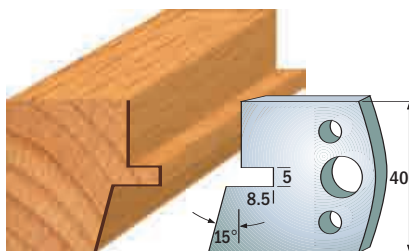
Pair of knives

690.083



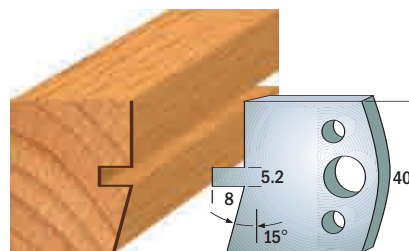
Pair of knives

690.084



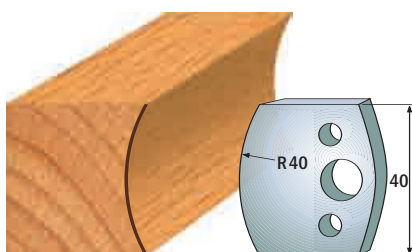
Pair of knives

690.085



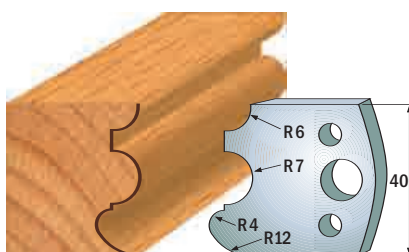
Pair of knives

690.086



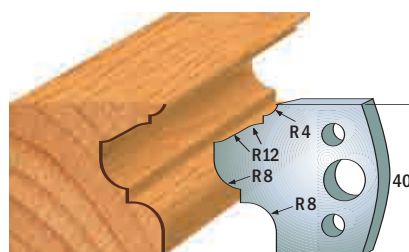
Pair of knives

690.087



Pair of knives

690.088



Pair of knives

690.089

Note: all knives and limitors only available in pairs

Drawings are 1:2 scale

Dimension in mm.

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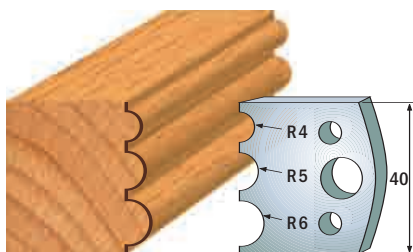
Spare Parts

Profile Knives for the Insert Shaper System

Cutting length=1-37/64" (40mm) - Thickness=5/32" (4mm)

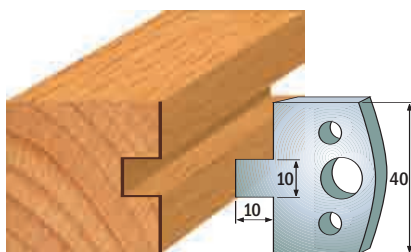
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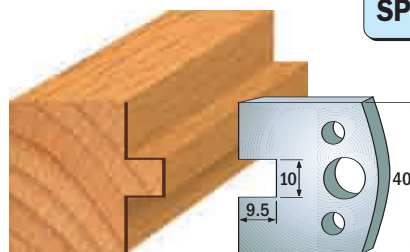
Pair of knives

690.090



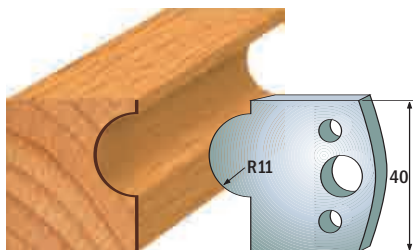
Pair of knives

690.091



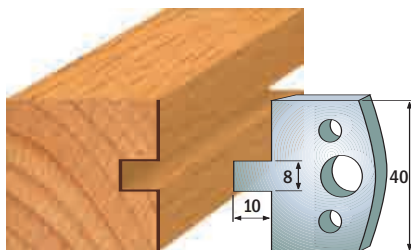
Pair of knives

690.092



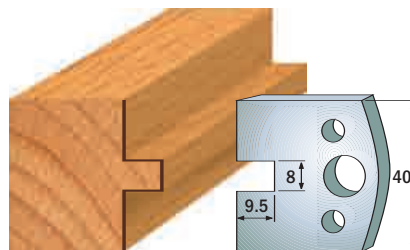
Pair of knives

690.093



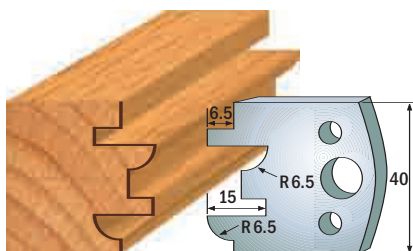
Pair of knives

690.094



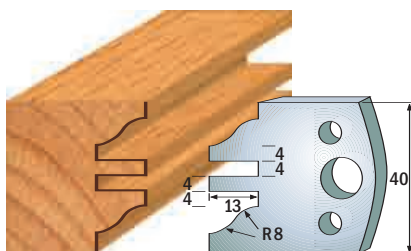
Pair of knives

690.095



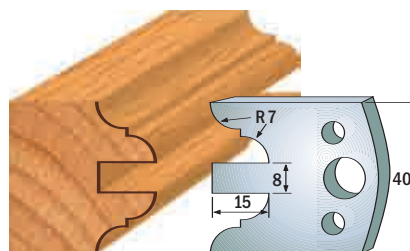
Pair of knives

690.096



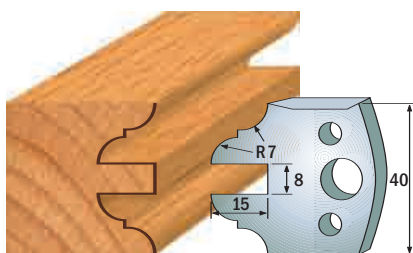
Pair of knives

690.097



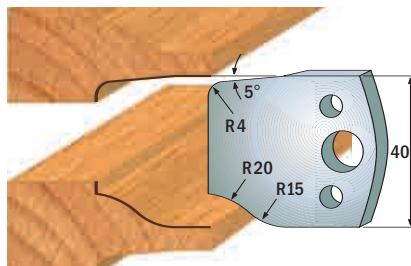
Pair of knives

690.098



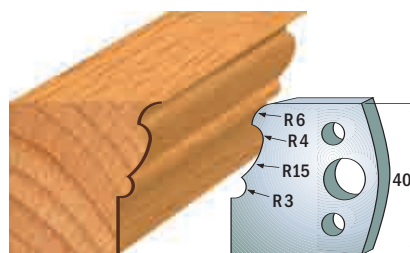
Pair of knives

690.099



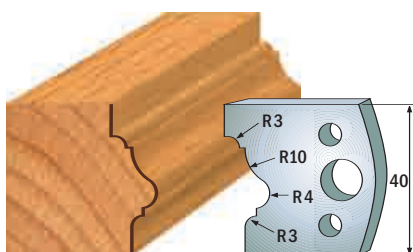
Pair of knives

690.100



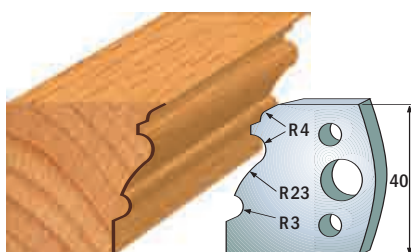
Pair of knives

690.101



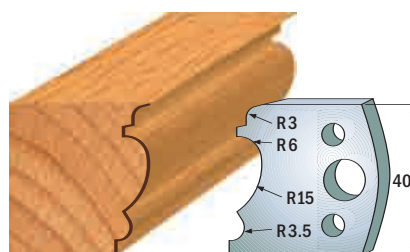
Pair of knives

690.102



Pair of knives

690.103



Pair of knives

690.104

Note: all knives and limitors only available in pairs

Drawings are 1:2 scale

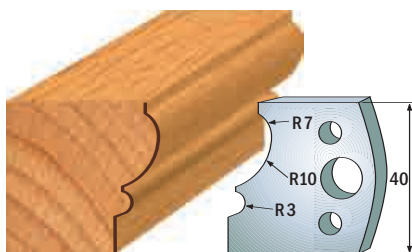
Dimension in mm.

Profile Knives for the Insert Shaper System

Cutting length=1-37/64" (40mm) - Thickness=5/32" (4mm)

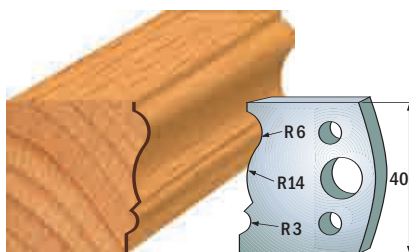
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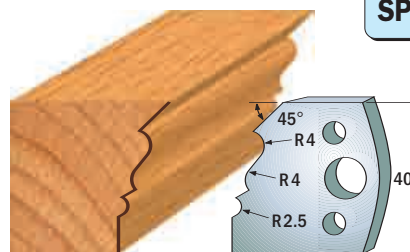
Pair of knives

690.105



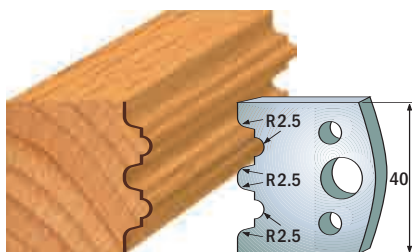
Pair of knives

690.106



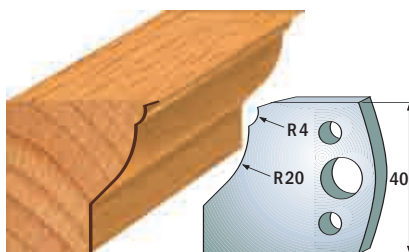
Pair of knives

690.107



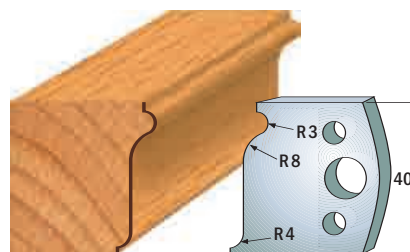
Pair of knives

690.108



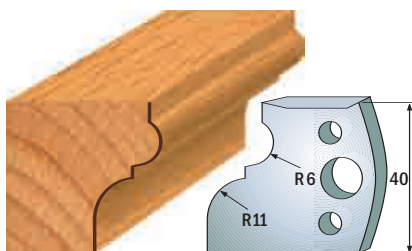
Pair of knives

690.109



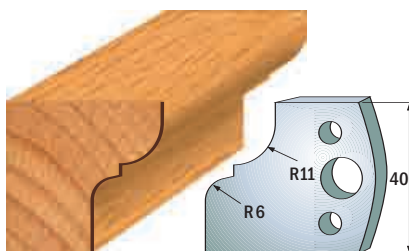
Pair of knives

690.110



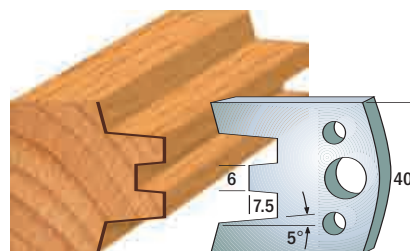
Pair of knives

690.111



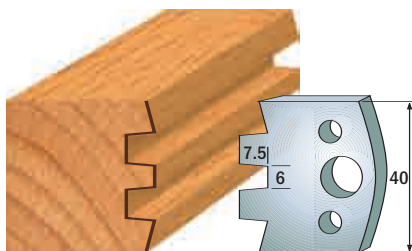
Pair of knives

690.112



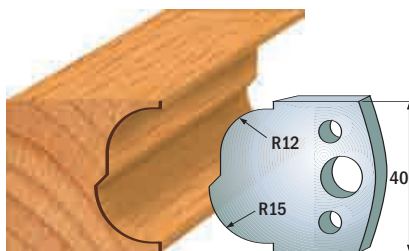
Pair of knives

690.113



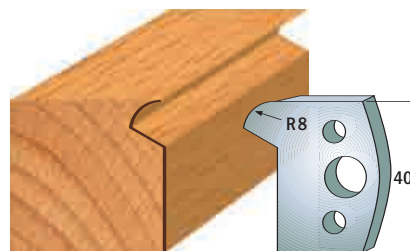
Pair of knives

690.114



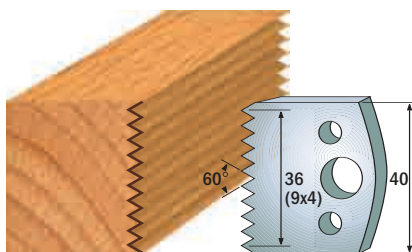
Pair of knives

690.115



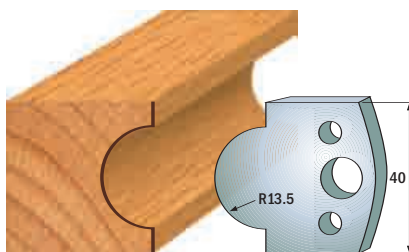
Pair of knives

690.116



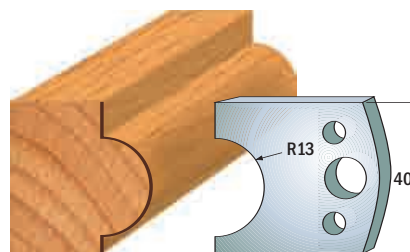
Pair of knives

690.117



Pair of knives

690.118



Pair of knives

690.119

Note: all knives and limitors only available in pairs

Drawings are 1:2 scale

Dimension in mm.

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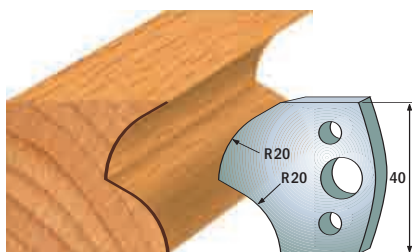
Spare Parts

Profile Knives for the Insert Shaper System

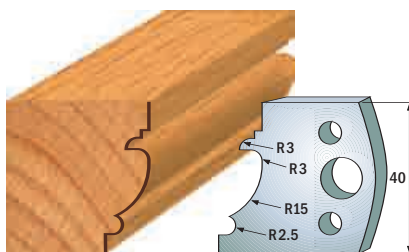
Cutting length=1-37/64" (40mm) - Thickness=5/32" (4mm)

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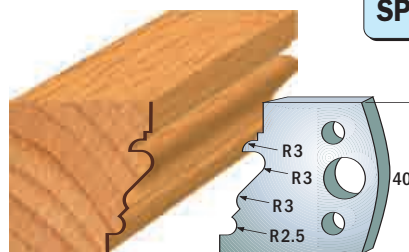
SP



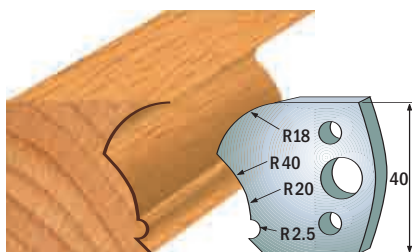
Pair of knives **690.120**



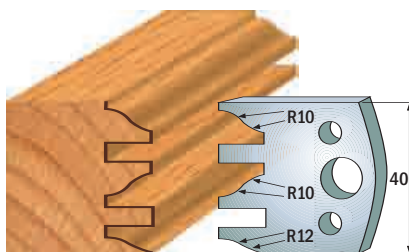
Pair of knives **690.121**



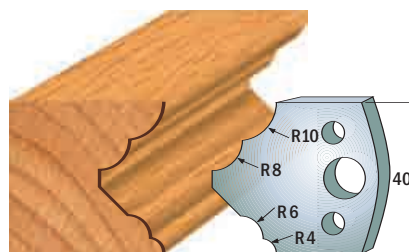
Pair of knives **690.122**



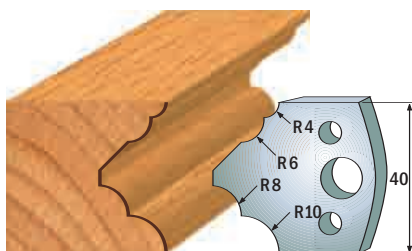
Pair of knives **690.123**



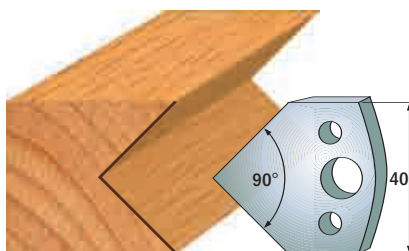
Pair of knives **690.124**



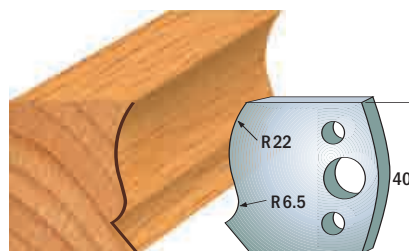
Pair of knives **690.125**



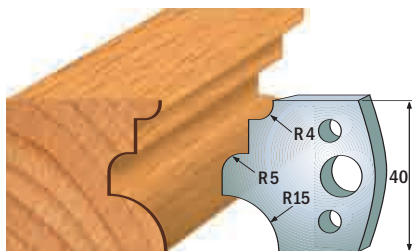
Pair of knives **690.126**



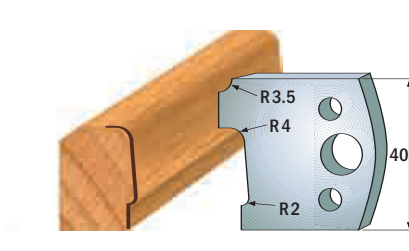
Pair of knives **690.127**



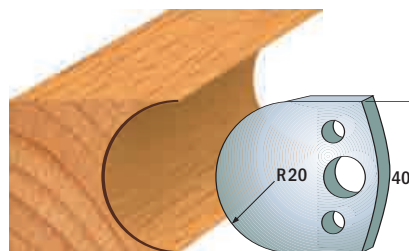
Pair of knives **690.128**



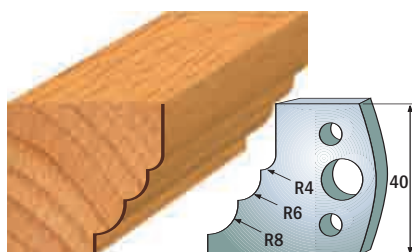
Pair of knives **690.129**



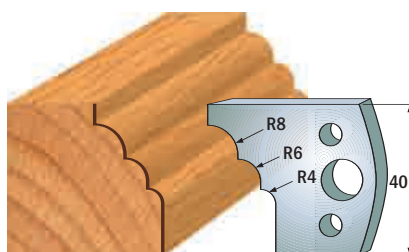
Pair of knives **690.130**



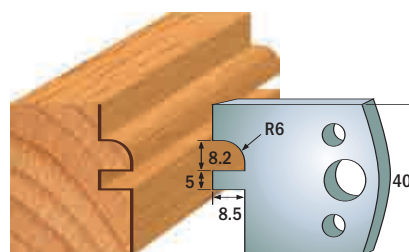
Pair of knives **690.131**



Pair of knives **690.132**



Pair of knives **690.133**



Pair of knives **690.134**

Note: all knives and limitors only available in pairs

Drawings are 1:2 scale

Dimension in mm.

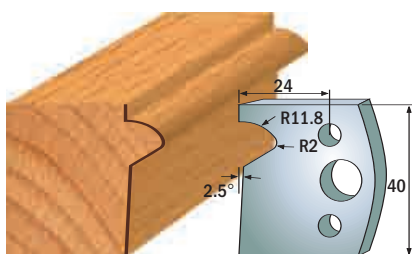
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Profile Knives for the Insert Shaper System

Cutting length=1-37/64" (40mm) - Thickness=5/32" (4mm)

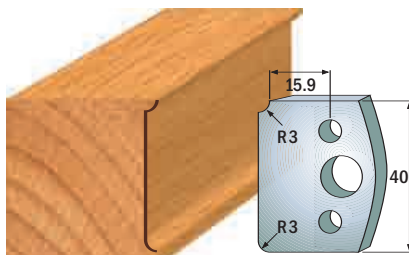


SP



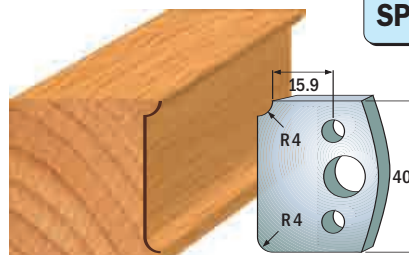
Pair of knives

690.135



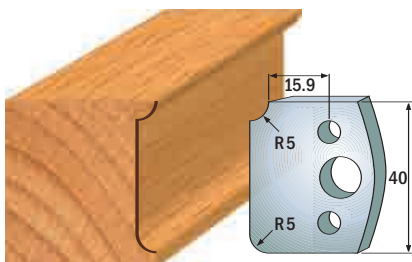
Pair of knives

690.170



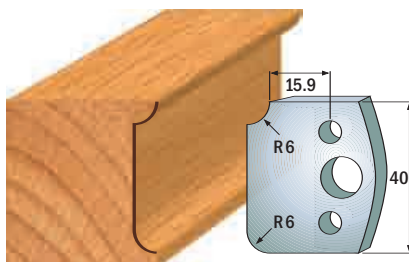
Pair of knives

690.171



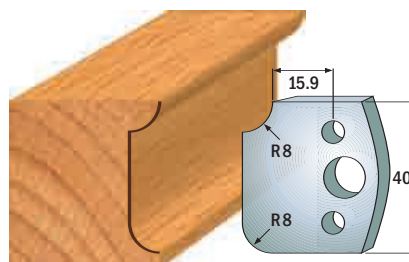
Pair of knives

690.172



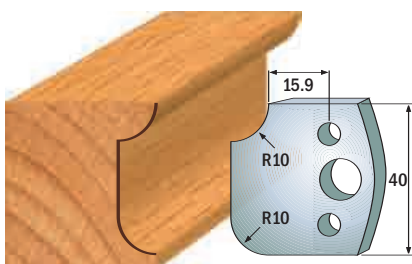
Pair of knives

690.173



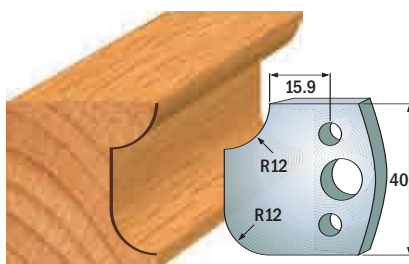
Pair of knives

690.174



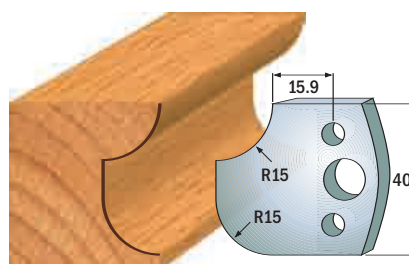
Pair of knives

690.175



Pair of knives

690.176

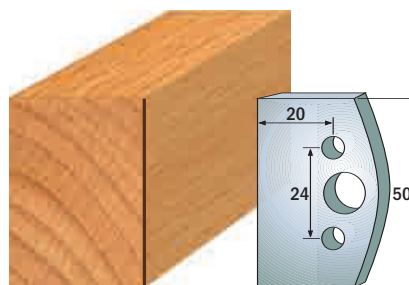


Pair of knives

690.177

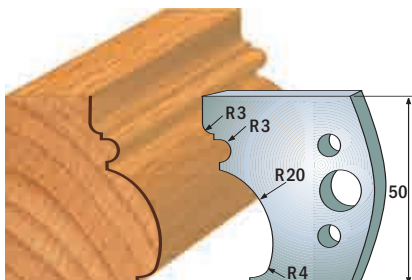
Profile knives for the insert Shaper System

Cutting length=1-31/32" (50mm) - Thickness=5/32" (4mm)



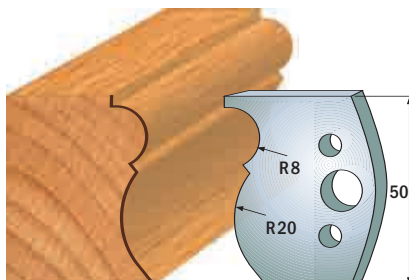
Pair of knives

690.500



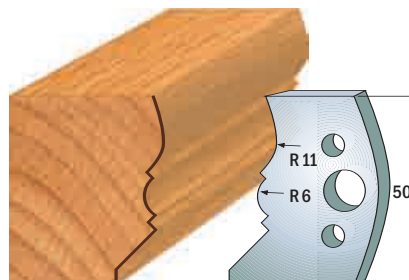
Pair of knives

690.501



Pair of knives

690.502



Pair of knives

690.503

Note: all knives and limitors only available in pairs

Drawings are 1:2 scale

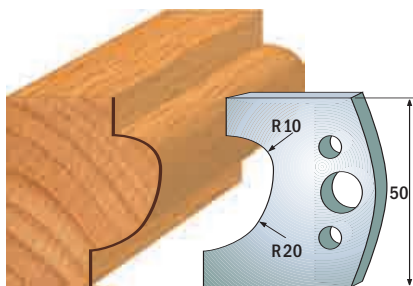
Dimension in mm.

Profile Knives for the Insert Shaper System

Cutting length=1-31/32" (50mm) - Thickness=5/32" (4mm)

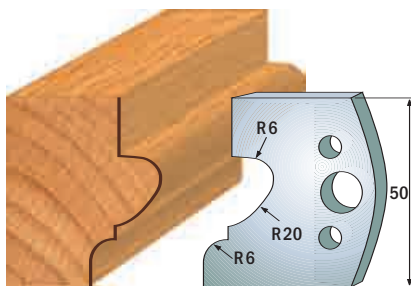
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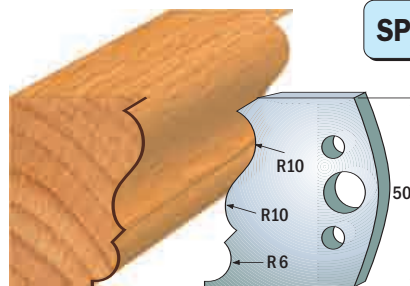
Pair of knives

690.504



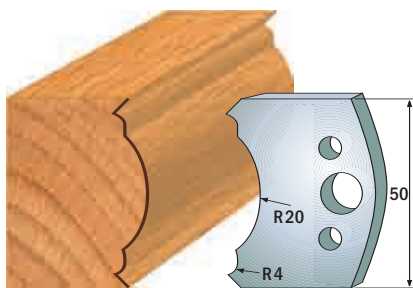
Pair of knives

690.505



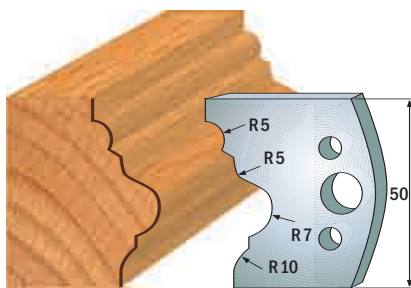
Pair of knives

690.506



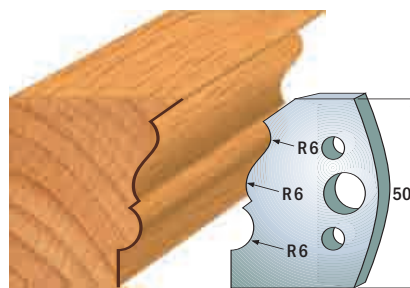
Pair of knives

690.507



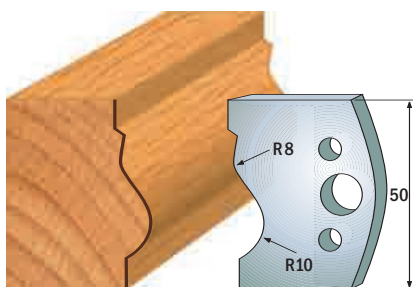
Pair of knives

690.508



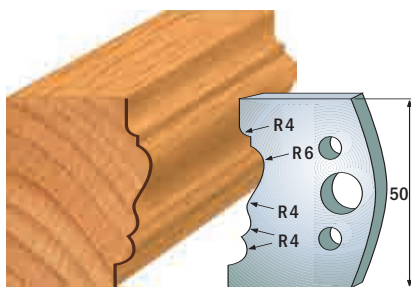
Pair of knives

690.509



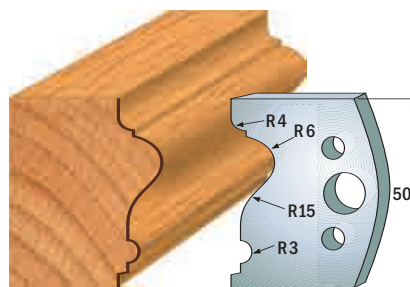
Pair of knives

690.510



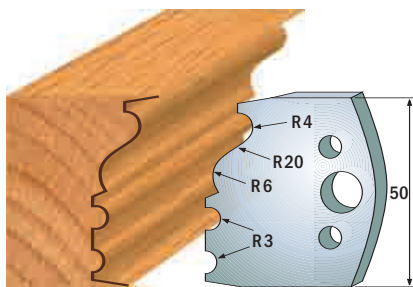
Pair of knives

690.511



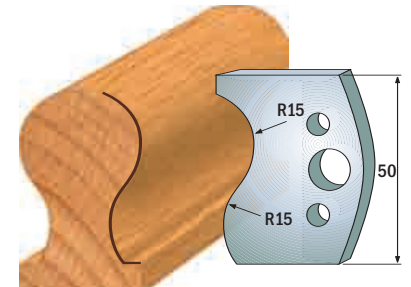
Pair of knives

690.512



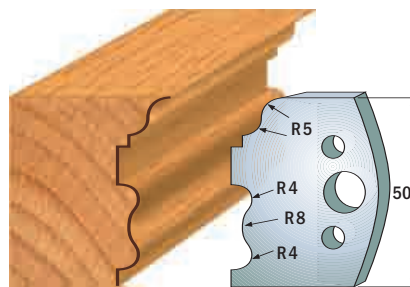
Pair of knives

690.513



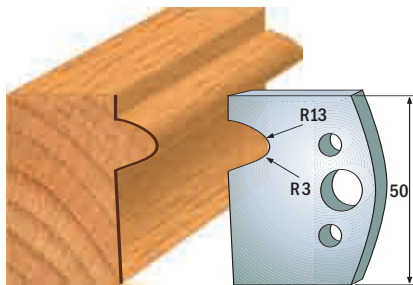
Pair of knives

690.514



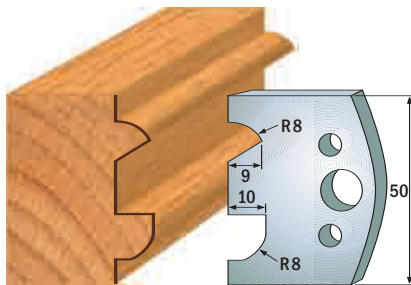
Pair of knives

690.515



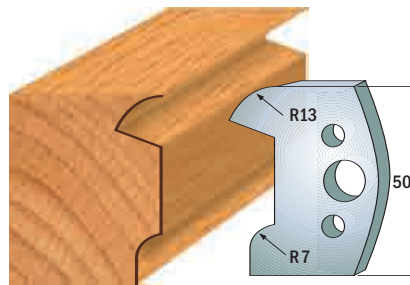
Pair of knives

690.516



Pair of knives

690.517



Pair of knives

690.518

Note: all knives and limitors only available in pairs

Drawings are 1:2 scale

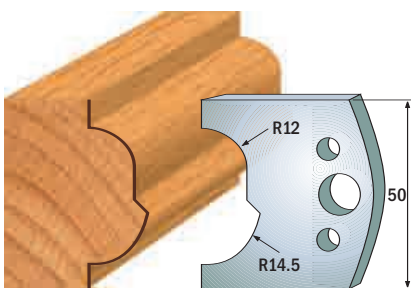
Dimension in mm.

Profile Knives for the Insert Shaper System

Cutting length=1-31/32" (50mm) - Thickness=5/32" (4mm)

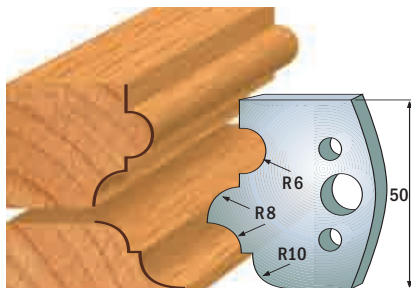


SP



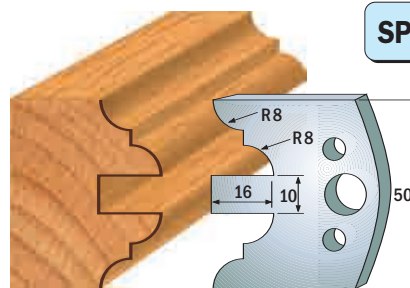
Pair of knives

690.519



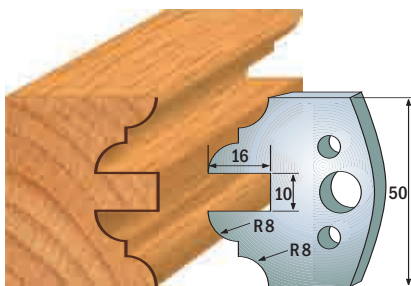
Pair of knives

690.520



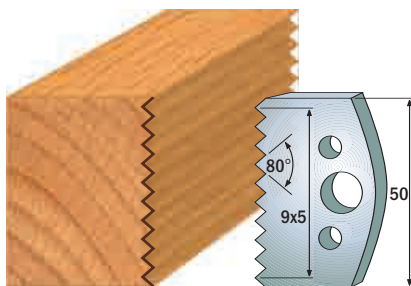
Pair of knives

690.522



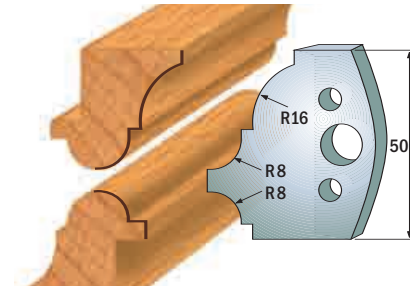
Pair of knives

690.523



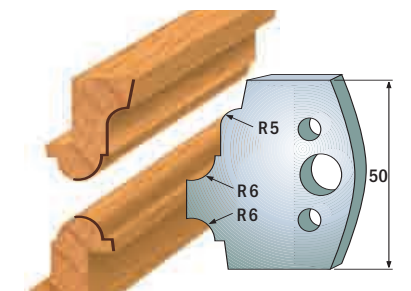
Pair of knives

690.524



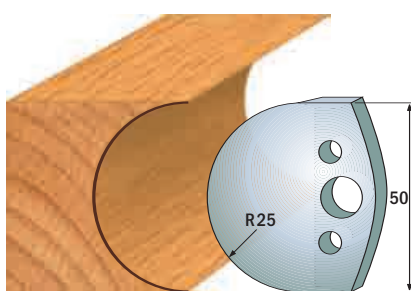
Pair of knives

690.541



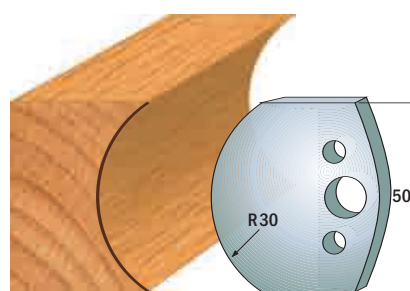
Pair of knives

690.542



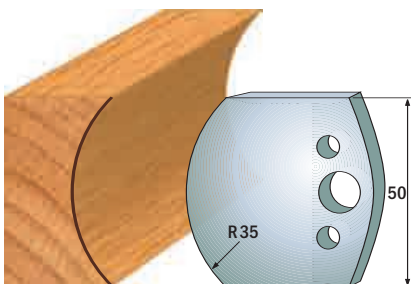
Pair of knives

690.543



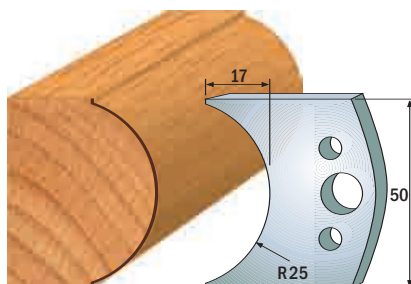
Pair of knives

690.544



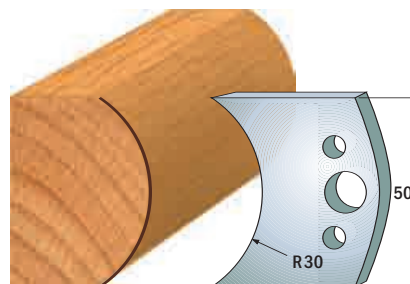
Pair of knives

690.545



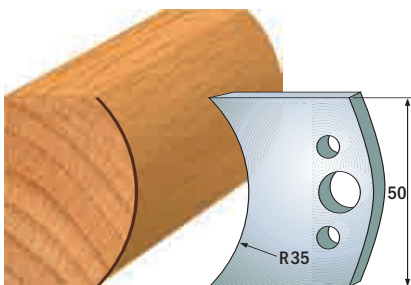
Pair of knives

690.546



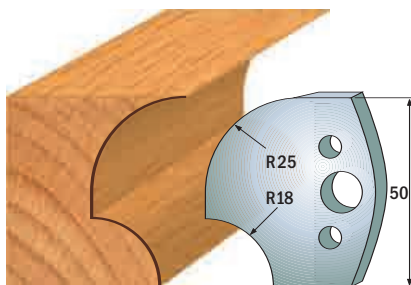
Pair of knives

690.547



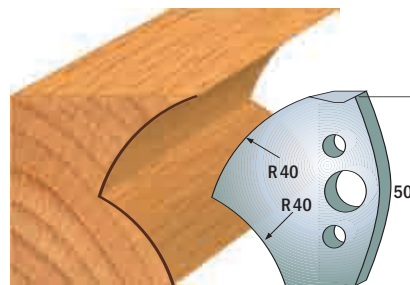
Pair of knives

690.548



Pair of knives

690.549



Pair of knives

690.550

Note: all knives and limitors only available in pairs

Drawings are 1:2 scale

Dimension in mm.

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& Knives

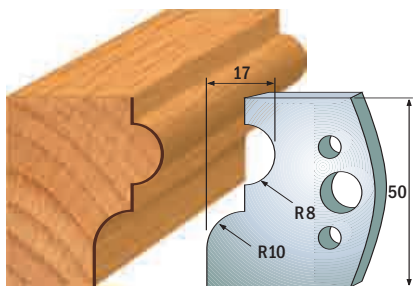
Spare Parts

Profile Knives for the Insert Shaper System

Cutting length=1-31/32" (50mm) - Thickness=5/32" (4mm)

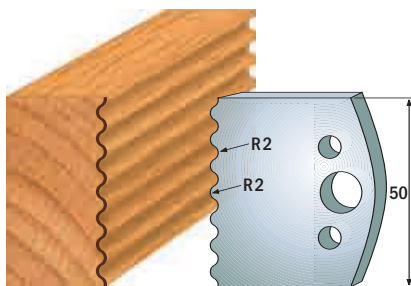
CMT ORANGE TOOLS®

SP



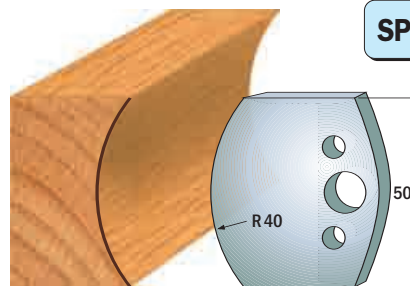
Pair of knives

690.551



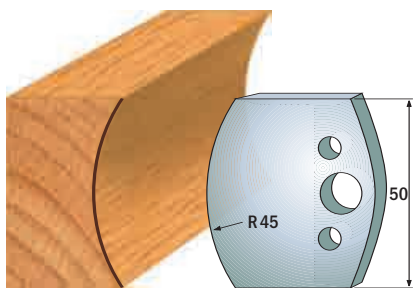
Pair of knives

690.552



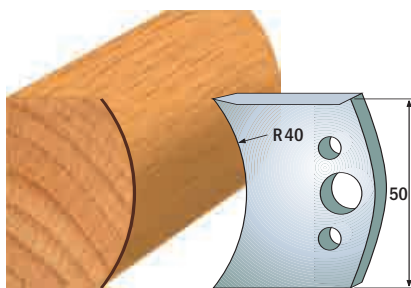
Pair of knives

690.553



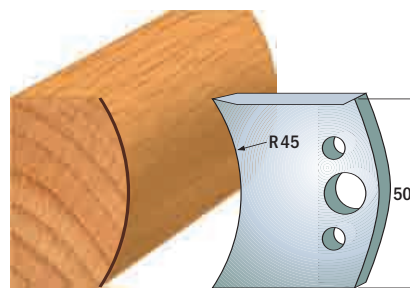
Pair of knives

690.554



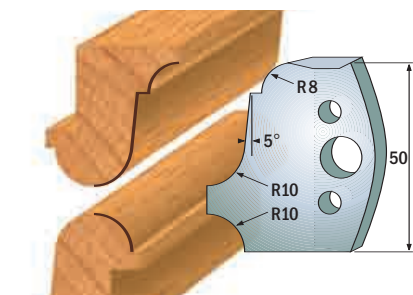
Pair of knives

690.555



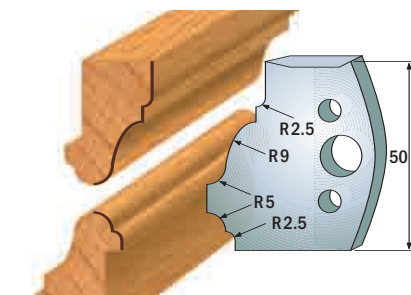
Pair of knives

690.556



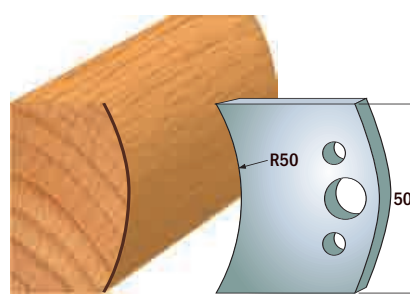
Pair of knives

690.557



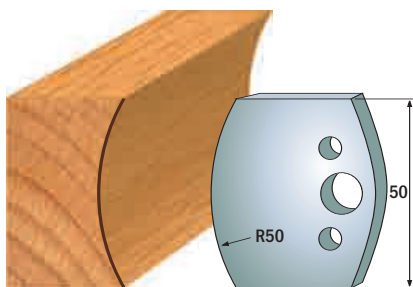
Pair of knives

690.558



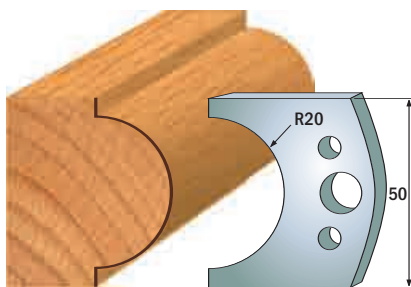
Pair of knives

690.559



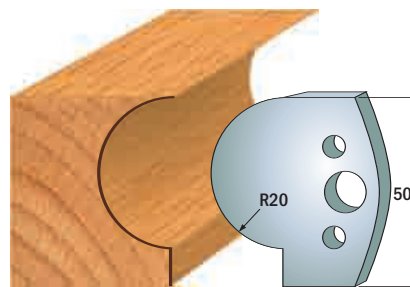
Pair of knives

690.560



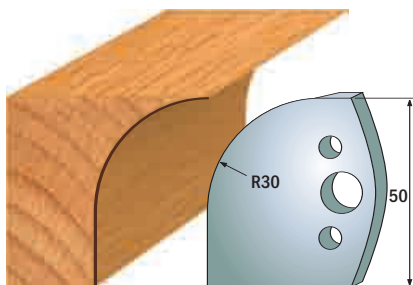
Pair of knives

690.561



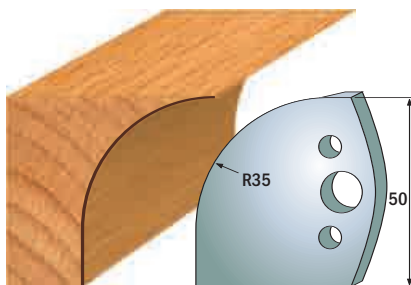
Pair of knives

690.562



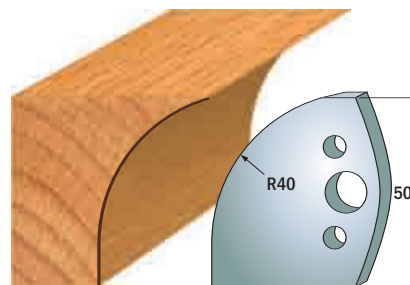
Pair of knives

690.563



Pair of knives

690.564



Pair of knives

690.565

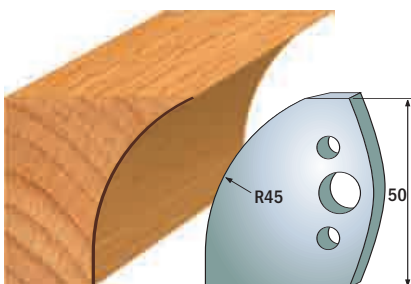
Note: all knives and limitors only available in pairs

Drawings are 1:2 scale

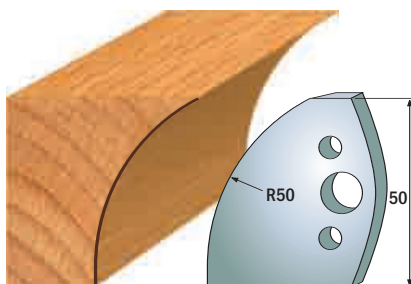
Dimension in mm.

Profile Knives for the Insert Shaper System

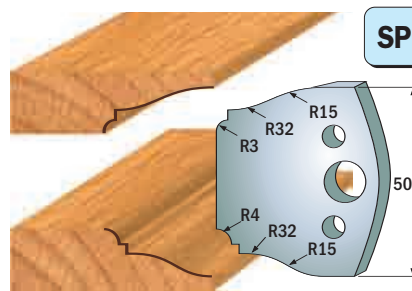
Cutting length=1-31/32" (50mm) - Thickness=5/32" (4mm)



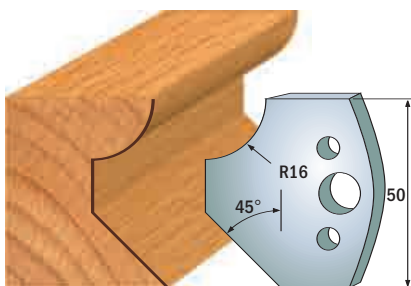
Pair of knives **690.566**



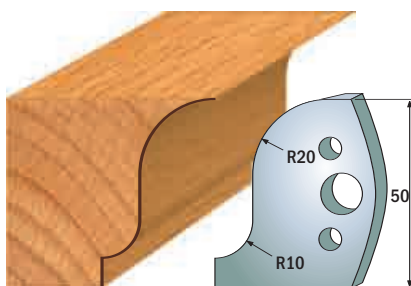
Pair of knives **690.567**



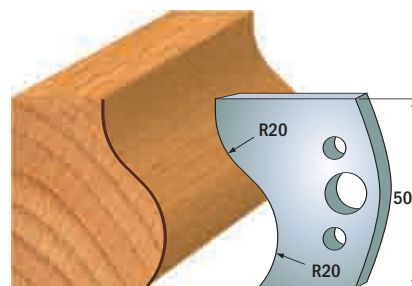
Pair of knives **690.568**



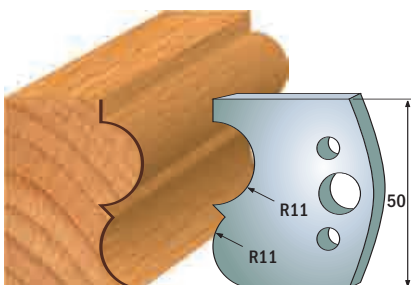
Pair of knives **690.569**



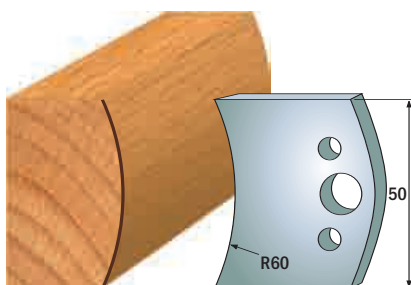
Pair of knives **690.570**



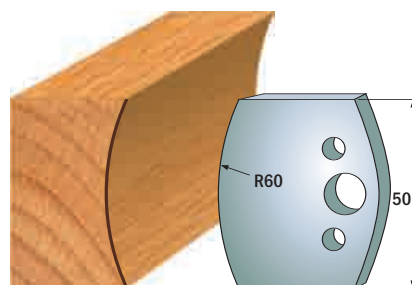
Pair of knives **690.571**



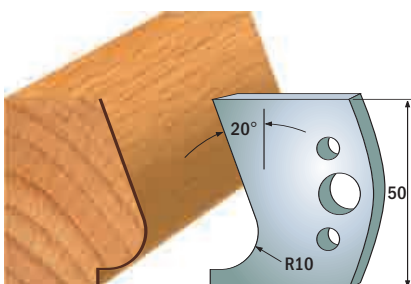
Pair of knives **690.572**



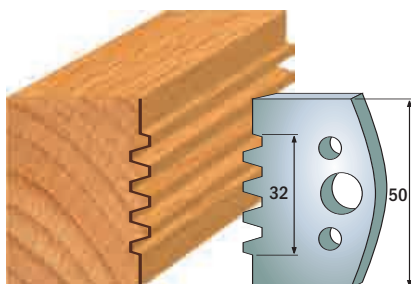
Pair of knives **690.573**



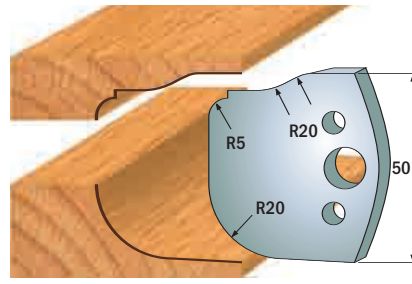
Pair of knives **690.574**



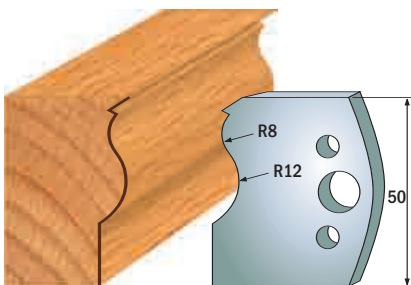
Pair of knives **690.575**



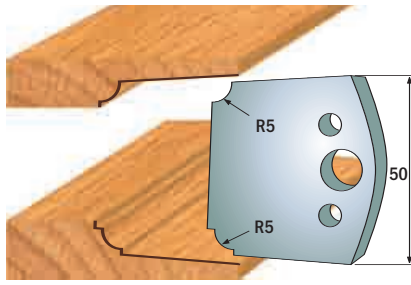
Pair of knives **690.576**



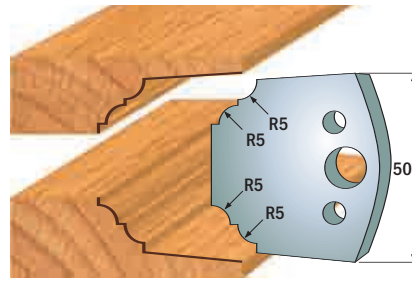
Pair of knives **690.577**



Pair of knives **690.578**



Pair of knives **690.579**



Pair of knives **690.580**

Note: all knives and limitors only available in pairs

Drawings are 1:2 scale

Dimension in mm.

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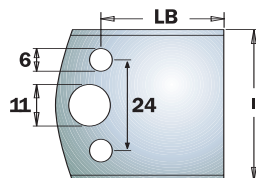
Dowel Drills

Boring Bits

Cutter Heads
& Knives

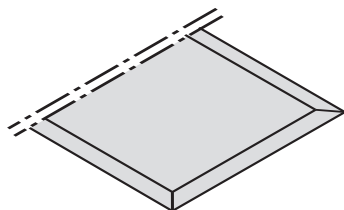
Spare Parts

Blank Knives


690
SP

Description	ORDER NO.	LB		I	
		inches	mm	inches	mm
Pair of knives	690.193	1-9/32	32.5	1-37/64	40
Pair of knives	690.599	1-11/32	34	2	50

Planer and Jointer knives HS 18%W



Available on request

MATERIAL	18%W
Dry Softwood	●
Wet Softwood	○
Dry Hardwood	●
Wet Hardwood	●
Glulam	○

- Suitable
 ○ Party suitable

792
HS

ORDER NO.	L mm	H mm	K mm	Knives per set
792.130.30	130	30	3	2
792.150.30	150	30	3	2
792.180.30	180	30	3	2
792.230.30	230	30	3	2
792.400.30	400	30	3	2
792.400.35	400	35	3	2
792.500.35	500	35	3	2
792.600.35	600	35	3	2
792.710.35	710	35	3	2
792.997.30	1050	30	3	2
792.997.35	1050	35	3	2

Remark: special dimensions available on request.

The mirror finish on HW knives produces both razor sharp and extremely durable cutting edges.

Magnetic Knife Setting Jigs

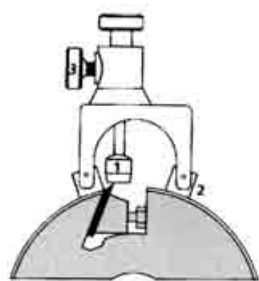

CMT792

The best knives won't perform well unless they are properly installed and aligned. The built-in magnets grip both planer head and knives, while you use the integral adjustments to get your knives in perfect position.

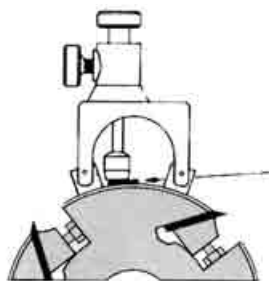
- 1. MAGNETIZED CERAMIC STOP**
- 2. JOINTS WITH MAGNETIZED CONNECTORS**
- 3. PRECISION DEPTH STOP**

Set supplied in a wooden box with 2 setters and gauge thickness 0,8 - 1 - 1,2mm.

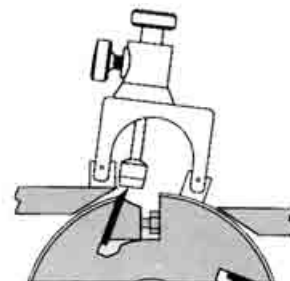
3 setup possibilities



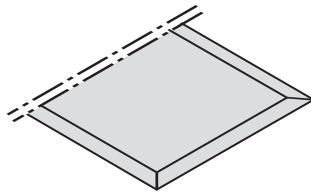
Positioning onto the toolholder body with marking onto the original knife.



Positioning onto the toolholder body setting with one of the supplied gauges.



Positioning directly onto the machine table and the toolholder body.



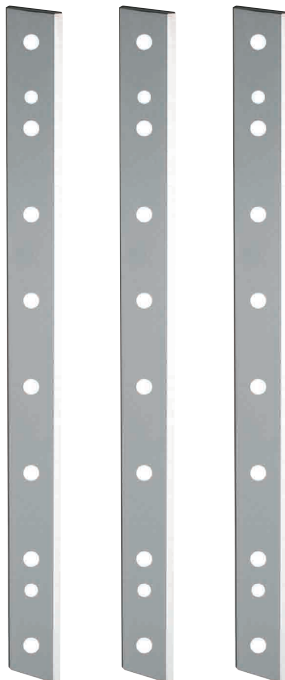
IN QUADROPACK PACKAGING

MATERIAL

Dry Softwood	●
Wet Softwood	○
Dry Hardwood	●
Wet Hardwood	●
Glulam	○

- Suitable
○ Party suitable

3 pcs Set #794.330 for DeWalt 735



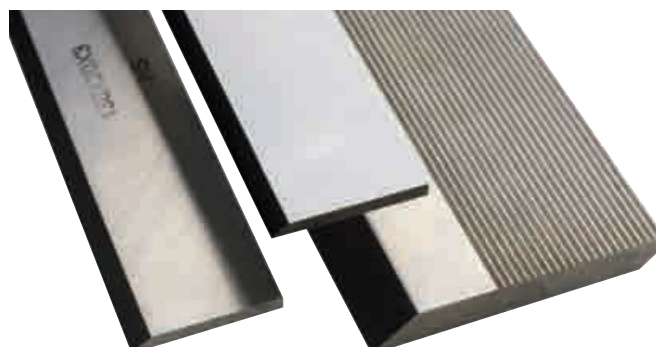
CMT's new selection of Planer & Jointer Knives are carefully ground from fine European high speed steel. You'll appreciate the high quality finish on these tools, and more important, you'll love the excellent finish they produce on your work!

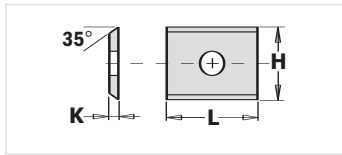
794

HS

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
794.301	12	5/8	1/8	3
794.302	12	3/4	1/8	3
794.303	12	7/8	1/8	3
794.304	12	1	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
794.331	13-1/8	11/16	5/32	1
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
794.645	25	1	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
794.943	37	1-3/8	5/32	1
794.944	37	1-1/2	5/32	1
For DeWalt 735				
794.330	13	7/8	3/32	3

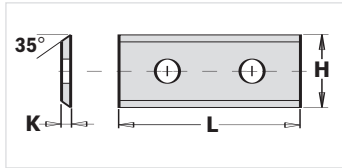
new





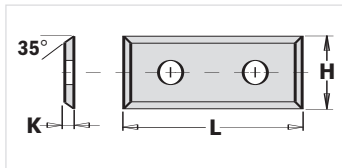
790 Standard insert knives 2 cutting edges 35°

Sizes mm			Angle	ORDER NO.			
L	H	K		HC05	MG06	SMG02	UMG04
7.5 x 12 x 1.5			35°	790.075.00			
7.65 x 12 x 1.5			35°	790.076.00			
9.6 x 12 x 1.5			35°	790.096.00			
15 x 12 x 1.5			35°	790.150.00			
20 x 12 x 1.5			35°	790.200.00	790.200.02	790.200.03	



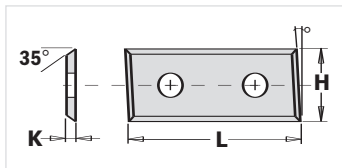
790 Standard insert knives 2 cutting edges 35°

Sizes mm			Angle	ORDER NO.			
L	H	K		HC05	MG06	SMG02	UMG04
24.7 x 12 x 1.5			35°	790.250.00			
30 x 12 x 1.5			35°	790.300.00	790.300.02	790.300.03	790.300.04
40 x 12 x 1.5			35°	790.400.00	790.400.02	790.400.03	
50 x 12 x 1.5			35°	790.500.00	790.500.02	790.500.03	790.500.04
60 x 12 x 1.5			35°	790.600.00		790.600.03	



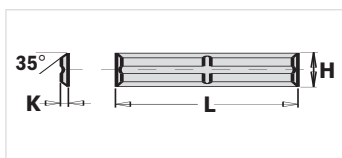
790 Standard insert knives 4 cutting edges 35°

Sizes mm			Angle	ORDER NO.			
L	H	K		HC05	MG06	SMG02	UMG04
29.5 x 9 x 1.5			35°	790.295.09			
29.5 x 12 x 1.5			35°	790.295.12			
49.5 x 9 x 1.5			35°	790.495.09			
49.5 x 12 x 1.5			35°	790.495.12			



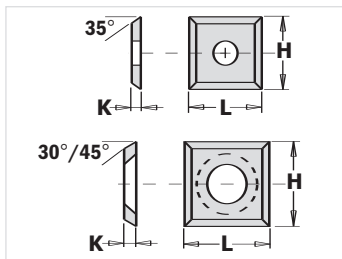
790 Standard insert knives 4 cutting edges 35°

Sizes mm			Angle	ORDER NO.			
L	H	K		HC05	MG06	SMG02	UMG04
28.3 x 12 x 1.5			35°	790.283.12			
48.3 x 12 x 1.5			35°	790.483.12			



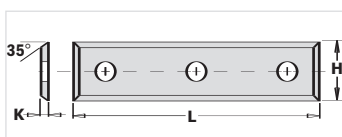
790 Standard insert knives 4 cutting edges 35°

Sizes mm			Angle	ORDER NO.			
L	H	K		HC05	MG06	SMG02	UMG04
20 x 4.1 x 1.1			35°	790.200.01			
30 x 5.5 x 1.1			35°	790.300.01			
50 x 5.5 x 1.1			35°	790.500.01			



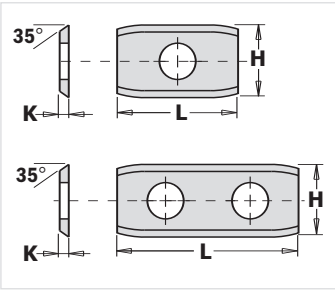
790 Standard insert knives 4 cutting edges 35°

Sizes mm			Angle	ORDER NO.			
L	H	K		HC05	MG06	SMG02	UMG04
12 x 12 x 1.5			35°	790.120.00	790.120.02	790.120.03	
14 x 14 x 1.2			30°	790.140.10			
14 x 14 x 2			30°	790.140.00		790.140.03	
14 x 14 x 2			45°		790.140.02		



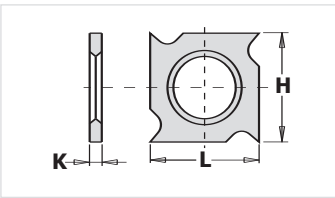
790 Standard insert knives 4 cutting edges 35°

Sizes mm			Angle	ORDER NO.			
L	H	K		HC05	MG06	SMG02	UMG04
50 x 9 x 1.5			35°	790.500.09			



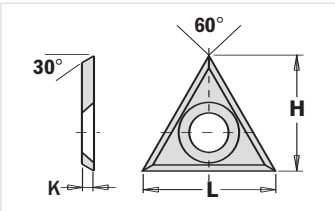
790 Standard insert knives 2 cutting edges 35°

Sizes mm			Angle	ORDER NO.			
L	H	K		HC05	MG06	SMG02	UMG04
20 x 12 x 1.5			35°	790.201.00			
30 x 12 x 1.5			35°	790.301.00			
50 x 12 x 1.5			35°	790.501.00			



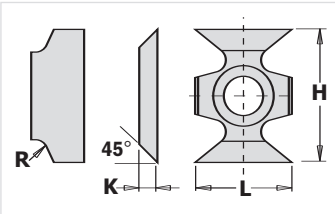
790 Standard insert knives 4 cutting edges 35°

Sizes mm			Angle	ORDER NO.			
L	H	K		HC05	MG06	SMG02	UMG04
18 x 18 x 2			35°	790.181.00			
18 x 18 x 2.5			35°	790.182.00			



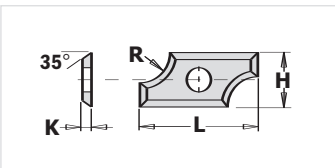
790 Standard insert knives 30°

Sizes mm			Angle	ORDER NO.			
L	H	K		HC05	MG06	SMG02	UMG04
22 x 19 x 2			30°	790.220.02			



790 Edge rounding/chamfering insert knives

Sizes mm			R	Angle	ORDER NO.			
L	H	K	mm		HC05	MG06	SMG02	UMG04
16 x 22 x 5			1,5		790.161.00			
16 x 22 x 5			2		790.162.00			
16 x 22 x 5			3		790.163.00			
16 x 22 x 5				45°	790.160.00			



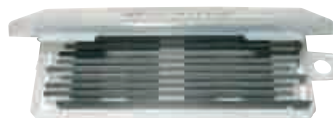
790 Profiled rounding insert knives 4 cutting edges 35°

Sizes mm			R mm	Angle	ORDER NO.			
L	H	K			HC05	MG06	SMG02	UMG04
19.5 x 9 x 1.5			2	35°	790.020.00			
19.5 x 9 x 1.5			3	35°	790.030.00			
19.5 x 9 x 1.5			5	35°	790.050.00			
24 x 12 x 1.5			6,4	35°	790.064.00			
24 x 12 x 1.5			8	35°	790.080.00			

TECHNICAL DETAILS:

- HC05** Hardness (HRA10): 92.7 - Transverse rupture strength (P.S.I.): 305,000
- MG06** Hardness (HRA10): 92.3 - Transverse rupture strength (P.S.I.): 536,500
- SMG02** Hardness (HRA10): 95.2 - Transverse rupture strength (P.S.I.): 508,000
- UMG04** Hardness (HV10): 2.550 - Transverse rupture strength (P.S.I.): 464,000

All knives are supplied in 10 pcs. cases.



MATERIAL	HC05	MG06	SMG02	UMG04
Dry Softwood	●			
Wet Softwood	●			
Dry Hardwood	●	●		
Wet Hardwood	●	●		
Chipboard		●	●	●
MDF		●	●	●
HDF			●	●
Solid Surface				●

● Suitable

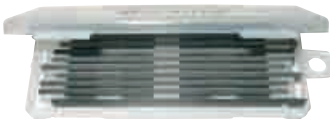
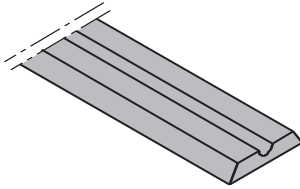
Solid Carbide Insert Knives for Portable Planers



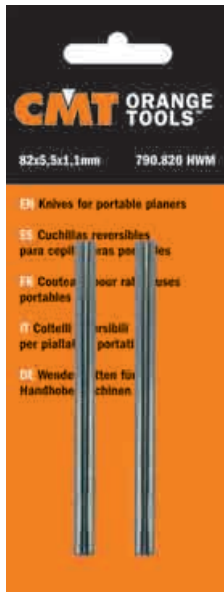
SOLID CARBIDE



790



10-PCS. CASE



2-PCS. BLISTER CASE

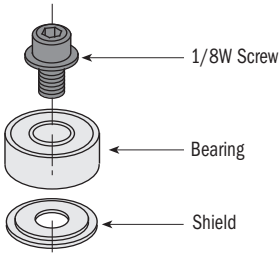
TECHNICAL DETAILS:

- Code USA: C1
- Hardness (HRA): 90.3
- Transverse rupture strength (P.S.I.): 377,000

APPLICATION:

- Soft wood Good
- Hard wood Suitable
- Plywood Suitable

Sizes_mm L H K	Machine	Model machine	ORDER NO. 2 pcs. blister case	ORDER NO. 10 pcs. blister case
56.0 x 5.5 x 1.1	Adler			790.560.00
60.0 x 5.5 x 1.1	Wegoma			790.600.01
75.5 x 5.5 x 1.1	Aeg	HTH75		790.755.00
	Black & Decker	DN75, 750SR, 600K		
	Bosch	0590, P400, 1590, 1591		
	Festo	REP75		
	Haffner	FH222		
	Holz-Her	2223, 2286, 2320		
	Kress	Jet-Star 6701, 6702		
	Mafell	HU75		
	Metabo	6375		
	Scheer	MH75/3, MH80		
	Skil	98H		
80.5 x 5.9 x 1.2	Elu	MFF40, MFF80, MFF81, MFF81EK, PF161		790.805.00
80.5 x 5.5 x 1.1	Elu	MFF80	790.805	
	Aeg			
	Bosch			
	Haffner			
82.0 x 5.5 x 1.1	Aeg	EH82, EH825, EH822, EH450, EH700, EH82-1, H500, H750, EH700R	790.820	
	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		
82.7 x 5.5 x 1.1	Black & Decker	DN710, DN712, DN730, DN71-02, DN71-03, BD711		790.827.00
92.0 x 5.5 x 1.2	Aeg	450		790.920.00
	Hitachi	F30A, FU30		
	Ryobi	L120N, L150N, L1205N, L1323		
102.0 x 5.5 x 1.1	Aeg	HB750, EH102, HBE800		790.992.00



Be Sure: to keep the black washer right side up to correspond with the bearing rotation during reassembly.

791 Top-Quality Bearings

ORDER NO.	D		d		T ₁ mm
	inches	mm	inches	mm	
791.035.00	1/4	6.35	1/8	3.17	3.2
791.002.00	3/8	9.5	3/16	4.76	3.2
791.003.00	1/2	12.7	3/16	4.76	5
791.010.00	1/2	12.7	1/4	6.35	4.8
791.022.00		13		5	4
791.018.00	5/8	15.8	3/16	4.76	5
791.009.00	5/8	15.8	1/4	6.35	5
791.006.00		16		5	5
791.025.00		16		8	5
791.019.00	3/4	19	3/16	4.76	7.5
791.007.00		19		6	6
791.004.00	3/4	19	1/4	6.35	7
791.034.00		19		8	6
791.011.00	3/4	19	1/2	12.7	4
791.012.00		22		8	6
791.005.00		22		8	7
791.017.00	7/8	22.2	3/16	4.76	7.5
791.021.00	7/8	22.2	3/8	9.52	7
791.013.00	7/8	22.2	1/2	12.7	4
791.026.00		28		12	8
791.014.00	1-1/8	28.5	3/16	4.76	8.4
791.030.00	1-1/8	28.5		8	8.5
791.027.00	1-1/8	28.5	1/2	12.7	8
791.033.00	1-1/4	31.7		8	5
791.015.00	1-1/4	31.7	1/2	12.7	10
791.016.00	1-3/8	34.9	3/16	4.76	11.5
791.031.00	1-3/8	34.9		8	11.6
791.029.00	1-3/8	34.9	1/2	12.7	11
791.028.00		37		12	12
791.020.00	1-1/2	38.1	1/2	12.7	13.3




10° Delrin® conical bearing

ORDER NO.	D		d		T ₁ mm
	inches	mm	inches	mm	
791.041.00	3/4	19	3/16	4.76	6.8

Delrin® triangular bearings

ORDER NO.	D		d		T ₁ mm
	inches	mm	inches	mm	
791.042.00	1/2	12.7	3/16	4.76	5.8
791.043.00	3/4	19	3/16	4.76	7

Delrin® cylindrical bearings

ORDER NO.	D		d		T ₁ mm
	inches	mm	inches	mm	
 791.044.00	1/2	12.7	3/16	4.76	5
 791.045.00	5/8	15.8	3/16	4.76	7.2
 791.046.00	3/4	19.05	3/16	4.76	6.8





990.422/423 Shield for bearing

ORDER NO.	DESCRIPTION
990.422.00	Shield for 3/8" bearing
990.423.00	Shield for 1/2" bearing



1/8W



TSPEI



STEI



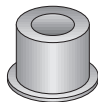
Torx

990 Screw for bearing

ORDER NO.	DESCRIPTION
990.058.00	Screw 1/8W x 3/8"
990.059.00	Screw 1/8W x 1/2"
990.004.00	Screw TSPEI M4x6mm
990.055.00	Screw TSPEI M5x12mm (for 823 slot cutter)
990.063.00	Screw TSPEI M5x18mm
990.005.00	Screw STEI M3x3mm (for 541 stop collar)
990.064.00	Screw STEI M8x16mm (for 692)
990.065.00	Screw STEI M8x12mm (for 693)
990.066.00	Screw STEI M6x16mm (for 694)
990.084.00	Screw STEI M6x20mm (for 694)
990.085.00	Screw STEI M6x25mm (for 694)
990.086.00	Screw STEI M8x20mm (for 694)
990.052.00	Screw TCEI M4x6mm
990.051.00	Screw TCEI M3x6mm

Torx screw

990.079.00	Screw Torx M4x3,2mm (for 694.001)
990.080.00	Screw Torx T15 M5x6,5mm (for 694.100)
990.063.00	Screw Torx T25 M5x18mm (for 694.001)
990.071.00	Screw Torx T8 M2,5x4,5x6mm D=3,5mm
990.072.00	Screw TB Torx T15 M3,5x3,5x5,5mm
990.073.00	Screw TB Torx T15 M3,5x5x7mm
990.074.00	Screw TB Torx T15 M4x3,5x5,5mm
990.075.00	Screw TB Torx T15 M4x6x8,5mm
990.076.00	Screw TB Torx T15 M4x4x6,5mm



799 Reduction bushing for bearing

ORDER NO.	d		D	
	inches	mm	inches	mm
799.019.00	3/16	4.76	1/4	6.35
799.017.00	3/16	4.76	5/16	8
799.014.00	3/16	4.76	1/2	12.7



Hex key



Torx key

991 Key for bearing screws

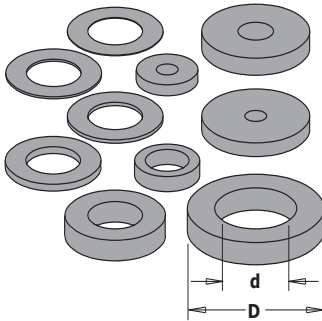
ORDER NO.	DESCRIPTION
Hex key	
991.057.00	3/32" hex key for 1/8" screw
991.056.00	1.5mm hex key
991.060.00	2mm hex key
991.062.00	2.5mm hex key
991.067.00	3mm hex key
991.064.00	4mm hex key
991.065.00	5mm hex key
991.066.00	6mm hex key

ORDER NO.	DESCRIPTION
Torx key	
991.063.00	Key Torx T8
991.069.00	Key Torx T9
991.061.00	Key Torx T15
991.072.00	Key Torx T20
991.073.00	Key Torx T25
991.071.00	Key Torx T30



541 Stop collar for top bearing bits

ORDER NO.	DESCRIPTION
541.001.00	Stop collar for 1/4" shanks
541.002.00	Stop collar for 1/2" shanks
541.006.00	Stop collar for 3/8" shanks



541 Spacer/Shims

ORDER NO.	d mm	D mm	T mm
541.550.00	3.25	9	1.6
541.552.00	3.25	15.8	2
541.551.00	5.2	15.8	2.5
541.514.00	6.4	9.52	2.2
541.515.00	8	14	0.1
541.516.00	8	14	0.3
541.517.00	8	14	0.5
541.518.00	8	14	1
541.500.00	8	14.7	3
541.501.00	8	14.7	4
541.519.00	8	14.7	5.8
541.512.00	12	20	2
541.511.00	12	20	3
541.513.00	12	21	0.1
541.520.00	12	21	0.3
541.521.00	12	21	1.59
541.522.00	12	21	3.18
541.523.00	12	21	6.16
541.524.00	12	21	1
541.525.00	12	21	0.5



799 Bushings

ORDER NO.	d inches mm	D inches mm	L inches
799.064.00	1/4 6.35	5/16 8	1
799.164.00	1/4 6.35	3/8 9.5	1
799.264.00	1/4 6.35	1/2 12.7	1
799.001.00	3/8 9.5	1/2 12.7	1



990 Nuts

ORDER NO.	DESCRIPTION
990.020.00	Nut for arbor M8 thread
990.022.00	Nut for arbor M12x1.25 thread



796 Collet chuck

ORDER NO. 1/2" shank	DESCRIPTION
796.001.00	Router collet extension with 1/2" collet
796.001.01	Router collet extension with 1/4" collet
796.564.00	Spare collet 1/4"
796.627.00	Spare collet 1/2"

NEW

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& Accessories

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& Chucks

Dowel Drills

Boring Bits

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& Knives

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Saw Blades

Router Bits

Router Bits
& Sets

Jigs
& Accessories

CNC Router Bits
& Chucks

Dowel Drills

Boring Bits

Cutter Heads
& Knives

Spare Parts

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Spare Parts										

Conversion Table



Inch Decimals	Inch Fractions (x)						Millimeters					
	1/64	1/32	1/16	1/8	1/4	1/2	mm	1" + (x)	2" + (x)	3" + (x)	4" + (x)	5" + (x)
								25.400	50.800	76.200	101.600	127.000
0.015625	1/64						0.397	25.797	51.197	76.597	101.997	127.397
0.031250		1/32					0.794	26.194	51.595	76.994	102.394	127.794
0.046875	3/64						1.191	26.591	51.991	77.391	102.791	128.191
0.062500			1/16				1.588	26.988	52.388	77.788	103.188	128.588
0.078125	5/64						1.984	27.384	52.784	78.184	103.584	128.984
0.093750		3/32					2.381	27.781	53.181	78.581	103.981	129.381
0.109375	7/64						2.778	28.178	53.578	78.978	104.378	129.778
0.125000				1/8			3.175	28.575	53.975	79.375	104.775	130.175
0.140625	9/64						3.572	28.972	54.372	79.772	105.172	130.572
0.156250		5/32					3.969	29.369	54.769	80.169	105.569	130.969
0.171875	11/64						4.366	29.766	55.166	80.568	105.966	131.366
0.187500			3/16				4.762	30.162	55.562	80.962	106.362	131.762
0.203125	13/64						5.159	30.559	55.959	81.359	106.759	132.159
0.218750		7/32					5.556	30.956	56.356	81.756	107.156	132.556
0.234375	15/64						5.953	31.353	56.753	82.153	107.553	132.953
0.250000					1/4		6.350	31.750	57.150	82.550	107.950	133.350
0.265625	17/64						6.747	32.147	57.547	82.947	108.347	133.747
0.281250		9/32					7.144	32.544	57.944	83.344	108.744	134.144
0.296875	19/64						7.541	32.941	58.341	83.741	109.141	134.541
0.312500			5/16				7.938	33.338	58.738	84.138	109.538	134.938
0.328125	21/64						8.334	33.734	59.134	84.534	109.934	135.334
0.343750		11/32					8.731	34.131	59.531	84.931	110.331	135.731
0.359375	23/64						9.128	34.528	59.928	85.328	110.728	136.128
0.375000				3/8			9.526	34.925	60.325	85.725	111.125	136.525
0.390625	25/64						9.922	35.322	60.722	86.122	111.522	136.922
0.406250		13/32					10.319	35.719	61.119	86.519	111.919	137.319
0.421875	27/64						10.716	36.116	61.516	86.916	112.316	137.716
0.437500			7/16				11.112	36.512	61.912	87.312	112.712	138.112
0.453125	29/64						11.509	36.909	62.309	87.709	113.109	138.509
0.468750		15/32					11.906	37.306	62.706	88.106	113.506	138.906
0.484375	31/64						12.303	37.703	63.103	88.503	113.903	139.303
0.500000						1/2	12.700	38.100	63.500	88.900	114.300	139.700
0.515625	33/64						13.097	38.497	63.897	89.297	114.697	140.097
0.531250		17/32					13.494	38.894	64.294	89.694	115.094	140.494
0.546875	35/64						13.891	39.291	64.691	90.091	115.491	140.891
0.562500			9/16				14.288	39.688	65.088	90.488	115.888	141.288
0.578125	37/64						14.684	40.084	65.484	90.884	116.284	141.684
0.593750		19/32					15.081	40.481	65.881	91.281	116.681	142.081
0.609375	39/64						15.478	40.878	66.278	91.678	117.078	142.478
0.625000				5/8			15.875	41.275	66.675	92.075	117.475	142.875
0.640625	41/64						16.272	41.672	67.072	92.472	117.872	143.272
0.656250		21/32					16.669	42.069	67.469	92.869	118.269	143.669
0.671875	43/64						17.066	42.466	67.866	93.266	118.666	144.066
0.687500			11/16				17.462	42.862	68.262	93.662	119.062	144.462
0.703125	45/64						17.859	43.259	68.659	94.059	119.459	144.859
0.718750		23/32					18.256	43.656	69.056	94.456	119.856	145.256
0.734375	47/64						18.653	44.053	69.453	94.855	120.253	145.653
0.750000					3/4		19.050	44.450	69.850	95.250	120.650	146.050
0.765625	49/64						19.447	44.847	70.247	95.647	121.047	146.447
0.781250		25/32					19.844	45.244	70.644	96.044	121.444	146.844
0.796875	51/64						20.241	45.641	71.041	96.441	121.841	147.241
0.812500			13/16				20.638	46.038	71.438	96.838	122.238	147.638
0.828125	53/64						21.034	46.434	71.834	97.234	122.634	148.034
0.843750		27/32					21.431	46.831	72.231	97.631	123.031	148.431
0.859375	55/64						21.828	47.228	72.628	98.028	123.428	148.828
0.875000				7/8			22.225	47.625	73.025	98.425	123.825	149.225
0.890625	57/64						22.622	48.022	73.422	98.822	124.222	149.622
0.906250		29/32					23.019	48.419	73.819	99.219	124.619	150.019
0.921875	59/64						23.416	48.816	74.216	99.616	125.016	150.416
0.937500			15/16				23.812	49.212	74.612	100.012	125.412	150.812
0.953125	61/64						24.209	49.609	75.009	101.409	126.809	152.209
0.968750		31/32					24.606	50.000	75.406	101.806	127.206	152.606
0.984375	63/64						25.003	50.403	75.803	102.203	127.603	153.003

Saw Blades

Router Bits

Router Bits
Sets

Jigs
& Accessories

CNC Router Bits
& Chucks

Dowel Drills

Boring Bits

Cutter Heads
& Knives

Spare Parts

Terms and Conditions of Sale



Formation of Contract:

1. All sales are subject exclusively to these terms and conditions.
2. CMT objects to all additional or different terms and conditions proposed by purchaser.
3. Purchaser shall be bound to these terms and conditions upon the earlier of acceptance of the products ordered or ten (10) days after receipt of CMT's order confirmation, invoice, packing slip or other document containing these terms and conditions.
4. Any order made with reference to CMT's price list shall be deemed to incorporate these terms and conditions.

Pricing and Payment:

1. Prices are subject to change without notice. Goods will be billed at prices in effect at the time of shipment unless otherwise specified by CMT.
2. In the event of a price decrease, adjustments, rebates or refunds for stock on hand are not permitted.
3. Prices listed exclude tax. Buyer is responsible for all federal, state and other applicable taxes.
4. Payment terms are net 30 days. Call your CMT representative for special terms on orders that exceed \$3,000.00 net. Payment terms are based on the invoice date, past due accounts will be charged a one and one-half percent (1-1/2%) service charge where permitted by law.
5. Backorders will be shipped at net 30 day terms and will ship prepaid freight if the original order exceeds \$500.00 in the continental United States and \$1,000 in Canada.
6. All orders are subject to credit approval by CMT.
7. List Prices are "suggested" only, distributors may sell for higher or lower prices.
8. Pricing is valid in the continental United States only, prices for other areas may vary.
9. To secure the purchase price of this and all other orders placed by purchaser, purchaser grants to CMT a continuing purchase money security interest in all products sold, including future orders and to their proceeds.
10. Purchaser must never short-pay invoices. If there is a billing discrepancy, please contact CMT immediately.

Minimum Orders:

1. A \$7.50 handling fee will apply to orders of less than \$75.00 net.
2. For items marked "must be purchased in these multiples," CMT will increase the order quantity when necessary to meet the minimum quantity.

Shipping Terms:

CMT will pay the freight on orders over \$500.00 net to accounts in the continental United States and \$1,000 in Canada, except as noted in item "8" below. All orders under \$500.00 net, and all export orders, will be shipped FOB Greensboro, NC. Notwithstanding payment of freight, risk of loss to all goods passes upon tender of delivery to a common carrier.

Please note the following conditions:

1. Shipment must be to one location in order to qualify for prepaid freight.
2. CMT reserves the right to choose the most economical routing on all pre paid orders.
3. Any claims for shortage or damage of goods must be reported within 10 days of receipt of goods.
4. Add-on orders will not be accepted.
5. Parcel post shipments will be insured at buyer's expense. CMT will not be responsible for placing a valuation on shipments unless requested by the buyer.
6. All shipping dates are estimates only; in no event will CMT be liable to buyer for late delivery.
7. Partial deliveries are acceptable.
8. Standard freight policy does not apply to router table shipments. CMT will pay the freight on orders that include three (3) or more router tables.
9. A \$7.50 handling fee will be added to drop ship orders, including those sent freight collect. This charge will not be added to orders already incurring the \$7.50 fee applied to orders for less than \$75.00

Limited Lifetime Warranty:

1. CMT carbide and carbide tipped router bits and saw blades are designed, engineered and manufactured to uncompromising standards for optimum performance and service life. If, for any reason, you are not satisfied with the performance of your CMT 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. Warranty excludes dull, misused, damaged or resharpened tools.
2. THE FOREGOING LIMITED WARRANTY IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. CMT expressly disclaims all other statements or representations of product quality or performance made by sales representatives or in literature or documents given to buyer.
3. The remedy provided in paragraph 1 is buyer's exclusive remedy for all claims and causes of action based upon or arising out of any allegation of product defect. In no event shall CMT's liability to buyer under any theory of liability exceed the purchase price of the product alleged to be defective.

Returned Goods:

CMT will accept the return of goods that are defective or have been shipped in error. All returned goods must be accompanied by a returned goods authorization number, which must be obtained from the CMT office or a CMT authorized agent PRIOR to the return. If a return is authorized, the following conditions apply:

1. Credit will be issued at the price paid or the current price, whichever is lower, less a 15% restocking and reconditioning charge. (Restocking charge does not apply to defective goods).
2. The shipper must pay transportation charges.
3. Any approved return of inventory must be accompanied by an order in an amount at least equal to the net value of the credit. (Does not apply to defective goods)
4. Written authorization must be obtained from CMT before the return will be accepted.

General Conditions:

CMT USA, Inc. reserves the right to make product changes without notice and without obligating itself to make these changes on previously sold products. Title and risk of loss or damage to the goods passes to the buyer upon delivery to the carrier regardless of who pays the shipping cost.

Liability:

CMT shall not be liable for damages to goods, property or persons due to improper installation or misapplication of equipment. IN NO EVENT WILL CMT BE LIABLE FOR LOST PROFITS, LOSS OF GOOD WILL, CONSEQUENTIAL, INCIDENTAL OR PUNITIVE DAMAGES OF ANY KIND, EVEN IF CMT HAS BEEN NOTIFIED OF THE POSSIBILITY OF CONSEQUENTIAL DAMAGES.

Disputes:

Buyer consents to the exclusive jurisdiction of the General Courts of Justice, Superior Court Division of the State of North Carolina for the adjudication of all claims and disputes arising out of or related to the sale of products and waives any objection to venue or convenient forum with respect to said court sitting in Greensboro, North Carolina. This contract and performance under shall be deemed made and performed in the State of North Carolina, and the domestic laws of that State shall govern its interpretation, construction and enforcement.

CMT USA, INC. 7609 BENTLEY ROAD SUITE D, GREENSBORO, NC 27409 PHONE 336-854-0201 FAX 336-854-0903

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Explanation of symbol



Antikick-back design



Radial relief



Tool with bearing



Not for hand held use
for router table only



Low noise
saw blade



Tungsten carbide tipped



Solid tungsten carbide



High speed steel



Alloyed tools steel



Insert carbide tool



Polycrystalline Diamond



Polycrystalline Diamond



One cutting edge



One + one cutting edges



Two cutting edges



Two + two cutting edges



Three cutting edges



Three + three
cutting edges



Three cutting edges
with chipbreaker



Four cutting edges



One spur



Two spurs



Four spurs



Right-hand rotation



Left-hand rotation



Right-hand & Left-hand
rotation



Manual feed



Mechanical feed



Cardboard box
for saw blades



Plastic carry case
for saw blades



Plastic carry case
for saw blades



Plastic carry case
for saw blades



Clam shell carry case
for saw blades



Plastic box
for cutter head



Wear dust mask



Wear safety helmet



Wear safety glasses



Wear safety shoes



Wear five finger gloves



Wear ear protection



Warning



Industrial Thin-kerf blade



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