

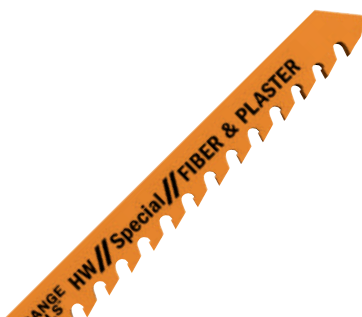
THE WIDEST TOOLING RANGE

CATALOGUE ENGLISH EDITION 2018

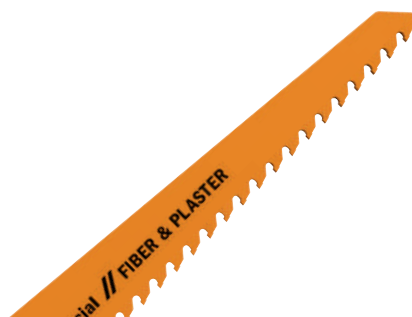
Saw Blades



Jig Saw Blades



Sabre Saw Blades



Tools for Multi-Cutters



Tools with Bore & Knives



Router Bits & Sets



CNC Router Cutters & Chucks



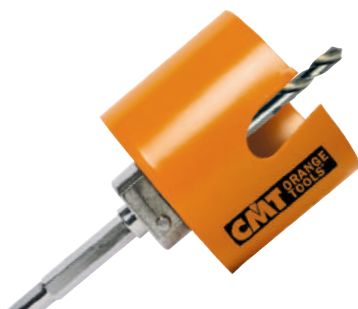
Industrial Dowel Drills



Bits for Hand Power Tools



Hole Saws



Power Tools



Accessories



Welcome to the 2018 catalogue

Dear Customer,

Thank you for your interest in CMT products.

Take a moment to browse our new catalogue and choose from an even wider range of innovative and state-of-the-art woodworking tools, from router bits, saw blades, jig and sabre saw blades, hole saws, and boring bits to oscillating tools, CNC cutters, cutter heads, chucks, power tools, and so much more!

A detailed list of spare parts on each product category is also provided to guide you through your purchase.

We continually strive to develop our technical know-how and make significant investments in research and development, but our greatest priority is customer care.

A satisfied customer is worth more than any other achievement; therefore, each page of this catalogue contains CMT's highest commitment to the professional woodworker.

Should you not find a product that suits your needs, please let us know.

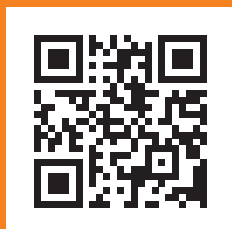
Our highly skilled engineers and design technicians are always keen to assist you with your woodworking operations.

Thank you for your interest in CMT Orange Tools.

Your CMT Team



www.cmtutensili.com



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Youtube: CMT Orange Tools

Find us on 



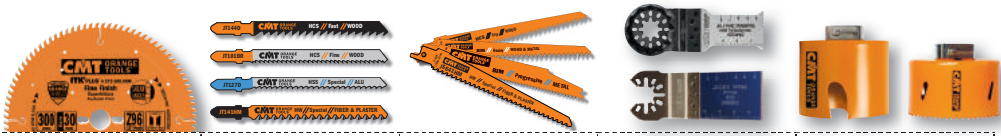
Facebook: CMT Orange Tools

Abbreviations

A	= Cutting angle	L	= Overall length
α	= Hook angle	L₁	= Working length
ATB	= Alternate top bevel grind	LB	= Adjusting length
B	= Bore diameter	LH	= Left-hand rotation
β	= Type of grind	MATB	= Alternate top bevel with chamfer grind
COMBI3	= Pin-Hole 2/7/42 + 2/9/46,4 + 2/10/60	MTCG	= Triple chip grind (trapezoidal) with chamfer
COMBI5	= Pin-Hole 2/7/110 + 2/8,4/130 + 2/14/110 + 4/9/100 + 4/19/120	mm	= Millimeters
COMBI7	= Pin-Hole 2/10/80 + 1/11/85 + 2/11/115 + 2/11/148 + 2/14/100 + 2/14/125 + 2/19/120	P	= Plate thickness
d	= Small cutting diameter	Pack Qty.	= Dispatch package quantity
D	= Diameter	PTFE	= Non-stick industrial coating, black and orange
D₂	= Overall diameter	R, R₁	= Radius
D₃	= For shank diameter	RH	= Right-hand rotation
$\emptyset$	= Diameter	RPM	= Round per minute
FFT	= Flat flat trapezoidal	S, S₁	= Shank diameter
FTG	= Flat top grind	T₁	= Thickness / Maximum joint thickness
FWF	= Flat with alternate chamfer	TCG	= Triple chip grind (trapezoidal)
H	= Cutting depth	TS	= Tooth spacing
HDF	= Hollow ground teeth	TPI	= Teeth per inch
I	= Cutting length	V	= Spurs
I₁	= Short cutting length	W	= Width
K	= Kerf thickness	Z	= Number of teeth
		$\square$	= On request
		$\bullet$	= Solid tungsten carbide

THE RIGHT TOOLS FOR THE BEST RESULTS!

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



	SAW BLADES	JIG SAW BLADES	SABRE SAW BLADES	MULTI-CUTTERS	HOLE SAWS
WOOD					CARBIDE
WOOD & METAL		✓	✓	✓	
METAL					BI-METAL
ALUMINIUM					
MULTI-MATERIAL					
PLASTIC					
MASONRY					DIAMOND
SPECIAL					



SAW BLADES

5~50



JIG SAW BLADES

51~57



SABRE SAW BLADES

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TOOLS FOR MULTI-CUTTERS

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TOOLS WITH BORE & KNIVES

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ROUTER BITS & SET

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CNC ROUTER CUTTERS & CHUCKS

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INDUSTRIAL DOWEL DRILLS

275~300



BITS FOR HAND POWER TOOLS

301~319



HOLE SAWS

320~332



POWER TOOLS, JIGS & ACCESSORIES

333~365



DISPLAY CABINETS

366~375



SPARE PARTS

376~380

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

By now, the story has been told. After over 50 years of success and quality in manufacturing woodworking tools - orange woodworking tools, to be precise - word just sort of gets around. We have grown and we have changed, but one thing still remains the same: our commitment to making only the highest quality woodworking tools.



Pesaro, Italy



Greensboro, United States



Valencia, Spain

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

MANUFACTURING

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

THE FINAL TOUCH

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



QUALITY CONTROL

Nobody's perfect, but we're trying. CMT uses rigorous quality control programs and 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.



Loading the automated multi-axis CNC sharpening machines.

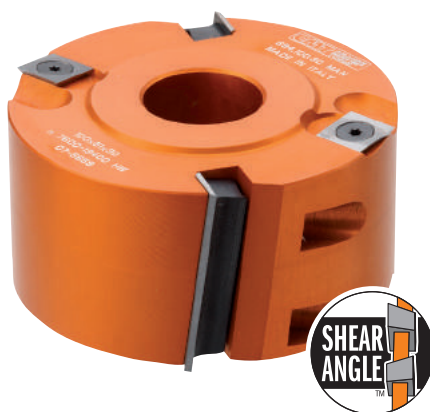


Fully automated assembly and marking.

TOOLS WITH BORE & KNIVES

PRODUCTS	PAGE
Rabbeting Cutter Heads	94-95
Adjustable Grooving Set	96-97
Planing & Jointing Spiral Cutter Heads	98
2 piece Adjustable Rounding & Chamfering Set	99
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HWM Reversible Knives	134-135
HWM Reversible Knives for Portable Planers	136





694.100

These cutter heads have been designed for:

- rabbeting from either top or bottom;
- jointing
- grooving

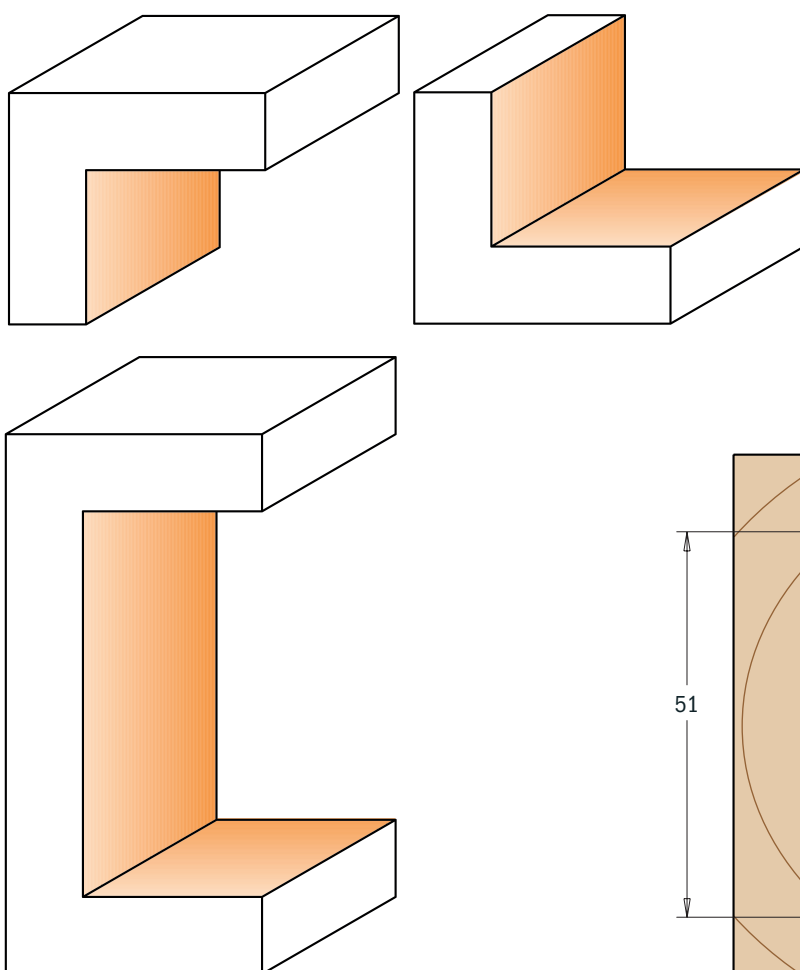
For use on spindle moulder machines, double-end tenoner and edging machines.

Suitable for all materials, but best on chipboard, MDF, wood composites, plastic materials and laminates. Improved design with shear angle.

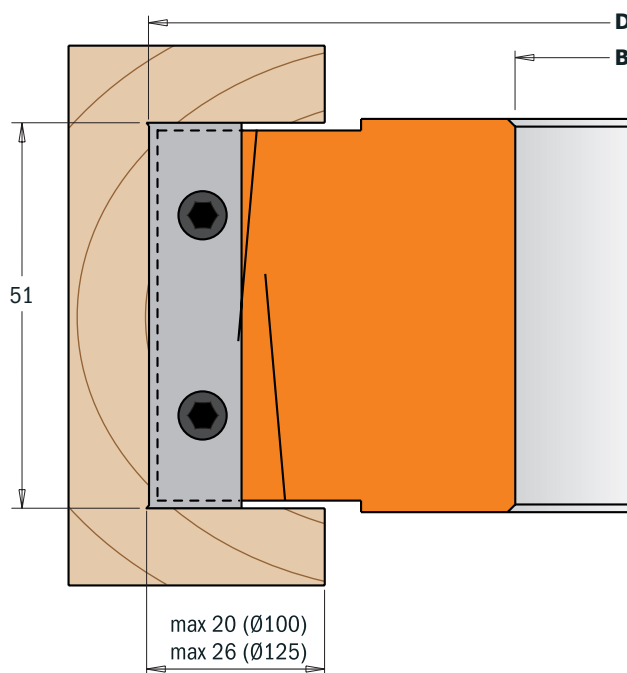
TECHNICAL DETAILS:

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

Supplied in a solid plastic box.



Drawing is 1:1 scale



D mm	B mm	I mm	Z+V	RPM	PACK Qty.	ORDER NO.	Spare parts						
100	19,05	51	2+4	7500~12500	1	694.100.19							
100	30	51	2+4	7500~12500	1	694.100.30	790.140.00	990.093.00	991.073.00	790.500.00	695.999.46	990.064.00	991.064.00
100	31,75	51	2+4	7500~12500	1	694.100.31	790.140.00	990.093.00	991.073.00	790.500.00	695.999.46	990.064.00	991.064.00
100	35	51	2+4	7500~12500	1	694.100.35	790.140.00	990.093.00	991.073.00	790.500.00	695.999.46	990.064.00	991.064.00
125	40	51	2+4	6100~10000	1	694.125.40	790.140.00	990.093.00	991.073.00	790.500.00	695.999.46	990.064.00	991.064.00
125	50	51	2+4	6100~10000	1	694.125.50	790.140.00	990.093.00	991.073.00	790.500.00	695.999.46	990.064.00	991.064.00

Cutter Heads for Rabbeting with 40mm Profile Knives



694.020

These cutter heads have been designed for:

- rabbeting from either top or bottom;
- jointing
- grooving
- 40mm SP profile knives

For use on spindle moulder machines, double-end tenoners and edging machines.

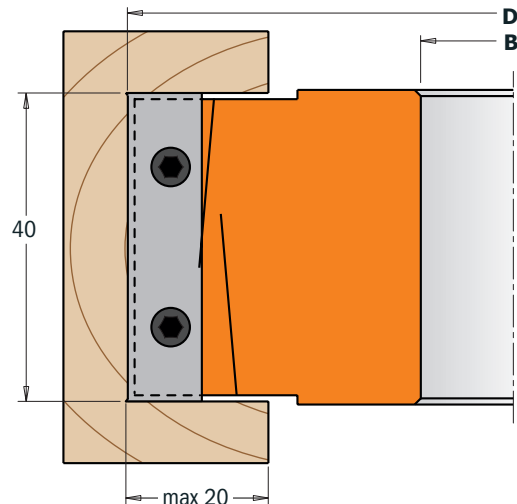
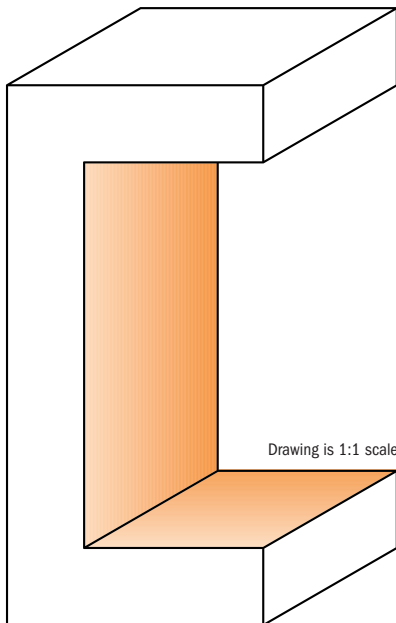
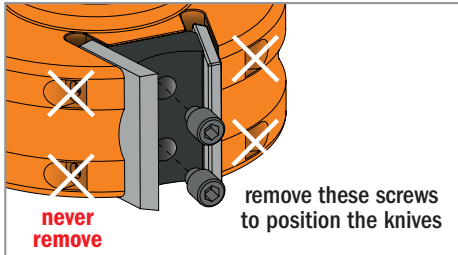
Suitable for all materials, but best on chipboard, MDF, wood composites, plastic materials and laminates.



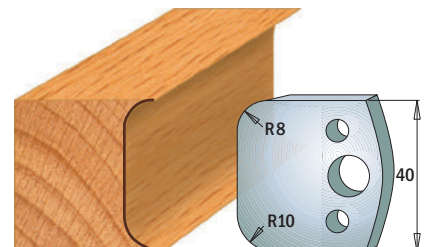
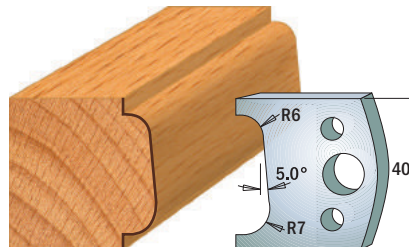
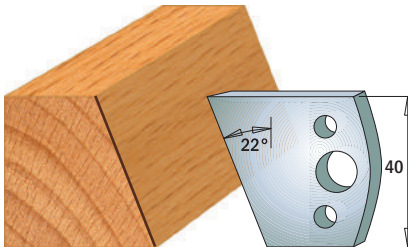
TECHNICAL DETAILS:

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

Supplied in a solid plastic box.



To use with all 40mm profile knives
(refer to pages 116 to 125)



Spare parts

D mm	B mm	I mm	Z+V	RPM	PACK Qty.	ORDER NO.	Spare parts						
													
100	30	40	2+2	7500~12500	1	694.020.30	790.140.00	990.093.00	991.073.00	790.400.00	693.999.01	990.065.00	991.064.00
100	31,75	40	2+2	7500~12500	1	694.020.31	790.140.00	990.093.00	991.073.00	790.400.00	693.999.01	990.065.00	991.064.00
125	35	40	2+2	7500~12500	1	694.020.35	790.140.00	990.093.00	991.073.00	790.400.00	693.999.01	990.065.00	991.064.00
125	40	40	2+2	7500~12500	1	694.020.40	790.140.00	990.093.00	991.073.00	790.400.00	693.999.01	990.065.00	991.064.00
125	50	40	2+2	7500~12500	1	694.020.50	790.140.00	990.093.00	991.073.00	790.400.00	693.999.01	990.065.00	991.064.00

Spare parts

691.192 Pair of limiters 40x4mm

695.020.01 Indexable knife edge block 38x4x15mm

3 piece Adjustable Grooving Sets



694.001

These cutter heads are the ideal tools to create precision slots and grooves on material 4 to 15mm deep. These sets include:

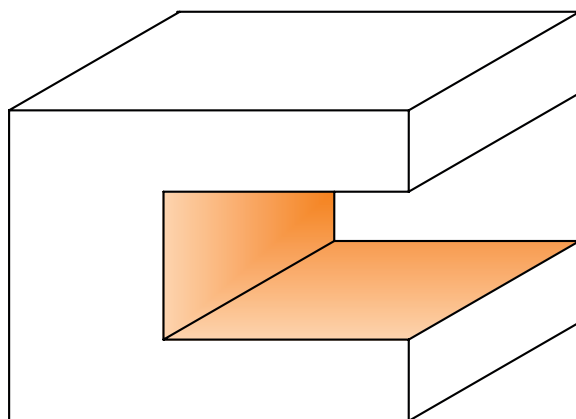
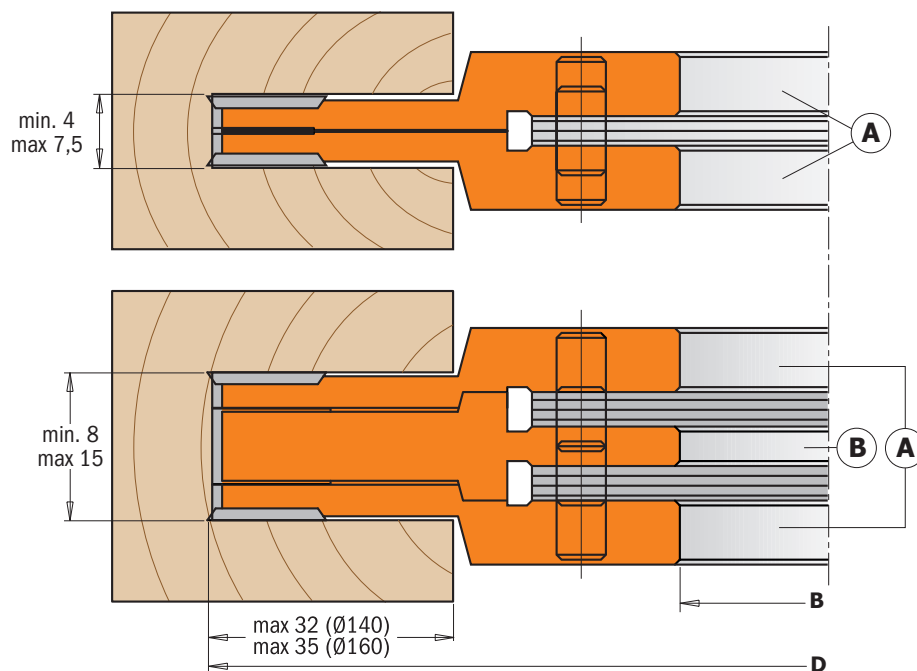
- 2 cutter heads type (A) [Z4 + V4]
- 1 cutter head type (B) [Z2]
- 12 spacer rings from 0,1 to 2mm

For use on your spindle moulder machines, double-end tenoner and shaper machines. Perfect grooving on all materials, but ideal on solid wood, plywood and laminated panels.

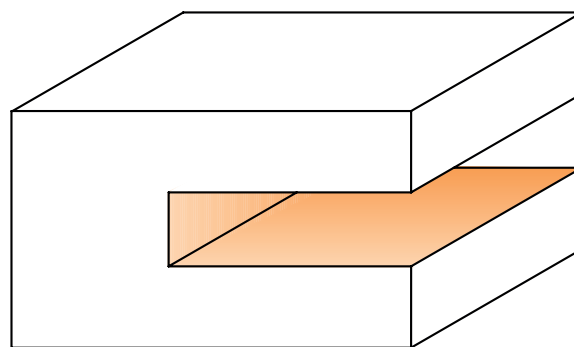
TECHNICAL DETAILS:

- Super-strength steel body.
- 2 HWM Knives 7,65x12x1,5mm [Z2].
- 4 HWM Knives 18x18x1,95mm [Z4].
- 4 HWM Knives 14x14x1,2mm [V4].
- Tools for manual feed (MAN).
- Pins for automatic positioning of the knives.

Supplied in a solid plastic box.



Drawing is 1:1 scale



D mm	B mm	Z+V	RPM	PACK QTY.	ORDER NO.	Spare parts			
140	30	4+4	5500~9500	1	694.001.30				
140	31,75	4+4	5500~9500	1	694.001.31	790.181.00	790.140.10	790.076.00	695.998.21
140	35	4+4	5500~9500	1	694.001.35	790.181.00	790.140.10	790.076.00	695.998.22
160	40	4+4	4800~8300	1	694.001.40	790.181.00	790.140.10	790.076.00	695.998.23
160	50	4+4	4800~8300	1	694.001.50	790.181.00	790.140.10	790.076.00	695.998.24N
						790.181.00	790.140.10	790.076.00	695.998.25N

Spare parts

For cutter heads (A)

- 990.079.00 M4x3,2mm Torx screws
- 991.069.00 T9 Torx key
- 695.996.02 M4 (Ø12x1,7mm) threaded ring
- 695.996.01 M4 (Ø10x1,6mm) threaded ring

For cutter heads (B)

- 695.999.07 7x11x9,5mm wedge for knives
- 990.063.00 M5x18mm screw
- 991.072.00 T20 Torx key

2 Piece Adjustable Grooving Sets



694.021 - 694.022



These cutter heads are the ideal tools to create precision slots and grooves on material from 14 to 39mm deep. These sets include:

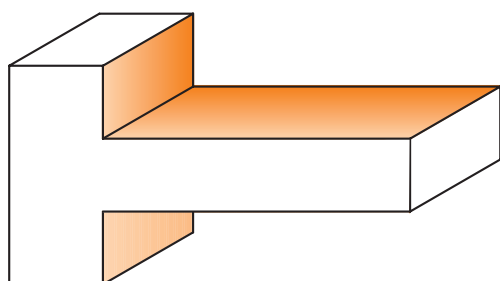
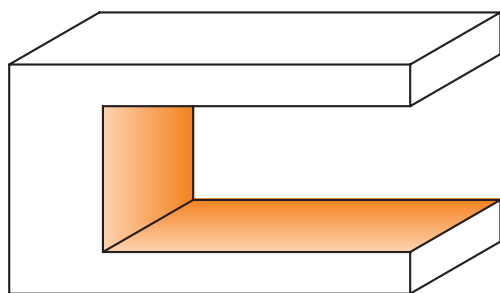
- 1 cutter head type (A) [Z2 + V2]
- 1 cutter head type (B) [Z2 + V2]
- spacer rings set

For use on spindle moulder machines, double-end tenoners and shaper machines. Perfect grooving on all materials, but ideal on solid wood, plywood and laminated panels.

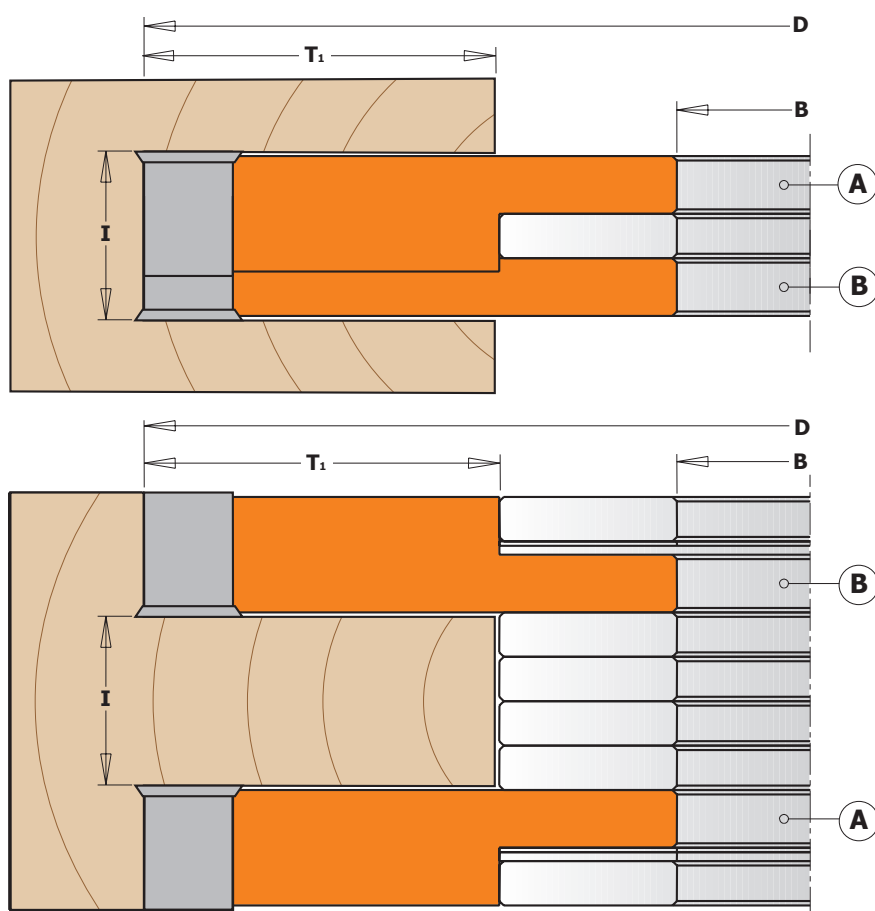
TECHNICAL DETAILS:

- Super-strength hard aluminium alloy body.
- 694.021: 8 HWM Knives 13,6x13,6x2mm.
- 694.022: 8 HWM Knives 19,5x12x1,5mm.
- 4 HWM Scoring knives 14x14x2mm.
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

Supplied in a solid plastic box.



Drawing is 1:1 scale



D mm	I mm	B mm	T ₁ mm	Z+V	RPM	PACK Qty.	ORDER NO.	Spare parts				
150	14-27	30	44	4+4	5000~8000	1	694.021.30	790.136.00	990.093.00			695.998.41
150	14-27	31,75	44	4+4	5000~8000	1	694.021.31	790.136.00	990.093.00			695.998.42
150	14-27	35	44	4+4	5000~8000	1	694.021.35	790.136.00	990.093.00			695.998.43
150	14-27	40	44	4+4	5000~8000	1	694.021.40	790.136.00	990.093.00			695.998.44
160	14-27	50	44	4+4	5000~8000	1	694.021.50	790.136.00	990.093.00			695.998.45
170	20-39	30	54	4+4	4400~7400	1	694.022.30	790.140.00	990.093.00	790.195.12	990.094.00	695.998.46
170	20-39	31,75	54	4+4	4400~7400	1	694.022.31	790.140.00	990.093.00	790.195.12	990.094.00	695.998.47
170	20-39	35	54	4+4	4400~7400	1	694.022.35	790.140.00	990.093.00	790.195.12	990.094.00	695.998.48
170	20-39	40	54	4+4	4400~7400	1	694.022.40	790.140.00	990.093.00	790.195.12	990.094.00	695.998.49
170	20-39	50	49	4+4	4400~7400	1	694.022.50	790.140.00	990.093.00	790.195.12	990.094.00	695.998.50

Spare parts
 991.072.00 T20 Torx key
 991.073.00 T25 Torx key



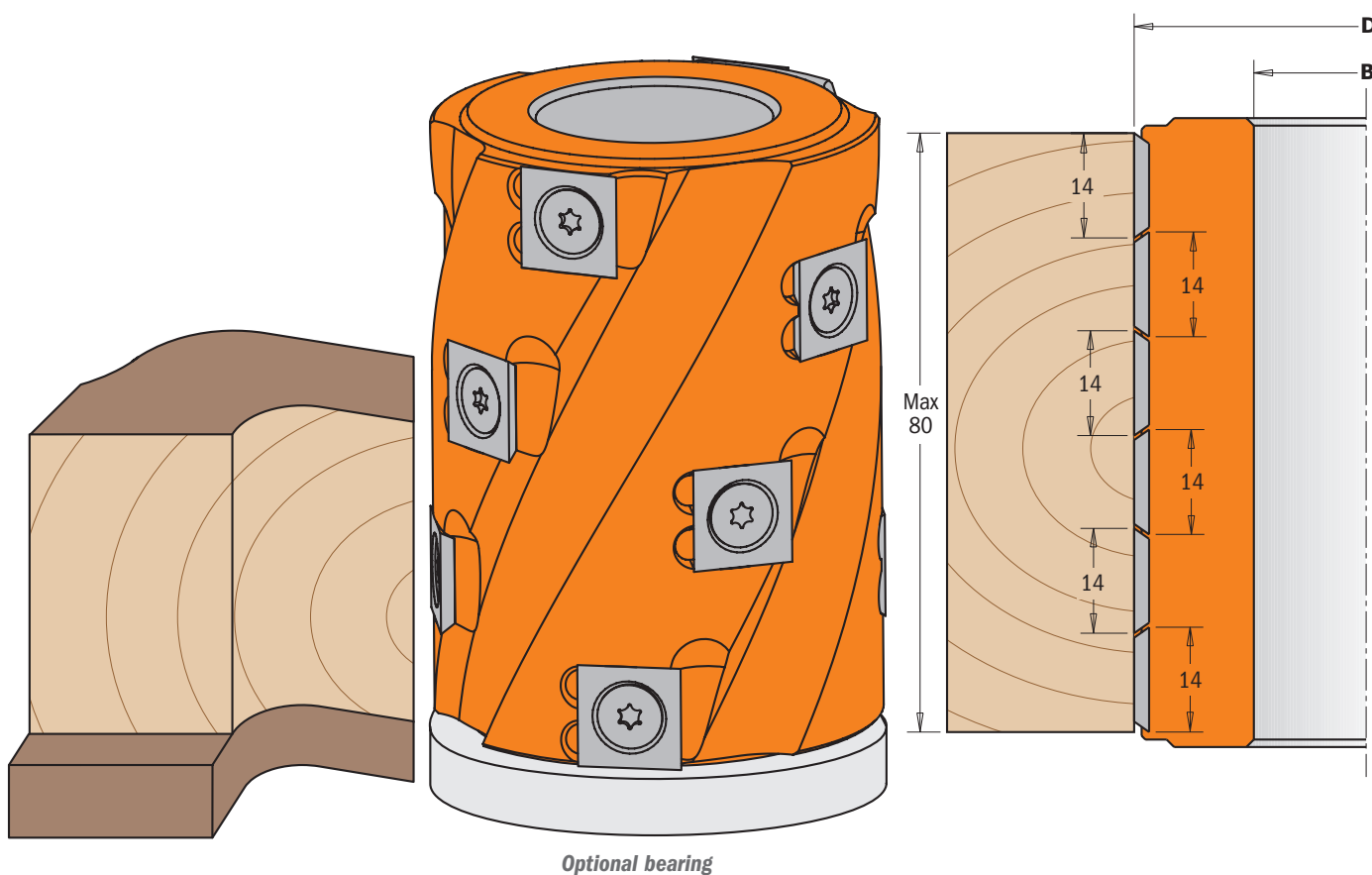
694.019

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

TECHNICAL DETAILS:

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

Supplied in a plastic twistpack.

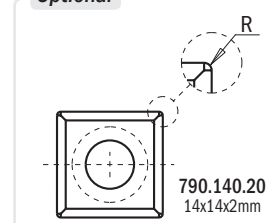


Optional bearing

Spare parts

791.051.00	790.093.00	991.073.00	
791.052.00	790.093.00	991.073.00	
791.054.00	790.093.00	991.073.00	
791.053.00	790.093.00	991.073.00	

Optional



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

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

NOTE: In order to achieve an extra-fine finish, you can order the optional knife 790.140.00

2 Piece Adjustable Rounding & Chamfering Sets



694.005



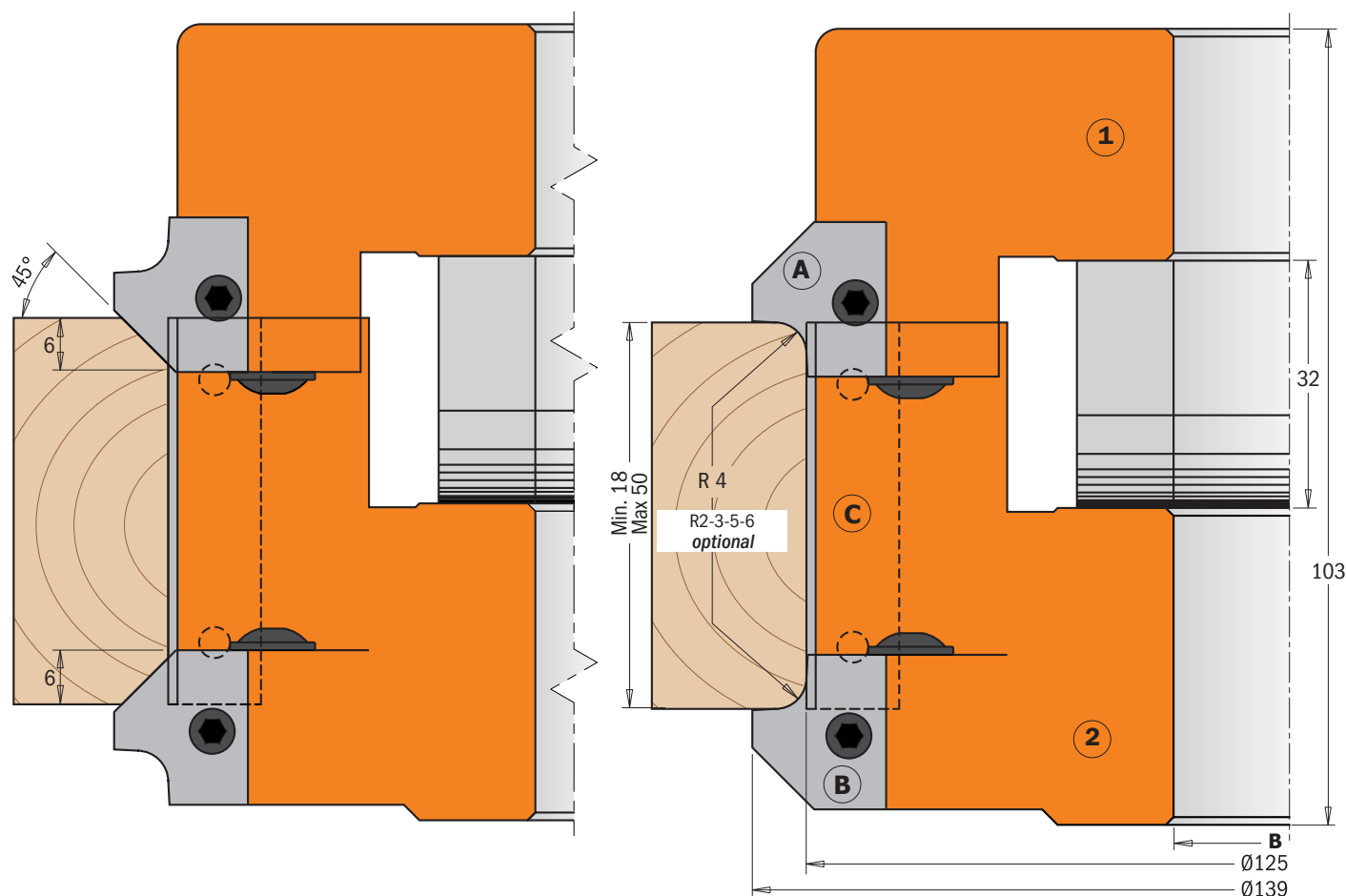
Innovative design, simple assembly and countless possibilities. The CMT adjustable rounding and chamfering sets consist of two pieces, which are very easy to set up on your spindle moulder machine, allowing you to profile on solid wood and synthetic boards (with or without coating). Includes five different knives for rounding over top and bottom edges in one single pass with a radius of 2,3,4,5 or 6mm and for 45° chamfering on material 18mm to 50mm in thickness.

The improved design with shear angle guarantees perfect finishing! For use on spindle moulder machines and double-end tenoners.

TECHNICAL DETAILS:

- Hard aluminium alloy body with high resistance to tensile and yield stress.
- One pair of HWM top knives radius 4mm and 45° chamfer (20x20,5x2mm) [Z2].
- One pair of HWM bottom knives radius 4mm and 45° chamfer (20x20,5x2mm) [Z2].
- Two HWM knives 50x12x1,5mm.
- Set of 21 spacer rings from 0,1 to 3mm.
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

Supplied in a solid plastic box.



D mm	B mm	Z	RPM	PACK QTY.	ORDER NO.	Spare parts			
139	30	2+2	5500~9400	1	694.005.30				
139	31,75	2+2	5500~9400	1	694.005.31	695.999.17	695.999.46	990.064.00	695.998.11
139	35	2+2	5500~9400	1	694.005.35	695.999.17	695.999.46	990.064.00	695.998.12
139	40	2+2	5500~9400	1	694.005.40	695.999.17	695.999.46	990.064.00	695.998.13
139	50	2+2	5500~9400	1	694.005.50	695.999.17	695.999.46	990.064.00	695.998.14
						695.999.17	695.999.46	990.064.00	695.998.15

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

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

45° Chamfer Cutter Heads



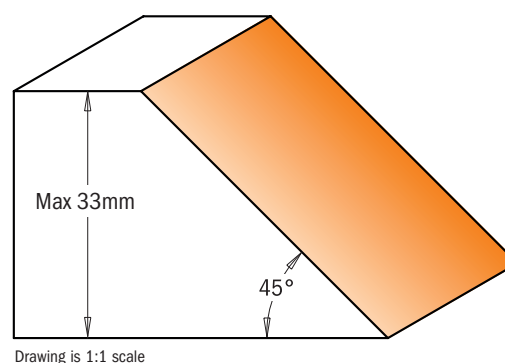
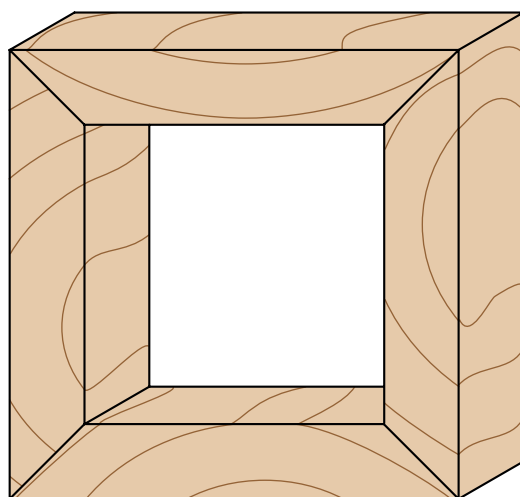
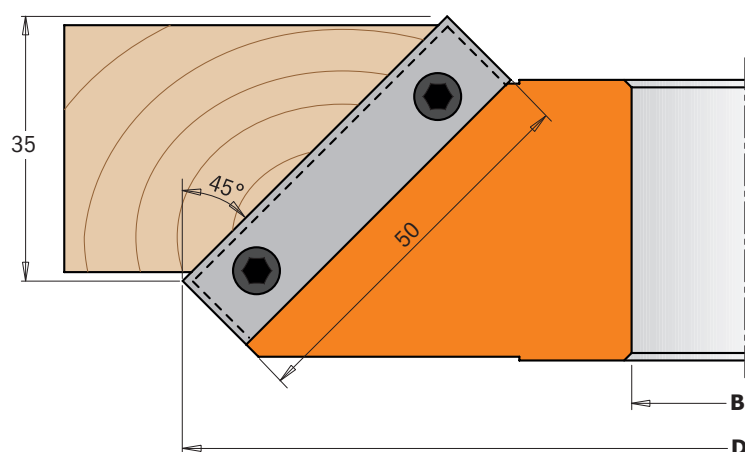
694.002

CMT chamfer cutter heads carry out clean accurate bevels and joints for excellent edge work. For use on spindle moulder machines, double-end tenoner and shaper machines. Suitable for all materials, but ideal on solid wood, veneer, plywood and laminated materials.

TECHNICAL DETAILS:

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

Supplied in a solid plastic box.



Drawing is 1:1 scale

D mm	B mm	Z	RPM	PACK QTY.	ORDER NO.	Spare parts			
150	30	2	5100~8800	1	694.002.30				
150	31,75	2	5100~8800	1	694.002.31	790.500.00	695.999.42	990.064.00	991.064.00
150	35	2	5100~8800	1	694.002.35	790.500.00	695.999.42	990.064.00	991.064.00
150	40	2	5100~8800	1	694.002.40	790.500.00	695.999.42	990.064.00	991.064.00
160	50	2	4800~8300	1	694.002.50	790.500.00	695.999.42	990.064.00	991.064.00

Adjustable Chamfer Cutter Heads with Positive Stop



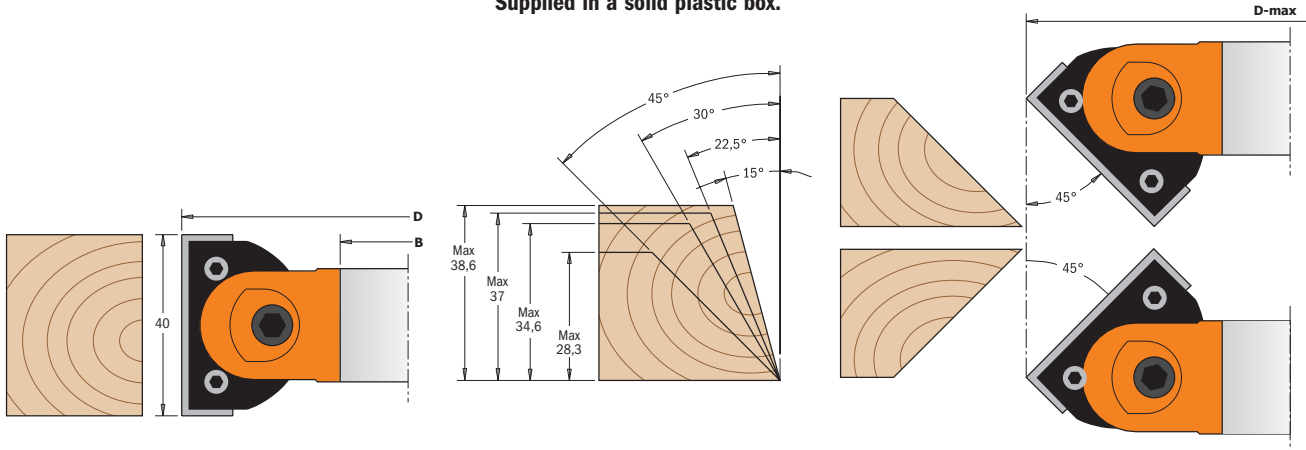
694.018

These new adjustable chamfer cutter heads carry out precise cuts, accurate bevels and joints on wooden boards and solid timber. For use on spindle moulder machines, double-end tenoner and shaper machines.

TECHNICAL DETAILS:

- Hard aluminium alloy body with high resistance to tensile and yield stress.
- 2 HWM Knives 40x12x1,5mm [Z2].
- Tools for manual feed (MAN).
- Positive lock hold of HWM knives, swivel bodies infinitely adjustable on both sides from 0 to 45°, with positive stop every 7.5 degrees thanks to the special built-in geared mechanism.

Supplied in a solid plastic box.



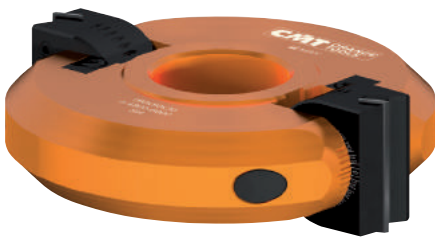
D mm	I mm	B mm	Z	D_Max 45° mm	RPM	PACK QTY.	ORDER NO.
120	40	30	2	140	7000~9000	1	694.018.30
120	40	35	2	140	7000~9000	1	694.018.35
145	40	40	2	165	4800~7200	1	694.018.40
145	40	50	2	165	4800~7200	1	694.018.50

Spare parts

695.018.01	790.400.00	990.094.00	991.072.00
695.018.01	790.400.00	990.094.00	991.072.00
695.018.01	790.400.00	990.094.00	991.072.00
695.018.01	790.400.00	990.094.00	991.072.00

Spare parts 991.065.00 5mm hex key

Professional Adjustable Chamfer Cutter Heads with Gear Box



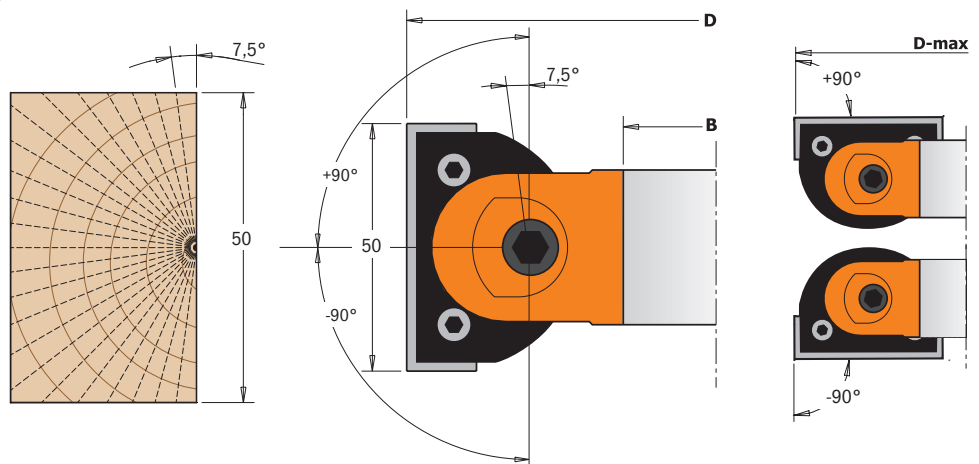
694.017

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

TECHNICAL DETAILS:

- Hard aluminium alloy body with high resistance to tensile and yield stress.
- 2 HWM knives (50x12x1,5mm) [Z2].
- Tools for manual feed (MAN).
- Positive lock hold of HWM knives.
- Swivel bodies infinitely adjustable on both sides from +90° to -90°, thanks to the special built-in geared mechanism.

Supplied in a solid plastic box.



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

Spare parts

695.017.01	790.500.00	695.999.48	990.106.00
695.017.01	790.500.00	695.999.48	990.106.00
695.017.01	790.500.00	695.999.48	990.106.00

Spare parts 991.081.00 4mm hex key



694.003

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

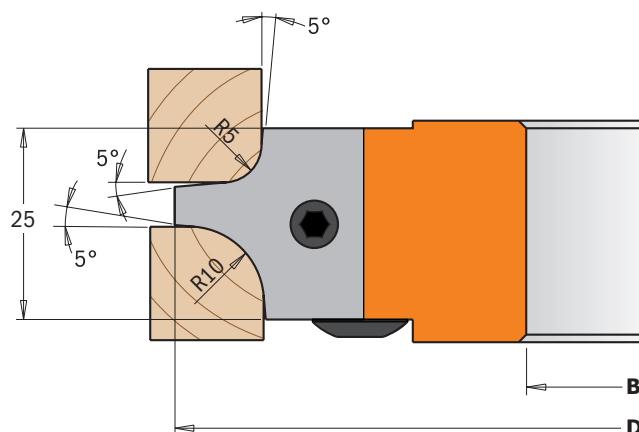
TECHNICAL DETAILS:

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

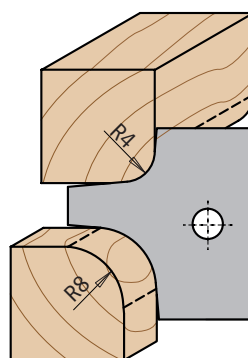
Supplied in a solid plastic box.

Standard

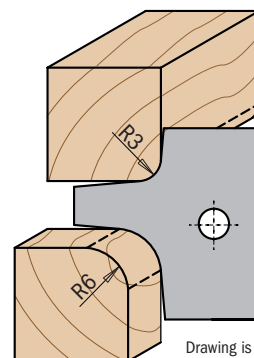
Pair of knives **695.003.05**



Optional



Pair of knives
695.003.04



Pair of knives
695.003.03

Drawing is 1:1 scale

D mm	B mm	Z	RPM	PACK QTY.	ORDER NO.	Spare parts			
113	30	2	6700~11000	1	694.003.30	x2			
113	31,75	2	6700~11000	1	694.003.31	695.003.05	695.999.22	990.064.00	991.064.00
113	35	2	6700~11000	1	694.003.35	695.003.05	695.999.22	990.064.00	991.064.00
128	40	2	5900~9700	1	694.003.40	695.003.05	695.999.22	990.064.00	991.064.00
128	50	2	5900~9700	1	694.003.50	695.003.05	695.999.22	990.064.00	991.064.00

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



694.004

Innovative cutter heads supporting two different knives for making four radius roundover profiles. Standard cutter heads are sold with knives featuring radii 15 and 20mm; one more knife set is available for radii 12-18mm. For use on spindle moulder machines, double-end tenorer and shaper machines. Suitable for all materials, but ideal on solid wood and panel materials.

TECHNICAL DETAILS:

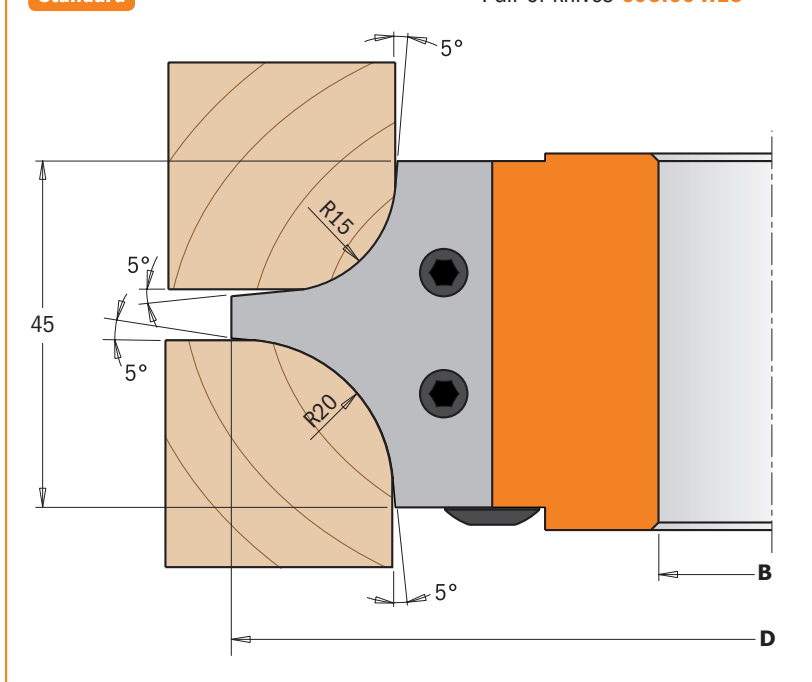
- Hard aluminium alloy body with high resistance to tensile and yield stress.
- 2 HWM knives radius 15/20mm (45x34,5x2mm) [Z2].
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

Supplied in a solid plastic box.

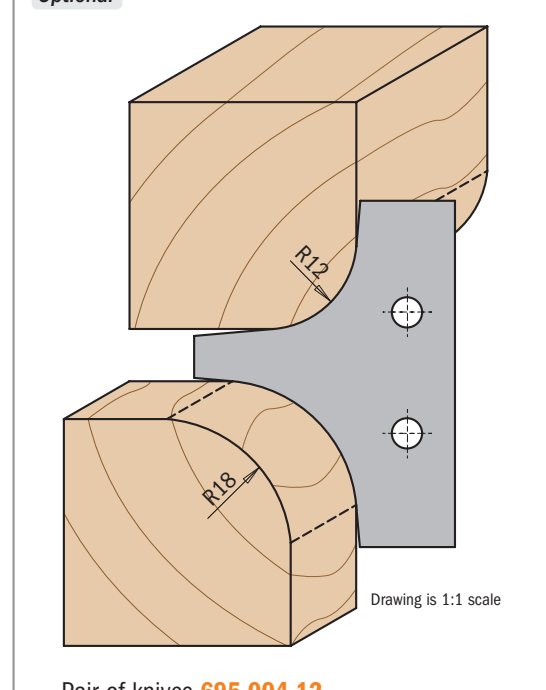


Standard

Pair of knives **695.004.15**



Optional



Pair of knives **695.004.12**

D mm	B mm	Z	RPM	PACK QTY.	ORDER NO.
132	30	2	5700~9500	1	694.004.30
132	31,75	2	5700~9500	1	694.004.31
132	35	2	5700~9500	1	694.004.35
147	40	2	5100~8500	1	694.004.40
147	50	2	5100~8500	1	694.004.50

Spare parts

 x2			
695.004.15	695.999.42	990.064.00	991.064.00
695.004.15	695.999.42	990.064.00	991.064.00
695.004.15	695.999.42	990.064.00	991.064.00
695.004.15	695.999.42	990.064.00	991.064.00
695.004.15	695.999.42	990.064.00	991.064.00

Optional 695.004.12 R=12/18mm (45x34,5x2mm) pair of profiled knives



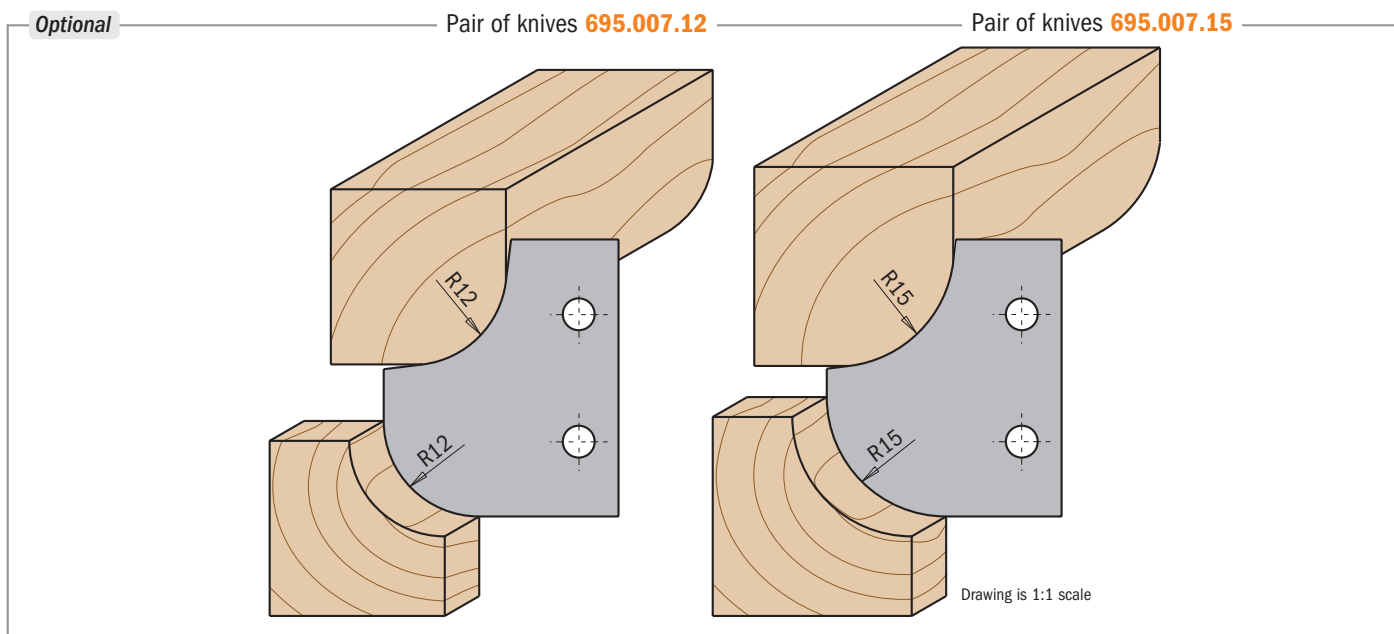
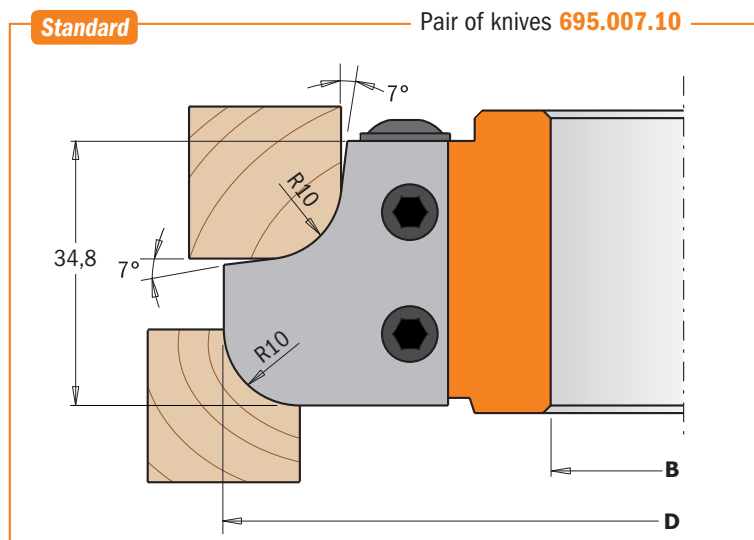
694.007

These cutter heads are perfect for making furniture, doors and drawer fronts simply and stylishly by giving them a final touch with a CMT cove bit. It is also used for making perfect roundover profiles, drop leaf counters and table tops. You can use three different knives for carrying out roundover and cove profiles with radius 10, 12 and 15mm. For use on spindle moulder machines, double-end tenoner and shaper machines. Suitable for all materials, but ideal on solid wood and panel materials.

TECHNICAL DETAILS:

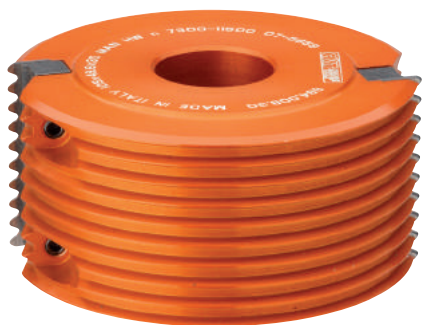
- Hard aluminium alloy body with high resistance to tensile and yield stress.
- 2 HWM knives radius 10mm (34,8x29,3x2mm) [Z2].
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

Supplied in a solid plastic box.



D mm	B mm	Z	RPM	PACK Qty.	ORDER NO.	Spare parts			
121	30	2	6300~10500	1	694.007.30	 x2			
121	31,75	2	6300~10500	1	694.007.31	695.007.10	695.999.31	990.064.00	991.064.00
121	35	2	6300~10500	1	694.007.35	695.007.10	695.999.31	990.064.00	991.064.00
136	40	2	5600~9300	1	694.007.40	695.007.10	695.999.31	990.064.00	991.064.00
136	50	2	5600~9300	1	694.007.50	695.007.10	695.999.31	990.064.00	991.064.00

Optional
 695.007.12 R=12mm (34,8x29,3x2mm) pair of roundover/cove knives
 695.007.15 R=15mm (34,8x29,3x2mm) pair of roundover/cove knives



694.008

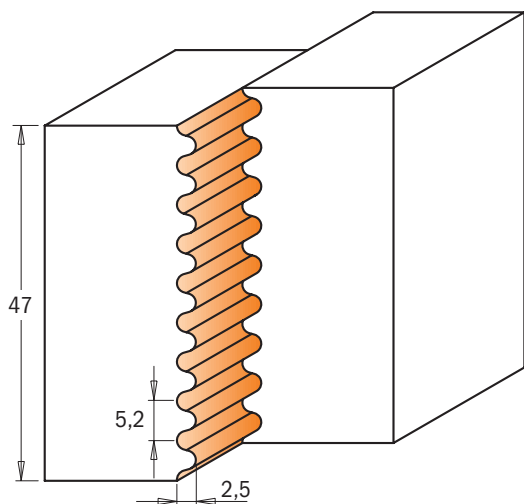
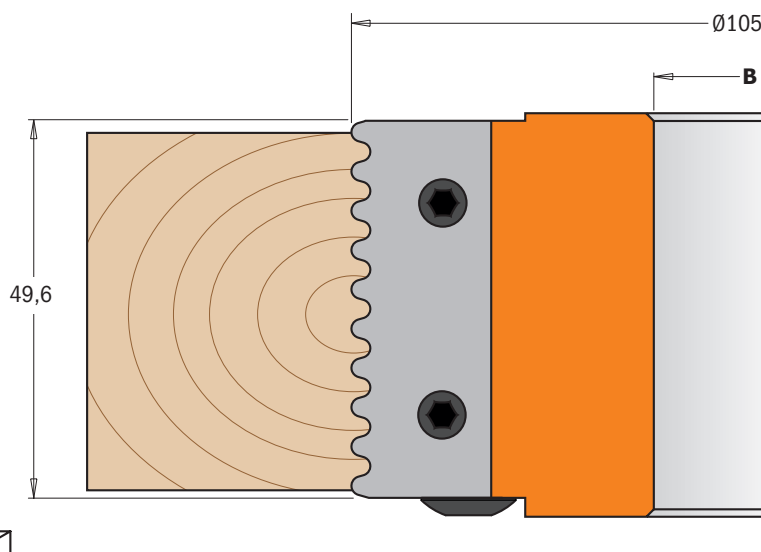


The CMT professional finger joint cutter head makes the strongest side-to-side joints on all wood types and composites. The tightness of the joint and the maximum surface area for glue application ensure that the joint itself is stronger than an unworked piece of wood. Maximum thickness 47mm. For use on spindle moulder machines, double-end tenoner and shaper machines. Suitable for all materials, but ideal on solid wood and panel materials.

TECHNICAL DETAILS:

- Hard aluminium alloy body with high resistance to tensile and yield stress.
- 2 HWM knives 49,6x11,9x1,5mm [Z2].
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

Supplied in a solid plastic box.



Drawing is 1:1 scale

D mm	B mm	Z	RPM	PACK QTY.	ORDER NO.	Spare parts			
105	30	2	7300~11500	1	694.008.30	 x2			
105	31,75	2	7300~11500	1	694.008.31	695.008.01	695.999.49	990.066.00	991.067.00
105	35	2	7300~11500	1	694.008.35	695.008.01	695.999.49	990.066.00	991.067.00
105	40	2	7300~11500	1	694.008.40	695.008.01	695.999.49	990.066.00	991.067.00
105	50	2	7300~11500	1	694.008.50	695.008.01	695.999.49	990.066.00	991.067.00

Optional	695.998.2630	Ø50x2,6x30mm guide ring
	695.998.2631	Ø50x2,6x31,75mm guide ring
	695.998.2635	Ø55x2,6x35mm guide ring
	695.998.2640	Ø60x2,6x40mm guide ring
	695.998.2650	Ø70x2,6x50mm guide ring



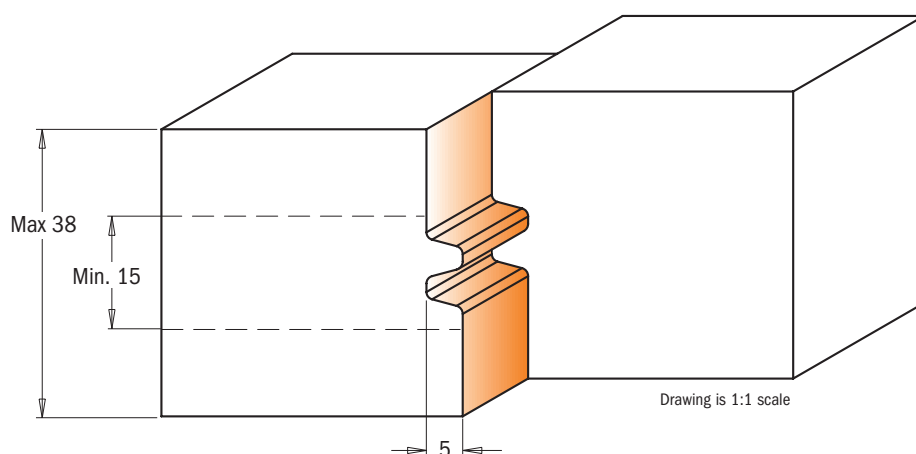
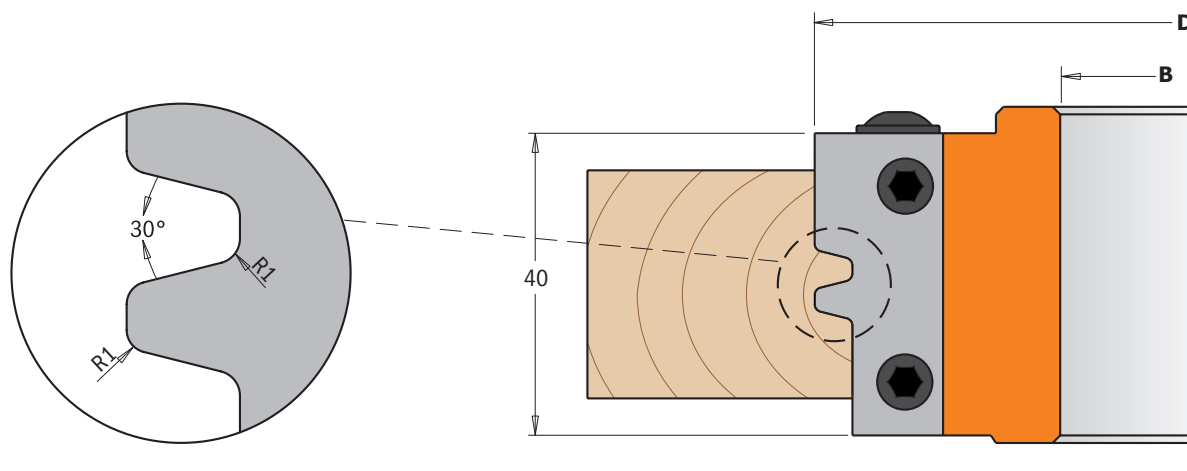
694.009

One of the unique characteristics of this particular CMT cutter head is its capacity to craft indestructible glue joints both quickly and accurately. Ideal for shaping panels, doors and furniture pieces of wide proportion. Simply run one side of the panel, turn the panel over, and then run the opposite side. The result? Perfectly harmonized reverse cuts which match up to produce a flawless joint. Excellent for most materials, but ideal on solid wood, coated and uncoated man-made materials.

TECHNICAL DETAILS:

- Hard aluminium alloy body with high resistance to tensile and yield stress.
- 2 HWM knives 40x18x2mm [Z2].
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

Supplied in a solid plastic box.



D mm	B mm	Z	RPM	PACK QTY.	ORDER NO.	Spare parts			
100	30	2	7500~12500	1	694.009.30	x2			
100	31,75	2	7500~12500	1	694.009.31	695.009.01	695.999.38	990.064.00	991.064.00
100	35	2	7500~12500	1	694.009.35	695.009.01	695.999.38	990.064.00	991.064.00
120	40	2	6400~10500	1	694.009.40	695.009.01	695.999.38	990.064.00	991.064.00
120	50	2	6400~10500	1	694.009.50	695.009.01	695.999.38	990.064.00	991.064.00



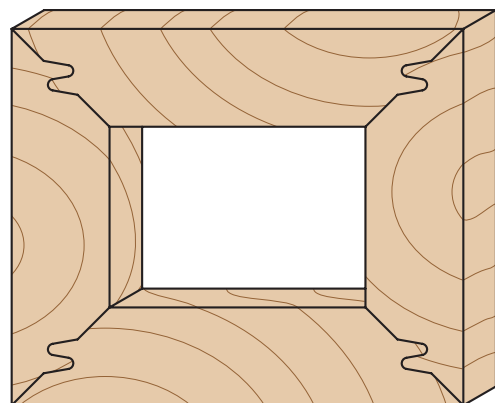
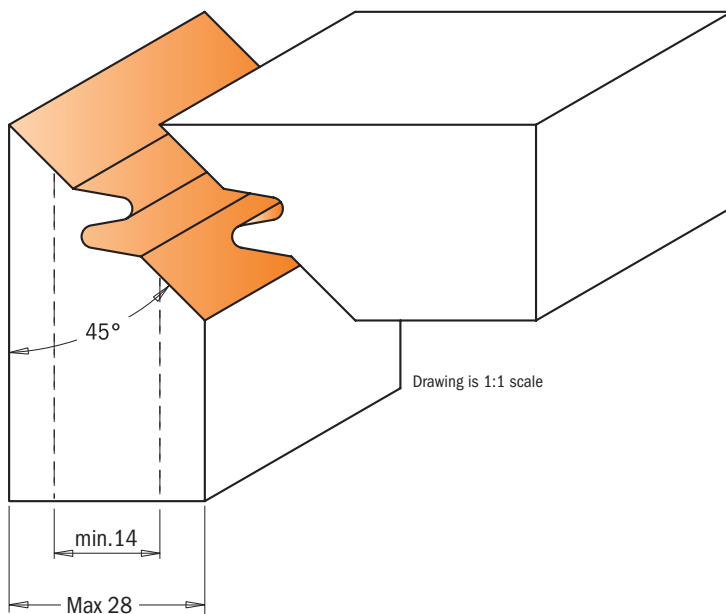
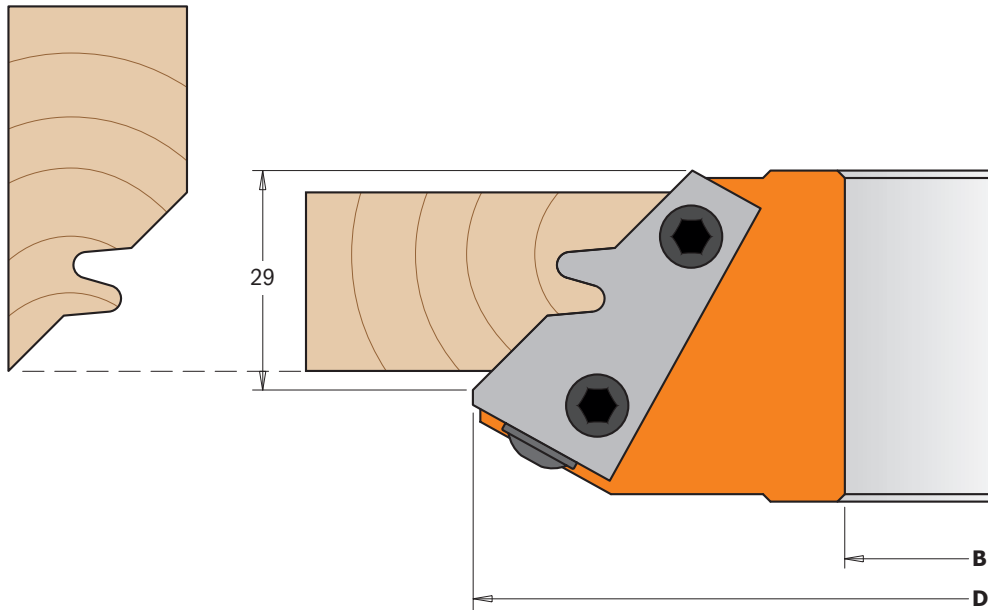
694.011

CMT's lock miter cutter heads are ideal for milling miter joints in stock with maximum 28mm in thickness. Create boxes, stretcher bars, frames and any assortment of right angle or parallel joint projects. Two easy steps to produce perfect fitting 45° miter joints: first, position your workpiece horizontally, then vertically. Also, create parallel glue joints in two steps: place your workpiece horizontally, internal side facing down, and then turn it facing up. For use on spindle moulder and shaper machines. Perfect on all materials, but ideal on solid wood and panels.

TECHNICAL DETAILS:

- Hard aluminium alloy body with high resistance to tensile and yield stress.
- 2 HWM knives 43x23x2mm [Z2].
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

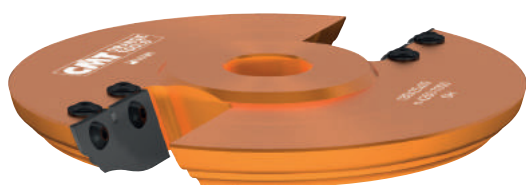
Supplied in a solid plastic box.



D mm	B mm	Z	RPM	PACK Qty.	ORDER NO.
140	30	2	5500~9500	1	694.011.30
140	31,75	2	5500~9500	1	694.011.31
140	35	2	5500~9500	1	694.011.35
140	40	2	5500~9500	1	694.011.40
150	50	2	5100~8800	1	694.011.50

Spare parts

 x2			
695.011.01	695.999.42	990.064.00	991.064.00
695.011.01	695.999.42	990.064.00	991.064.00
695.011.01	695.999.42	990.064.00	991.064.00
695.011.01	695.999.42	990.064.00	991.064.00
695.011.01	695.999.42	990.064.00	991.064.00



694.012

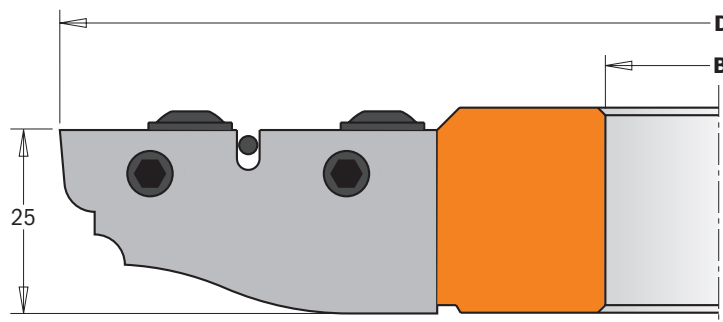
These new CMT cutter heads will allow you to make classic raised panels on furniture, interior and cabinet doors. An exceptional tool that makes up to six different profiles using the optional knives included.

A practical and economical solution. We recommend multiple passes for safe and accurate finishing. For use on spindle moulders. Perfect for all materials, but ideal on solid wood and panels.

Supplied in a solid plastic box.

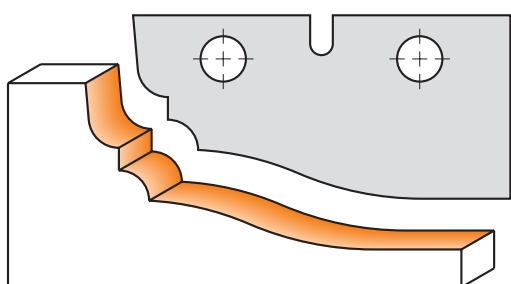
TECHNICAL DETAILS:

- Hard aluminium alloy body with high resistance to tensile and yield stress.
- 2 HWM Knives type (A) 50x25x2mm [Z2].
- Tools for manual feed (MAN)
- Pins for the automatic positioning of the knives.



Standard

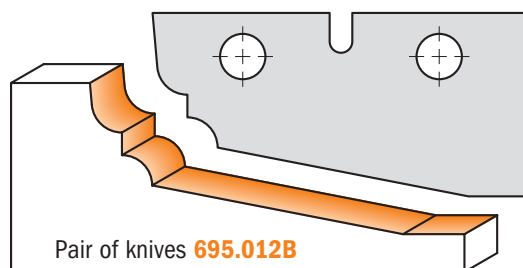
Pair of knives **695.012A**



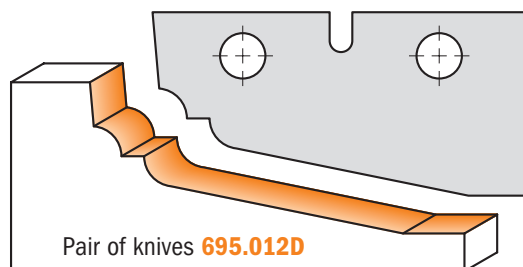
Drawing is 1:1 scale

Optional

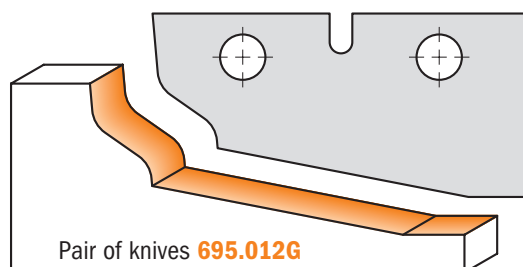
Pair of knives **695.012B**



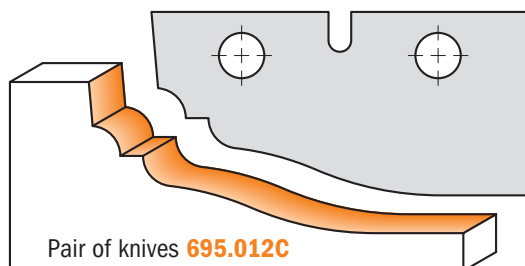
Pair of knives **695.012D**



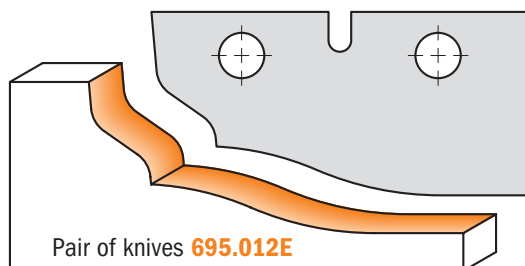
Pair of knives **695.012G**



Pair of knives **695.012C**



Pair of knives **695.012E**



Spare parts



D mm	I mm	B mm	Z	RPM	PACK QTY.	ORDER NO.			
180	25	30	2	4200~7000	1	694.012.30	695.012A	990.107.00	991.067.00
180	25	35	2	4200~7000	1	694.012.35	695.012A	990.107.00	991.067.00
180	25	40	2	4200~7000	1	694.012.40	695.012A	990.107.00	991.067.00
180	25	50	2	4200~7000	1	694.012.50	695.012A	990.107.00	991.067.00

Optional

695.012B 50x25x2mm pair of knives type (B)
695.012C 50x25x2mm pair of knives type (C)
695.012D 50x25x2mm pair of knives type (D)

695.012E 50x25x2mm pair of knives type (E)
695.012G 50x25x2mm pair of knives type (G)



694.013

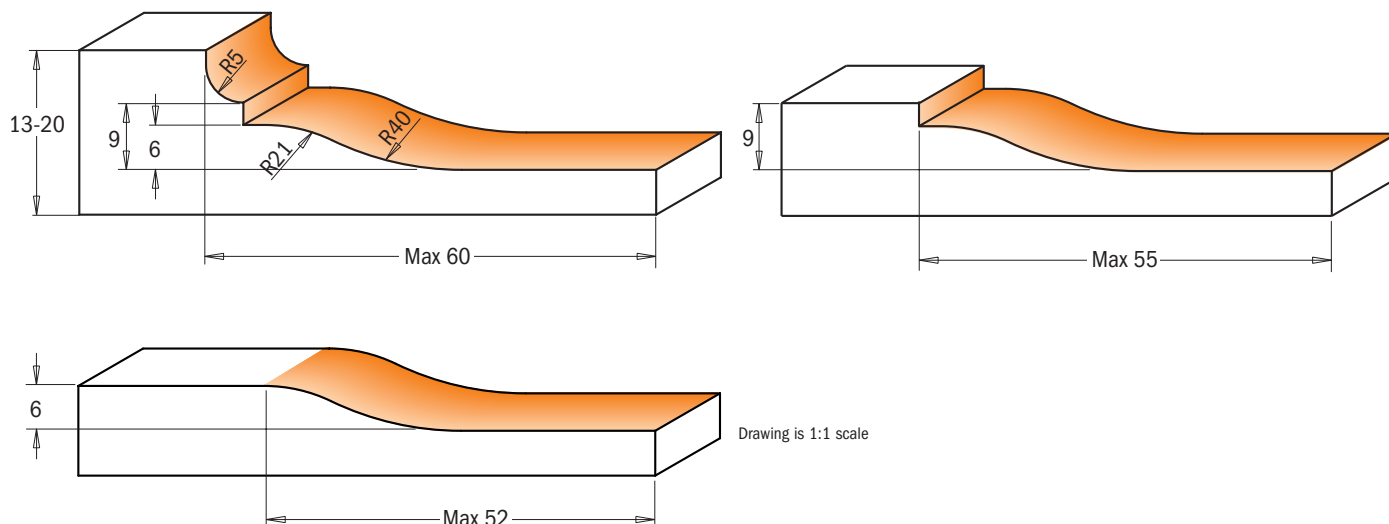
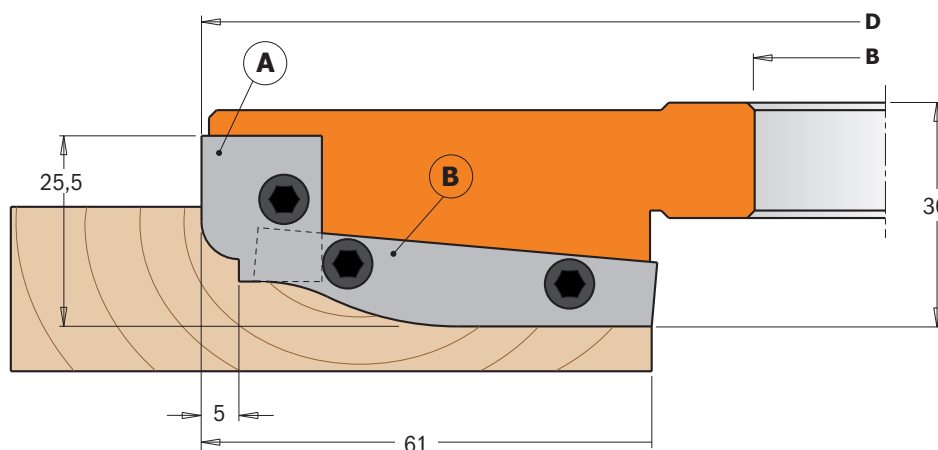


We offer a traditional approach to panel construction with these CMT raised panel cutter heads. Make classic raised panels on furniture, interior and cabinet doors on solid wood and wooden boards, and achieve three different profiles by adjusting the cutting depth. We recommend multiple passes for safe and accurate finishing. For use on spindle moulders. Perfect for all materials, but ideal on solid wood and panels.

TECHNICAL DETAILS:

- Hard aluminium alloy body with high resistance to tensile and yield stress.
- 2 HWM Knives type (A) 19,8x11,9x1,5mm [Z2].
- 2 HWM Knives type (B) 60x11,9x1,5mm [Z2].
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

Supplied in a solid plastic box.



Drawing is 1:1 scale

D mm	B mm	Z	RPM	PACK QTY.	ORDER NO.	Spare parts				
						x2	16x11x9,5mm	x2	53x11x9,5mm	
183	30	2+2	4100~7000	1	694.013.30	695.013.A1	695.999.16	695.013.A2	695.999.53	990.066.00
183	31,75	2+2	4100~7000	1	694.013.31	695.013.A1	695.999.16	695.013.A2	695.999.53	990.066.00
183	35	2+2	4100~7000	1	694.013.35	695.013.A1	695.999.16	695.013.A2	695.999.53	990.066.00
200	40	2+2	3800~6400	1	694.013.40	695.013.A1	695.999.16	695.013.A2	695.999.53	990.066.00
200	50	2+2	3800~6400	1	694.013.50	695.013.A1	695.999.16	695.013.A2	695.999.53	990.066.00

Spare parts 991.083.00 3x90x135mm hex key



694.015

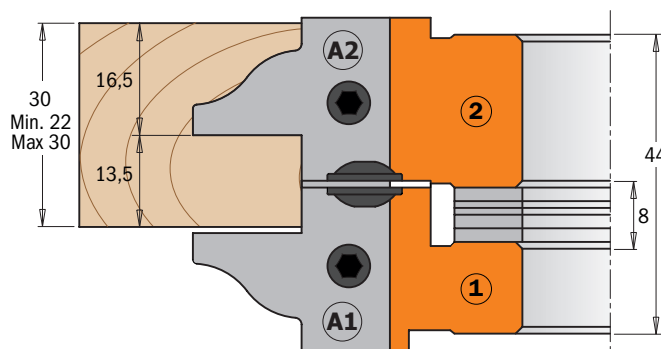
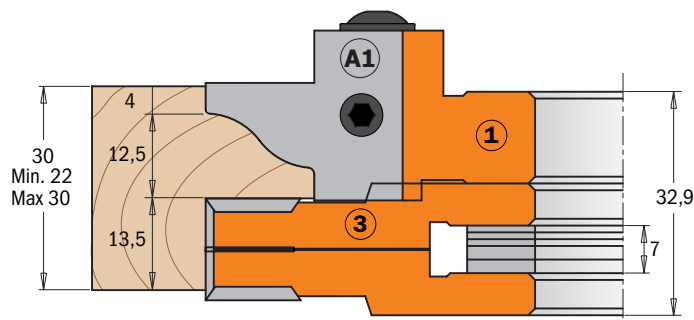
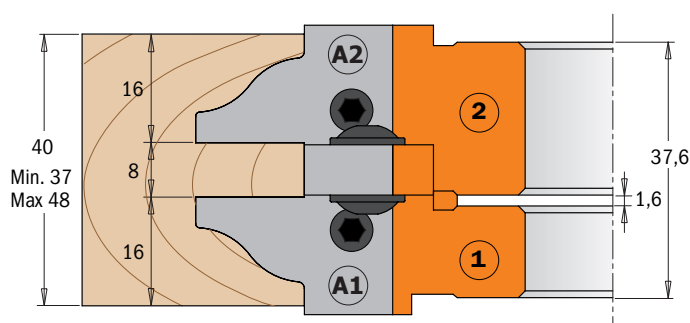
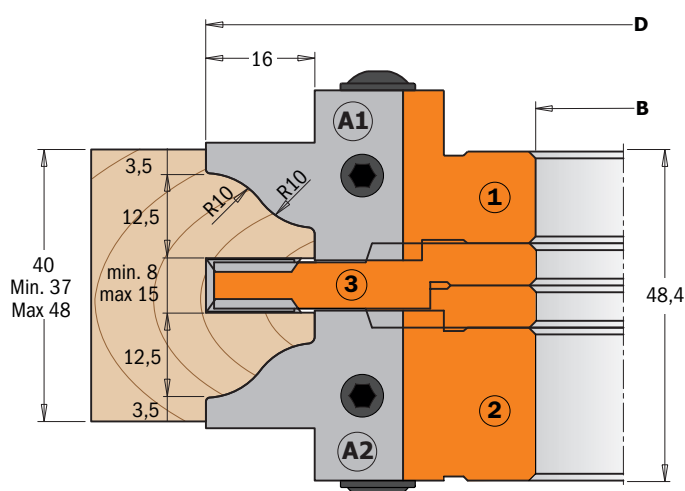
These versatile sets were designed to make furniture and doors on soft and hardwood. It allows the insertion of five different knives to produce the most popular and classical profiles. The adjustable cutter, included in the set, can also be used individually to carry out grooves between 8mm 15mm thick. For use on spindle moulders. Perfect on solid wood and panels maximum 48mm (1-7/8") in thickness.



TECHNICAL DETAILS:

- Hard aluminium alloy body with high resistance to tensile and yield stress for cutter heads (1 & 2).
- Super-strength steel body for cutter head (3).
- 2 HWM knives type (A1) 25x29,8x2mm [Z2].
- 2 HWM knives type (A2) 25x29,8x2mm [Z2].
- 4 HWM knives 7,65x12x1,5mm [Z4].
- 4 HWM knives 14x14x2mm for heads type (1 & 2).
- 12 spacer rings from 0,1 to 3mm for heads type (1 & 2).
- 12 spacer rings from 0,1 to 2mm for heads type (3).
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

Supplied in a solid plastic box.



D mm	B mm	Z+V	RPM	PACK QTY.	ORDER NO.
132	30	2+4	5700~9500	1	694.015.30
132	31,75	2+4	5700~9500	1	694.015.31
132	35	2+4	5700~9500	1	694.015.35
147	40	2+4	5100~8500	1	694.015.40
147	50	2+4	5100~8500	1	694.015.50

Spare parts

9	10,6	10,6
695.998.01	695.998.21	695.998.30
695.998.02	695.998.22	695.998.31
695.998.03	695.998.23	695.998.35
695.998.04	695.998.24N	695.998.40
695.998.05	695.998.25N	

Spare parts

Head type (1)

695.015.A1	25x29,8x2mm HWM pair of knives (A1)
695.015.B1	25x29,8x2mm HWM pair of knives (B1)
695.015.C1	25x29,8x2mm HWM pair of knives (C1)
695.015.D1	25x29,8x2mm HWM pair of knives (D1)
695.015.E1	25x29,8x2mm HWM pair of knives (E1)
695.999.23	23x11x9,5mm wedge for knives
990.066.00	M6x16mm screw
991.067.00	3mm hex key

Head type (2)

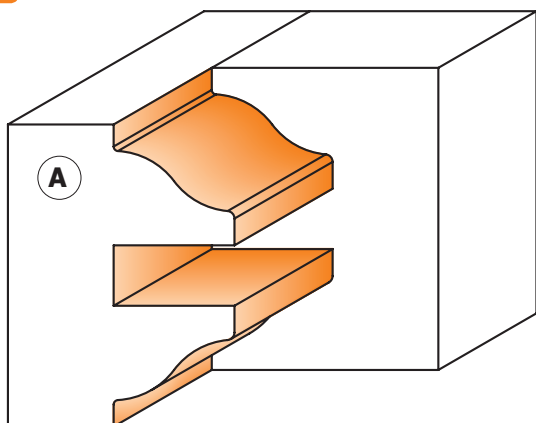
695.015.A2	25x29,8x2mm HWM pair of knives (A2)
695.015.B2	25x29,8x2mm HWM pair of knives (B2)
695.015.C2	25x29,8x2mm HWM pair of knives (C2)
695.015.D2	25x29,8x2mm HWM pair of knives (D2)
695.015.E2	25x29,8x2mm HWM pair of knives (E2)
695.999.24	23x11x9,5mm wedge for knives
990.066.00	M6x16mm screws
991.067.00	3mm hex key

Head type (3)

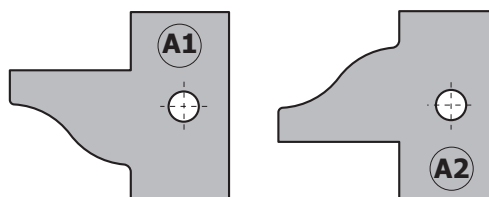
790.076.00	7,65x12x1,5mm HWM knives
695.999.07	6,8x11x9,5mm wedge for knives
990.063.00	M5x18mm screw
991.072.00	T20 hex key
790.140.00	14x14x2mm HWM Knives
990.080.00	M5x6,5mm screw
991.073.00	T25 hex key

Standard

Pair of knives **695.015.A1** - Pair of knives **695.015.A2**

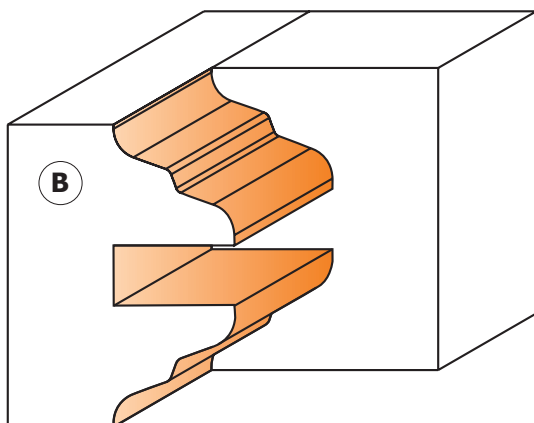
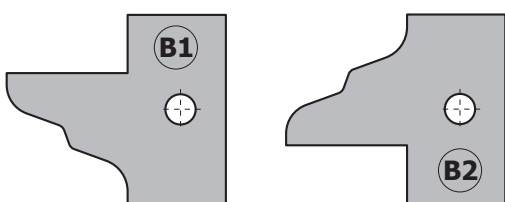


Drawing is 1:1 scale

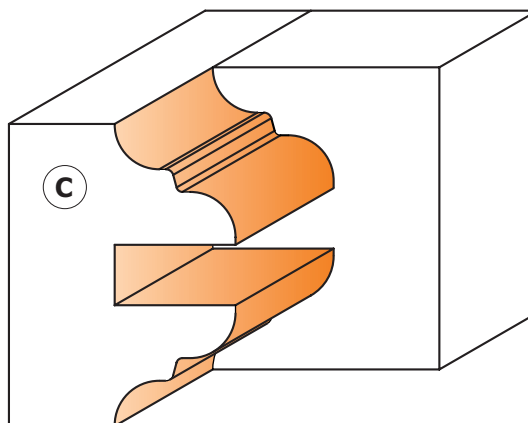
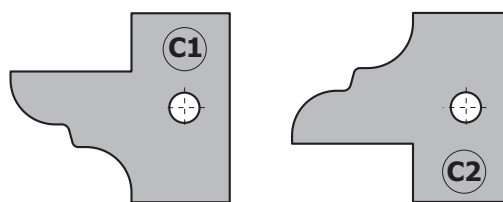


Optional

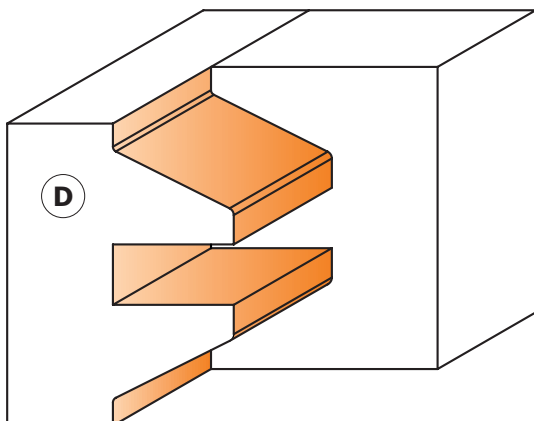
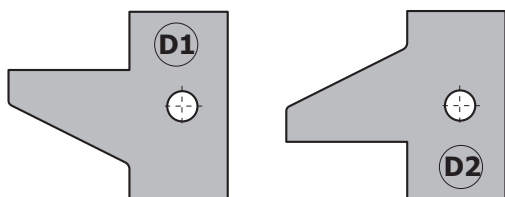
Pair of knives **695.015.B1**
Pair of knives **695.015.B2**



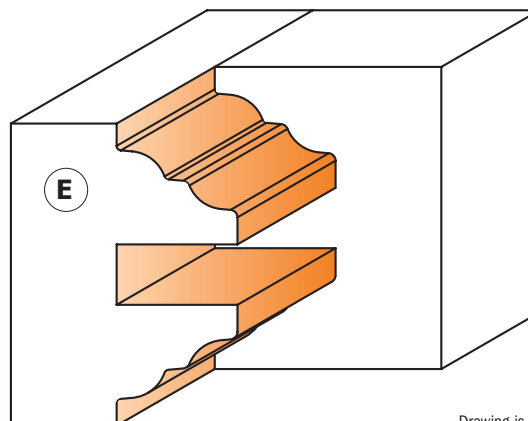
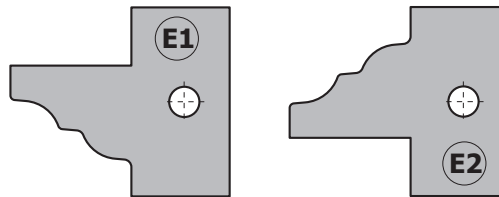
Pair of knives **695.015.C1**
Pair of knives **695.015.C2**



Pair of knives **695.015.D1**
Pair of knives **695.015.D2**



Pair of knives **695.015.E1**
Pair of knives **695.015.E2**



Drawing is 1:1 scale

1 Piece Rail & Stile Cutter Heads



694.014

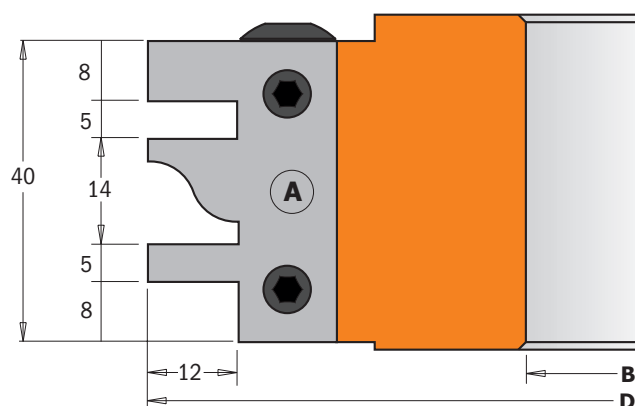
These are unique products made by combining two cutter heads, ideal for making furniture doors and drawers. By adjusting the height of the of the cutter head, you can cut two perfectly fitted profiles without wasting time or effort on the fence or replacing the tool. Improve your efficiency and save money only having to purchase one single cutter head!!! For use on spindle moulers. Perfect on hardwood and panels between 22mm-25mm in thickness.

TECHNICAL DETAILS:

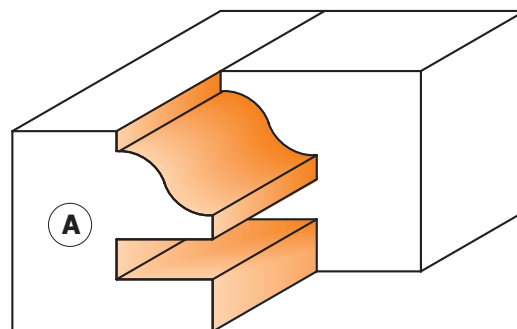
- Hard aluminium alloy body with high resistance to tensile and yield stress.
- 2 HWM Knives type (A) 40x24,5x2mm [Z2].
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.

Supplied in a solid plastic box.

Standard



Pair of knives 695.014A

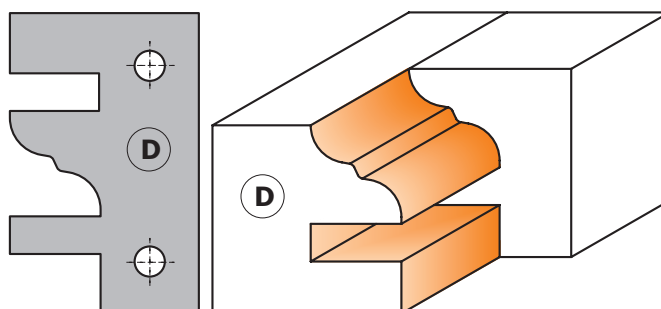
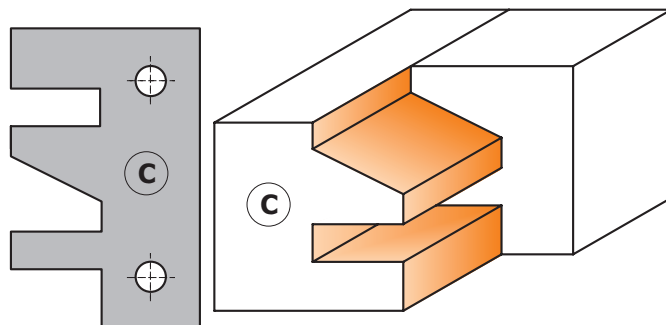
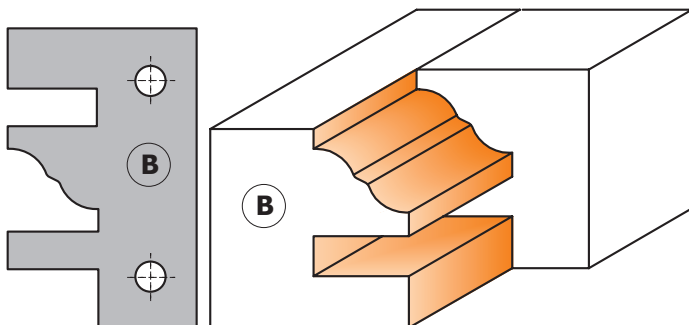


Drawing is 1:1 scale

Optional

Pair of knives 695.014B

Pair of knives 695.014C



Drawing is 1:1 scale

Pair of knives 695.014D

D mm	B mm	Z	RPM	PACK Qty.	ORDER NO.	Spare parts			
120	30	2	6400~10500	1	694.014.30	 x2			
120	31,75	2	6400~10500	1	694.014.31	695.014A	695.999.39	990.066.00	991.067.00
120	35	2	6400~10500	1	694.014.35	695.014A	695.999.39	990.066.00	991.067.00
120	40	2	6400~10500	1	694.014.40	695.014A	695.999.39	990.066.00	991.067.00
130	50	2	5900~9700	1	694.014.50	695.014A	695.999.39	990.066.00	991.067.00

Optional	695.014B	40x24,5x2mm pair of knives type (B)
	695.014C	40x24,5x2mm pair of knives type (C)
	695.014D	40x24,5x2mm pair of knives type (D)

Cutter Heads without Limiters



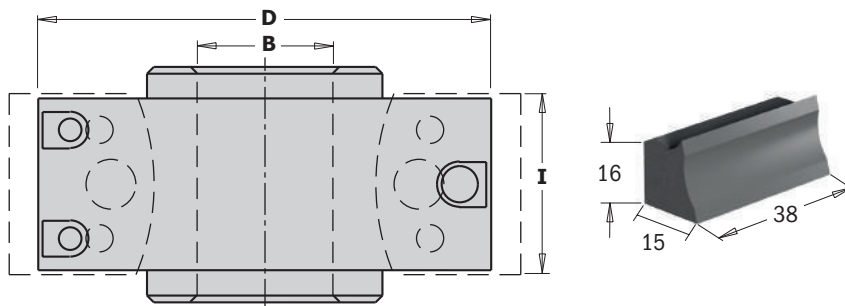
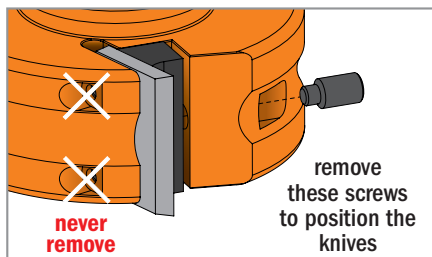
692

CMT cutter heads guarantee excellent performance for all your projects. For use on all types of moulder and spindle moulder machines.

TECHNICAL DETAILS:

- Hard aluminium or steel alloy cutter head without limiters, highly resistant to tensile and yield stress.
- Pair of universal straight knives included.
- Tools for mechanical feed (MEC).
- Pins for the automatic positioning of the knives.
- Possibility to use knives with a height of 40mm or 50mm (order no. 690).

Supplied in a solid plastic box to contain up to 12 couples of knives.



D mm	I mm	B mm	RPM	PACK QTY.	ORDER NO. Steel body	ORDER NO. Aluminium body	Spare parts		
78	40	19,05	7000~9000	1		692.078.19*			
78	40	30	7000~9000	1		692.078.30*	692.999.01	990.064.00	991.064.00
100	40-50	25,4	5500~8400	1		692.100.26	692.999.01	990.064.00	991.064.00
100	40-50	30	5500~8400	1	692.101.30	692.100.30	692.999.01	990.064.00	991.064.00
100	40-50	31,75	5500~8400	1		692.100.31	692.999.01	990.064.00	991.064.00
100	40-50	35	5500~8400	1	692.101.35	692.100.35	692.999.01	990.064.00	991.064.00
120	40-50	50	4800~7400	1	692.121.50	692.120.50	692.999.01	990.064.00	991.064.00

*For safety reasons we recommend the use of knives with a 40mm height only.

Cutter Heads with Limiters



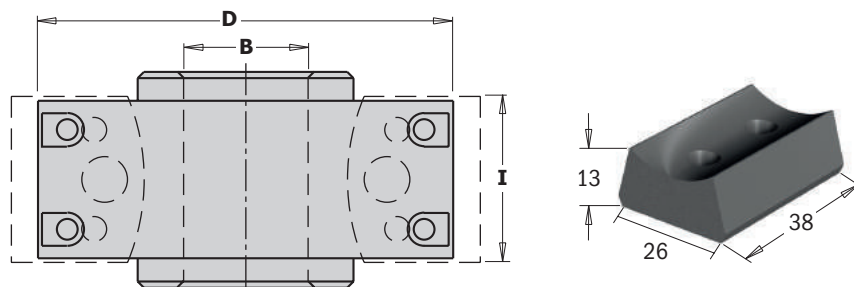
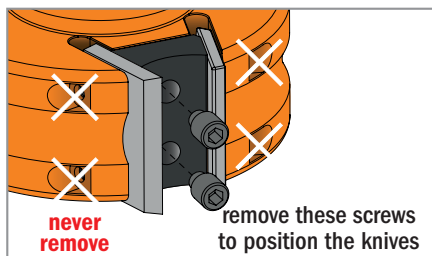
693

CMT cutter heads guarantee excellent performance for all your projects. For use on all types of moulder and spindle moulder machines.

TECHNICAL DETAILS:

- Hard aluminium or steel alloy cutter head without limiters, highly resistant to tensile and yield stress.
- Pair of universal straight knives included.
- Tools for manual feed (MAN).
- Pins for the automatic positioning of the knives.
- Possibility to use knives with a height of 40mm or 50mm (order no. 690) and limiters (order no. 691).

Supplied in a solid plastic box to contain up to 12 couples of knives.



D mm	I mm	B mm	RPM	PACK QTY.	ORDER NO. Steel body	ORDER NO. Aluminium body	Spare parts		
78	40	30	7000~9000	1	693.078.30				
100	40-50	30	5500~8400	1	693.101.30	693.100.30	693.999.01	990.065.00	991.064.00
100	40-50	31,75	5500~8400	1		693.100.31	693.999.01	990.065.00	991.064.00
100	40-50	35	5500~8400	1	693.101.35	693.100.35	693.999.01	990.065.00	991.064.00
120	40-50	50	4800~7400	1	693.121.50	693.120.50	693.999.01	990.065.00	991.064.00

13 Piece Multiprofile Cutter Head Sets without Limiters

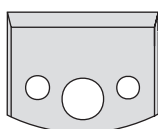


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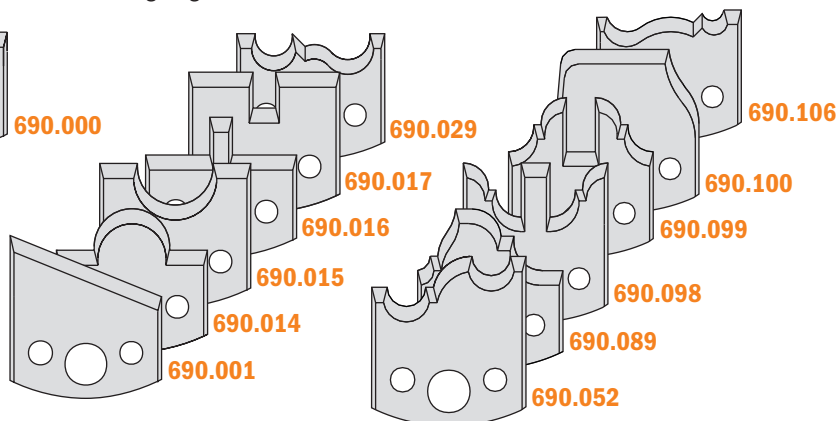
These sets are ideal for making joints and frames and include 3 essential profiles specifically for crafting doors. An invaluable asset for any professional woodworker. The cutter heads included allow the insertion of knives at a height of either 40mm or 50mm. Both cutter head and knives are stored in solid plastic cases to prevent damage.

These sets include:

- 1 cutter head in hard aluminium alloy with pins for the automatic positioning of the knives.
- 13 pairs of knives with a cutting height of 40mm.



690.000



690.029

690.106

690.017

690.100

690.016

690.099

690.015

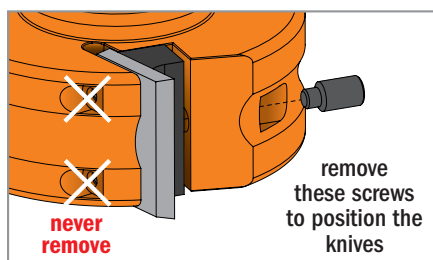
690.098

690.014

690.089

690.001

690.052



D mm	I mm	B mm	RPM	PACK QTY.	ORDER NO.	Spare parts		
78	40	19,05	7000~9000	1	692.013.09			
78	40	30	7000~9000	1	692.013.01	692.999.01	990.064.00	991.064.00
100	40	25,4	5500~8400	1	692.013.10	692.999.01	990.064.00	991.064.00
100	40	30	5500~8400	1	692.013.02	692.999.01	990.064.00	991.064.00
100	40	31,75	5500~8400	1	692.013.11	692.999.01	990.064.00	991.064.00
100	40	35	5500~8400	1	692.013.03	692.999.01	990.064.00	991.064.00
120	40	50	4800~7400	1	692.013.04	692.999.01	990.064.00	991.064.00

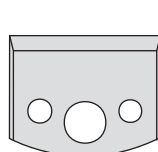


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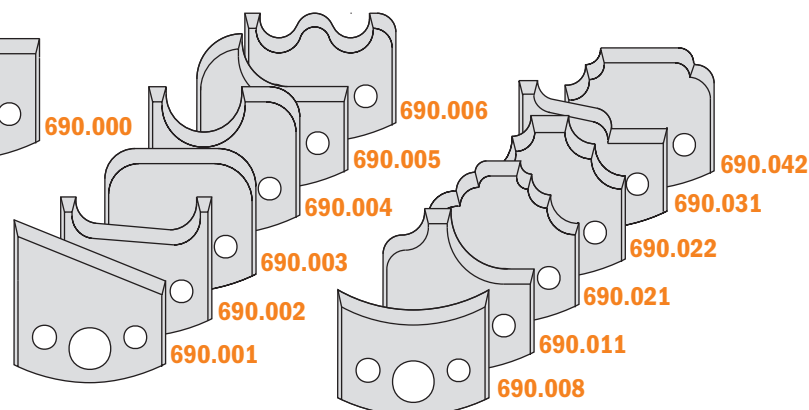
These sets include 13 profile knives for making joints, frames, multiple profiles, moldings and chamfers. Ideal for the professional woodworker. The cutter head included allows the insertion of knives at a height of either 40mm or 50mm. Both cutter head and knives are stored in solid plastic cases to prevent damage.

These sets include:

- 1 cutter head in hard aluminium alloy with pins for the automatic positioning of the knives.
- 13 pairs of knives with a cutting height of 40mm.



690.000



690.006

690.042

690.005

690.031

690.004

690.022

690.003

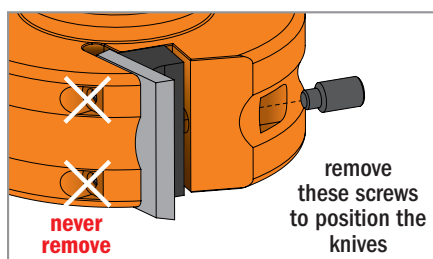
690.021

690.002

690.011

690.001

690.008



D mm	I mm	B mm	RPM	PACK QTY.	ORDER NO.	Spare parts		
78	40	19,05	7000~9000	1	692.013.12			
78	40	30	7000~9000	1	692.013.05	692.999.01	990.064.00	991.064.00
100	40	25,4	5500~8400	1	692.013.13	692.999.01	990.064.00	991.064.00
100	40	30	5500~8400	1	692.013.06	692.999.01	990.064.00	991.064.00
100	40	31,75	5500~8400	1	692.013.14	692.999.01	990.064.00	991.064.00
100	40	35	5500~8400	1	692.013.07	692.999.01	990.064.00	991.064.00
120	40	50	4800~7400	1	692.013.08	692.999.01	990.064.00	991.064.00

7 Piece Multiprofile Cutter Head Sets with Limiters

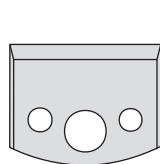
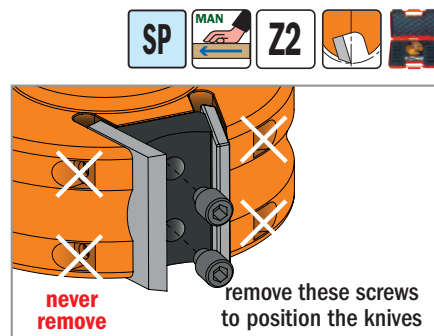


693

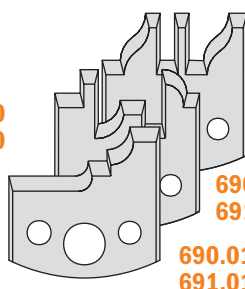
The professional woodworker now has the chance to make kitchen doors with a horizontal profile and male-and-female joints with two pairs of cutters. In fact, along with 7 profiled knives these sets also contain a specially designed cutter head that allows the insertion of knives with a height of either 40mm or 50mm, and safety limiters produced in compliance with the European Regulation EN 847-1. Both cutter head and knives are stored in solid plastic cases to prevent damage.

These sets include:

- 1 cutter head in hard aluminium alloy allowing the insertion of straight knives, limiters and pins for the automatic positioning of the knives.
- 7 pairs of knives with 40mm of cutting.
- 7 pairs of relative limiters.

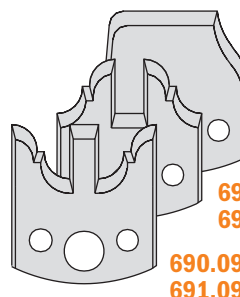


690.000
691.000



690.019
691.019

690.097
691.097



690.098
691.098

690.100
691.100

D mm	I mm	B mm	RPM	PACK QTY.	ORDER NO.	Spare parts		
100	40	30	5500~8400	1	693.013.01			
100	40	35	5500~8400	1	693.013.02	693.999.01	990.065.00	991.064.00
120	40	50	4800~7400	1	693.013.03	693.999.01	990.065.00	991.064.00

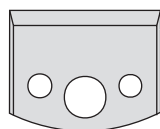
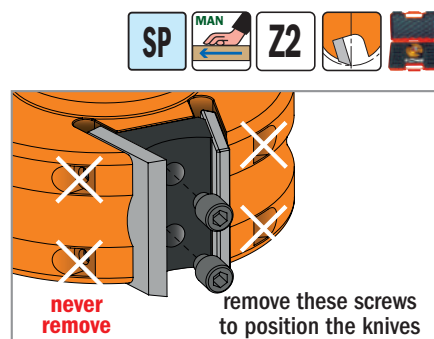


693

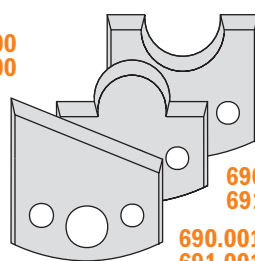
This set contains 7 profiles knives and a cutter head for making joints, frames and chamfers. The cutter heads allow the insertion of knives at a height of either 40mm or 50mm. Safety limiters are produced in compliance with EU Directive EN 847-1. both cutter head and knives are stored in solid plastic cases to prevent damage.

These sets include:

- 1 cutter head in hard aluminium alloy allowing the insertion of straight knives, limiters and pins for the automatic positioning of the knives.
- 7 pairs of knives with 40mm of cutting.
- 7 pairs of relative limiters.



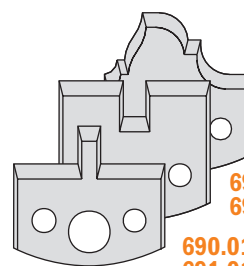
690.000
691.000



690.001
691.001

690.015
691.015

690.014
691.014



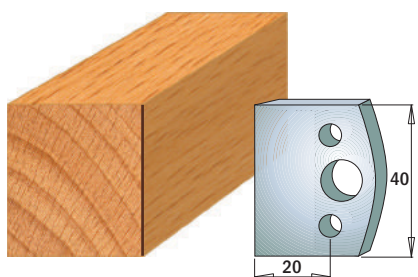
690.016
691.016

690.089
691.089

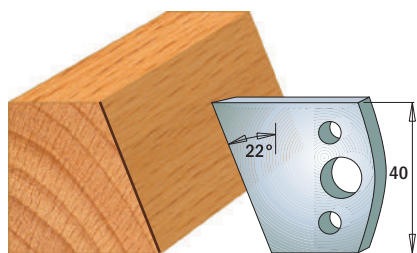
690.017
691.017

D mm	I mm	B mm	RPM	PACK QTY.	ORDER NO.	Spare parts		
100	40	30	5500~8400	1	693.013.04			
100	40	35	5500~8400	1	693.013.05	693.999.01	990.065.00	991.064.00
120	40	50	4800~7400	1	693.013.06	693.999.01	990.065.00	991.064.00

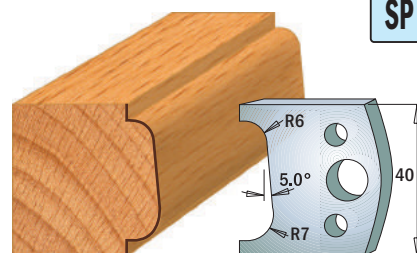
SP



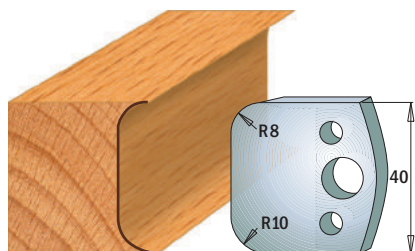
Pair of knives **690.000**
Pair of limiters **691.000**



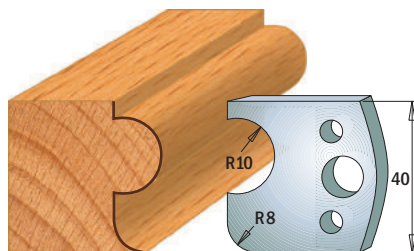
Pair of knives **690.001**
Pair of limiters **691.001**



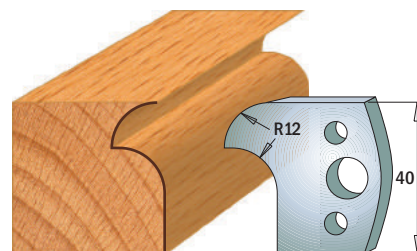
Pair of knives **690.002**
Pair of limiters **691.002**



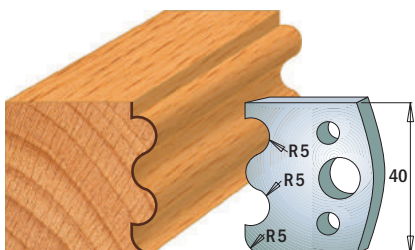
Pair of knives **690.003**
Pair of limiters **691.003**



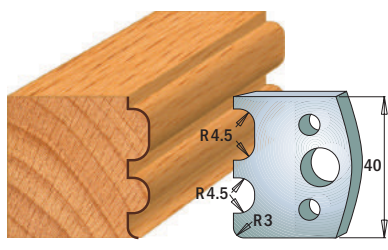
Pair of knives **690.004**
Pair of limiters **691.004**



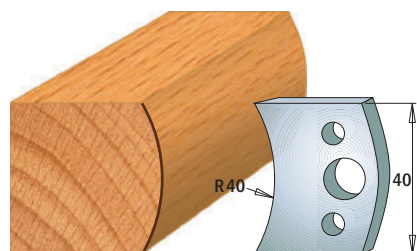
Pair of knives **690.005**
Pair of limiters **691.005**



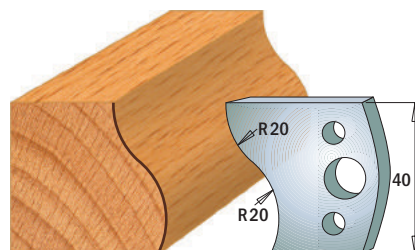
Pair of knives **690.006**
Pair of limiters **691.006**



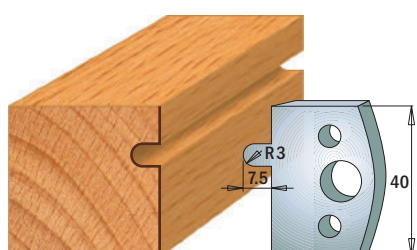
Pair of knives **690.007**
Pair of limiters **691.007**



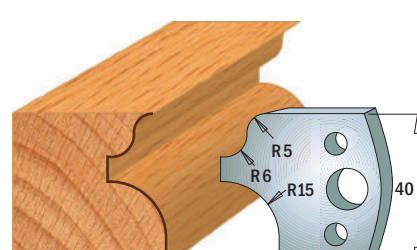
Pair of knives **690.008**
Pair of limiters **691.008**



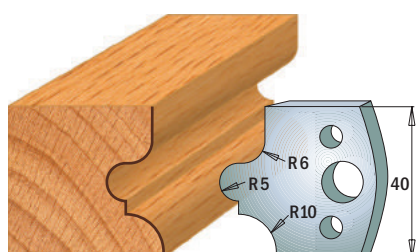
Pair of knives **690.009**
Pair of limiters **691.009**



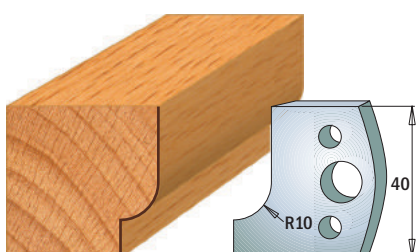
Pair of knives **690.010**
Pair of limiters **691.010**



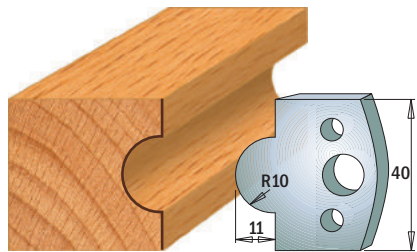
Pair of knives **690.011**
Pair of limiters **691.011**



Pair of knives **690.012**
Pair of limiters **691.012**



Pair of knives **690.013**
Pair of limiters **691.013**



Pair of knives **690.014**
Pair of limiters **691.014**

NOTE: all knives & limiters available only in pairs

Drawings are 1:2 scale

Dimensions in mm.

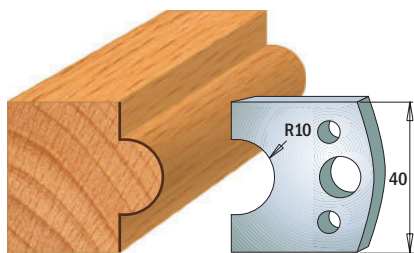
Profile Knives and Limiters

Cutting Length=40mm Thickness=4mm

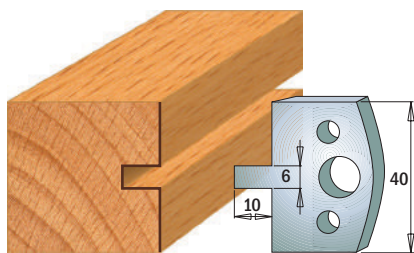
Pack Qty. 10

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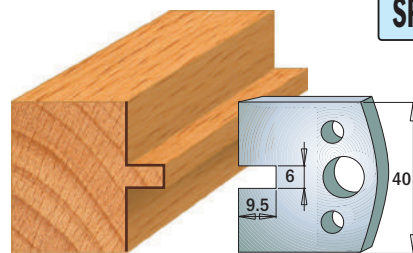
SP



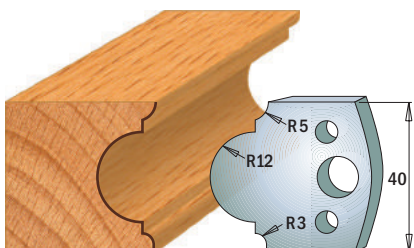
Pair of knives **690.015**
Pair of limiters **691.015**



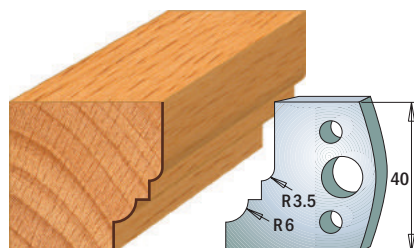
Pair of knives **690.016**
Pair of limiters **691.016**



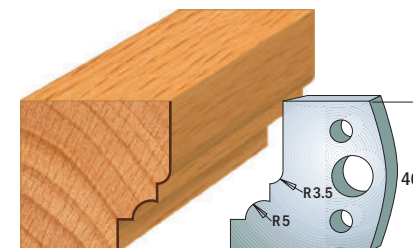
Pair of knives **690.017**
Pair of limiters **691.017**



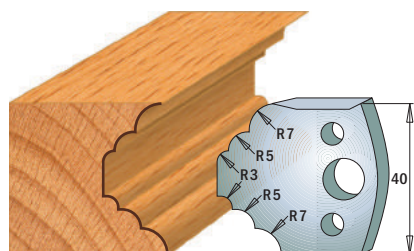
Pair of knives **690.018**
Pair of limiters **691.018**



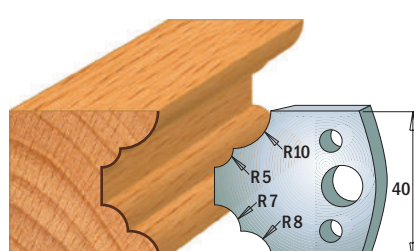
Pair of knives **690.019**
Pair of limiters **691.019**



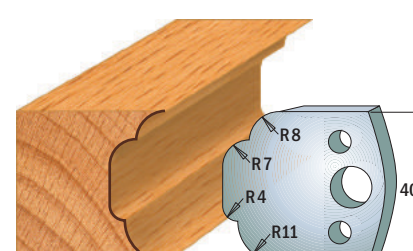
Pair of knives **690.020**
Pair of limiters **691.020**



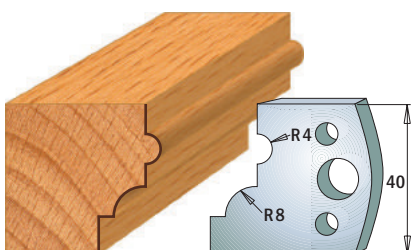
Pair of knives **690.021**
Pair of limiters **691.021**



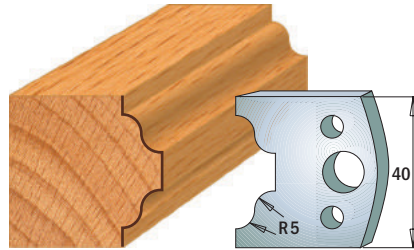
Pair of knives **690.022**
Pair of limiters **691.022**



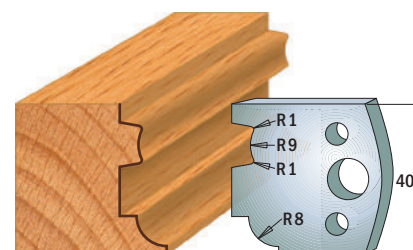
Pair of knives **690.023**
Pair of limiters **691.023**



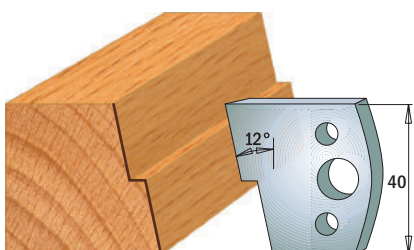
Pair of knives **690.024**
Pair of limiters **691.024**



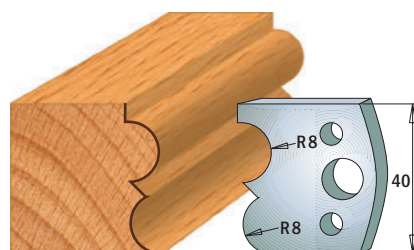
Pair of knives **690.025**
Pair of limiters **691.025**



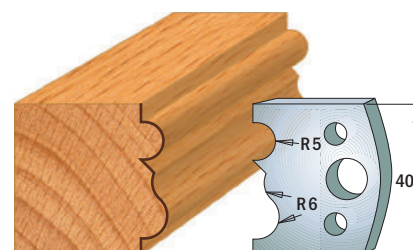
Pair of knives **690.026**
Pair of limiters **691.026**



Pair of knives **690.027**
Pair of limiters **691.027**



Pair of knives **690.028**
Pair of limiters **691.028**

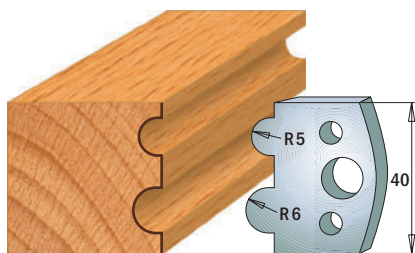


Pair of knives **690.029**
Pair of limiters **691.029**

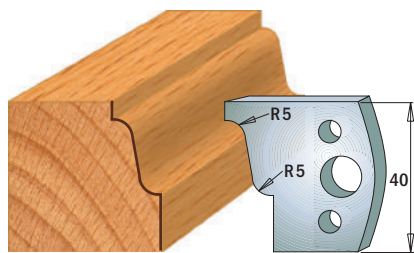
NOTE: all knives & limiters available only in pairs

Drawings are 1:2 scale

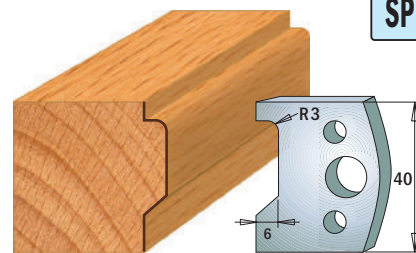
Dimensions in mm.



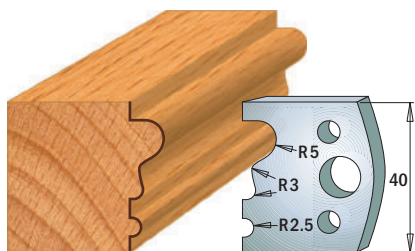
Pair of knives **690.030**
Pair of limiters **691.030**



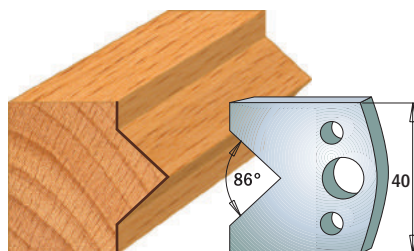
Pair of knives **690.031**
Pair of limiters **691.031**



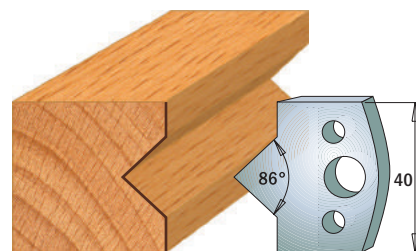
Pair of knives **690.032**
Pair of limiters **691.032**



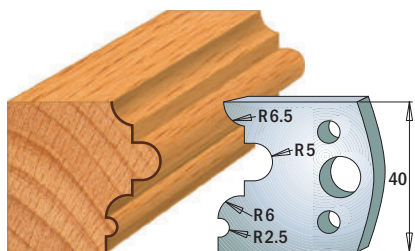
Pair of knives **690.033**
Pair of limiters **691.033**



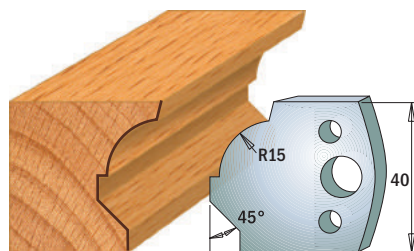
Pair of knives **690.034**
Pair of limiters **691.034**



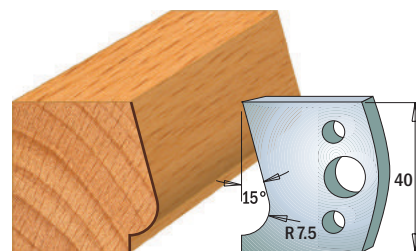
Pair of knives **690.035**
Pair of limiters **691.035**



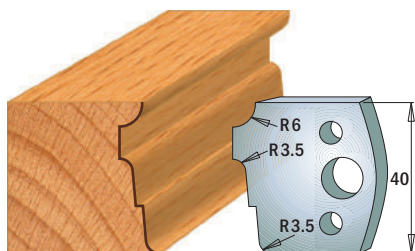
Pair of knives **690.036**
Pair of limiters **691.036**



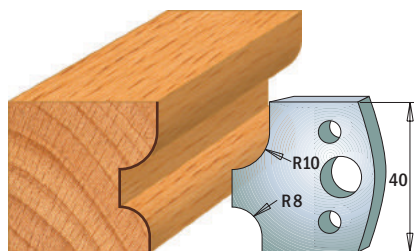
Pair of knives **690.037**
Pair of limiters **691.037**



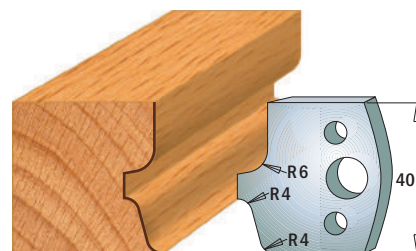
Pair of knives **690.038**
Pair of limiters **691.038**



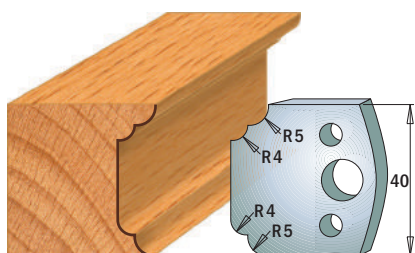
Pair of knives **690.039**
Pair of limiters **691.039**



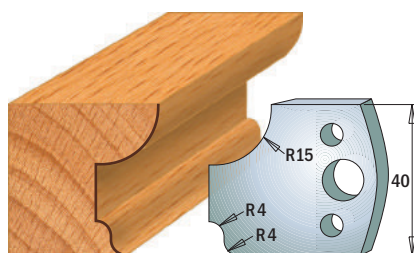
Pair of knives **690.040**
Pair of limiters **691.040**



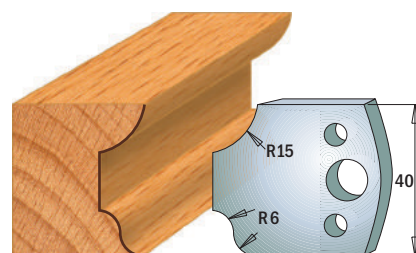
Pair of knives **690.041**
Pair of limiters **691.041**



Pair of knives **690.042**
Pair of limiters **691.042**



Pair of knives **690.043**
Pair of limiters **691.043**



Pair of knives **690.044**
Pair of limiters **691.044**

NOTE: all knives & limiters available only in pairs

Drawings are 1:2 scale

Dimensions in mm.

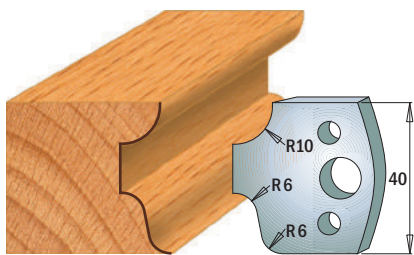
Profile Knives and Limiters

Cutting Length=40mm Thickness=4mm

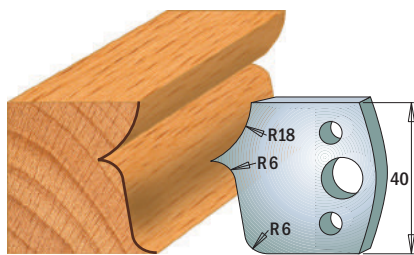
Pack Qty. 10

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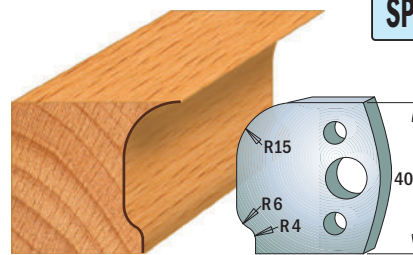
SP



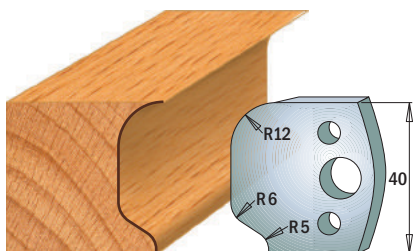
Pair of knives **690.045**
Pair of limiters **691.045**



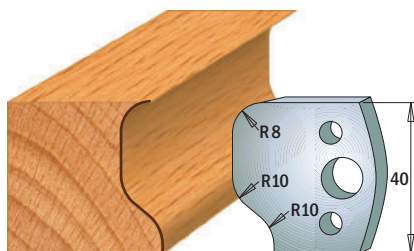
Pair of knives **690.046**
Pair of limiters **691.046**



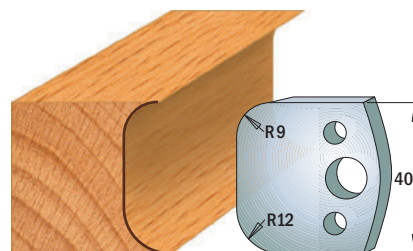
Pair of knives **690.047**
Pair of limiters **691.047**



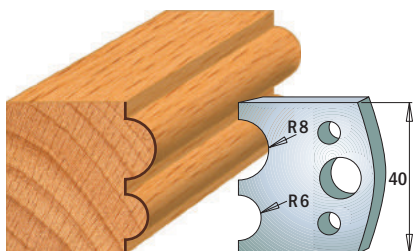
Pair of knives **690.048**
Pair of limiters **691.048**



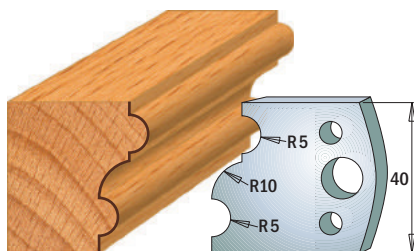
Pair of knives **690.049**
Pair of limiters **691.049**



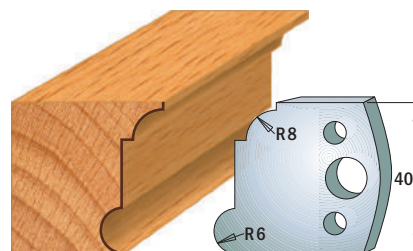
Pair of knives **690.050**
Pair of limiters **691.050**



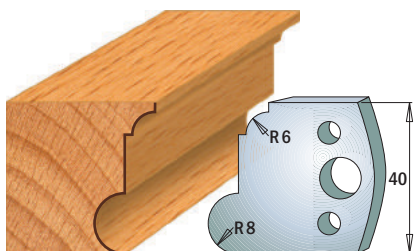
Pair of knives **690.051**
Pair of limiters **691.051**



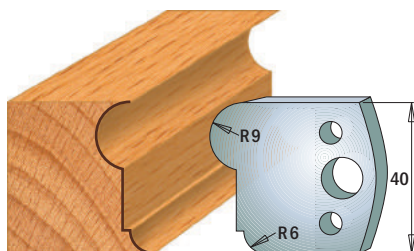
Pair of knives **690.052**
Pair of limiters **691.052**



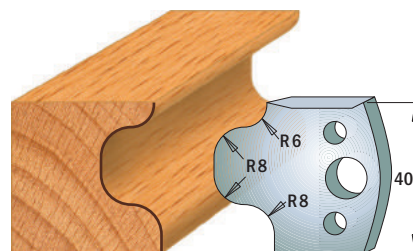
Pair of knives **690.053**
Pair of limiters **691.053**



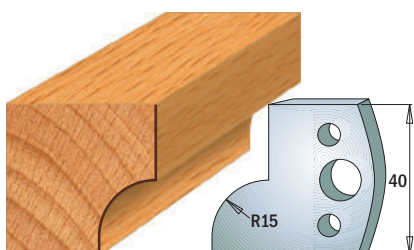
Pair of knives **690.054**
Pair of limiters **691.054**



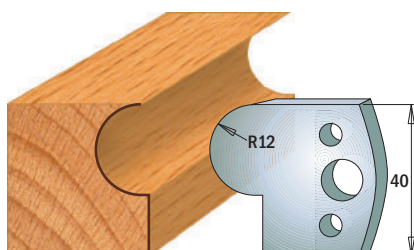
Pair of knives **690.055**
Pair of limiters **691.055**



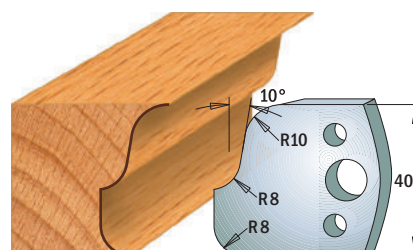
Pair of knives **690.056**
Pair of limiters **691.056**



Pair of knives **690.057**
Pair of limiters **691.057**



Pair of knives **690.058**
Pair of limiters **691.058**

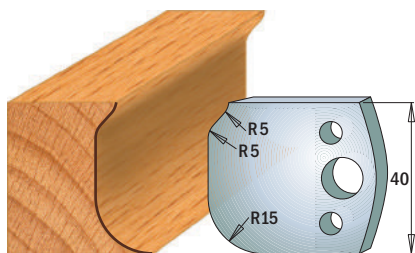


Pair of knives **690.059**
Pair of limiters **691.059**

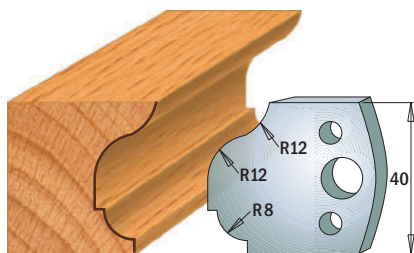
NOTE: all knives & limiters available only in pairs

Drawings are 1:2 scale

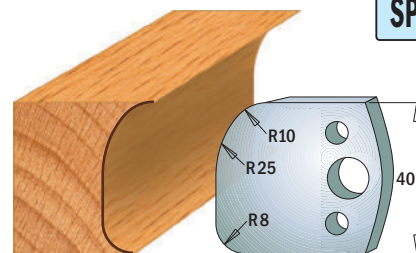
Dimensions in mm.



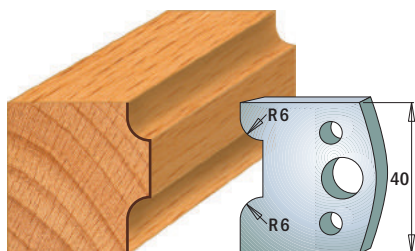
Pair of knives **690.060**
Pair of limiters **691.060**



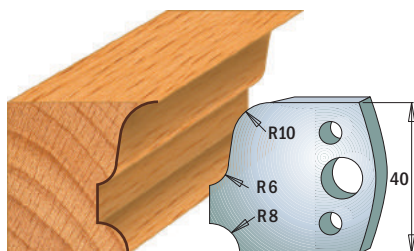
Pair of knives **690.061**
Pair of limiters **691.061**



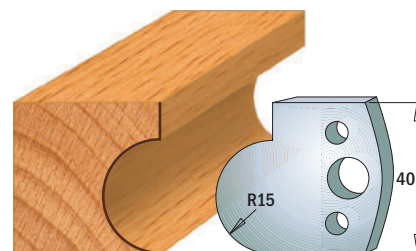
Pair of knives **690.062**
Pair of limiters **691.062**



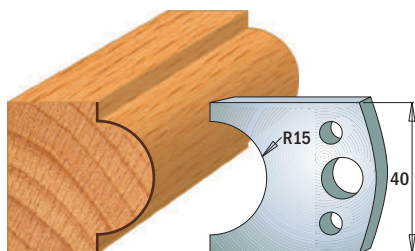
Pair of knives **690.063**
Pair of limiters **691.063**



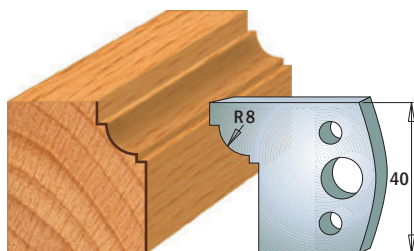
Pair of knives **690.064**
Pair of limiters **691.064**



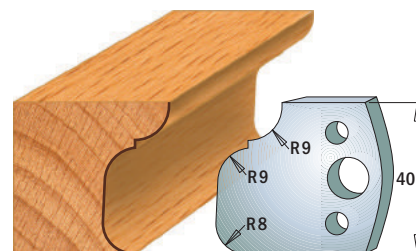
Pair of knives **690.065**
Pair of limiters **691.065**



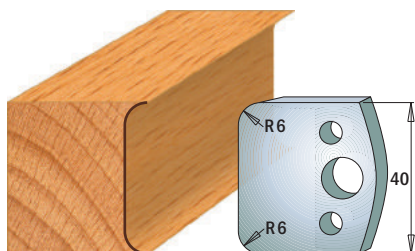
Pair of knives **690.066**
Pair of limiters **691.066**



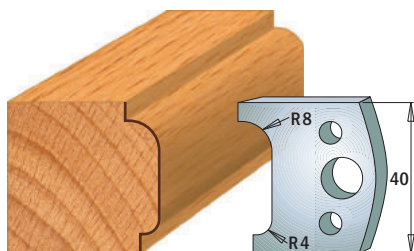
Pair of knives **690.067**
Pair of limiters **691.067**



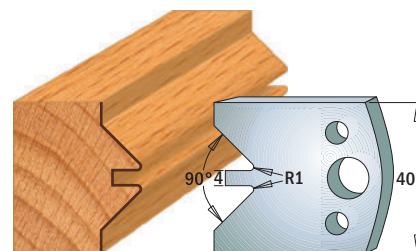
Pair of knives **690.068**
Pair of limiters **691.068**



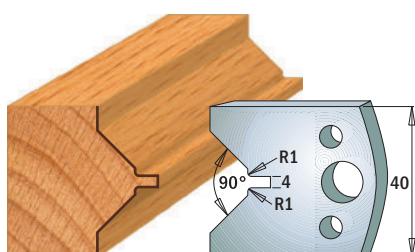
Pair of knives **690.069**
Pair of limiters **691.069**



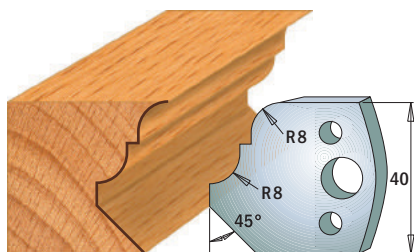
Pair of knives **690.070**
Pair of limiters **691.070**



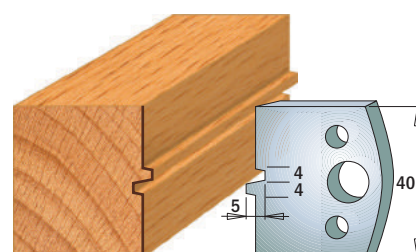
Pair of knives **690.071**
Pair of limiters **691.071**



Pair of knives **690.072**
Pair of limiters **691.072**



Pair of knives **690.073**
Pair of limiters **691.073**



Pair of knives **690.074**
Pair of limiters **691.074**

NOTE: all knives & limiters available only in pairs

Drawings are 1:2 scale

Dimensions in mm.

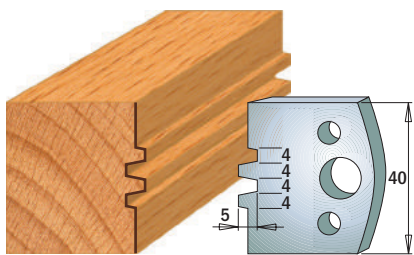
Profile Knives and Limiters

Cutting Length=40mm Thickness=4mm

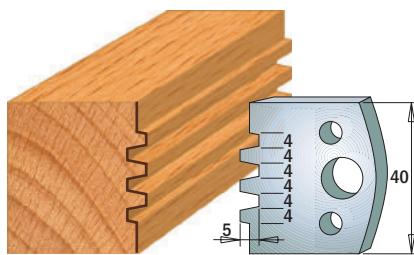
Pack Qty. 10

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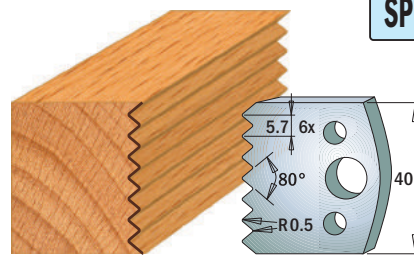
SP



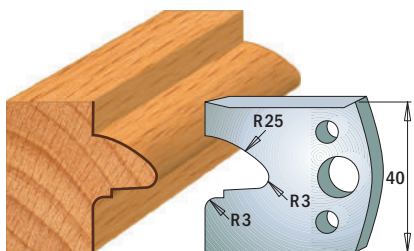
Pair of knives **690.075**
Pair of limiters **691.075**



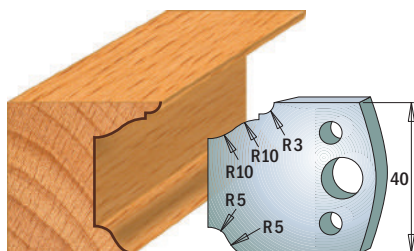
Pair of knives **690.076**
Pair of limiters **691.076**



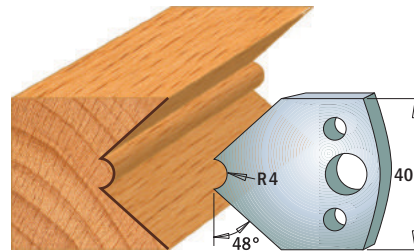
Pair of knives **690.077**
Pair of limiters **691.077**



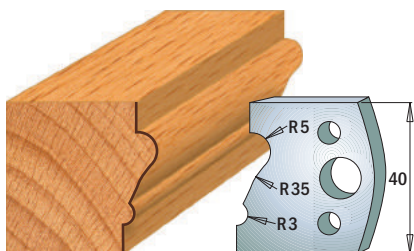
Pair of knives **690.078**
Pair of limiters **691.078**



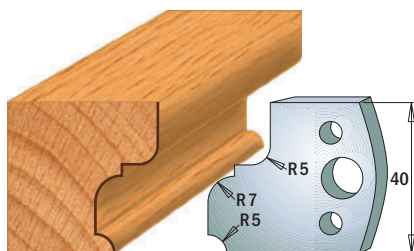
Pair of knives **690.079**
Pair of limiters **691.079**



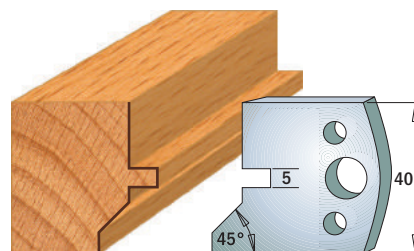
Pair of knives **690.080**
Pair of limiters **691.080**



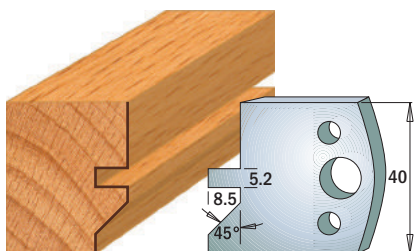
Pair of knives **690.081**
Pair of limiters **691.081**



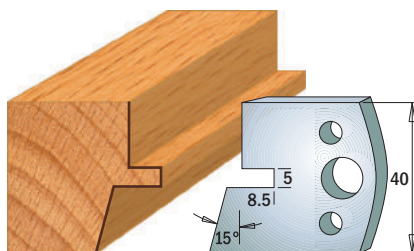
Pair of knives **690.082**
Pair of limiters **691.082**



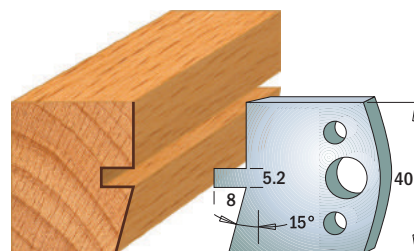
Pair of knives **690.083**
Pair of limiters **691.083**



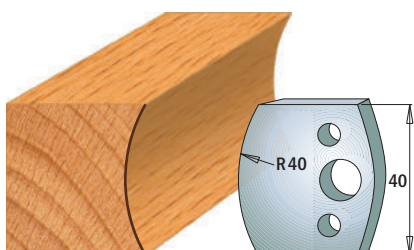
Pair of knives **690.084**
Pair of limiters **691.084**



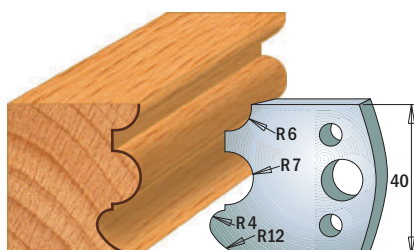
Pair of knives **690.085**
Pair of limiters **691.085**



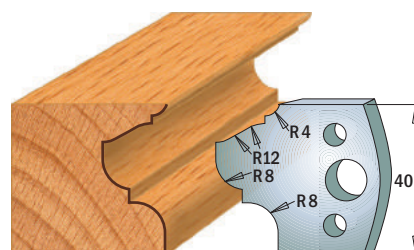
Pair of knives **690.086**
Pair of limiters **691.086**



Pair of knives **690.087**
Pair of limiters **691.087**



Pair of knives **690.088**
Pair of limiters **691.088**



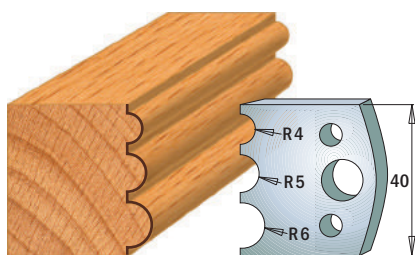
Pair of knives **690.089**
Pair of limiters **691.089**

NOTE: all knives & limiters available only in pairs

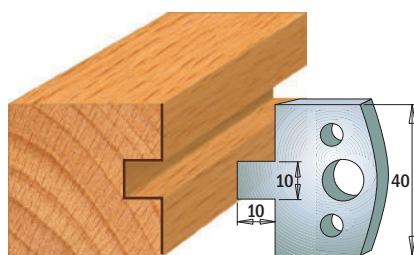
Drawings are 1:2 scale

Dimensions in mm.

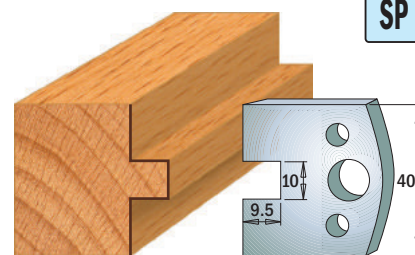
SP



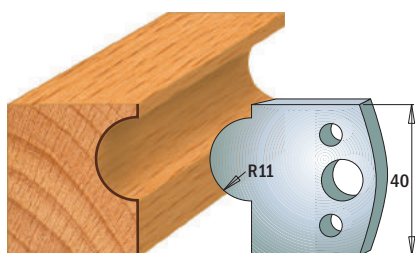
Pair of knives **690.090**
Pair of limiters **691.090**



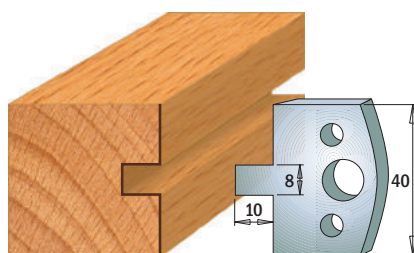
Pair of knives **690.091**
Pair of limiters **691.091**



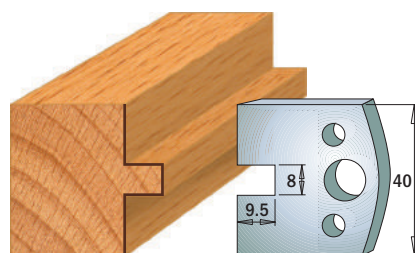
Pair of knives **690.092**
Pair of limiters **691.092**



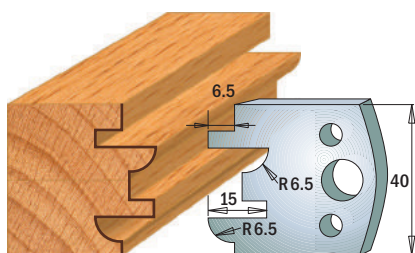
Pair of knives **690.093**
Pair of limiters **691.093**



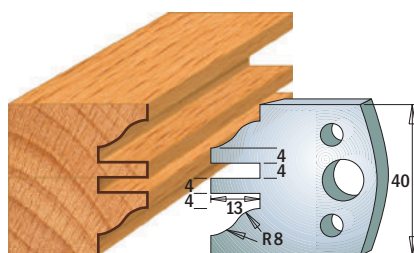
Pair of knives **690.094**
Pair of limiters **691.094**



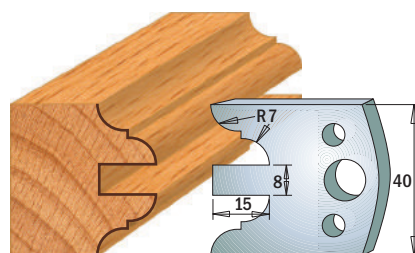
Pair of knives **690.095**
Pair of limiters **691.095**



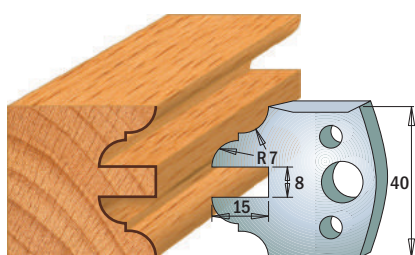
Pair of knives **690.096**
Pair of limiters **691.096**



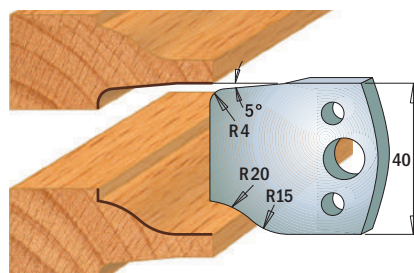
Pair of knives **690.097**
Pair of limiters **691.097**



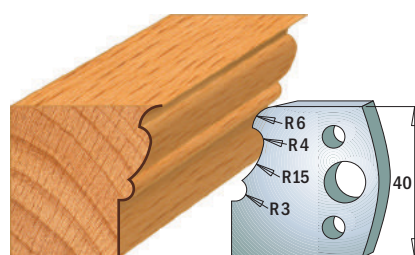
Pair of knives **690.098**
Pair of limiters **691.098**



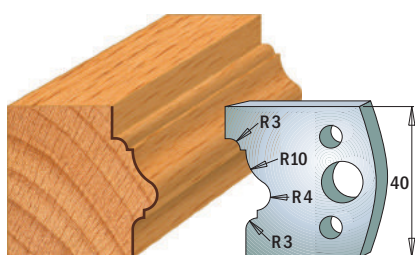
Pair of knives **690.099**
Pair of limiters **691.099**



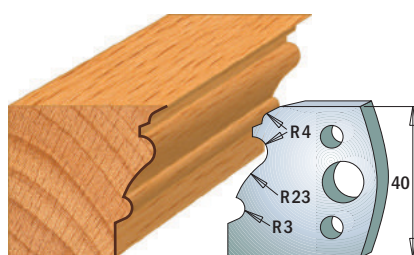
Pair of knives **690.100**
Pair of limiters **691.100**



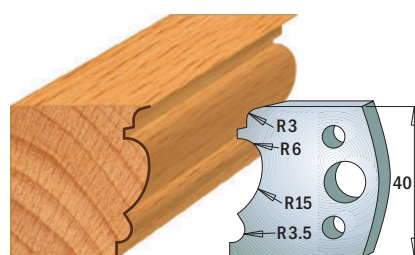
Pair of knives **690.101**
Pair of limiters **691.101**



Pair of knives **690.102**
Pair of limiters **691.102**



Pair of knives **690.103**
Pair of limiters **691.103**



Pair of knives **690.104**
Pair of limiters **691.104**

NOTE: all knives & limiters available only in pairs

Drawings are 1:2 scale

Dimensions in mm.

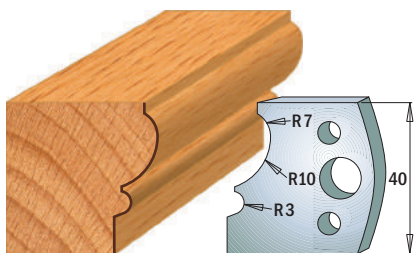
Profile Knives and Limiters

Cutting Length=40mm Thickness=4mm

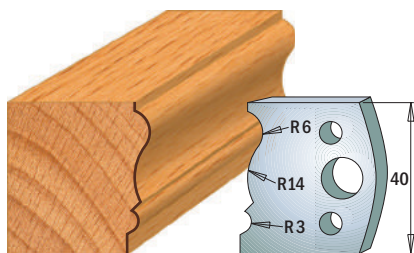
Pack Qty. 10

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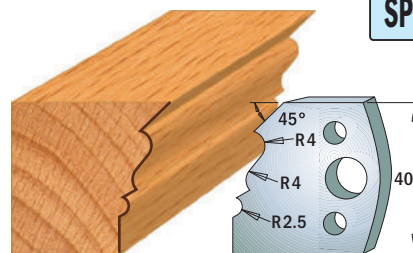
SP



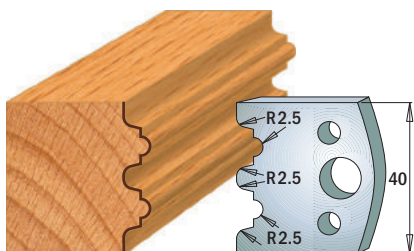
Pair of knives **690.105**
Pair of limiters **691.105**



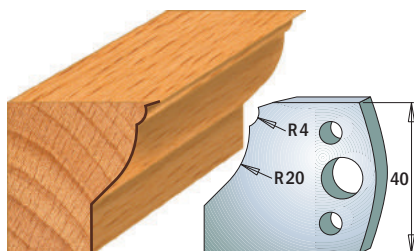
Pair of knives **690.106**
Pair of limiters **691.106**



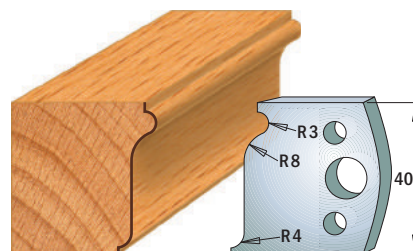
Pair of knives **690.107**
Pair of limiters **691.107**



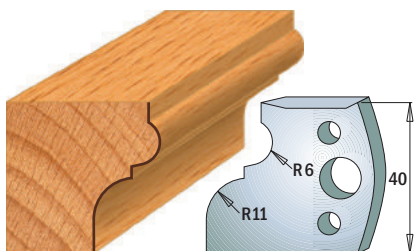
Pair of knives **690.108**
Pair of limiters **691.108**



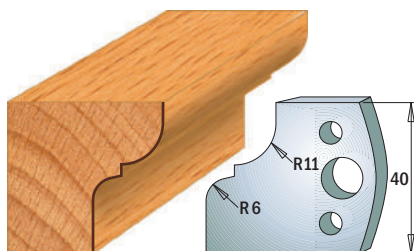
Pair of knives **690.109**
Pair of limiters **691.109**



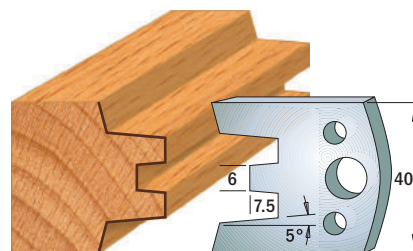
Pair of knives **690.110**
Pair of limiters **691.110**



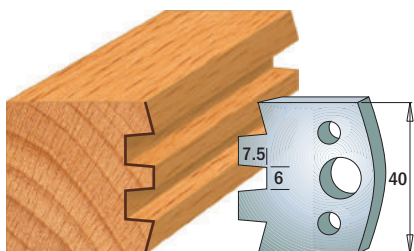
Pair of knives **690.111**
Pair of limiters **691.111**



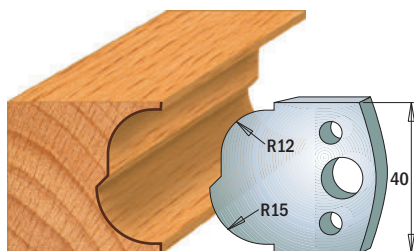
Pair of knives **690.112**
Pair of limiters **691.112**



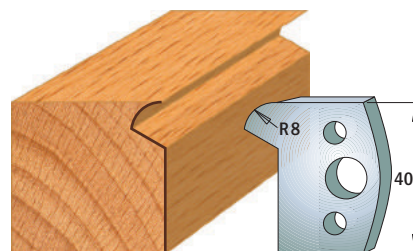
Pair of knives **690.113**
Pair of limiters **691.113**



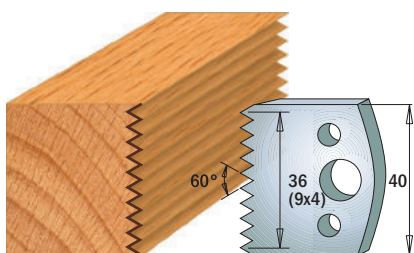
Pair of knives **690.114**
Pair of limiters **691.114**



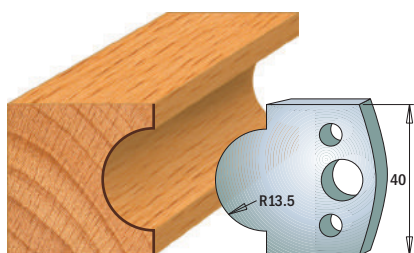
Pair of knives **690.115**
Pair of limiters **691.115**



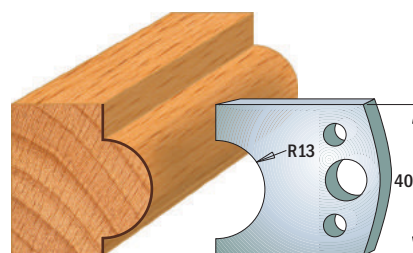
Pair of knives **690.116**
Pair of limiters **691.116**



Pair of knives **690.117**
Pair of limiters **691.117**



Pair of knives **690.118**
Pair of limiters **691.118**

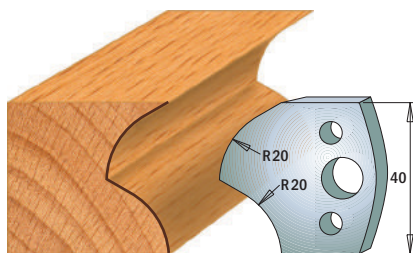


Pair of knives **690.119**
Pair of limiters **691.119**

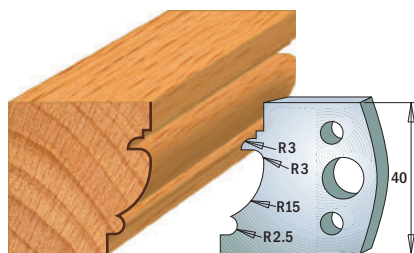
NOTE: all knives & limiters available only in pairs

Drawings are 1:2 scale

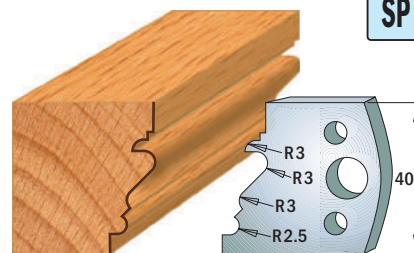
Dimensions in mm.



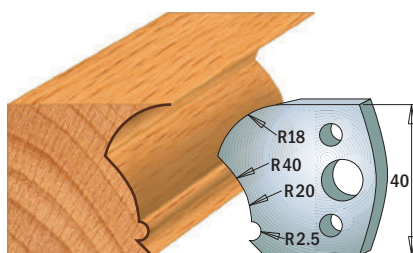
Pair of knives **690.120**
Pair of limiters **691.120**



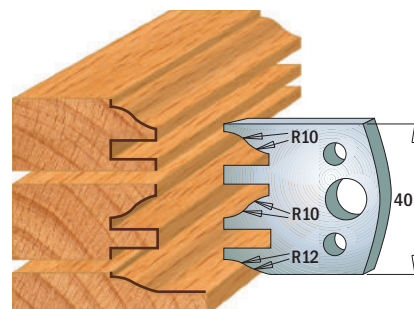
Pair of knives **690.121**
Pair of limiters **691.121**



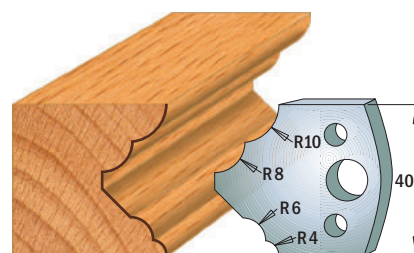
Pair of knives **690.122**
Pair of limiters **691.122**



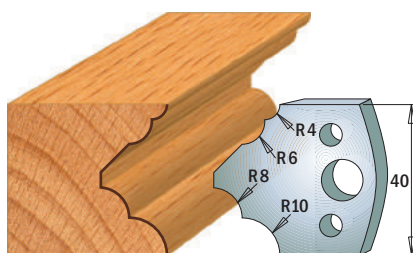
Pair of knives **690.123**
Pair of limiters **691.123**



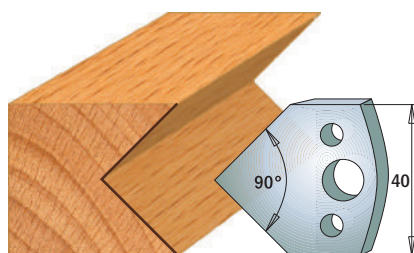
Pair of knives **690.124**
Pair of limiters **691.124**



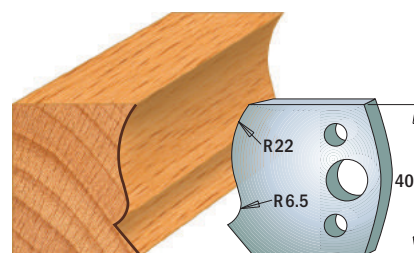
Pair of knives **690.125**
Pair of limiters **691.125**



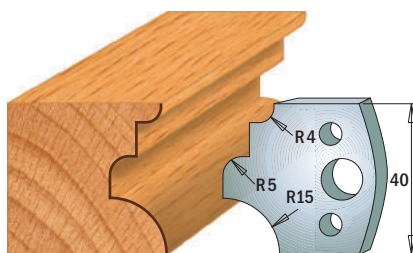
Pair of knives **690.126**
Pair of limiters **691.126**



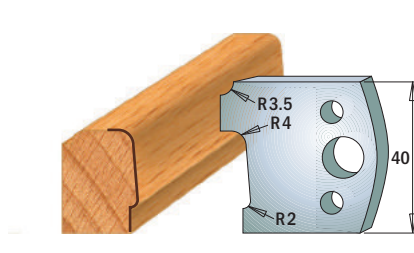
Pair of knives **690.127**
Pair of limiters **691.127**



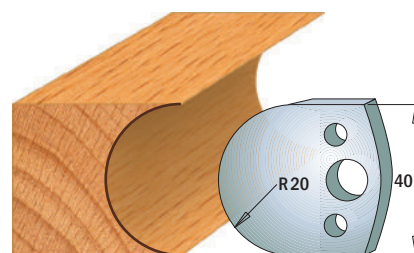
Pair of knives **690.128**
Pair of limiters **691.128**



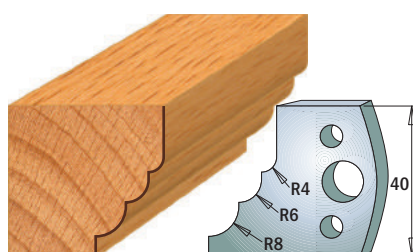
Pair of knives **690.129**
Pair of limiters **691.129**



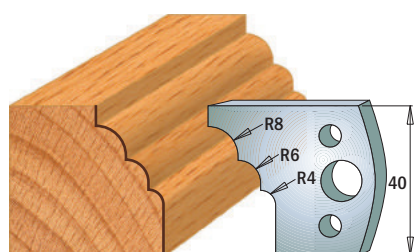
Pair of knives **690.130**
Pair of limiters **691.130**



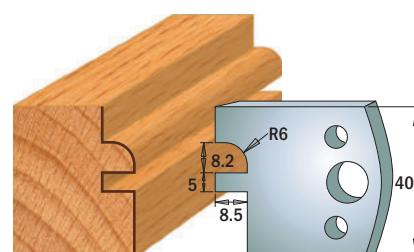
Pair of knives **690.131**
Pair of limiters **691.131**



Pair of knives **690.132**
Pair of limiters **691.132**



Pair of knives **690.133**
Pair of limiters **691.133**



Pair of knives **690.134**
Pair of limiters **691.134**

NOTE: all knives & limiters available only in pairs

Drawings are 1:2 scale

Dimensions in mm.

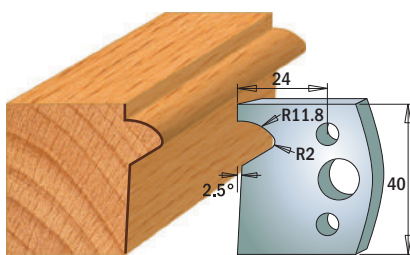
Profile Knives and Limiters

Cutting Length=40mm Thickness=4mm

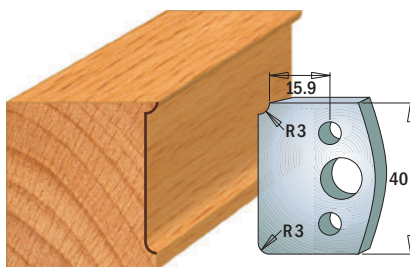
Pack Qty. 10

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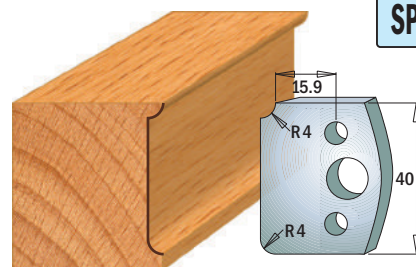
SP



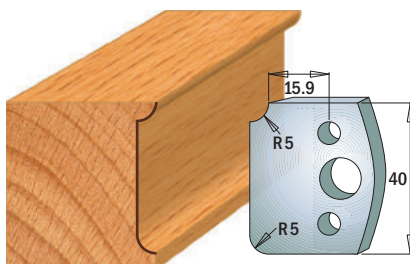
Pair of knives **690.135**
Pair of limiters **691.135**



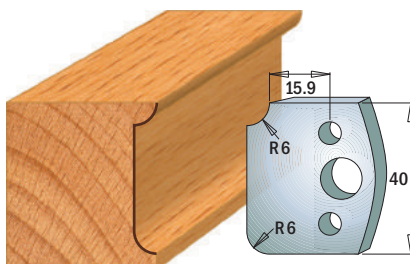
Pair of knives **690.170**
Pair of limiters **691.170**



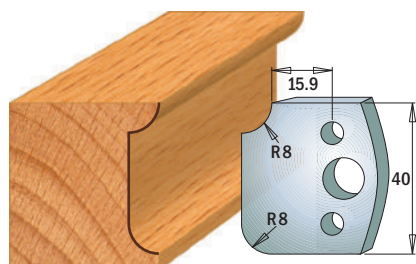
Pair of knives **690.171**
Pair of limiters **691.171**



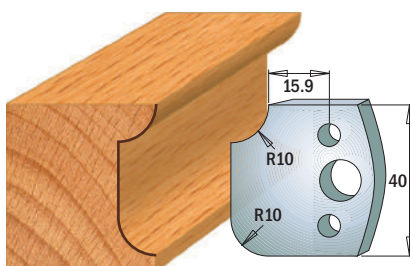
Pair of knives **690.172**
Pair of limiters **691.172**



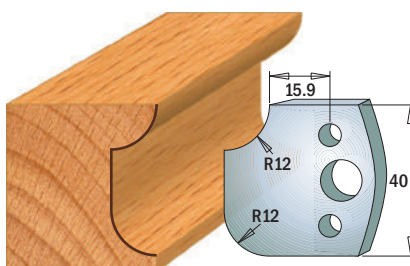
Pair of knives **690.173**
Pair of limiters **691.173**



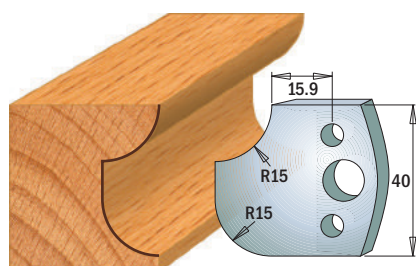
Pair of knives **690.174**
Pair of limiters **691.174**



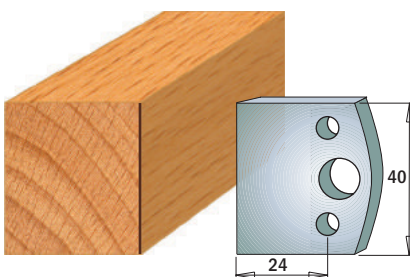
Pair of knives **690.175**
Pair of limiters **691.175**



Pair of knives **690.176**
Pair of limiters **691.176**



Pair of knives **690.177**
Pair of limiters **691.177**



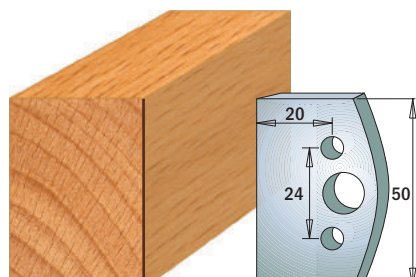
Pair of knives **690.192**
Pair of limiters **691.192**

Profile Knives and Limiters

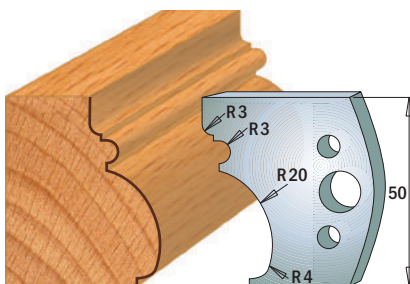
Cutting Length=50mm

Thickness=4mm

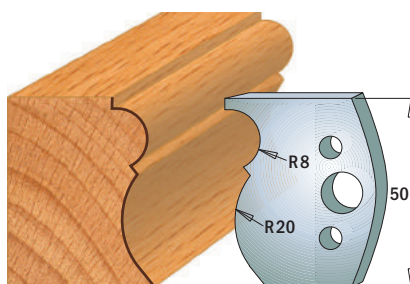
Pack Qty. 10



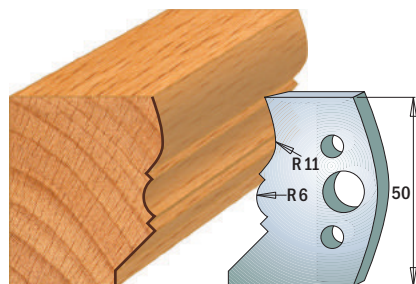
Pair of knives **690.500**
Pair of limiters **691.500**



Pair of knives **690.501**
Pair of limiters **691.501**



Pair of knives **690.502**
Pair of limiters **691.502**



Pair of knives **690.503**
Pair of limiters **691.503**

NOTE: all knives & limiters available only in pairs

Drawings are 1:2 scale

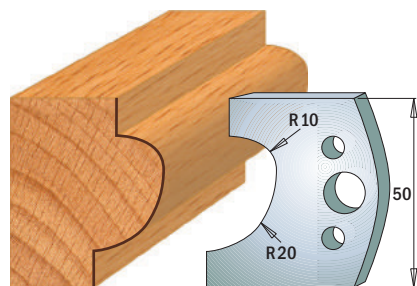
Dimensions in mm.

Profile Knives and Limiters

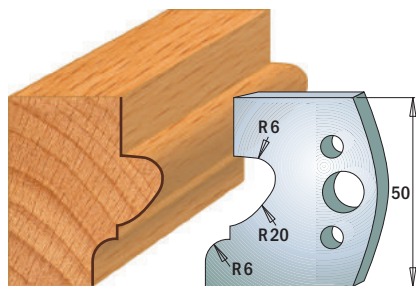
Cutting Length=50mm Thickness=4mm

Pack Qty. 10

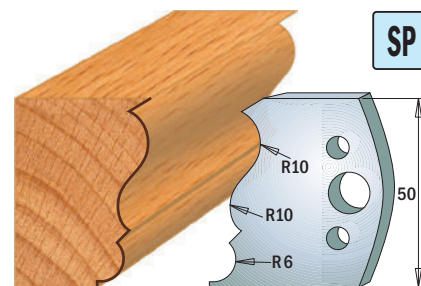
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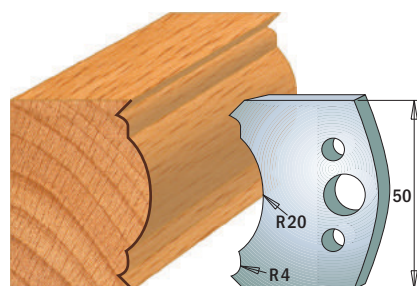
Pair of knives **690.504**
Pair of limiters **691.504**



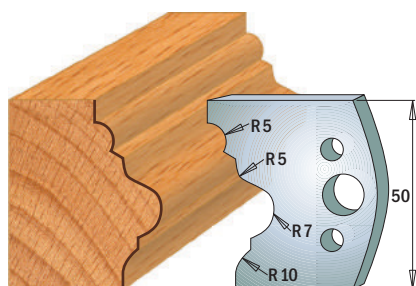
Pair of knives **690.505**
Pair of limiters **691.505**



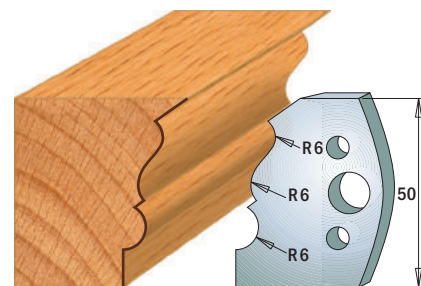
Pair of knives **690.506**
Pair of limiters **691.506**



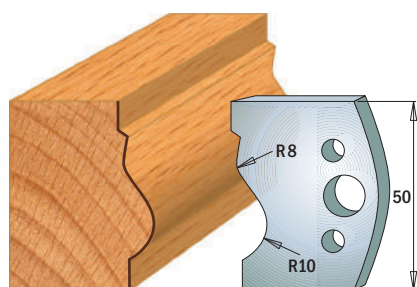
Pair of knives **690.507**
Pair of limiters **691.507**



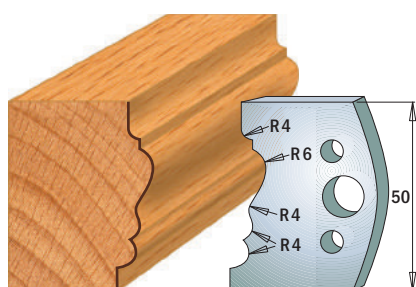
Pair of knives **690.508**
Pair of limiters **691.508**



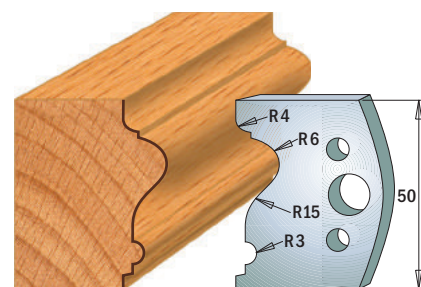
Pair of knives **690.509**
Pair of limiters **691.509**



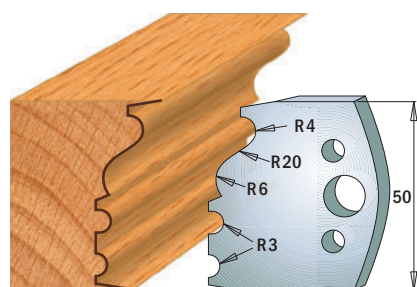
Pair of knives **690.510**
Pair of limiters **691.510**



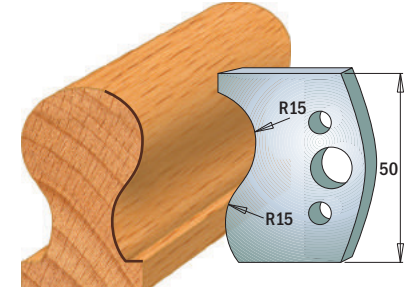
Pair of knives **690.511**
Pair of limiters **691.511**



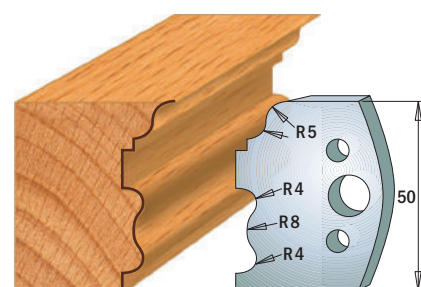
Pair of knives **690.512**
Pair of limiters **691.512**



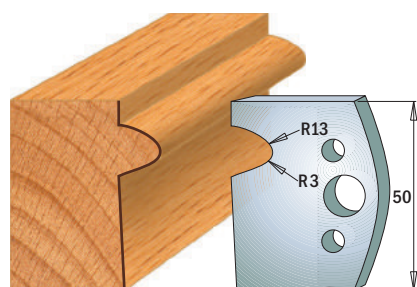
Pair of knives **690.513**
Pair of limiters **691.513**



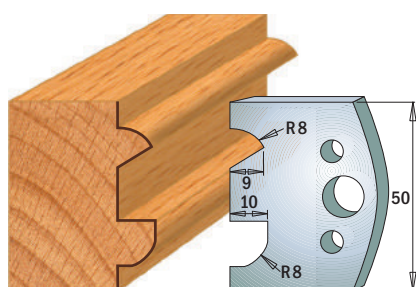
Pair of knives **690.514**
Pair of limiters **691.514**



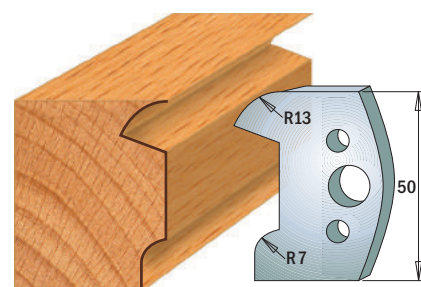
Pair of knives **690.515**
Pair of limiters **691.515**



Pair of knives **690.516**
Pair of limiters **691.516**



Pair of knives **690.517**
Pair of limiters **691.517**



Pair of knives **690.518**
Pair of limiters **691.518**

NOTE: all knives & limiters available only in pairs

Drawings are 1:2 scale

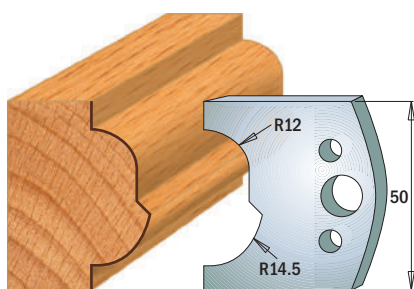
Dimensions in mm.

Profile Knives and Limiters

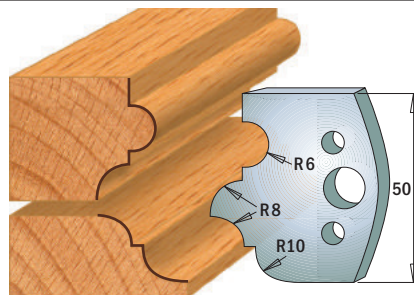
Cutting Length=50mm Thickness=4mm

Pack Qty. 10

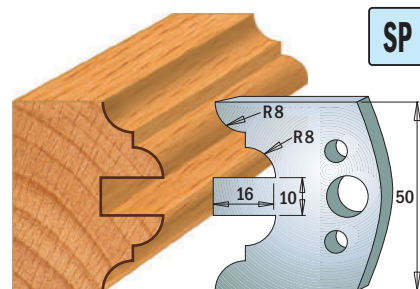
CMT ORANGE TOOLS®



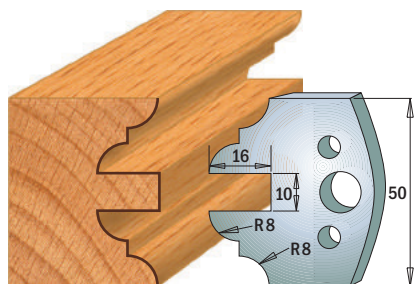
Pair of knives **690.519**
Pair of limiters **691.519**



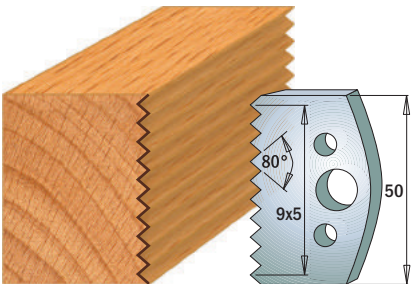
Pair of knives **690.520**
Pair of limiters **691.520**



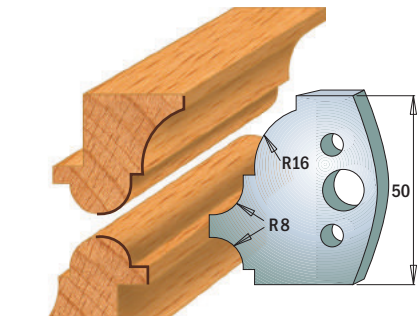
Pair of knives **690.522**
Pair of limiters **691.522**



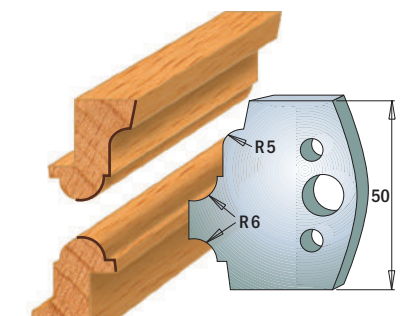
Pair of knives **690.523**
Pair of limiters **691.523**



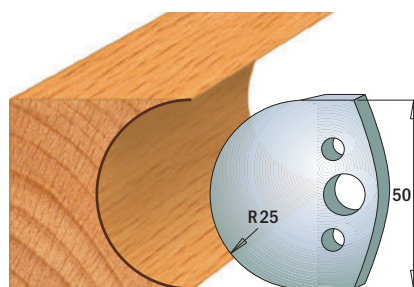
Pair of knives **690.524**
Pair of limiters **691.524**



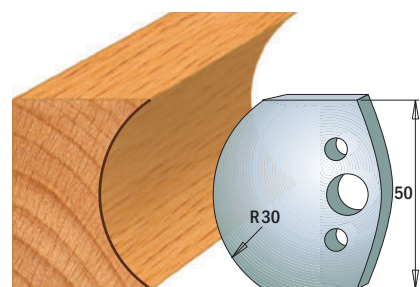
Pair of knives **690.541**
Pair of limiters **691.541**



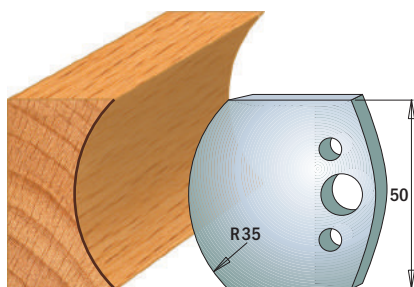
Pair of knives **690.542**
Pair of limiters **691.542**



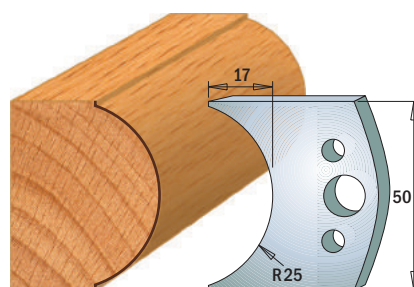
Pair of knives **690.543**
Pair of limiters **691.543**



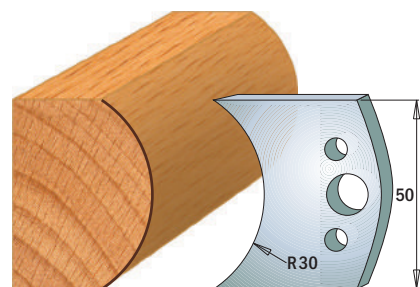
Pair of knives **690.544**
Pair of limiters **691.544**



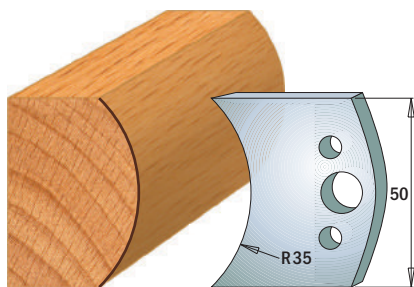
Pair of knives **690.545**
Pair of limiters **691.545**



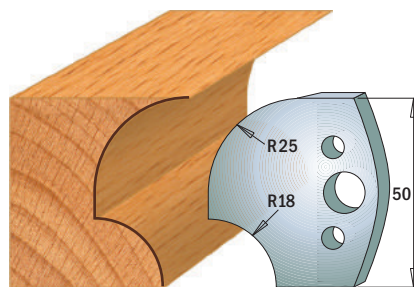
Pair of knives **690.546**
Pair of limiters **691.546**



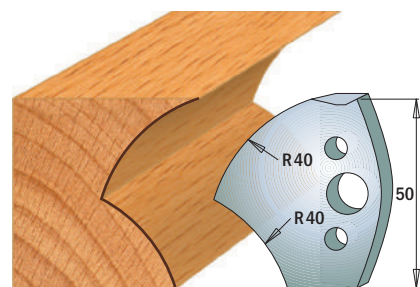
Pair of knives **690.547**
Pair of limiters **691.547**



Pair of knives **690.548**
Pair of limiters **691.548**



Pair of knives **690.549**
Pair of limiters **691.549**



Pair of knives **690.550**
Pair of limiters **691.550**

NOTE: all knives & limiters available only in pairs

Drawings are 1:2 scale

Dimensions in mm.

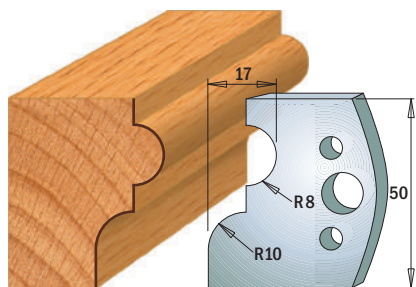
Profile Knives and Limiters

Cutting Length=50mm Thickness=4mm

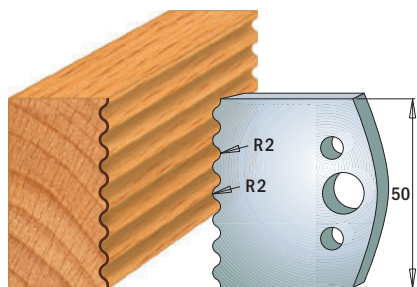
Pack Qty. 10

CMT ORANGE TOOLS®

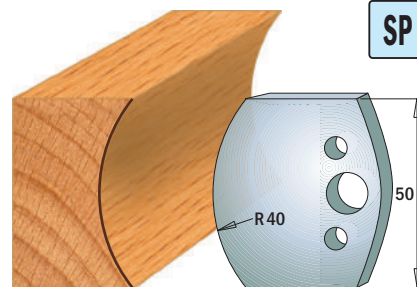
SP



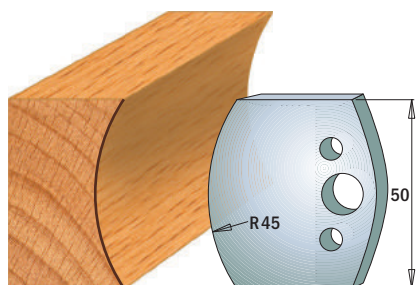
Pair of knives **690.551**
Pair of limiters **691.551**



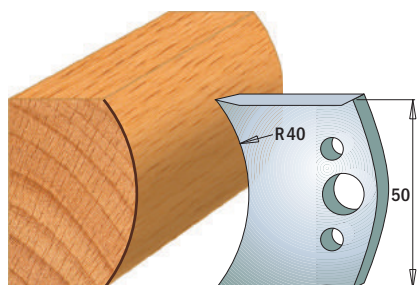
Pair of knives **690.552**
Pair of limiters **691.552**



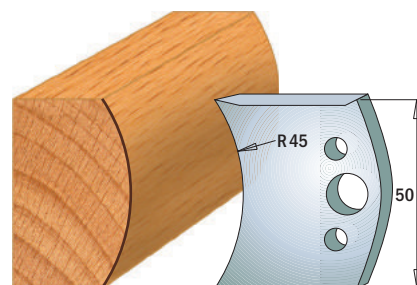
Pair of knives **690.553**
Pair of limiters **691.553**



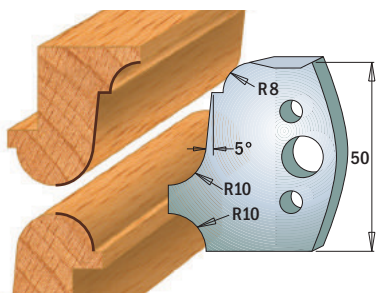
Pair of knives **690.554**
Pair of limiters **691.554**



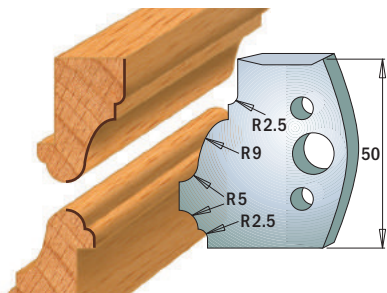
Pair of knives **690.555**
Pair of limiters **691.555**



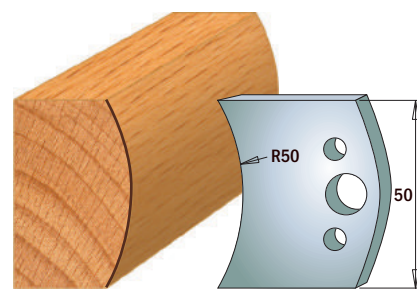
Pair of knives **690.556**
Pair of limiters **691.556**



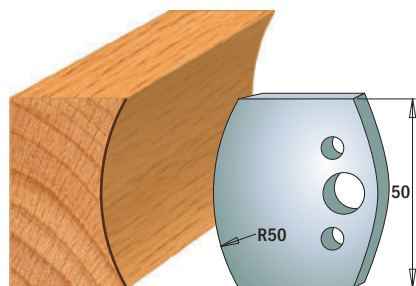
Pair of knives **690.557**
Pair of limiters **691.557**



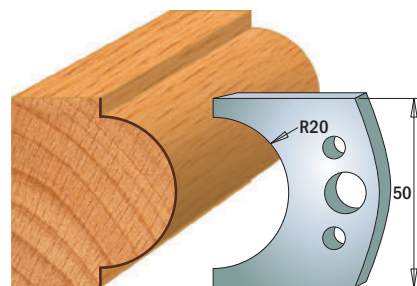
Pair of knives **690.558**
Pair of limiters **691.558**



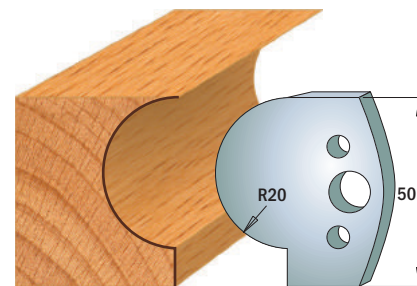
Pair of knives **690.559**
Pair of limiters **691.559**



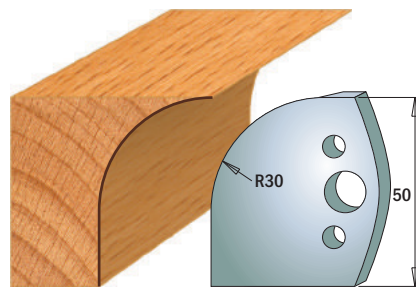
Pair of knives **690.560**
Pair of limiters **691.560**



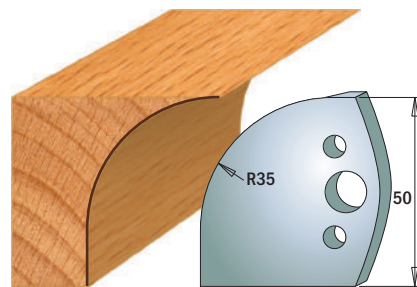
Pair of knives **690.561**
Pair of limiters **691.561**



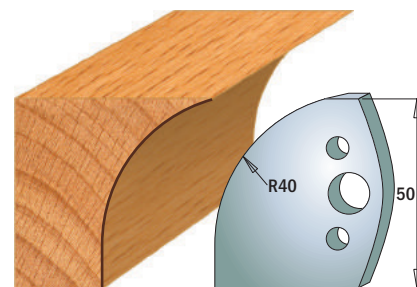
Pair of knives **690.562**
Pair of limiters **691.562**



Pair of knives **690.563**
Pair of limiters **691.563**



Pair of knives **690.564**
Pair of limiters **691.564**



Pair of knives **690.565**
Pair of limiters **691.565**

NOTE: all knives & limiters available only in pairs

Drawings are 1:2 scale

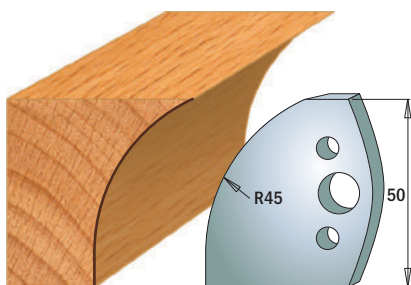
Dimensions in mm.

Profile Knives and Limiters

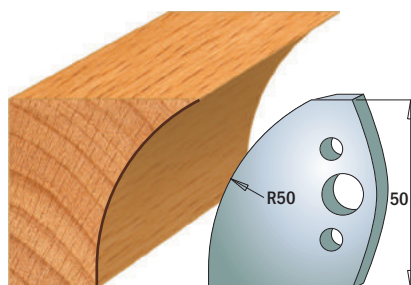
Cutting Length=50mm Thickness=4mm

Pack Qty. 10

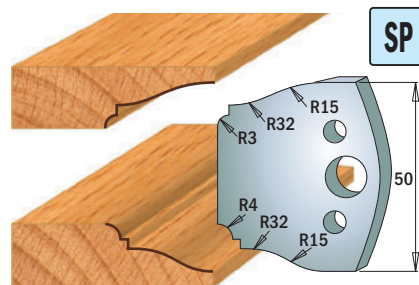
CMT ORANGE TOOLS®



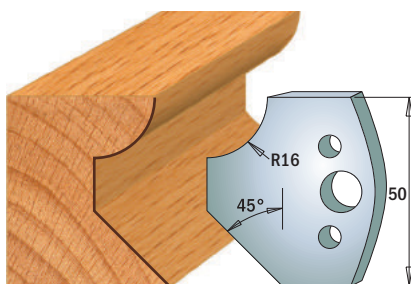
Pair of knives **690.566**
Pair of limiters **691.566**



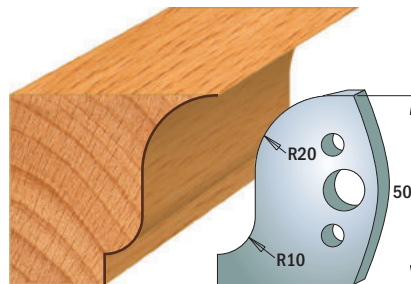
Pair of knives **690.567**
Pair of limiters **691.567**



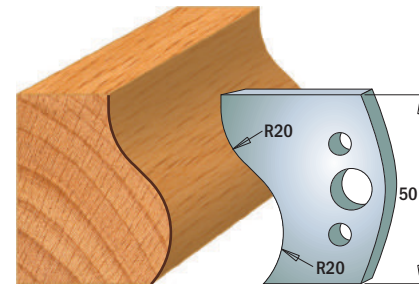
Pair of knives **690.568**
Pair of limiters **691.568**



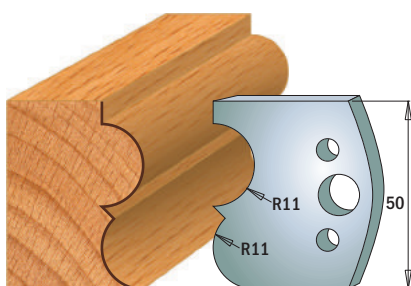
Pair of knives **690.569**
Pair of limiters **691.569**



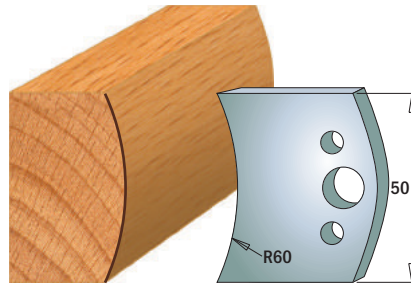
Pair of knives **690.570**
Pair of limiters **691.570**



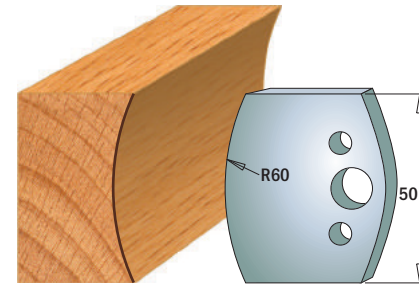
Pair of knives **690.571**
Pair of limiters **691.571**



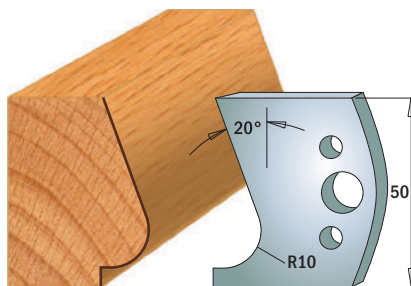
Pair of knives **690.572**
Pair of limiters **691.572**



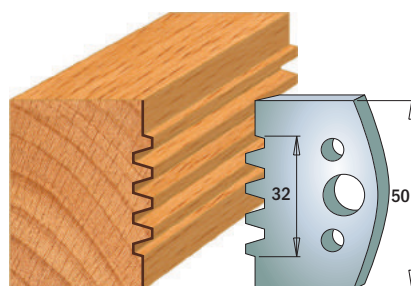
Pair of knives **690.573**
Pair of limiters **691.573**



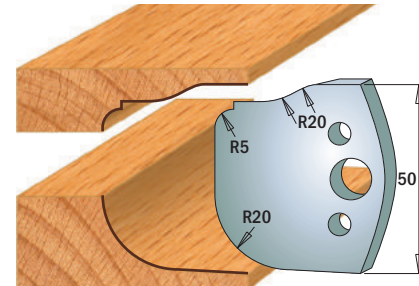
Pair of knives **690.574**
Pair of limiters **691.574**



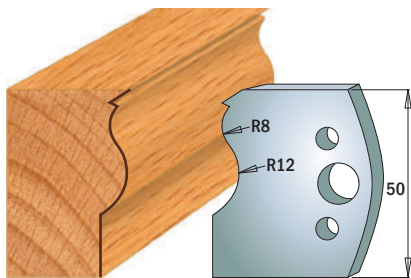
Pair of knives **690.575**
Pair of limiters **691.575**



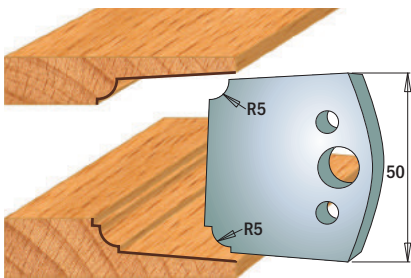
Pair of knives **690.576**
Pair of limiters **691.576**



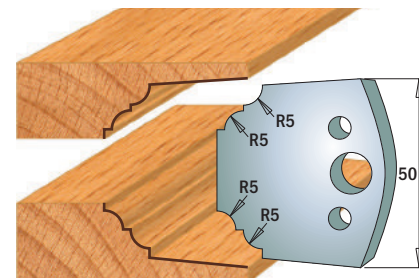
Pair of knives **690.577**
Pair of limiters **691.577**



Pair of knives **690.578**
Pair of limiters **691.578**



Pair of knives **690.579**
Pair of limiters **691.579**



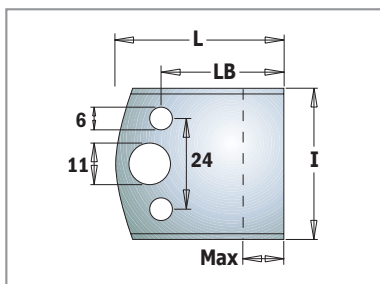
Pair of knives **690.580**
Pair of limiters **691.580**

NOTE: all knives & limiters available only in pairs

Drawings are 1:2 scale

Dimensions in mm.

Blank Knives & Limiters (to be sharpened)

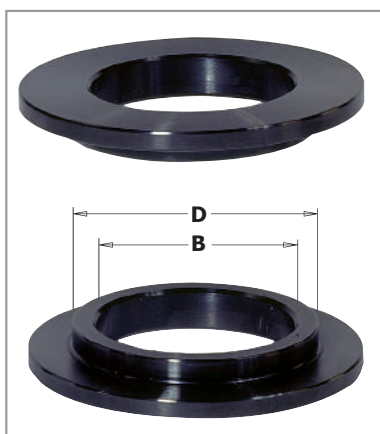


690-691

SP HSS

DESCRIPTION	I mm	LB mm	L mm	Max mm	PACK QTY.	ORDER NO. SP	ORDER NO. HSS
Pair of knives	40	32,5	44,5	18	10	690.193	690.193H
Pair of knives	50	34	46	20	10	690.599	690.599H
Pair of limiters	38	16	28	2	10	691.190	
Pair of limiters	38	24	36	10	10	691.192	
Pair of limiters	38	32,5	44,5	18	10		691.193
Pair of limiters	48	34	46	20	10	691.599	

Pair of Bore Reducers

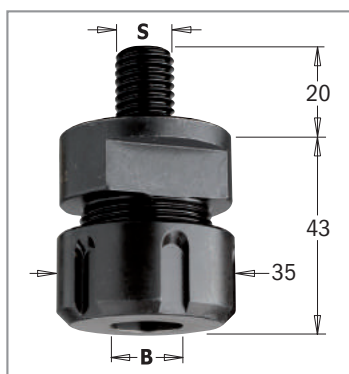


699

D mm	B mm	PACK QTY.	ORDER NO.	D mm	B mm	PACK QTY.	ORDER NO.
19,05	12,7	10	699.019.13	35	32	10	699.035.32
25,4	19,05	10	699.026.19	40	30	10	699.040.30
30	19,05	10	699.030.19	40	32	10	699.040.32
30	25,4	10	699.030.26	40	35	10	699.040.35
31,75	19,05	10	699.031.19	50	30	1	699.050.30
31,75	25,4	10	699.031.26	50	32	1	699.050.32
31,75	30	10	699.031.30	50	35	1	699.050.35
35	30	10	699.035.30	50	40	1	699.050.40
35	31,75	10	699.035.31				

For use only paired.

Chucks & "ER20" Collets for Spindle Moulder Machine



796

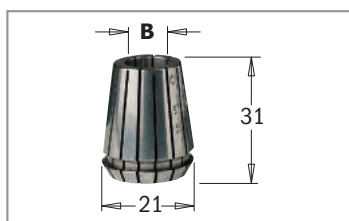
S mm	B mm	L mm	PACK QTY.	ORDER NO.
M12x1,75	3 ~ 12,7	43	10	796.122.00
M14x2	3 ~ 12,7	43	10	796.142.00
M16x2	3 ~ 12,7	43	10	796.162.00

Spare parts 992.483.03 M25x1,5mm clamping nut
991.483.00 "ER20" key

TECHNICAL DETAILS:
Super strength steel.
Precisely machined for accuracy.

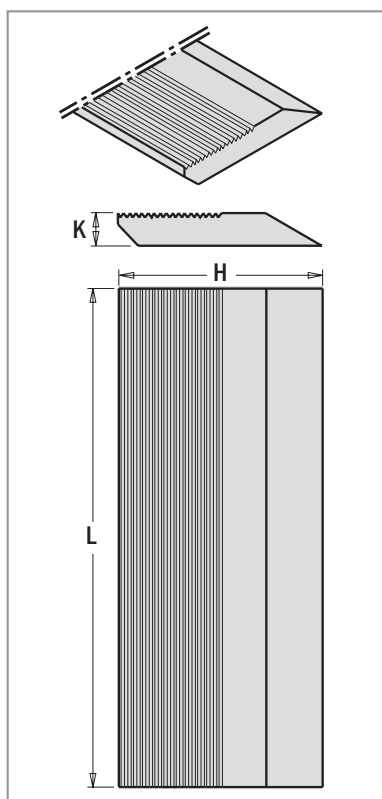
Collet not included.

"ER20" Precision Collets for 796.122/142/162 Items



184

B mm	PACK QTY.	ORDER NO.	B mm	PACK QTY.	ORDER NO.
2	10	184.020.20	8	10	184.080.20
3	10	184.030.20	9	10	184.090.20
4	10	184.040.20	10	10	184.100.20
5	10	184.050.20	11	10	184.110.20
6	10	184.060.20	12	10	184.120.20
6,35	10	184.064.20	12,7	10	184.127.20
7	10	184.070.20	13	10	184.130.20



IN QUADROPACK PACKAGING
4 KNIVES FOR EACH SET

MATERIAL	HSS
Dry softwood	●
Wet softwood	●
Dry hardwood	●
Wet hardwood	○

- Suitable
- Party suitable

793

L mm	H mm	K mm	ORDER NO. pieces for each set	PACK Qty.	ORDER NO. HSS
40 x	50 x	8	4	1	793.040.50
40 x	60 x	8	4	1	793.040.60
40 x	70 x	8	4	1	793.040.70
60 x	50 x	8	4	1	793.060.50
60 x	60 x	8	4	1	793.060.60
60 x	70 x	8	4	1	793.060.70
80 x	50 x	8	4	1	793.080.50
80 x	60 x	8	4	1	793.080.60
80 x	70 x	8	4	1	793.080.70
100 x	50 x	8	4	1	793.100.50
100 x	60 x	8	4	1	793.100.60
100 x	70 x	8	4	1	793.100.70
120 x	50 x	8	4	1	793.120.50
120 x	60 x	8	4	1	793.120.60
120 x	70 x	8	4	1	793.120.70
130 x	60 x	8	4	1	793.130.60
130 x	70 x	8	4	1	793.130.70
650 x	40 x	8	4	1	793.650.40
650 x	50 x	8	4	1	793.650.50
650 x	60 x	8	4	1	793.650.60
650 x	70 x	8	4	1	793.650.70

REMARK: special dimensions available on request.

TECHNICAL DETAILS:

Corrugated back moulder knives for profile cutter heads with precise positioning, angle 60°, pitch 1,6mm.



Set of 2 Magnetic Knife Setting Jigs

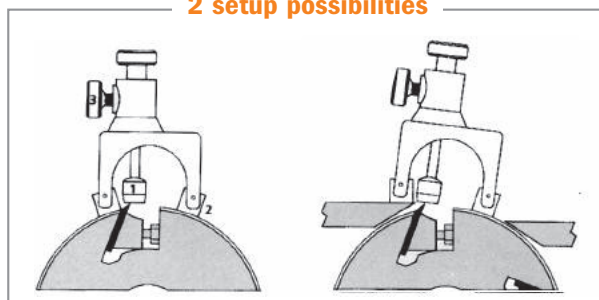
Insert your knives into the tool holders and align them perfectly with this set! Perfect micro adjustments on will guarantee excellent cutting performance!

1. MAGNETIC STOP
2. JOINTS WITH MAGNETIC CONNECTORS
3. LOCK SCREW

CMT792



2 setup possibilities

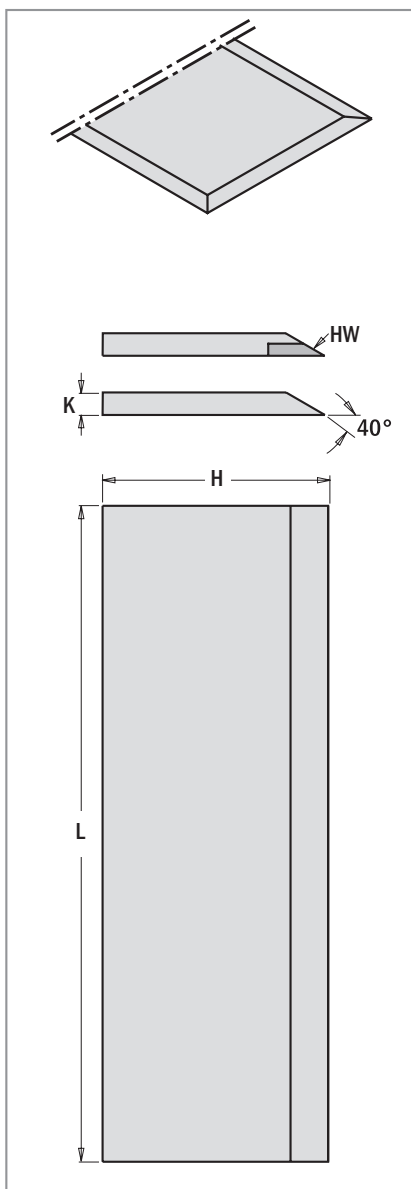


Positioning on the tool holder body with detection of the knife position.

Direct positioning on both the planer table and the tool holder body with detection of the knife position.

DESCRIPTION	PACK Qty.	ORDER NO.
Set of 2 magnetic knife setting jigs	25	CMT792

Supplied in a solid wooden box



IN QUADROPACK PACKAGING
2 KNIVES FOR EACH SET

792

L mm	H mm	K mm	KNIVES pieces for each set	PACK Qty.	ORDER NO. SP	ORDER NO. HSS	ORDER NO. HW
120 x	30 x	3	2	1		792.120.30	
130 x	30 x	3	2	1	792.131.30	792.130.30	792.132.30
150 x	30 x	3	2	1		792.150.30	
180 x	30 x	3	2	1	792.181.30	792.180.30	792.182.30
200 x	30 x	3	2	1	792.201.30	792.200.30	
210 x	30 x	3	2	1	792.211.30	792.210.30	
230 x	30 x	3	2	1	792.231.30	792.230.30	792.232.30
250 x	30 x	3	2	1	792.251.30	792.250.30	792.252.30
260 x	30 x	3	2	1	792.261.30	792.260.30	792.262.30
300 x	30 x	3	2	1	792.301.30	792.300.30	792.302.30
310 x	30 x	3	2	1	792.311.30	792.310.30	792.312.30
350 x	30 x	3	2	1	792.351.30	792.350.30	792.352.30
400 x	30 x	3	2	1	792.401.30	792.400.30	792.402.30
410 x	30 x	3	2	1	792.411.30	792.410.30	792.412.30
430 x	30 x	3	2	1	792.431.30	792.430.30	792.432.30
450 x	30 x	3	2	1	792.451.30	792.450.30	792.452.30
500 x	30 x	3	2	1	792.501.30	792.500.30	792.502.30
510 x	30 x	3	2	1	792.511.30	792.510.30	792.512.30
520 x	30 x	3	2	1	792.521.30	792.520.30	792.522.30
530 x	30 x	3	2	1	792.531.30	792.530.30	792.532.30
600 x	30 x	3	2	1	792.601.30	792.600.30	792.602.30
610 x	30 x	3	2	1	792.611.30	792.610.30	792.612.30
630 x	30 x	3	2	1	792.631.30	792.630.30	792.632.30
640 x	30 x	3	2	1		792.640.30	
710 x	30 x	3	2	1		792.710.30	
810 x	30 x	3	2	1	792.811.30	792.810.30	792.812.30
1050 x	30 x	3	2	1	792.998.30	792.997.30	792.999.30
300 x	35 x	3	2	1		792.300.35	
310 x	35 x	3	2	1	792.311.35		
350 x	35 x	3	2	1	792.351.35	792.350.35	
400 x	35 x	3	2	1	792.401.35	792.400.35	
410 x	35 x	3	2	1	792.411.35	792.410.35	
430 x	35 x	3	2	1		792.430.35	
450 x	35 x	3	2	1	792.451.35	792.450.35	
500 x	35 x	3	2	1	792.501.35	792.500.35	
510 x	35 x	3	2	1	792.511.35	792.510.35	
520 x	35 x	3	2	1	792.521.35	792.520.35	
530 x	35 x	3	2	1	792.531.35	792.530.35	
550 x	35 x	3	2	1	792.551.35	792.550.35	
600 x	35 x	3	2	1	792.601.35	792.600.35	
610 x	35 x	3	2	1	792.611.35	792.610.35	
630 x	35 x	3	2	1	792.631.35	792.630.35	
650 x	35 x	3	2	1	792.651.35	792.650.35	
710 x	35 x	3	2	1		792.710.35	
810 x	35 x	3	2	1	792.811.35	792.810.35	
820 x	35 x	3	2	1	792.821.35		
1050 x	35 x	3	2	1	792.998.35	792.997.35	

REMARK: special dimensions available on request.

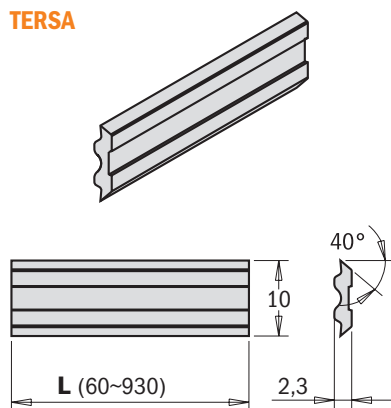
The mirror finish on HW knives produces both razor sharp and extremely durable cutting edges.



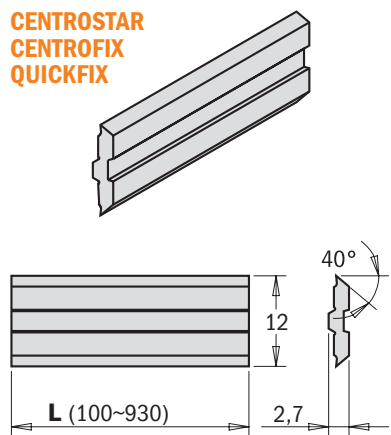
MATERIAL	SP	HSS	HW
Dry softwood	○	●	
Wet softwood	○	○	
Dry hardwood	○	●	●
Wet hardwood	○	●	○
Chipboard			○
MDF			○
Glulam		○	●
Solid surface			○

- Suitable
- Party suitable

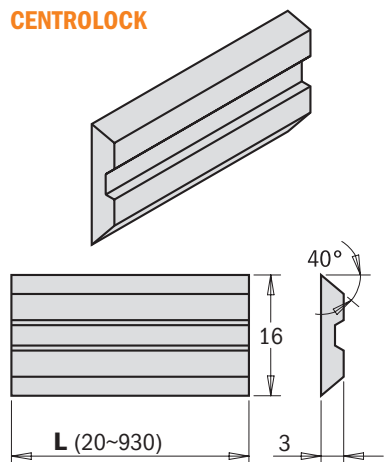
TERSA



CENTROSTAR CENTROFIX QUICKFIX



CENTROLOCK



2 KNIVES FOR EACH SET

MATERIAL	GOOD	EXCELLENT
Dry Softwood		●
Wet Softwood		●
Dry Hardwood		●
Wet Hardwood		●
Exotic Hardwood	●	

795

TERSA				CENTROSTAR, CENTROFIX, QUICKFIX				CENTROLOCK			
L	H	K	ORDER NO.	L	H	K	ORDER NO.	L	H	K	ORDER NO.
mm	mm	mm		mm	mm	mm		mm	mm	mm	
80 x 10 x 2,3			795.080.10*					20 x 16 x 3			795.020.16*
100 x 10 x 2,3			795.100.10	100 x 12 x 2,7			795.100.12*	80 x 16 x 3			795.080.16*
110 x 10 x 2,3			795.110.10	110 x 12 x 2,7			795.110.12*				
120 x 10 x 2,3			795.120.10	120 x 12 x 2,7			795.120.12				
130 x 10 x 2,3			795.130.10	130 x 12 x 2,7			795.130.12	130 x 16 x 3			795.130.16
150 x 10 x 2,3			795.150.10	150 x 12 x 2,7			795.150.12	150 x 16 x 3			795.150.16
				160 x 12 x 2,7			795.160.12*				
170 x 10 x 2,3			795.170.10	170 x 12 x 2,7			795.170.12*	170 x 16 x 3			795.170.16
180 x 10 x 2,3			795.180.10	180 x 12 x 2,7			795.180.12	180 x 16 x 3			795.180.16
				190 x 12 x 2,7			795.190.12*	190 x 16 x 3			795.190.16
				200 x 12 x 2,7			795.200.12*				
210 x 10 x 2,3			795.210.10					210 x 16 x 3			795.210.16
				220 x 12 x 2,7			795.220.12*				
230 x 10 x 2,3			795.230.10	230 x 12 x 2,7			795.230.12	230 x 16 x 3			795.230.16
								235 x 16 x 3			795.235.16*
				240 x 12 x 2,7			795.240.12	240 x 16 x 3			795.240.16
250 x 10 x 2,3			795.250.10								
260 x 10 x 2,3			795.260.10					260 x 16 x 3			795.260.16
				270 x 12 x 2,7			795.270.12*	270 x 16 x 3			795.270.16
				280 x 12 x 2,7			795.280.12*				
300 x 10 x 2,3			795.300.10								
310 x 10 x 2,3			795.310.10	310 x 12 x 2,7			795.310.12	310 x 16 x 3			795.310.16
330 x 10 x 2,3			795.330.10*								
350 x 10 x 2,3			795.350.10	350 x 12 x 2,7			795.350.12*				
				360 x 12 x 2,7			795.360.12*				
400 x 10 x 2,3			795.400.10	400 x 12 x 2,7			795.400.12				
410 x 10 x 2,3			795.410.10	410 x 12 x 2,7			795.410.12				
420 x 10 x 2,3			795.420.10	420 x 12 x 2,7			795.420.12*				
430 x 10 x 2,3			795.430.10	430 x 12 x 2,7			795.430.12*				
450 x 10 x 2,3			795.450.10	450 x 12 x 2,7			795.450.12*				
500 x 10 x 2,3			795.500.10								
510 x 10 x 2,3			795.510.10	510 x 12 x 2,7			795.510.12				
520 x 10 x 2,3			795.520.10	520 x 12 x 2,7			795.520.12				
530 x 10 x 2,3			795.530.10	530 x 12 x 2,7			795.530.12*				
540 x 10 x 2,3			795.540.10								
610 x 10 x 2,3			795.610.10	610 x 12 x 2,7			795.610.12				
				620 x 12 x 2,7			795.620.12				
630 x 10 x 2,3			795.630.10	630 x 12 x 2,7			795.630.12				
635 x 10 x 2,3			795.635.10								
640 x 10 x 2,3			795.640.10	640 x 12 x 2,7			795.640.12				
650 x 10 x 2,3			795.650.10	650 x 12 x 2,7			795.650.12*				
710 x 10 x 2,3			795.710.10	710 x 12 x 2,7			795.710.12*				
				810 x 12 x 2,7			795.810.12*				
860 x 10 x 2,3			795.860.10*								
910 x 10 x 2,3			795.910.10*								
930 x 10 x 2,3			795.930.10	930 x 12 x 2,7			795.930.12*	930 x 16 x 3			795.930.16

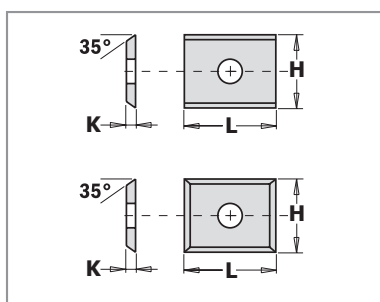
*While supplies last

TECHNICAL DETAILS:

HPS® was specially developed for the woodworking industry. The Thyssen-Krupp heat treatment division developed a special heat treatment system in a modern vacuum oven which gives this steel its special attributes and renders it an outstanding alternative to HSS steel. The main advantages are:

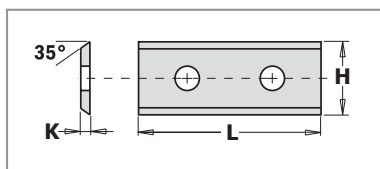
- superb wear resistance
- maximum level of toughness
- resistance to softening
- easy to profile
- long lasting tested

Test result: Wood=Oak, Spinadle speed=6000 rpm, feed=24 meter/min
= Result HPS® 17500 meters.
= Result HSS 10000 meters.



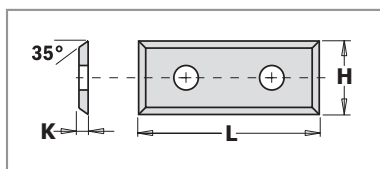
790 Standard Reversible Knives 2 Cutting Edges

L mm	H mm	K mm	A	ORDER NO. K1920	ORDER NO. K2250
7,5	12	1,5	35°	790.075.00	
7,65	12	1,5	35°	790.076.00	
9,6	12	1,5	35°	790.096.00	
15	12	1,5	35°	790.150.00	
19,5	12	1,5	4/35°	790.195.12	
20	12	1,5	35°	790.200.00	790.200.03



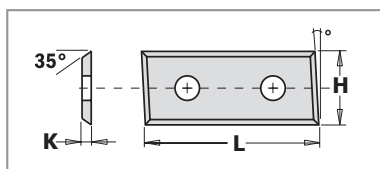
790 Standard Reversible Knives 2 Cutting Edges

L mm	H mm	K mm	A	ORDER NO. K1920	ORDER NO. K2250
24,7	12	1,5	35°	790.250.00	
30	12	1,5	35°	790.300.00	790.300.03
30	12	1,5	45°	790.300.20	
40	12	1,5	35°	790.400.00	790.400.03
50	12	1,5	35°	790.500.00	790.500.03
60	12	1,5	35°	790.600.00	790.600.03



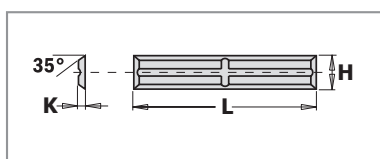
790 Standard Reversible Knives 4 Cutting Edges

L mm	H mm	K mm	A	ORDER NO. K1920	ORDER NO. K2250
29,5	9	1,5	35°	790.295.09	
29,5	12	1,5	35°	790.295.12	
39,5	9	1,5	35°	790.395.09	
39,5	12	1,5	35°	790.395.12	
49,5	9	1,5	35°	790.495.09	
49,5	12	1,5	35°	790.495.12	



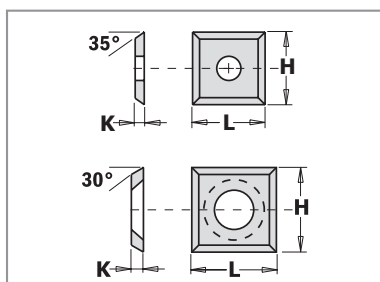
790 Standard Reversible Knives 4 Cutting Edges

L mm	H mm	K mm	A	ORDER NO. K1920	ORDER NO. K2250
28,3	12	1,5	35°	790.283.12	
48,3	12	1,5	35°	790.483.12	



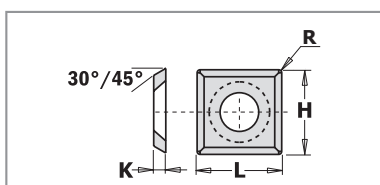
790 Standard Reversible Knives 4 Cutting Edges

L mm	H mm	K mm	A	ORDER NO. K1920	ORDER NO. K2250
20	4,1	1,1	35°	790.200.01	
30	5,5	1,1	35°	790.300.01	
50	5,5	1,1	35°	790.500.01	



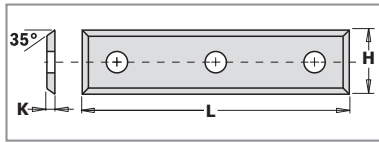
790 Standard Reversible Knives 4 Cutting Edges

L mm	H mm	K mm	A	ORDER NO. K1920	ORDER NO. K2250
12	12	1,5	35°	790.120.00	790.120.03
13,6	13,6	2	30°	790.136.00	
14	14	1,2	30°	790.140.10	
14	14	2	30°	790.140.00	790.140.03
14	14	2	45°	790.140.02	



790 Standard Reversible Knives 4 Cutting Edges

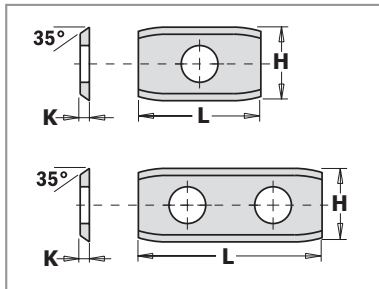
L mm	H mm	K mm	A	ORDER NO. K1920	ORDER NO. K2250
14	14	2	R/30°	790.140.20	



790 Standard Reversible Knives 4 Cutting Edges

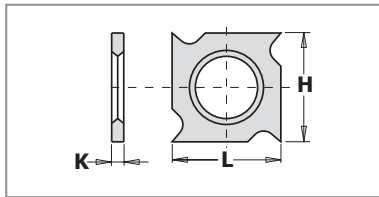


L mm	H mm	K mm	A	ORDER NO. K1920	ORDER NO. K2250
50	9	1,5	35°	790.500.09	



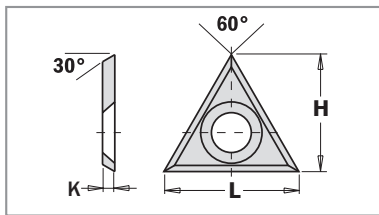
790 Standard Reversible Knives 2 Cutting Edges

L mm	H mm	K mm	A	ORDER NO. K1920	ORDER NO. K2250
20	12	1,5	35°	790.201.00	
30	12	1,5	35°	790.301.00	
50	12	1,5	35°	790.501.00	



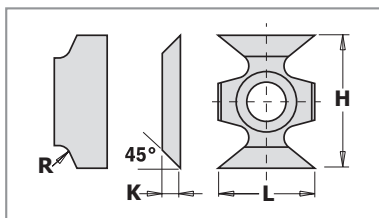
790 Standard Reversible Knives 4 Cutting Edges

L mm	H mm	K mm	A	ORDER NO. K1920	ORDER NO. K2250
18	18	1,95		790.181.00	
18	18	2,45		790.182.00	



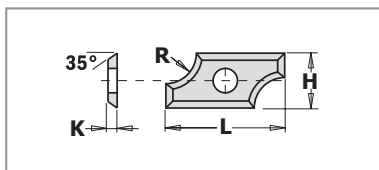
790 Standard Reversible Knives 30°

L mm	H mm	K mm	A	ORDER NO. K1920	ORDER NO. K2250
22	19	2	30°	790.220.02	



790 Edge Rounding/Chamfering Reversible Knives

L mm	H mm	K mm	R mm	A	ORDER NO. K1920	ORDER NO. K2250
16	22	5	1,5		790.161.00	
16	22	5	2		790.162.00	
16	22	5	3		790.163.00	
16	22	5		45°	790.160.00	



790 Profiled Rounding Reversible Knives 4 Cutting Edges

L mm	H mm	K mm	R mm	A	ORDER NO. K1920	ORDER NO. K2250
19,5	9	1,5	2	35°	790.020.00	
19,5	9	1,5	3	35°	790.030.00	
19,5	9	1,5	5	35°	790.050.00	
24	12	1,5	6,4	35°	790.064.00	
24	12	1,5	8	35°	790.080.00	

MATERIAL	K1920	K2250
Softwood	★★★★★	
Hardwood	★★★★★	
Chipboard	★★★★★	★★★★★
MDF	★★★★★	★★★★★
HDF	★★★★★	★★★★★
Plastics	★★★	★★★★★
Solid Surface		★★★★★

★★★★★ Excellent
★★★★ Very Good
★★★ Good

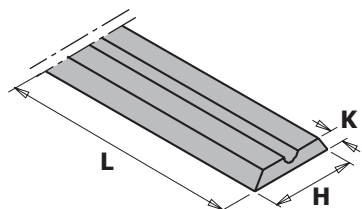
TECHNICAL DETAILS:

K1920 Hardness (HV10): 1.920 - Transverse rupture strength (N/mm²): 2.600
New chrome grade for universal cutting applications. Excellent resistance to corrosion, oxidation and mechanical wear. High efficiency, 20% longer lifetime compared to standard grade.

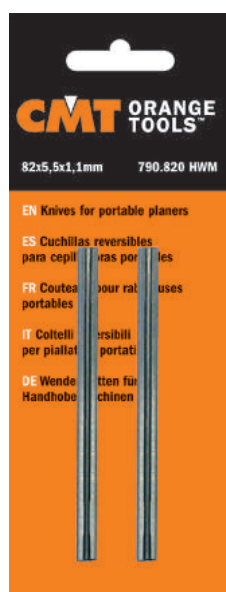
K2250 Hardness (HV10): 2.250 - Transverse rupture strength (N/mm²): 2.400
New nano-grain grade for maximum wear resistance. Higher efficiency due to improved tool life-time. Improved toughness.

All knives are supplied in a 10 pc. case.
Minimum 10 piece or multiple of 10 piece order.





10-PCS. CASE (minimum order)



2-PCS. BLISTER CASE

(790.755/790.780/790.806/790.805/790.820)



2-PCS. BLISTER CASE

790

L mm	H mm	K mm	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	790.755.00
			Black & Decker	DN75, 750SR, 600K		
			Bosch	0590, P400, 1590, 1591		
			Festool	REP75		
			Haffner	FH222		
			Holz-Her	2223, 2286, 2320		
			Kress	Jet-Star 6701, 6702		
			Mafell	HU75		
			Metabo	6375		
			Scheer	MH75/3, MH80		
			Skil	98H		
78,0 x 5,5 x 1,1			Virutex		790.780	790.780.00
80,5 x 5,9 x 1,2			Elu	MFF40, MFF80, MFF81, MFF81EK, PF161	790.806	790.805.00
80,5 x 5,5 x 1,1			Elu Aeg, Bosch Haffner	MFF80	790.805	790.805.01
82,0 x 5,5 x 1,1			Aeg	EH82, EH825, EH822, EH450, EH700, EH82-1, H500, H750, EH700R	790.820	790.820.00
			Black & Decker	DN76		
			Bosch	PHO 100/150, PHO 200/300 4387, PHO 2-82/3-82, Gustav, 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		
			Peerles	HHB82B		
			Peugeot	RA400, 82RAC, RA82CS, BR82 BRA1-82, BRA3-82, RA1082CA		
			Ryobi	L1323-A		
			Skil	H92, H94, H95, H96, H97 1506, 1510		
			Stayer	980B		
92,0 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

L mm	H mm	K mm	MACHINE	MODEL MACHINE	ORDER NO. 2-pcs. HSS	ORDER NO. 2-pcs. HW
82,0 x 29 x 3			Bosch	GH020-82	790.821.50	790.821.10
			B&D	DN710, DB711		
			Makita	1900B, 1923B, 1100, 1901 1125		
			Ryobi	L-1323A, L-282		

new

TECHNICAL DETAILS:

- Order no. ISO: K40
- Hardness (HV10): 1.400
- Transverse rupture strength (N/mm²): 2.600

APPLICATION:

- Softwood Good
- Hardwood Suitable
- Plywood Suitable

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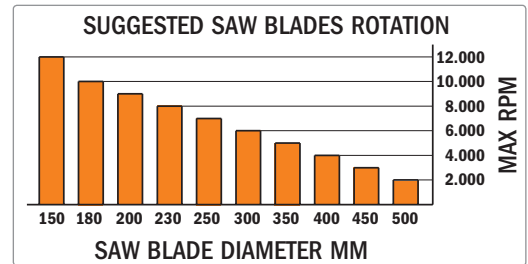
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800.623	200	835.001	166	855.901	205	881.511	220	901B	152
800.624	231	835.503	164	855.902	205	881.512	220	902	153
800.625	231	835.990	164	856.501	205	881.521	217	903	187
800.626	169	836	188	856.601	208	881.531	219	904	187
800.627	227	837	191	856.701	208	881.541	218	905	187
800.628	227	838	194, 215	856.702	208	890	212	906	158-159
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918	180-181	955.510	179	980.541	216	CMT333-325	350	JS610VF	65
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927	192	956.601	208	981.541	218	DET-001	359	JS922EF	66
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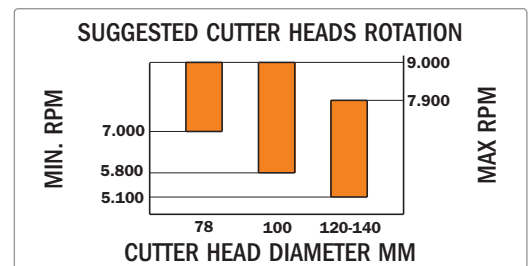
Saw blade safety

- 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 workpiece 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 is plugged in.
- NEVER** make adjustments to any saw while the blade is rotating.



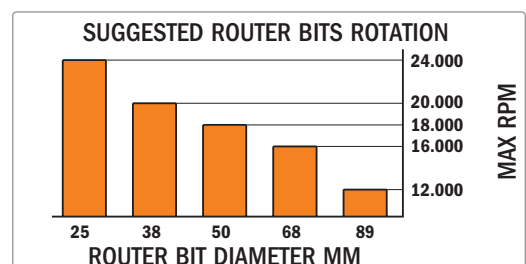
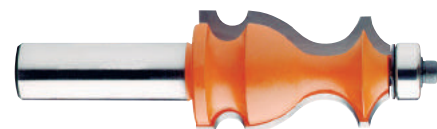
Cutter head safety

- 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 workpiece 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 rotating.



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 > 10mm) 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 tools, even suspiciously defective.
- NEVER** force the shank entirely into the collet (bottoming out). Leave about a 3,2mm (1/8") space from the bottom.
- NEVER** force the bit into your router or overload the router.



Conversion Table

Inch Decimals	Inch Fractions (x)						Millimeters					
	1/64	1/32	1/16	1/8	1/4	1/2	mm	1" + (x)	2" + (x)	3" + (x)	4" + (x)	5" + (x)
								25.400	50.800	76.200	101.600	127.000
0.015625	1/64						0.397	25.797	51.197	76.597	101.997	127.397
0.031250		1/32					0.794	26.194	51.595	76.994	102.394	127.794
0.046875	3/64						1.191	26.591	51.991	77.391	102.791	128.191
0.062500			1/16				1.588	26.988	52.388	77.788	103.188	128.588
0.078125	5/64						1.984	27.384	52.784	78.184	103.584	128.984
0.093750		3/32					2.381	27.781	53.181	78.581	103.981	129.381
0.109375	7/64						2.778	28.178	53.578	78.978	104.378	129.778
0.125000				1/8			3.175	28.575	53.975	79.375	104.775	130.175
0.140625	9/64						3.572	28.972	54.372	79.772	105.172	130.572
0.156250		5/32					3.969	29.369	54.769	80.169	105.569	130.969
0.171875	11/64						4.366	29.766	55.166	80.568	105.966	131.366
0.187500			3/16				4.762	30.162	55.562	80.962	106.362	131.762
0.203125	13/64						5.159	30.559	55.959	81.359	106.759	132.159
0.218750		7/32					5.556	30.956	56.356	81.756	107.156	132.556
0.234375	15/64						5.953	31.353	56.753	82.153	107.553	132.953
0.250000					1/4		6.350	31.750	57.150	82.550	107.950	133.350
0.265625	17/64						6.747	32.147	57.547	82.947	108.347	133.747
0.281250		9/32					7.144	32.544	57.944	83.344	108.744	134.144
0.296875	19/64						7.541	32.941	58.341	83.741	109.141	134.541
0.312500			5/16				7.938	33.338	58.738	84.138	109.538	134.938
0.328125	21/64						8.334	33.734	59.134	84.534	109.934	135.334
0.343750		11/32					8.731	34.131	59.531	84.931	110.331	135.731
0.359375	23/64						9.128	34.528	59.928	85.328	110.728	136.128
0.375000				3/8			9.526	34.925	60.325	85.725	111.125	136.525
0.390625	25/64						9.922	35.322	60.722	86.122	111.522	136.922
0.406250		13/32					10.319	35.719	61.119	86.519	111.919	137.319
0.421875	27/64						10.716	36.116	61.516	86.916	112.316	137.716
0.437500			7/16				11.112	36.512	61.912	87.312	112.712	138.112
0.453125	29/64						11.509	36.909	62.309	87.709	113.109	138.509
0.468750		15/32					11.906	37.306	62.706	88.106	113.506	138.906
0.484375	31/64						12.303	37.703	63.103	88.503	113.903	139.303
0.500000						1/2	12.700	38.100	63.500	88.900	114.300	139.700
0.515625	33/64						13.097	38.497	63.897	89.297	114.697	140.097
0.531250		17/32					13.494	38.894	64.294	89.694	115.094	140.494
0.546875	35/64						13.891	39.291	64.691	90.091	115.491	140.891
0.562500			9/16				14.288	39.688	65.088	90.488	115.888	141.288
0.578125	37/64						14.684	40.084	65.484	90.884	116.284	141.684
0.593750		19/32					15.081	40.481	65.881	91.281	116.681	142.081
0.609375	39/64						15.478	40.878	66.278	91.678	117.078	142.478
0.625000				5/8			15.875	41.275	66.675	92.075	117.475	142.875
0.640625	41/64						16.272	41.672	67.072	92.472	117.872	143.272
0.656250		21/32					16.669	42.069	67.469	92.869	118.269	143.669
0.671875	43/64						17.066	42.466	67.866	93.266	118.666	144.066
0.687500			11/16				17.462	42.862	68.262	93.662	119.062	144.462
0.703125	45/64						17.859	43.259	68.659	94.059	119.459	144.859
0.718750		23/32					18.256	43.656	69.056	94.456	119.856	145.256
0.734375	47/64						18.653	44.053	69.453	94.855	120.253	145.653
0.750000					3/4		19.050	44.450	69.850	95.250	120.650	146.050
0.765625	49/64						19.447	44.847	70.247	95.647	121.047	146.447
0.781250		25/32					19.844	45.244	70.644	96.044	121.444	146.844
0.796875	51/64						20.241	45.641	71.041	96.441	121.841	147.241
0.812500			13/16				20.638	46.038	71.438	96.838	122.238	147.638
0.828125	53/64						21.034	46.434	71.834	97.234	122.634	148.034
0.843750		27/32					21.431	46.831	72.231	97.631	123.031	148.431
0.859375	55/64						21.828	47.228	72.628	98.028	123.428	148.828
0.875000				7/8			22.225	47.625	73.025	98.425	123.825	149.225
0.890625	57/64						22.622	48.022	73.422	98.822	124.222	149.622
0.906250		29/32					23.019	48.419	73.819	99.219	124.619	150.019
0.921875	59/64						23.416	48.816	74.216	99.616	125.016	150.416
0.937500			15/16				23.812	49.212	74.612	100.012	125.412	150.812
0.953125	61/64						24.209	49.609	75.009	101.409	126.809	152.209
0.968750		31/32					24.606	50.000	75.406	100.806	126.206	151.606
0.984375	63/64						25.003	50.403	75.803	101.203	126.603	152.003

Explanation of symbol

HV10 Hardness Vickers 10kg (HV10)		N/mm ² Transverse rupture strength (expressed in N/mm ²)	
	Tungsten carbide tipped		Solid tungsten carbide
	High speed steel		High performance steel
	Bimetal		TiN coated bimetal with 8% cobalt teeth
	Polycrystalline diamond		Polycrystalline diamond
	One cutting edge HW		Two cutting edges HW
	One HW + one cutting edges HW		Two HW + two cutting edges HW
	Two HW + one cutting edges HW		Three cutting edges HW with chipbreaker
	Four spur		Right-hand rotation
	Antikick-back		Radial relief
	Mechanical feed		Manual feed
	Slooting		Spiral boring
	Plastic box for cutter head		Plastic carry case for saw blades
	ORANGE CHROME		High-Density Carbide
	Shear Angle Grind		Saw blade with dampening slots with fill
	Warning		Warning! Flammable material!
	Wear safety glasses		Wear ear protection
			Wear safety shoes
			Wear dust mask
			Wear safety helmet
			Wear five finger gloves
			Wear safety glasses
			Wear ear protection
			Wear safety shoes
			Wear dust mask
			Wear safety helmet
			Wear five finger gloves

Conditions of trading

PREMISE

C.M.T. products are the result of technological innovation achieved through continuous research applied on a vast scale. Drawings, technical data, photos of the products and packaging are supplied for the sole purpose of informing the customer and are not binding in any manner. **C.M.T.** may undertake, when necessary, modifications and improvements without applying these innovations to the parts already supplied. The operational tolerances conform to technical standards that are acceptable for this range of tools.

ACCEPTANCE OF THE CONTRACT

All orders for our products are meant to be accepted at the price and sale conditions that are legally in force at the date of delivery.

Every order will be treated and supplied according to the following general sale conditions. By placing an order or accepting an offer, the customer accepts, without any reservations, all conditions expressly mentioned hereafter.

Any other derogation will only be accepted upon written consent by **C.M.T.** All other cases not contained within these conditions will fall under the Italian Civil Code.

Offers and order confirmations will be processed according to stock availability. Any order, even those taken by our representative agents, will be subject to our acceptance, which could also be a partial one.

We will notify the acceptance of any order by an order confirmation in which we will indicate all details pertaining to the items purchased, their price and expected delivery date. Therefore, we will not be able to accept any modification after three working days from the date of receipt.

MINIMUM AMOUNT ACCEPTABLE

C.M.T. will only be able to accept and process orders for a minimum net amount of € 100,00.

In case of acceptance of the order, we will add € 15,00 for shipping and handling.

PRICES

The prices stated in **C.M.T.'s** quotation and price lists are gross and are intended to be "ex-works".

Prices and VAT will be those in force at the date of shipping. To the best of our knowledge, the prices indicated in our catalogues, price lists and order confirmations are correct. However, **C.M.T.** cannot be held legally liable for reserving the right to change prices without notification in line with the manufacturer's cost increases.

DELIVERY

Delivery dates in the order confirmation are given as an indication of the estimated delivery time. They have to be considered as reliable only in case of normal operating conditions, and there shall be no liability on the part of the Seller for any failure to deliver due to causes beyond the Seller's control. **C.M.T.** will also not be able to accept any cancellation of existing orders which were not delivered in time due to external impediments. Standard products will be shipped within five working days from receipt of the order.

SHIPPING AND HANDLING

The packing of our products will be charged on the final invoice, while shipping is "ex-works" from our factory at Chiusa di Ginestreto (Pesaro).

All products supplied by **C.M.T.** travel at the customer's own risk.

C.M.T. retains the right to charge freight costs on the invoice in case of value under the minimum amount acceptable of €100,00.

C.M.T. will not be held responsible for any damage, theft or tampering that might occur during transport, and for which the forwarder will be legally liable according to article 1693 of the Civil Code. The customer, for his part, will have to check the goods at the moment of receipt and, in case any anomaly or damage is found, he will have to apply for a refund to be addressed to the forwarder.

PAYMENT

Cash payments can only be accepted for purchases done directly at the **C.M.T.** factory located in Chiusa di Ginestreto (Pesaro) in accordance with article 1182, sub-section 3 of the Civil Code, or upon delivery of the goods provided there is a written agreement between the parties.

Deferred methods of payment will have to be previously agreed with the Seller. In this case, if one or more instalments are not paid, the agreement will automatically expire according to article 1186 of the Civil Code.

A delay in payment, even partial, will automatically incur interest in the amount of an extra 5% to be charged to the customer's account.

In case of non payment, **C.M.T.** reserves the right to suspend any further supply of its products.

WARRANTY

All professional tools by **C.M.T.** are manufactured according to high standards of technology and are therefore warranted against any possible defect. This warranty does not cover damage or tampering which can be ascribed to inappropriate use. It is also not applicable for tools that have been re-sharpened.

This warranty does not cover the possible injuries resulting from inappropriate use of defective tools.

C.M.T. will repair or replace any goods which the buyer shall prove to have been defective in material or workmanship upon analysis by its technical department. Any complaint must be communicated within fifteen days from receipt of the goods together with a written form in which the customer provides a detailed description of the defect. Any return of tools will only be accepted upon authorisation by **C.M.T.** and the freight will be at the customer's own expense.

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