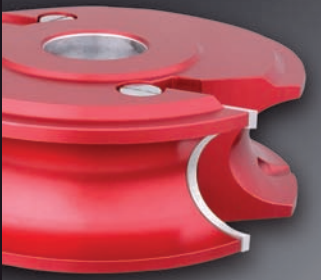


INDUSTRIAL TOOLING



trend[®]
industrial tooling

INDUSTRIAL TOOLING CATALOGUE



The New Industrial Range from Trend

The new Industrial Tooling range is a high quality, innovative range that has been developed specifically for the UK industrial woodworking market.

Trend has 50 years experience in the UK woodworking and routing market. With this expertise a comprehensive range of sawblades, spindle tooling, drilling tools and CNC machining tools have been developed to meet the demands of modern industry.

In addition new innovative products have been developed to provide further solutions.

MAX Sawblades are the ultimate sawing blades, see page 3.

They feature:

- Special dynamic balancing operation.
- Unique non-hammering straightening operation.
- Unique production documentation of every panel saw with full traceability.
- Unique sharpness from production that is twice the industry standard.
- Long lasting quality cut.
- Low noise level during operation.

LEADER is an innovative scoring system with cost saving benefits, see page 4. It features:

- Fully adjustable without the need for spacers.
- Easily adjustable width from 2.8mm - 3.6mm while still mounted to the spindle.
- Less down time than traditional blades.

ITEC Dowel Drills are the longest lasting dowel drills available for the most abrasive materials, see page 107. They feature:

- New grinding process giving high performance.
- The use of **DYNAMIC** carbide for the most abrasive of materials.

DYNAMIC carbide is the newest and highest performing carbide in the industry, see pages 120 - 121. It features:

- New advanced automated grinding technology that improves the carbides resistance to wear.
- Up to 200% longer life time when cutting abrasive materials.
- Cleaner cut than other existing carbides.
- Final results and life that makes it the most cost effective carbide today.

The Changing Market

The last 10 years has seen a movement away from heavy machinery to light and flexible production in the woodworking industry. In addition the availability of affordable CNC machinery and the introduction of new, abrasive, raw materials have put new challenges on manufacturers of woodworking tooling.

In order to meet these challenges, many changes and new technologies have been incorporated into our production processes:

- The modernisation of the manufacturing facility and the equipping of production lines with the modern, state-of-the-art technology. Production is fully automated, untouched by human hands manufacturing accurate unrivalled products. These machines have been custom built and designed to ensure the highest level of accuracy and precision.
- The development of **DYNAMIC** carbide that withstands the most abrasive of materials, giving the longest lifetime in the industry.
- The introduction and investment of an unrivalled laboratory to enable research and testing of tools during the production process.
- A unique modern fully automated process has been developed in the straightening, balancing and tensioning of our **MAX** sawblade range. The only manufacturer to do this in the industry.



For your nearest
Trend Industrial Stockist

CALL FREE ON

0800 487363

or use our search engine at
www.trend-uk.com

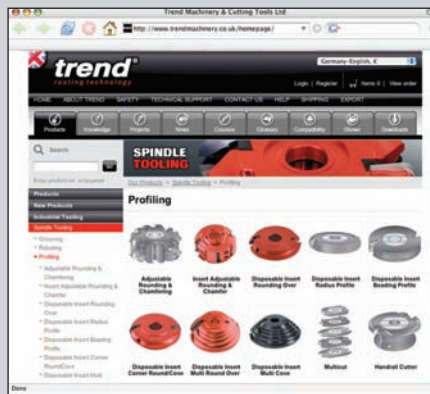
All our products are available from stockists around the UK. If your stockist does not have the products you require in stock, they can be supplied through your stockist for next day delivery.

Industrial Tooling On-line

Visit the website to find:

- Full product details
- Downloadable catalogue
- Downloadable price list

Visit: www.trend-uk.com



Warranty

All Trend products are guaranteed for one year from the original purchase date against any manufacturing defects leading to premature failure. The guarantee will not be valid when unauthorised repairs are made or attempted, when normal wear and tear has occurred or when the tool has been misused, improperly maintained or altered or if the product was stolen or is a counterfeit copy. A proof of purchase will be required.

This guarantee is in addition to and does not affect contractual rights as a professional user or your statutory rights as a private non-professional user. Customers must ensure that products are suitable for the purposes intended before use. Always make a test cut on scrap material. Trend cannot be held liable for any defects or damage caused by abuse or misuse of any products or unauthorised service of any product. We also cannot be held liable for materials rendered unusable or any form of consequential loss.

Important

The information in this catalogue is for general guidance purposes only. You are responsible for determining whether it applies to your particular application. Before using our products users must read and understand all safety legislation and refer to the Provision and Use of Work Equipment Regulations (PUWER). Before using our products please read and understand all instructions provided. Trend accessories must not be put into service until it has been established that the power tool being used is in compliance with 98/37/EC (identified by the CE marking).

Technical Support

Our Technical Support team, staffed by experienced engineers and former tradesmen, is available for practical advice on cutter selection, setting-up, jig-making and routing techniques. They also offer the leading design service for tooling made to order for specific applications.

For free Technical Support:

Tel: 01923 224681

(8.45am - 5.30pm Monday - Friday)

Fax: 01923 228657

Email: technical@trendm.co.uk

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Trend are members of the Saw Doctors Association, the leading trade organisation which promotes excellence in the manufacture and supply of woodworking cutting tools.



Trend are Full members of the Woodworking Machinery Suppliers Association, the leading association for the supply of wood working machinery and tooling.



Consistently high standards are guaranteed by strict quality control procedures and inspection by our quality controllers. Our quality system is BS EN ISO 9002 accredited which ensures we comply with international standards.

RS 28982

SAWBLADES

Trend's line of tungsten carbide tipped circular sawblades meet all the requirements of the modern woodworking industry.

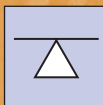
Suitable for:

- Panel sizing machines.
- Multi-rip machines.
- Horizontal panel sizing machines.
- Table sawing machines.
- Aluminium/uPVC cutting machines.

All sawblades are subjected to straightening, balancing and tensioning using a unique technology to ensure high cutting quality and longer lifetime.

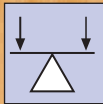
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Manufacturing Technology



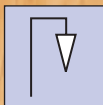
Balance

Geometrical balanced shape resulting in less vibration, better cutting quality, longer lifetime and noise reduction.



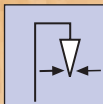
Dynamic Balancing

Unique balancing procedure according to ISO 1940 performed on special dedicated dynamic balancing machines, producing the best performance as a result of minimal vibration.



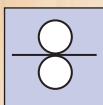
Straightening

Fully automatic process for straightening sawblades without hammering.



Dynamic Straightness

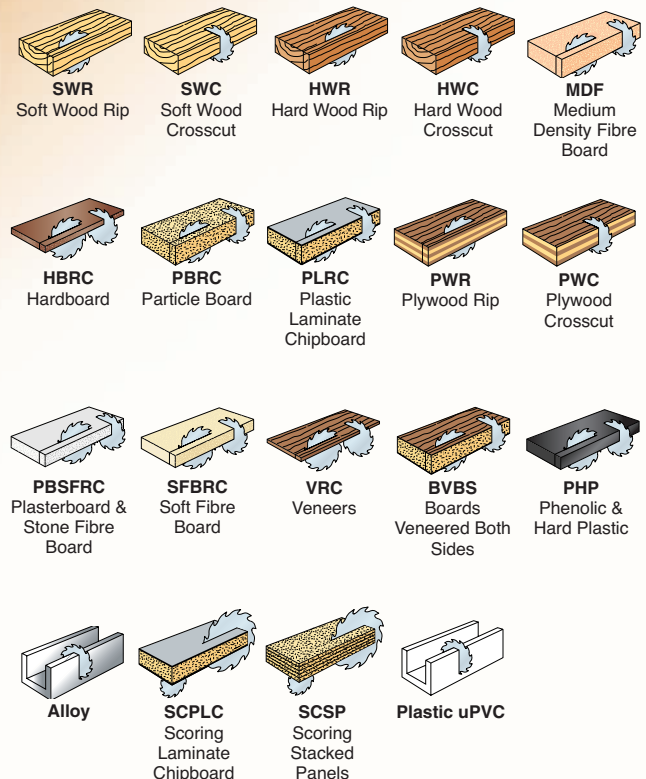
Fully automated, high performance, dynamic operation for straightening the sawblade, assuring long-lasting straightness and quality cutting for the lifetime of the blade even after re-sharpening.



Tensioning

Mechanical procedure that affects the internal material structure of the blade to improve stiffness.

Key to Sawblade Symbols



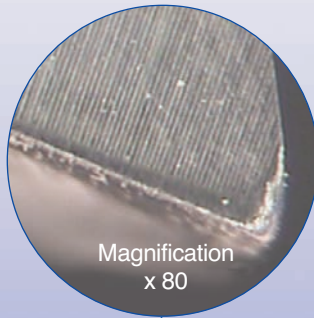
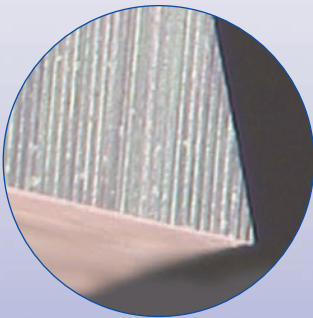


The Ultimate Sawing Blades

- Special dynamic balancing.
- Unique straightening operation.
- Long-lasting quality cut.
- Low noise level.
- Every panel saw documented with full traceability.
- Increased sharpness compared to industry standard.

Regular Tooth

MAX™ Tooth



Magnification
x 80

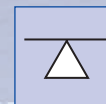
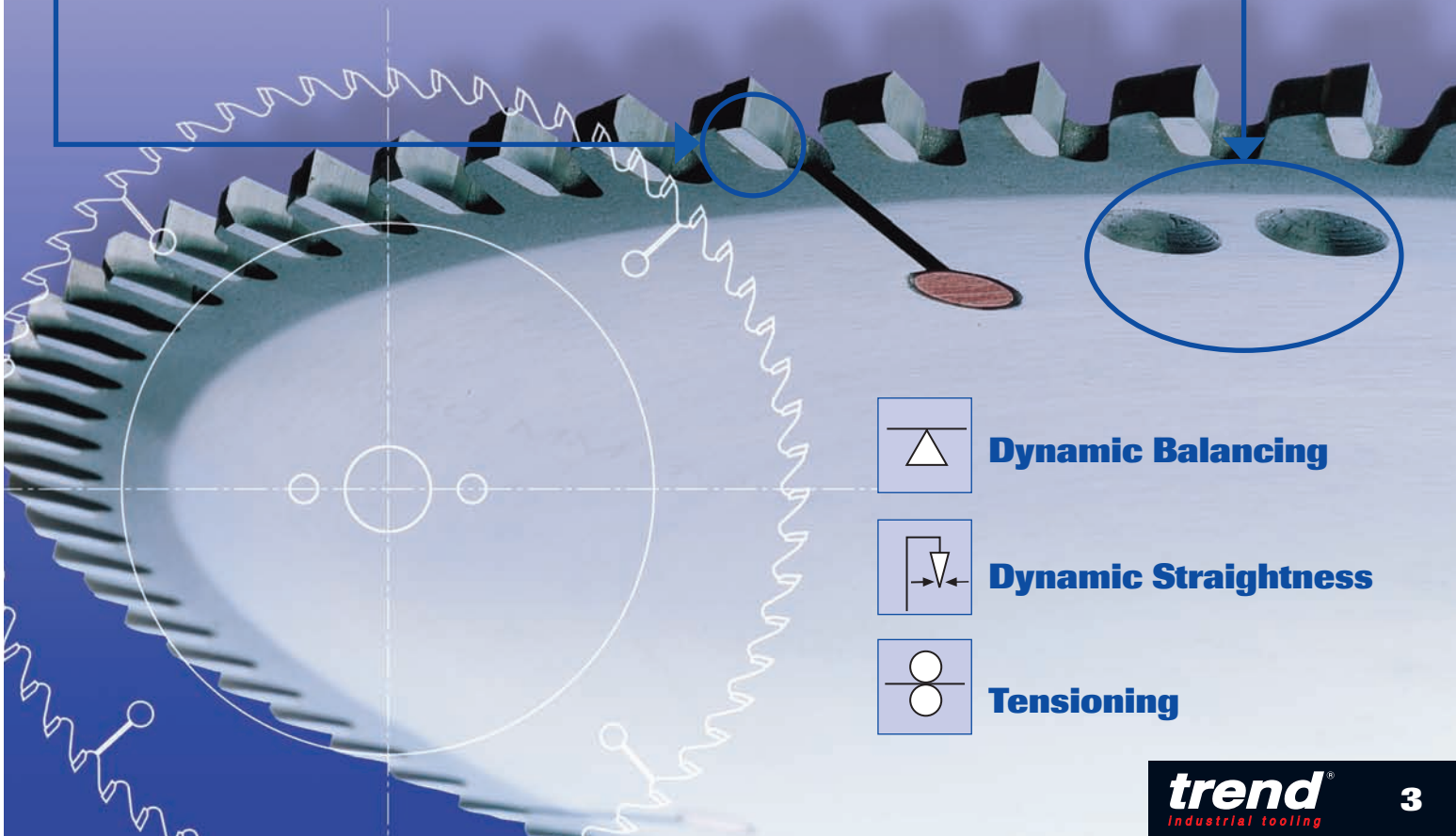
Magnification
x 80

100%

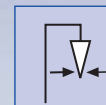
200%

Starting
Point

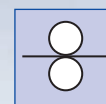
Dynamic Balancing Marks



Dynamic Balancing




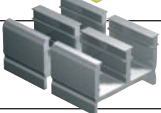


Dynamic Straightness



Tensioning


Determining Cutting Speed

Material	Cutting	Cutting Speed (m/sec)	
 Natural Wood	Soft Wood	along across	60 - 100 60 - 100
	Hard Wood	along	60 - 100
		across	60 - 100
	Veneers	along	70 - 100
		across	70 - 100
 Boards	Plywoods		50 - 80
	MDF		60 - 100
	Particle Board with PVC Coating		60 - 80
	Particle Board with Melamine Coating		60 - 80
	Particle Board with Veneer Coating		60 - 80
	High Pressure Laminated Particle Board		60 - 80
	Soft Fibre Board		70 - 100
	Cemented Bonded Board		50 - 80
 Plastics	Hard Paper / Hard Fibre		45 - 70
	Duroplastic® Board, Corian®		15 - 50
	High Pressure Laminated Bakelite®		30 - 70
	Thermoplastic Profiles		50 - 80
 Aluminium	Aluminium Profiles		40 - 70

LEADER™

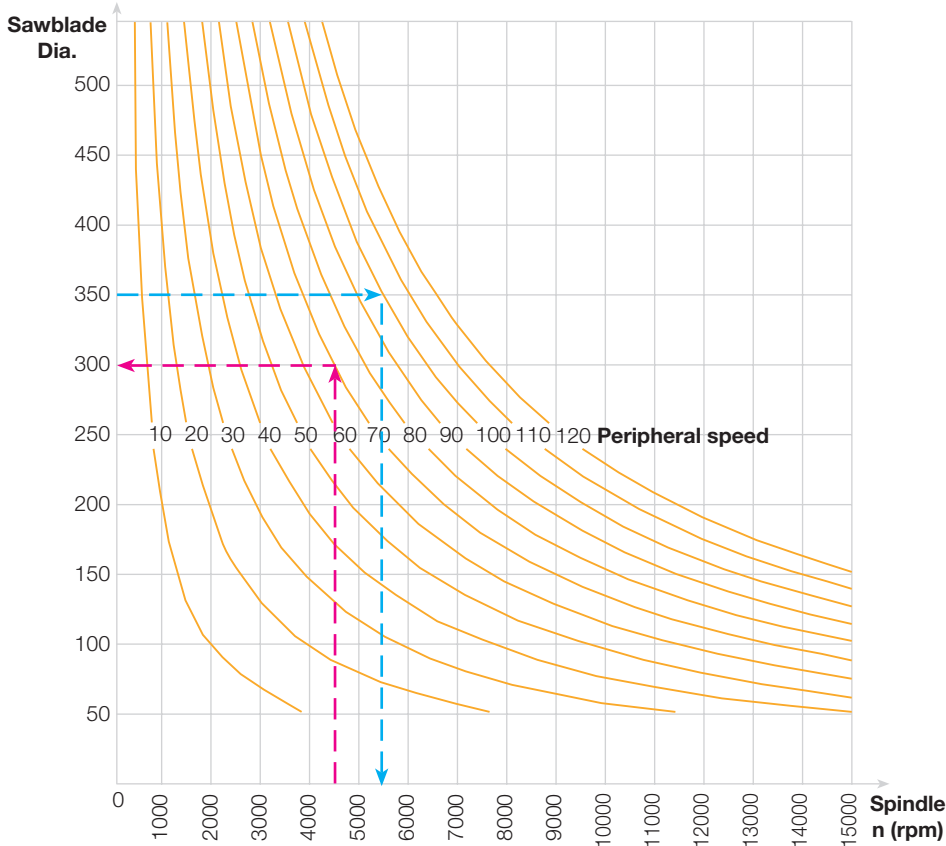
The Innovative Scoring System

- Unique patented blade
- Adjusts easily from 2.8mm - 3.6mm.
- Cost saving benefits.
- Fits all common machines - including Altendorf.

Look out for the  LEADER™ blades on page 29.

Eliminates the need for spacers, endless measuring, re-assembling, testing and adjusting to obtain the required width.

Determining Sawblade Diameter or RPM



$$n \text{ (rpm)} = \frac{1000 \times 60 \times V}{3.14 \times D}$$

n = Spindle rpm
V = Peripheral speed m/sec
D = Diameter mm

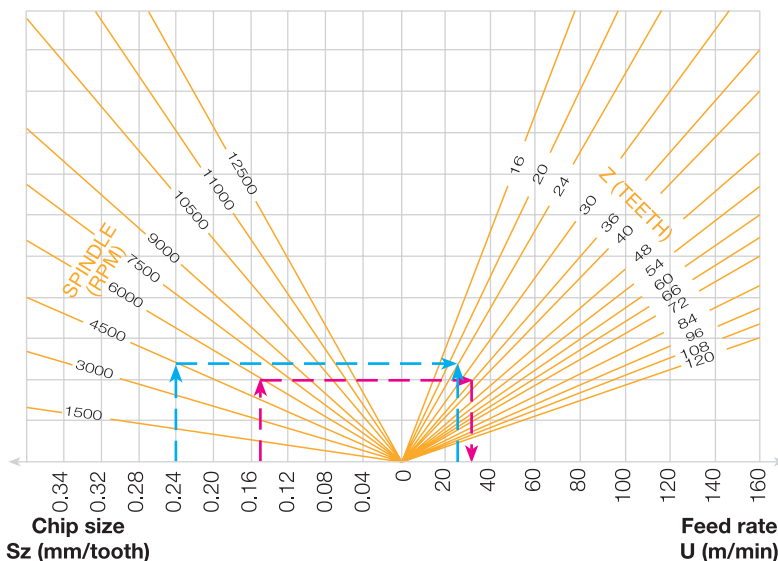
Example 1:

Determining the correct sawblade diameter to cut melamine-coated chipboard with a rpm of 4500 and a peripheral speed of 70m/sec. The correct blade diameter is 300mm.

Example 2:

Determining the correct machine rpm in order to cut at a peripheral speed of 100m/sec with a 350mm diameter sawblade. The correct rpm is 5500.

Determining Number of Teeth or Finding Feed Rate



Example 1:

Determining the Correct Feed Rate:
Solid wood - chip size 0.15
Spindle rpm - 6000
Number of teeth - 36
You should use a feed rate of - 32m/min

Example 2:

Determining Number of Teeth
Chipboard - chip size 0.24
Spindle rpm - 4500
Feed rate - 22m/min
Therefore the number of teeth = 24

Recommended Chip Size Sz (mm/tooth)

Material	Recommended Chip Size Sz (mm/tooth)
Solid wood	0.10 - 0.20
Chipboard and plywood	0.05 - 0.25
Boards with plastic lamination	0.03 - 0.06
Boards veneered on both sides	0.03 - 0.08
Hardboard	0.03 - 0.08
Duroplastic® boards	0.02 - 0.05
Thermoplastic boards	0.05 - 0.08

Sawblade Flanges

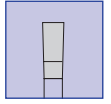
Sawblade Diameter	Sawblade Bore Diameter						
	30mm	40mm	60mm	80mm	100mm	120mm	150mm
180 ≤ 190	50/40	80/60	-	-	-	-	-
190 ≤ 300		80/60	120/90	140/110	-	-	-
300 ≤ 400		120/90		140/110	160/130	200/160	
400 ≤ 450		120/90		140/110	160/130	200/160	
450 ≤ 550			140/110		160/130	200/160	
550 ≤ 630			160/130			200/160	
630 ≤ 800				200/160			

The size of the flange is determined by the saw diameter and bore diameter.

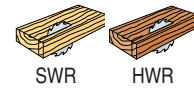
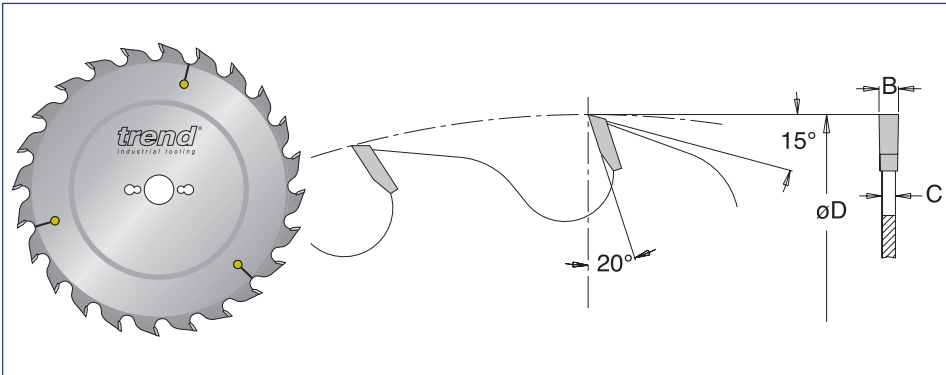


Rip Sawblades

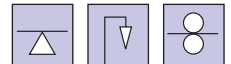
Flat tooth sawblade for rip cutting with a coarse finish on solid soft and hard woods. Suitable for use on a bench or table saw.



Solid Wood
Flat
Coarse Finish

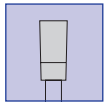


øD	Teeth	Product Ref.	B	C	keyways	ø bore
250	20	IT/901 00 30 6	3.2	2.2	-	30
250	24	IT/901 00 40 6	3.2	2.2	-	30
300	24	IT/901 00 50 6	3.2	2.2	-	30
300	24	IT/901 00 50 0	3.2	2.2	2/20x6	70
300	30	IT/901 00 60 6	3.2	2.2	-	30
350	28	IT/901 00 70 6	3.5	2.5	-	30
400	32	IT/901 00 80 6	3.5	2.5	-	30
450	32	IT/901 00 84 6	4.0	2.8	-	30
500	36	IT/901 00 85 6	4.4	3.0	-	30

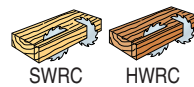
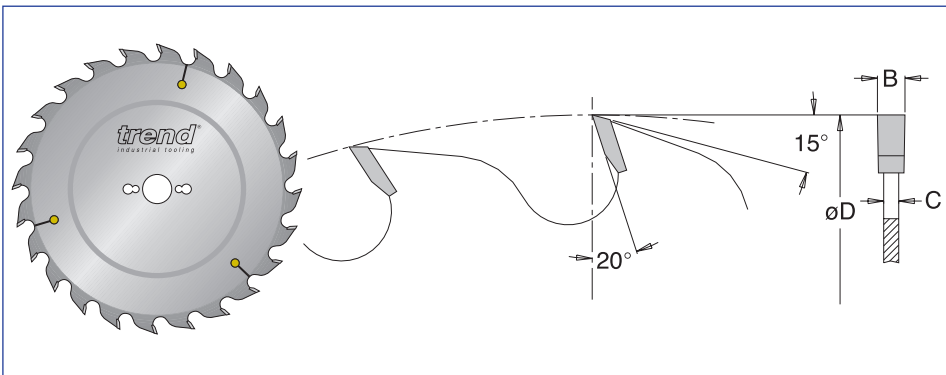


Rip Sawblades - Thicker Tip and Plate

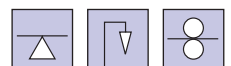
Flat tooth sawblade for rip and cross cutting with a coarse finish on solid soft and hard woods. Designed for heavy-duty applications with thicker saw plate and TC tips. Suitable for use on a table saw or multiple rip saw.

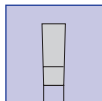


Solid Wood
Flat
Coarse Finish



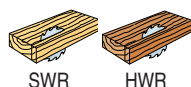
øD	Teeth	Product Ref.	B	C	ø bore
300	24	IT/901 20 20 6	4.0	2.8	30
300	24	IT/901 20 30 6	4.4	2.8	30
350	28	IT/901 20 60 6	4.0	2.8	30
350	28	IT/901 20 50 6	4.4	2.8	30
400	32	IT/901 21 10 6	4.0	3.0	30
400	32	IT/901 20 90 6	4.4	3.0	30





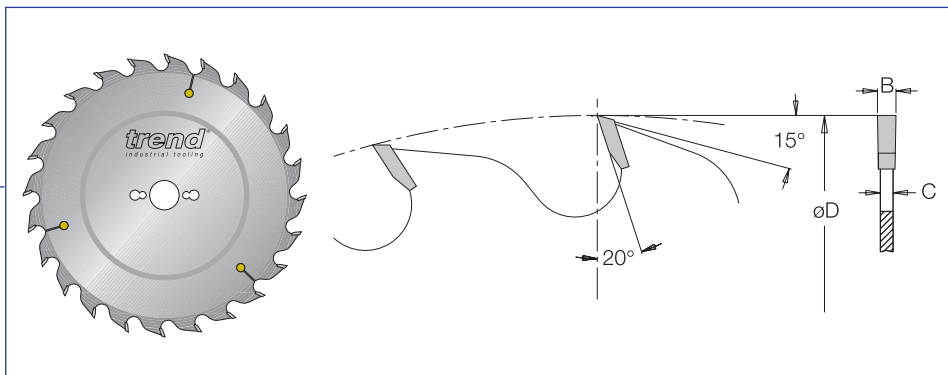
Solid Wood

Flat
Coarse Finish



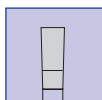
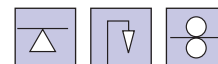
Rip Sawblades - Special for Wet Solid Wood

Flat tooth sawblade for rip cutting with a coarse finish on solid soft and hard woods. Blades use a special grade of carbide developed for wet wood. Suitable for use on a table saw or multiple rip saw.



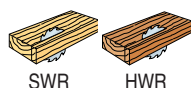
øD	Teeth	Product Ref.	B	C	keyways	ø bore
250	24	IT/910 00 40 6	3.2	2.2	-	30
300	24	IT/910 00 50 6	3.2	2.2	-	30
300	24	IT/910 00 50 0	3.2	2.2	2/20x6	70
350	28	IT/910 00 70 6	3.5	2.5	-	30
400	32	IT/910 00 80 6	3.5	2.5	-	30

⚠ A special carbide - suitable for cutting wet wood.



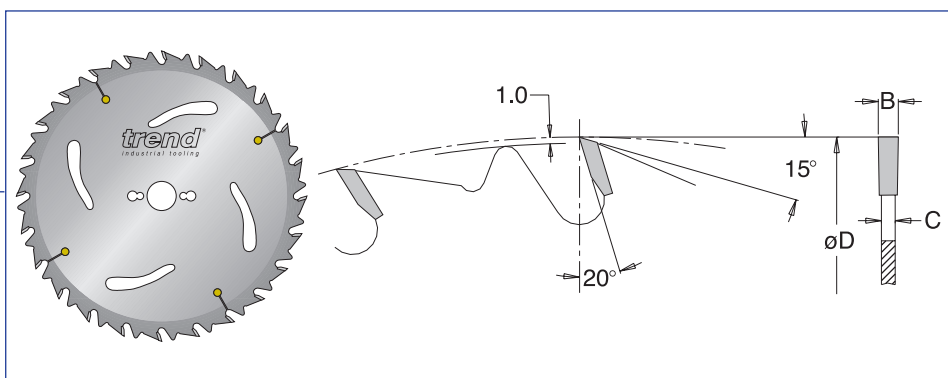
Solid Wood

Flat
Coarse Finish



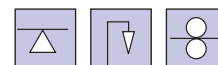
Rip Sawblades - Special for Wet Solid Wood

Flat tooth sawblade for rip cutting with a coarse finish on solid soft and hard woods. Anti kick back, chip limiter, design and cooling slots for continuous use, particularly in wet wood. Suitable for use on a table saw or multiple rip saw.



øD	Teeth	Product Ref.	B	C	keyways	ø bore
250	24	IT/910 00 95 6	3.2	2.2	-	30
300	24	IT/910 01 00 6	3.2	2.2	-	30
300	24	IT/910 01 00 0	3.2	2.2	2/20x6	70
350	28	IT/910 01 10 6	3.5	2.5	-	30
400	28	IT/910 01 15 6	3.5	2.5	-	30

⚠ With cooling slots to prevent the blade from overheating.



MANUFACTURING TECHNOLOGY



Balance



Dynamic Balance



Straightening



Dynamic Straightness



Tension

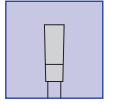


Low Noise

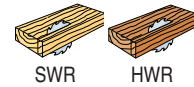
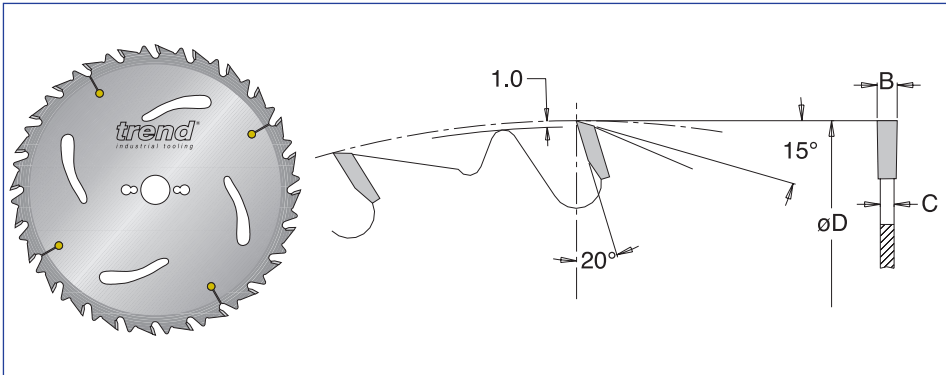


Rip Sawblades

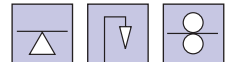
Flat tooth sawblade for rip cutting with a coarse finish on solid soft and hard woods. Anti-kick back, chip limiter design and cooling slots for continuous use. Suitable for use on a table saw or multiple rip saw.



Solid Wood
Flat
Coarse Finish

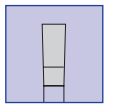


øD	Teeth	Product Ref.	B	C	keyways	ø bore
250	20	IT/901 00 90 6	3.2	2.2	-	30
250	24	IT/901 00 95 6	3.2	2.2	-	30
300	14	IT/901 00 97 6	3.2	2.2	-	30
300	24	IT/901 01 00 6	3.2	2.2	-	30
300	24	IT/901 01 00 0	3.2	2.2	2/20x6	70
300	28	IT/901 01 04 6	3.2	2.2	-	30
300	28	IT/901 01 04 0	3.2	2.2	2/20x6	70
315	24	IT/901 01 08 6	3.2	2.2	-	30
350	16	IT/901 01 07 6	3.5	2.5	-	30
350	28	IT/901 01 10 6	3.5	2.5	-	30
350	32	IT/901 01 13 6	3.5	2.5	-	30
400	18	IT/901 01 14 6	3.5	2.5	-	30
400	28	IT/901 01 15 6	3.5	2.5	-	30
450	40	IT/901 01 16 6	4.0	2.8	-	30
500	44	IT/901 01 18 6	4.4	3.0	-	30

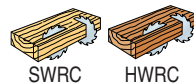
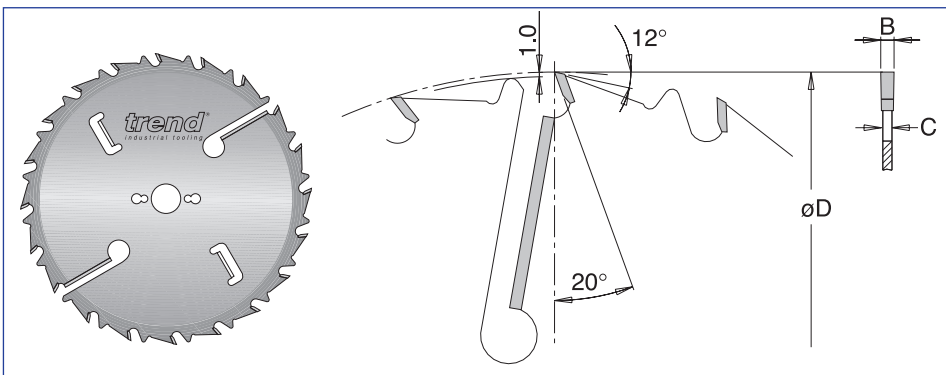


Rip Sawblades

Flat tooth sawblade for rip and cross cutting with a coarse finish on solid soft and hard woods. Anti-kick back, chip limiter design and Tungsten Carbide wiper slots for continuous heavy-duty use, particularly in wet wood. Suitable for use on a table saw or multiple rip saw.

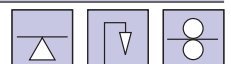


Solid Wood
Flat
Coarse Finish



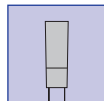
øD	Teeth	Product Ref.	B	C	ø bore
300	20+2+2	IT/904 00 35 6	3.2	2.2	30
350	24+2+2	IT/904 00 55 6	3.5	2.5	30

⚠ Suitable for cutting wet wood.





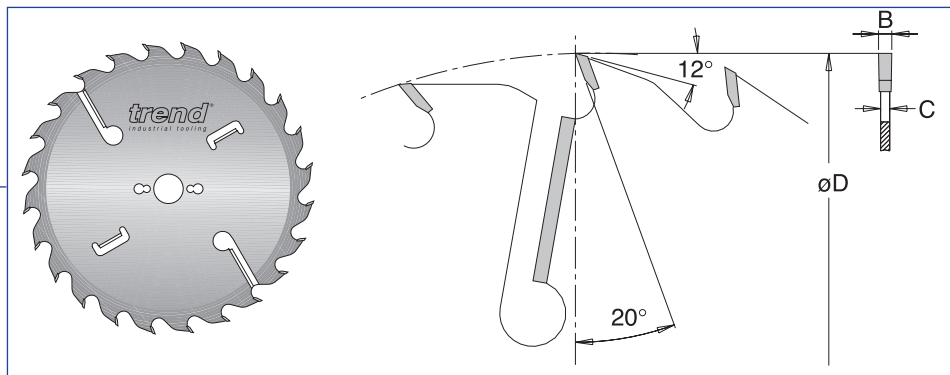
Multi Rip Sawblades



Solid Wood

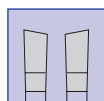
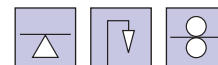
Flat
Coarse Finish

Flat tooth sawblade for rip and cross cutting with a coarse finish on solid soft and hard woods. Blade has Tungsten Carbide wiper slots for continuous heavy-duty use, particularly in wet wood. Suitable for use on a table saw or multiple rip saw.



ϕD	Teeth	Product Ref.	B	C	keyways	ϕ bore
250	18+2	IT/904 00 10 0	3.2	2.2	2/20x6	70*
300	20+2+2	IT/904 00 30 0	3.2	2.2	2/20x6	70*
350	24+2+2	IT/904 00 50 0	3.5	2.5	2/20x6	70

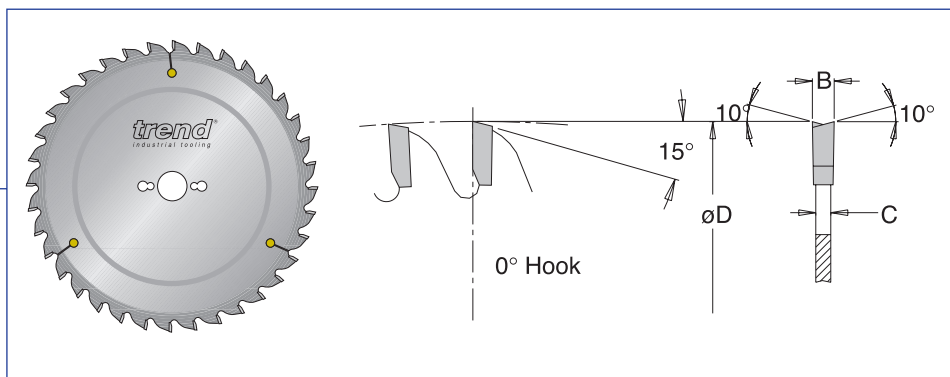
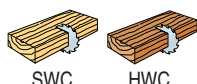
! Wet and dry wood. *Can also be supplied with 30mm bore.



Solid Wood

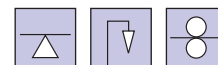
Alternate Bevel
Coarse Finish

Alternate bevel sawblade for cross cutting with a coarse finish on solid soft and hard woods. Blades have zero degree hook angle to minimise material 'pick-up' or 'snatching'. Suitable for use on a radial arm or mitre saw.



ϕD	Teeth	Product Ref.	B	C	ϕ bore
250	24	IT/908 01 10 6	3.4	2.4	30
250	42	IT/908 01 20 6	3.4	2.4	30
300	36	IT/908 01 30 6	3.8	2.8	30
350	42	IT/908 01 50 6	4.2	2.8	30
400	48	IT/908 01 70 6	4.2	3.0	30

! Suitable for radial arm saws.



MANUFACTURING TECHNOLOGY



Balance



Dynamic Balance



Straightening



Dynamic Straightness



Tension

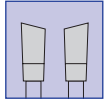


Low Noise



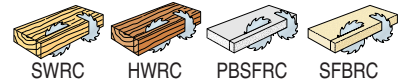
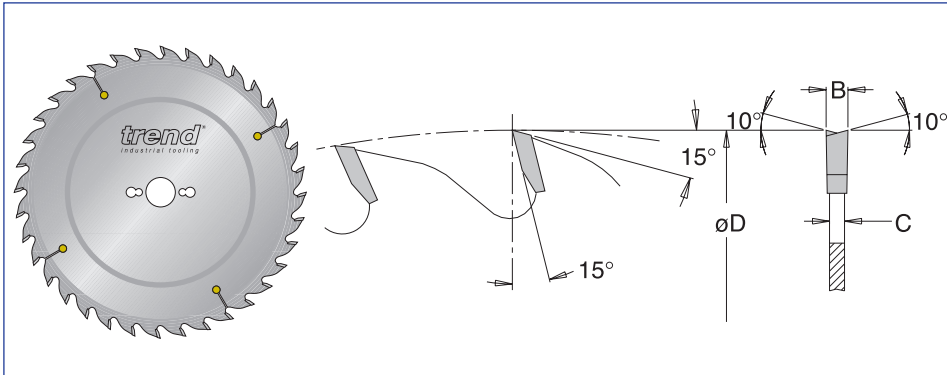
Rip & Cross Cut Sawblades

Alternate bevel sawblade for rip and cross cutting with a coarse/medium finish on solid soft and hard woods. Suitable for use on a table saw.

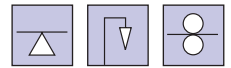


Solid Wood

**Alternate Bevel
Coarse/Medium Finish**

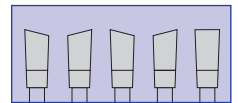


øD	Teeth	Product Ref.	B	C	ø bore
250	30	IT/901 01 60 6	3.2	2.2	30
300	36	IT/901 01 70 6	3.2	2.2	30
350	36	IT/901 01 79 6	3.5	2.5	30
350	42	IT/901 01 80 6	3.5	2.5	30
400	48	IT/901 01 90 6	3.5	2.5	30
450	54	IT/901 02 00 6	4.0	2.8	30
500	60	IT/901 02 05 6	4.4	3.0	30



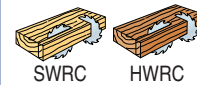
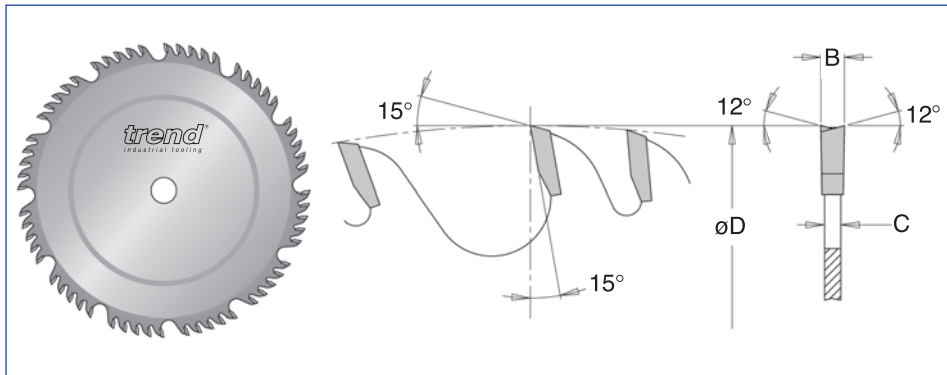
Ripping & Cross Cut Sawblade

Four alternate bevel and one flat tooth sawblade for rip and crosscutting with a coarse/medium finish on solid soft and hardwoods. Large gullets in the saw body allow for deeper cuts and improve chip removal.

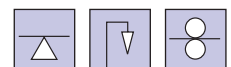


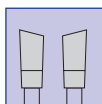
Solid Wood

**Alternate Bevel/Flat
Coarse/Medium Finish**



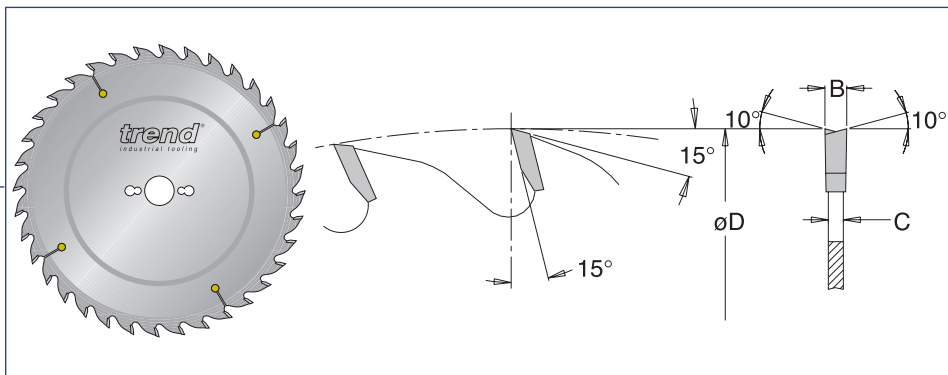
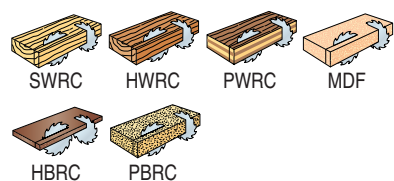
øD	Teeth	Product Ref.	B	C	ø bore
250	40	IT/908 00 30 6	3.4	2.4	30
250	50	IT/908 00 40 6	3.4	2.4	30
300	60	IT/908 00 50 6	3.8	2.8	30
350	70	IT/908 00 60 6	3.8	2.8	30
400	80	IT/908 00 70 6	4.0	3.0	30





Solid Wood & Boards

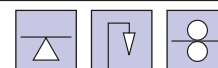
**Alternate Bevel
Medium Fine/
Extra Fine Finish**



Trimming & Cross Cut Sawblades

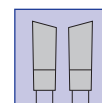
Alternate bevel sawblade for trimming and cross cutting with a medium/fine/extra fine finish on solid soft woods, hard woods and man-made boards. Suitable for use on a table saw.

øD	Teeth	Product Ref.	B	C	ø bore
250	40	IT/901 02 60 6	3.2	2.2	30
250	48	IT/901 02 63 6	3.2	2.2	30
300	48	IT/901 02 70 6	3.2	2.2	30
350	54	IT/901 02 80 6	3.5	2.5	30
400	60	IT/901 02 90 6	3.5	2.5	30
450	66	IT/901 03 00 6	4.0	2.8	30
500	72	IT/901 03 20 6	4.4	3.0	30



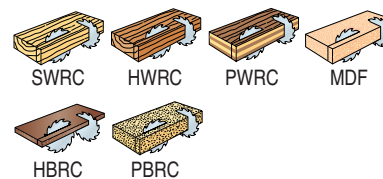
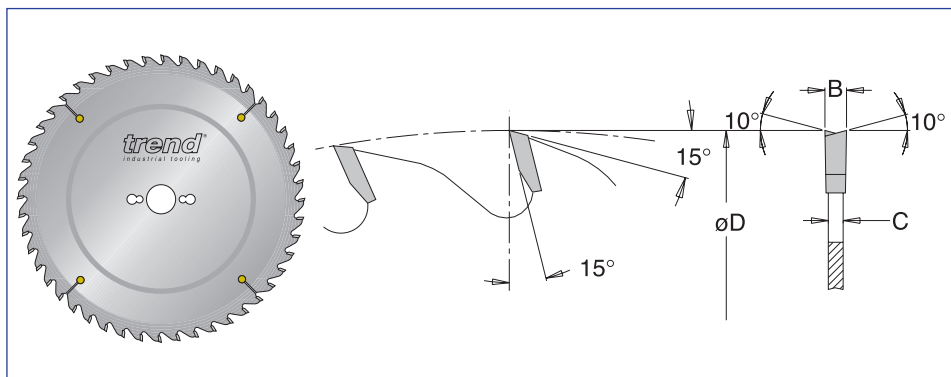
Trimming & Cross Cut Thin Kerf Sawblades

Alternate bevel sawblade for trimming and cross cutting with a coarse/medium finish on solid soft woods, hard woods and man-made boards. Thin kerf blades require less horsepower and produce less waste on expensive woods. Suitable for use on a table saw.



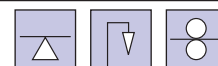
Solid Wood & Boards

**Alternate Bevel
Coarse/Medium Finish**



øD	Teeth	Product Ref.	B	C	ø bore
250	40	IT/901 30 50 6	2.3	1.6	30
300	48	IT/901 30 60 6	2.3	1.6	30
350	54	IT/901 30 70 6	2.3	1.6	30
380	48	IT/901 30 80 6	2.7	2.0	30

! Use a flange which has a diameter that is half the diameter of the sawblade.



MANUFACTURING TECHNOLOGY



Balance



Dynamic Balance



Straightening



Dynamic Straightness



Tension

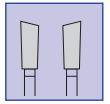


Low Noise



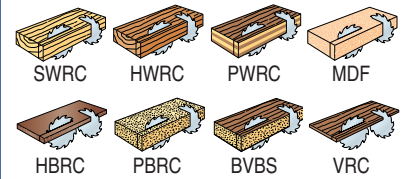
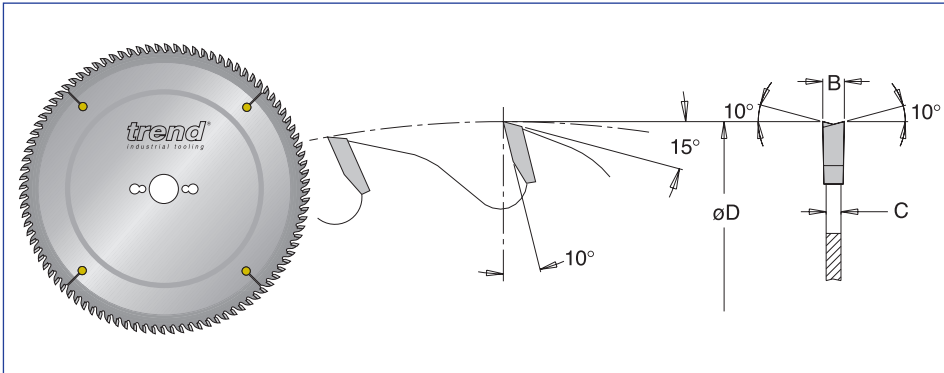
Trimming & Sizing Sawblades

Alternate bevel sawblade for trimming and cross cutting with a fine finish on solid soft woods, hard woods and man made veneered boards. Suitable for use on a table saw.

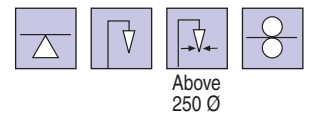


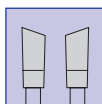
Boards & Veneered Boards

**Alternative Bevel
Fine Finish**



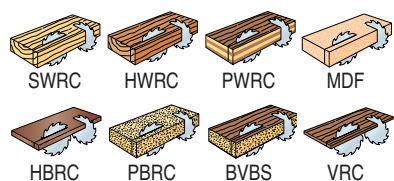
ϕD	Teeth	Product Ref.	B	C	ϕ bore
250	60	IT/901 04 10 6	3.2	2.2	30
250	80	IT/901 05 70 6	3.2	2.2	30
300	60	IT/901 04 20 6	3.2	2.2	30
300	72	IT/901 04 30 6	3.2	2.2	30
300	96	IT/901 05 80 6	3.2	2.2	30
350	72	IT/901 04 40 6	3.5	2.5	30
350	84	IT/901 04 50 6	3.5	2.5	30
350	108	IT/901 05 90 6	3.5	2.5	30
400	96	IT/901 04 60 6	3.5	2.5	30
400	120	IT/901 06 00 6	3.5	2.5	30
450	108	IT/901 04 62 6	4.0	2.8	30
450	132	IT/901 06 03 6	4.0	2.8	30
500	120	IT/901 04 63 6	4.4	3.0	30





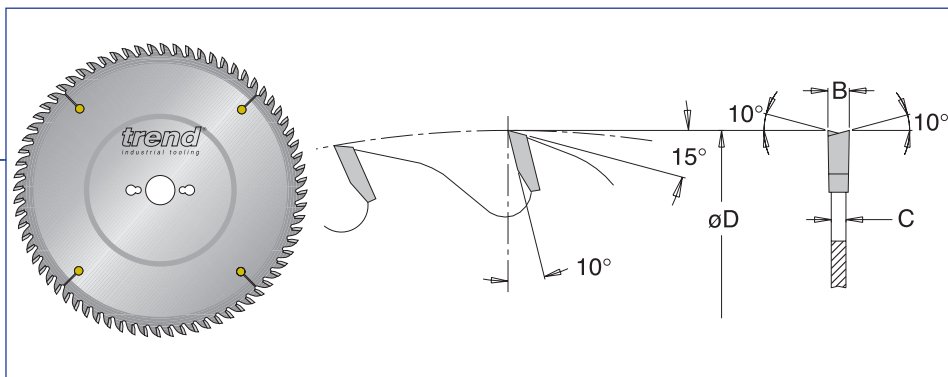
Boards & Veneered Boards

Alternate Bevel Fine Finish

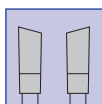
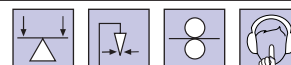


Trimming & Sizing Extended Life Sawblades

Alternate bevel sawblade for trimming and cross cutting with a fine finish on solid soft woods, hard woods and man made veneered boards. Revolutionary new production process gives blade a much higher durability. See page 3 for full details of **MAX** quality. Suitable for use on a table saw.

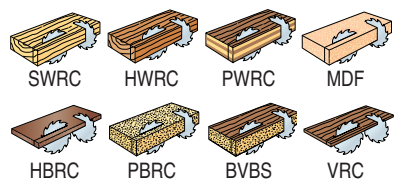


øD	Teeth	Product Ref.	B	C	ø bore
250	60	IT/950 04 10 6	3.2	2.2	30
250	80	IT/950 05 70 6	3.2	2.2	30
300	72	IT/950 04 30 6	3.2	2.2	30
300	96	IT/950 05 80 6	3.2	2.2	30
350	72	IT/950 04 40 6	3.5	2.5	30
350	84	IT/950 04 50 6	3.5	2.5	30
350	108	IT/950 05 90 6	3.5	2.5	30



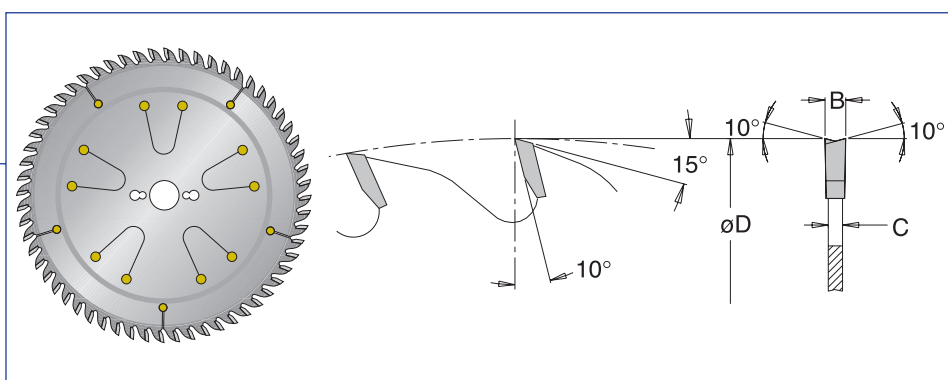
Boards & Veneered Boards

Alternate Bevel Fine Finish

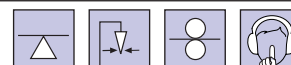


Trimming & Sizing Quiet Sawblades

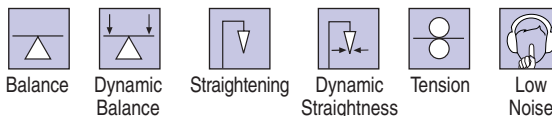
Alternate bevel sawblade for trimming and cross cutting with a fine finish on solid soft woods, hard woods and man made veneered boards. Special sound dampening slots reduce the noise made by the sawblade during use. Suitable for use on a table saw.



øD	Teeth	Product Ref.	B	C	ø bore
250	60	IT/940 04 10 6	3.2	2.2	30
250	80	IT/940 05 70 6	3.2	2.2	30
300	70	IT/940 04 30 6	3.2	2.2	30
300	100	IT/940 05 80 6	3.2	2.2	30



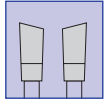
MANUFACTURING TECHNOLOGY





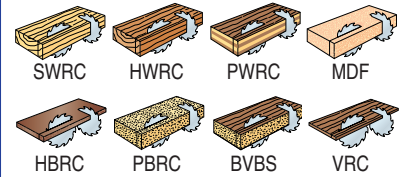
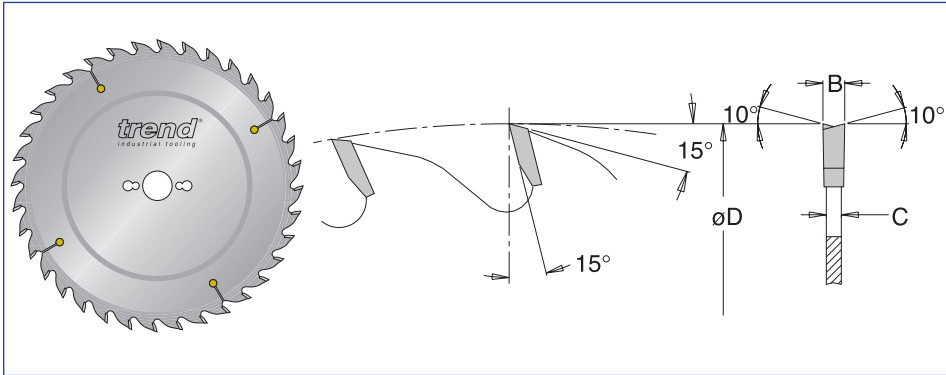
Trimming & Cross Cut Thin Kerf Sawblades

Alternate bevel sawblade for trimming and cross cutting with a fine finish on soft woods, hard woods and man-made boards. Thin kerf blades require less horsepower and produce less waste on expensive woods. Suitable for use on a table saw.



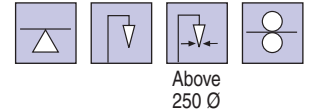
Boards & Veneered Boards

Alternate Bevel
Fine Finish



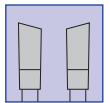
ϕD	Teeth	Product Ref.	B	C	a	ϕ bore
250	80	IT/901 31 60 6	2.3	1.6	10°	30
250	100	IT/901 31 67 6	2.3	1.6	5°	30
300	96	IT/901 31 70 6	2.3	1.6	10°	30
350	108	IT/901 31 80 6	2.3	1.6	10°	30
380	100	IT/901 31 90 6	2.7	2.0	10°	30

! Use a flange which has a diameter that is half the diameter of the sawblade.



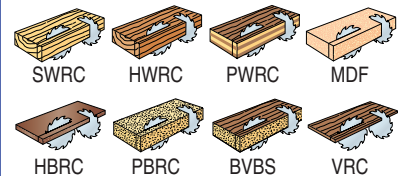
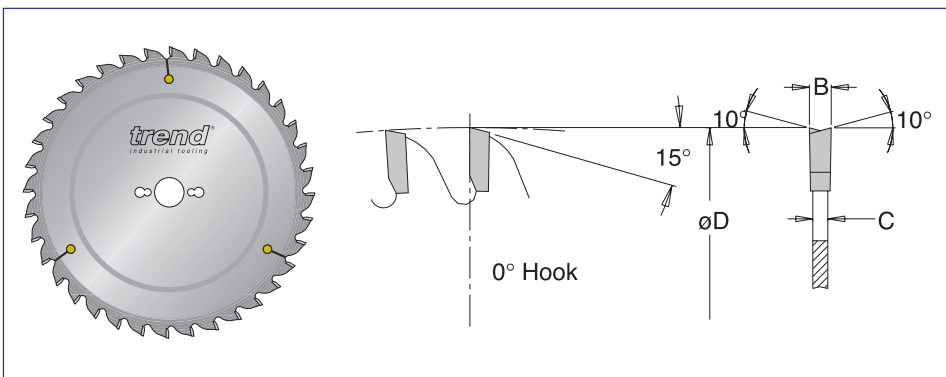
Trimming & Sizing Sawblade

Alternate bevel sawblade for trimming and cross cutting with a fine finish on soft woods, hard woods and man made veneered boards. Blades have zero degree hook angle to minimise material 'pick-up' or 'snatching'. Suitable for use on a radial arm or mitre saw.



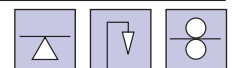
Boards & Veneered Boards

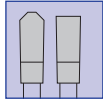
Alternate Bevel
Fine Finish



ϕD	Teeth	Product Ref.	B	C	ϕ bore
250	72	IT/901 40 60 6	3.2	2.4	30

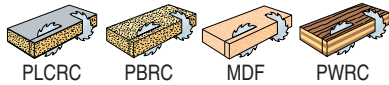
! Suitable for radial arm saws.





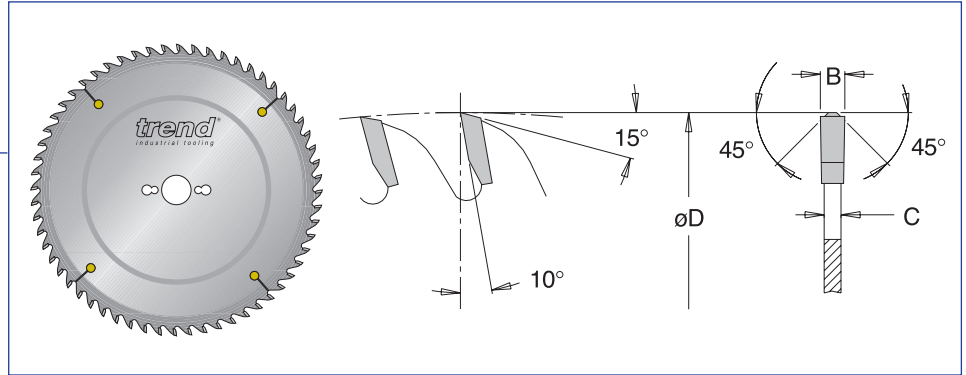
Boards & Laminated Boards

**Triple Chip
Medium/Fine Finish**

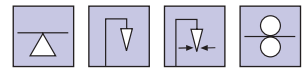


Trimming & Sizing Sawblades

Triple chip sawblade for trimming and cross cutting with a medium/fine finish on single sided laminated boards (chipboard, MDF etc). Used in combination with a scoring blade for fine finish on double-sided laminated boards. Suitable for use on a table saw.



øD	Teeth	Product Ref.	B	C	ø bore
250	40	IT/901 04 75 6	3.2	2.2	30
250	60	IT/901 04 80 6	3.2	2.2	30
250	80	IT/901 06 10 6 *	3.2	2.2	30
300	48	IT/901 02 73 6	3.2	2.2	30
300	60	IT/901 04 85 6	3.2	2.2	30
300	72	IT/901 04 90 6 *	3.2	2.2	30
300	96	IT/901 06 20 6 *	3.2	2.2	30
350	54	IT/901 02 85 6	3.5	2.5	30
350	72	IT/901 04 95 6	3.5	2.5	30
350	84	IT/901 05 00 6 *	3.5	2.5	30
350	108	IT/901 06 30 6 *	3.5	2.5	30
400	60	IT/901 02 95 6	3.5	2.5	30
400	96	IT/901 05 10 6 *	3.5	2.5	30
400	120	IT/901 06 40 6 *	3.5	2.5	30
450	66	IT/901 02 98 6	4.0	2.8	30
450	108	IT/901 05 15 6 *	4.0	2.8	30
450	132	IT/901 06 41 6 *	4.0	2.8	30
500	72	IT/901 03 25 6 *	4.4	3.0	30
500	120	IT/901 05 17 6 *	4.4	3.0	30



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MANUFACTURING TECHNOLOGY



Balance



Dynamic Balance



Straightening



Dynamic Straightness




Tension



Low Noise

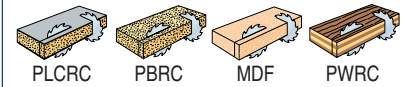
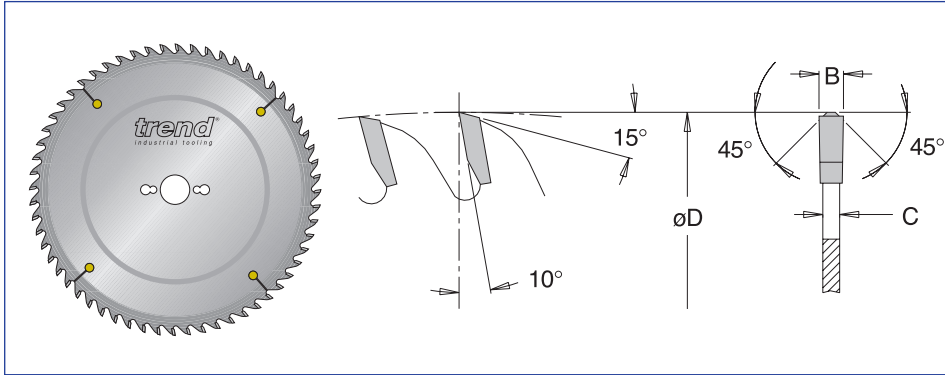


Trimming & Sizing Extended Life Sawblades

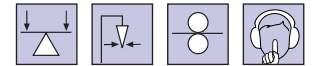
Triple chip sawblade for trimming and cross cutting with a medium/fine finish on single sided laminated boards (chipboard, MDF etc). Used in combination with a scoring blade for fine finish on double-sided laminated boards. Revolutionary new production process gives blade a much higher durability. See page 3 for full details of  quality. Suitable for use on a table saw.



Laminated Boards
Triple Chip Medium/Fine Finish

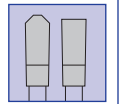


øD	Teeth	Product Ref.	B	C	ø bore
250	60	IT/950 04 80 6	3.2	2.2	30
250	80	IT/950 06 10 6	3.2	2.2	30
300	72	IT/950 04 90 6	3.2	2.2	30
300	96	IT/950 06 20 6	3.2	2.2	30
350	72	IT/950 04 95 6	3.5	2.5	30
350	84	IT/950 05 00 6	3.5	2.5	30
350	108	IT/950 06 30 6	3.5	2.5	30

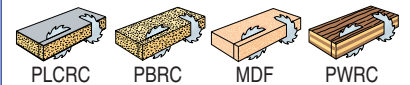
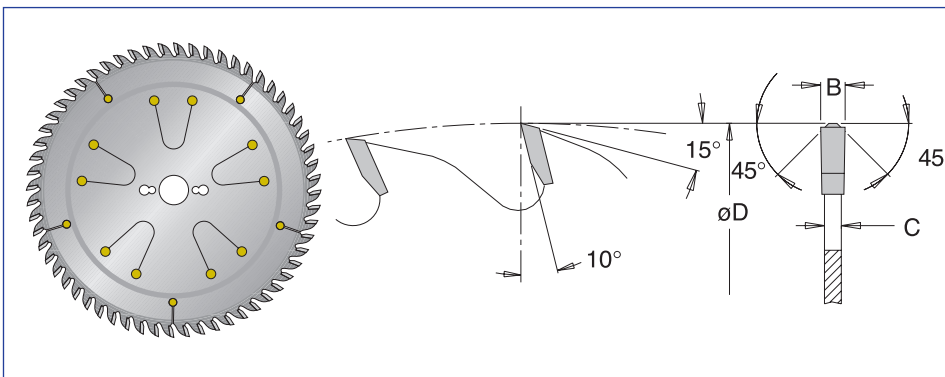


Trimming & Sizing Quiet Sawblades

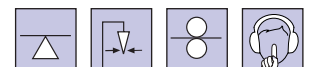
Triple chip sawblade for trimming and cross cutting with a medium/fine finish on single sided laminated boards (chipboard, MDF etc). Used in combination with a scoring blade for fine finish on double-sided laminated boards. Special sound dampening slots reduce the noise made by the sawblade during use. Suitable for use on a table saw.

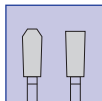


Laminated Boards
Triple Chip Fine Finish



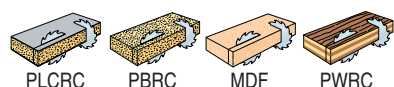
øD	Teeth	Product Ref.	B	C	ø bore
250	60	IT/940 04 80 6	3.2	2.2	30
250	80	IT/940 06 10 6	3.0	2.2	30
300	70	IT/940 04 90 6	3.2	2.2	30
300	100	IT/940 06 20 6	3.2	2.2	30





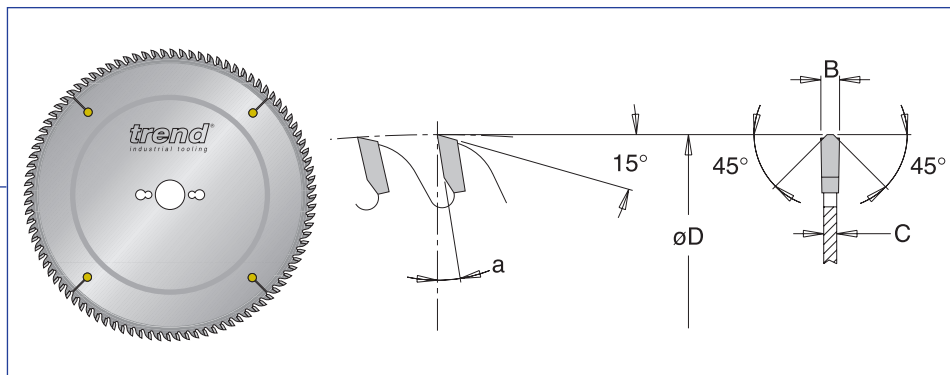
Laminated Boards

**Triple Chip
Medium/Fine finish**



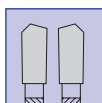
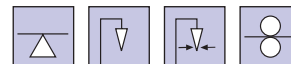
Trimming & Sizing Thin Kerf Sawblades

Triple chip sawblade for trimming and cross cutting with a medium/fine finish on single sided laminated boards (chipboard, MDF etc). Thin kerf blades require less horsepower. Suitable for use on a table saw.



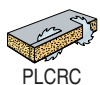
øD	Teeth	Product Ref.	B	C	a	ø bore
250	80	IT/901 31 75 6	2.3	1.6	10°	30
250	100	IT/901 31 77 6	2.3	1.6	5°	30
300	96	IT/901 31 85 6	2.3	1.6	10°	30
350	108	IT/901 31 95 6	2.3	1.6	10°	30
380	100	IT/901 31 97 6	2.7	2.0	10°	30

⚠ Use a flange which has a diameter that is half the diameter of the sawblade.



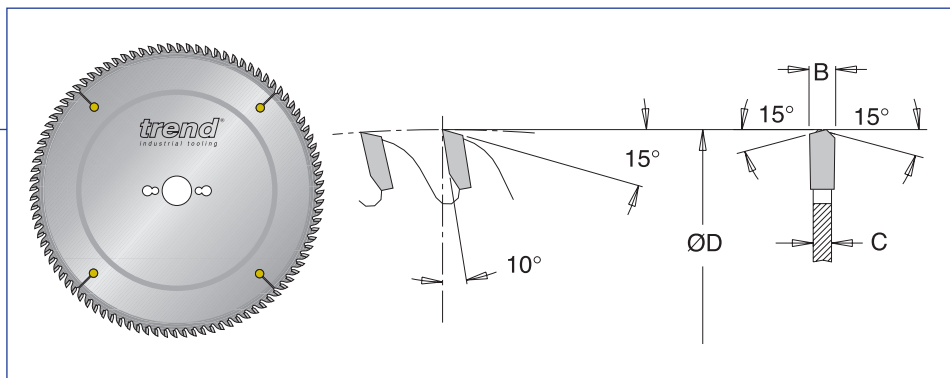
Laminated Boards

**Chamfered Tip
Fine Finish**

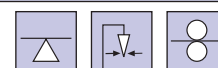


Trimming & Sizing Sawblades

Special chamfered tip sawblade for trimming with a fine finish on single sided laminated boards (chipboard, MDF etc). Chamfer makes a stronger tip, which is more durable when machining abrasive materials. Used in combination with a scoring blade for fine finish on double-sided laminated boards. Suitable for use on a table saw.



øD	Teeth	Product Ref.	B	C	ø bore
300	96	IT/901 05 85 6	3.2	2.2	30
350	108	IT/901 05 95 6	3.5	2.5	30



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Balance



Dynamic Balance



Straightening



Dynamic Straightness



Tension

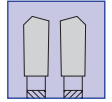


Low Noise

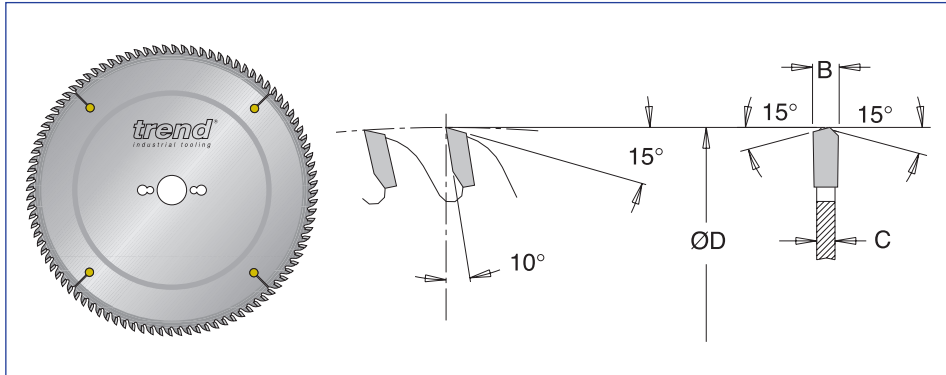


Trimming & Sizing Extended Life Sawblades

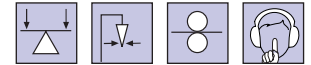
Special chamfered tip sawblade for trimming with a fine finish on single sided laminated boards (chipboard, MDF etc). Chamfer makes a stronger tip, which, along with the **MAX** production process, gives maximum durability when machining abrasive materials. See page 3 for full details of **MAX** quality. Used in combination with a scoring blade for fine finish on double-sided laminated boards. Suitable for use on a table saw.



Laminated Boards
Chamfered Tip
Fine Finish

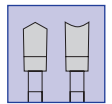


ØD	Teeth	Product Ref.	B	C	Ø bore
300	96	IT/950 05 85 6	3.2	2.2	30

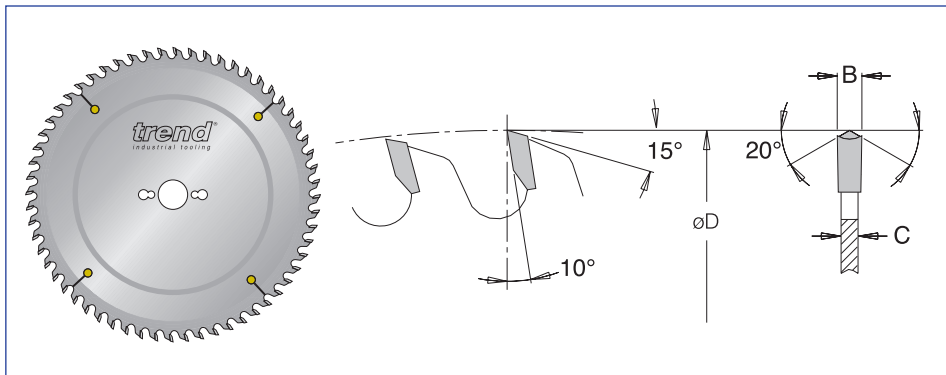


Trimming & Sizing Sawblades

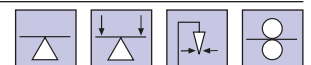
Hollow/pointed tooth sawblade for trimming with a super fine finish on single sided laminated boards (chipboard, MDF etc). Tooth form allows blade to machine double-sided laminated boards without a scoring blade. Suitable for use on a table saw.



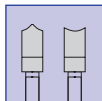
Laminated Boards
Hollow/Point
Super Fine Finish



ØD	Teeth	Product Ref.	B	C	Ø bore
253	48	IT/901 10 10 6	3.2	2.2	30
303	60	IT/901 10 25 6	3.3	2.4	30
350	72	IT/901 10 30 6	3.2	2.2	30



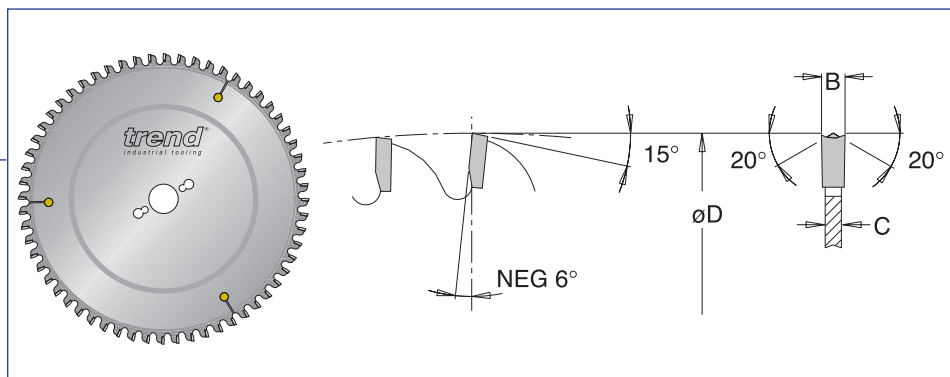
Above
250 Ø



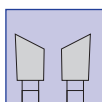
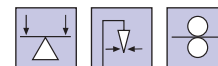
Laminated Boards

Hollow/Point Super Fine Finish

Hollow/pointed tooth sawblade for trimming with a super fine finish on single sided laminated boards (chipboard, MDF etc). Tooth form also allows blade to machine double-sided laminated boards without a scoring blade. Suitable for use on a vertical panel sizing machine.



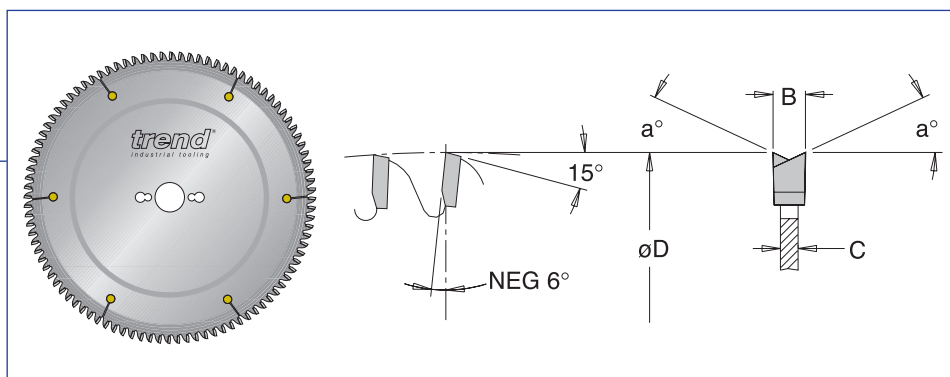
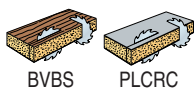
øD	Teeth	Product Ref.	B	C	ø bore
220	42	IT/901 10 65 6	3.2	2.2	30
253	48	IT/901 10 13 6	3.2	2.2	30
303	60	IT/901 10 85 6	3.2	2.2	30



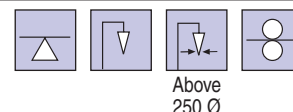
Laminated Boards & Veneered Boards

Alternate Bevel Super Fine Finish

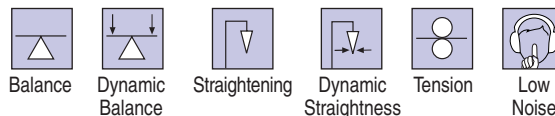
Special alternate bevel teeth for trimming with a super fine finish on double-sided melamine laminated boards (chipboard, MDF etc) and veneered boards. High bevel angle and negative rake ensures chip free cut on both faces of the board. Suitable for use on a table saw.



øD	Teeth	Product Ref.	B	C	a	ø bore
200	48	IT/903 00 70 6	3.0	2.2	25°	30
200	64	IT/903 02 60 6	3.0	2.2	25°	30
250	80	IT/903 02 70 6	3.4	2.6	25°	30
300	96	IT/903 02 81 6	3.0	2.2	35°	30
300	96	IT/903 02 80 6	3.4	2.6	25°	30
330	102	IT/903 02 85 6	3.4	2.6	25°	30
350	108	IT/903 02 90 6	3.4	2.6	25°	30
400	120	IT/903 03 00 6	4.0	3.2	25°	30



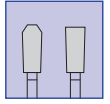
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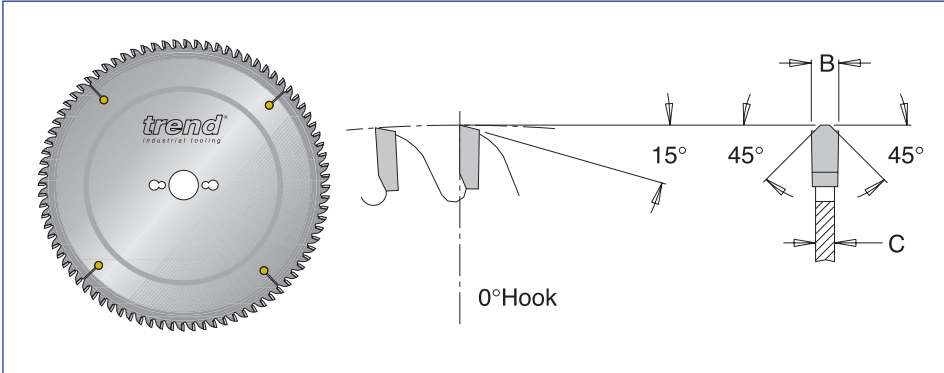


Trimming & Sizing Sawblades

Triple chip sawblade for trimming and cross cutting with a fine finish on double-sided plastic laminated boards (chipboard, MDF etc). Suitable for use on a radial arm or table saw.

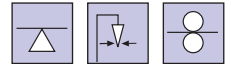


Laminated Boards
Triple Chip
Fine Finish



øD	Teeth	Product Ref.	B	C	ø bore
250	72	IT/901 41 65 6	3.2	2.4	30
300	84	IT/901 41 75 6	3.2	2.4	30
350	96	IT/901 41 85 6	3.3	2.5	30
400	108	IT/901 41 95 6	3.3	2.5	30

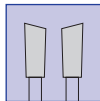
⚠ Suitable for radial arm saws.



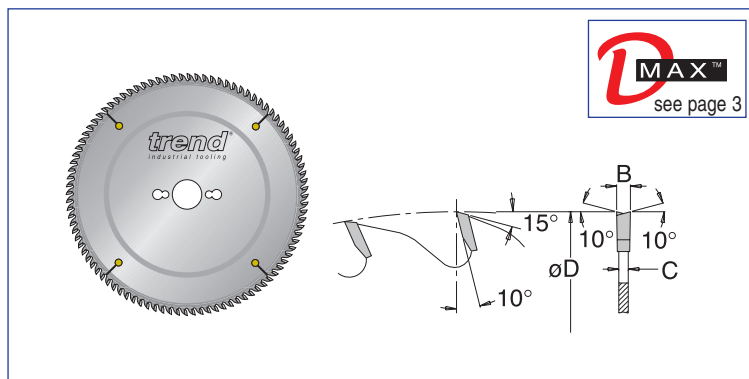


Main Saw for Panel Sizing Boards Extended Life

Alternate bevel sawblade for sizing single or stacked boards (chipboard, MDF etc.) without coating. Used in combination with a conical scorer. Revolutionary new production process gives blade a much higher durability. See page 3 for full details of **MAX** quality. Suitable for use on a panel sizing machine with pressure beam.

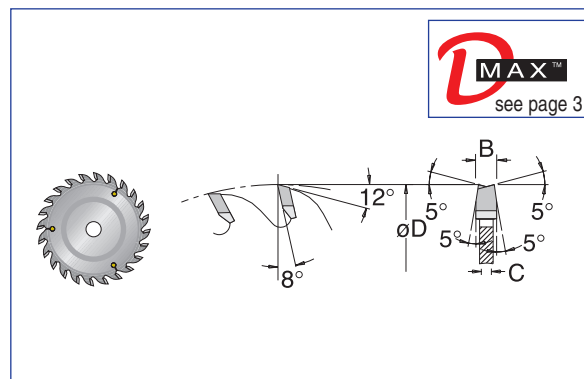
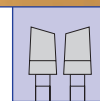


Alternate Bevel



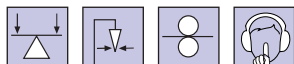
Scoring Extended Life

Conical alternate bevel tooth scoring sawblade for scoring the underside of single or stacked boards (chipboard, MDF etc) with, or without, double-sided laminate. Revolutionary new production process gives blade a much higher durability. See page 3 for full details of **MAX** quality. Suitable for use on a panel sizing machine with pressure beam.



Type	øD	Teeth	Product Ref.	B/C	ø bore	Pin Holes
Mayer	305	48	IT/955 110 06	4.4/3.0	30	-
Panhans	305	60	IT/955 110 56	4.4/3.0	30	-
	355	54	IT/955 111 06	4.4/3.0	30	-
	355	72	IT/955 111 56	4.4/3.0	30	-
Giben	355	54	IT/955 111 0T	4.4/3.0	75	-
	355	72	IT/955 111 5T	4.4/3.0	75	-
	400	72	IT/955 113 0T	4.4/3.2	75	4/15/105
	430	54	IT/955 114 5T	4.4/3.2	75	4/15/105
	430	72	IT/955 115 0T	4.4/3.2	75	4/15/105
SCM/ Gabbiani	400	72	IT/955 113 0U	4.4/3.2	80	4/9/100
						2/14/110 2/7/110
Holzma	400	72	IT/955 113 0R	4.4/3.2	60	-
	420	72	IT/955 114 0R	4.8/3.5	60	-
	450	72	IT/955 117 0R	4.8/3.5	60	2/14/125
Schelling	400	60	IT/955 112 56	4.4/3.2	30	-
Anton	400	72	IT/955 113 0R	4.4/3.5	60	-
Teutomatik	500	60	IT/955 118 0U	4.4/3.2	80	-

øD	Teeth	Product Ref.	B/C	ø bore	Pin Holes
125	24	IT/956 007 93	4.4/3.2	20	-
125	24	IT/956 007 93	4.4/3.2	20	-
125	24	IT/956 007 93	4.4/3.2	20	-
125	24	IT/956 007 93	4.4/3.2	20	-
125	24	IT/956 007 9M	4.4/3.2	45	-
125	24	IT/956 007 9M	4.4/3.2	45	-
160	36	IT/956 019 5M	4.4/3.2	45	-
216	42	IT/956 027 0N	4.4/3.2	50	3/15/80
216	42	IT/956 027 0N	4.4/3.2	50	3/15/80
125	24	IT/956 007 9M	4.4/3.2	45	-
160	36	IT/956 019 5C	4.4/3.2	55	3/7/66
150	24	IT/956 008 83	4.4/3.2	20	-
180	30	IT/956 021 03	4.4/3.2	20	-



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Balance



Dynamic Balance



Straightening



Dynamic Straightness



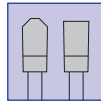
Tension



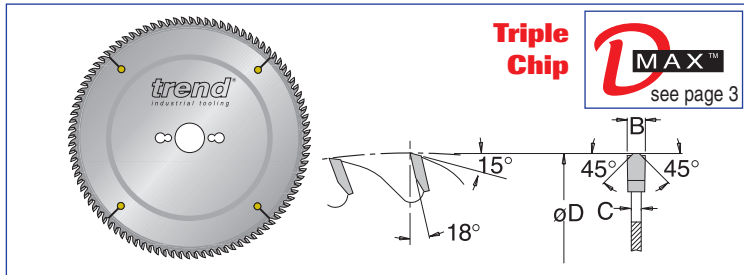
Low Noise



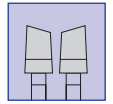
Main Saw for Panel Sizing Laminated Boards Extended Life



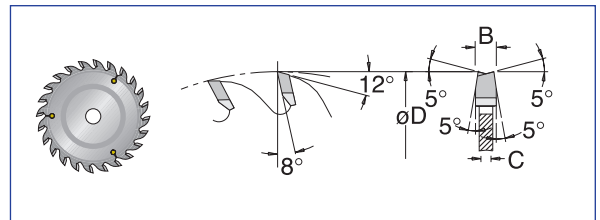
Triple chip sawblade for sizing single or stacked boards (chipboard, MDF etc) with coating. Used in combination with a conical scorer. Revolutionary new production process gives blade a much higher durability. See page 3 for full details of **MAX** quality. Suitable for use on a panel sizing machine with pressure beam.



Scoring Extended Life



Conical alternate bevel tooth scoring sawblade for scoring the underside of single or stacked boards (chipboard, MDF etc) with, or without, double-sided laminate. Revolutionary new production process gives blade a much higher durability. See page 3 for full details of **MAX** quality. Suitable for use on a panel sizing machine with pressure beam.



Type	øD	Teeth	Product Ref.	B/C	ø bore	Pin Holes
Scheer	400	72	IT/955 312 96	4.25/3.2	30	-
Panhans	305	60	IT/955 310 56	4.4/3.0	30	-
	355	54	IT/955 311 06	4.4/3.0	30	-
	355	72	IT/955 311 56	4.4/3.0	30	-
Giben	355	54	IT/955 311 0T	4.4/3.0	75	-
	355	72	IT/955 311 5T	4.4/3.0	75	-
	400	60	IT/955 312 5T	4.4/3.2	75	4/15/105
	400	72	IT/955 313 0T	4.4/3.2	75	4/15/105
	430	72	IT/955 315 0T	4.4/3.2	75	4/15/105
	430	96	IT/955 315 5T	4.4/3.2	75	4/15/105
	470	96	IT/955 317 5T	4.4/3.2	75	4/15/105
	500	72	IT/955 319 0T	4.4/3.2	75	-
	500	72	IT/955 319 5T	4.8/3.5	75	-
	500	72	IT/955 320 0T	5/3.5	75	-
SCM	355	54	IT/955 311 06	4.4/3.0	30	-
	355	72	IT/955 311 56	4.4/3.0	30	-
Gabbiani/ SCM	355	72	IT/955 311 5U	4.4/3.0	80	4/9/100 2/14/110 2/7/110
Holzma	380	72	IT/955 312 3R	4.8/3.5	60	-
	400	72	IT/955 313 0R	4.4/3.2	60	-
	400	72	IT/955 313 4R	4.8/3.2	60	-
	420	72	IT/955 313 5R	4.4/3.2	60	-
	420	80	IT/955 313 5U	4.4/3.2	60	-
	420	72	IT/955 314 0R	4.8/3.5	60	-
	450	72	IT/955 316 0R	4.4/3.2	60	-
	450	72	IT/955 317 0R	4.8/3.5	60	2/14/125
	500	60	IT/955 318 5R	4.8/3.5	60	-
	500	72	IT/955 319 5R	4.8/3.5	60	-
	500	72	IT/955 320 0R	5/3.5	60	-
	570	96	IT/955 323 5R	4.8/3.5	60	-
	600	72	IT/955 330 1R	5.8/4.0	60	2/19/120 2/11/115
Schelling	355	72	IT/955 311 56	4.4/3.2	30	-
	400	60	IT/955 312 56	4.4/3.2	30	-
	400	72	IT/955 313 06	4.4/3.2	30	-
	450	72	IT/955 316 06	4.4/3.2	30	-
	500	72	IT/955 319 06	4.4/3.2	30	-
	530	60	IT/955 321 0R	5/3.5	60	-
	550	72	IT/955 323 09	5/3.5	40	-

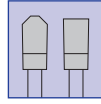
øD	Teeth	Product Ref.	B/C	ø bore	Pin Holes
400	72	IT/955 313 06*	4.4/3.2	30	-
125	24	IT/956 007 93	4.4/3.2	20	-
125	24	IT/956 007 93	4.4/3.2	20	-
125	24	IT/956 007 93	4.4/3.2	20	-
125	24	IT/956 007 9M	4.4/3.2	45	-
125	24	IT/956 007 9M	4.4/3.2	45	-
160	36	IT/956 019 5M	4.4/3.2	45	-
160	36	IT/956 019 5M	4.4/3.2	45	-
216	42	IT/956 027 0N	4.4/3.2	50	3/15/80
300	48	IT/956 028 0N	4.4/3.2	50	3/15/80
216	42	IT/956 027 0N	4.4/3.2	50	3/15/80
300	48	IT/956 028 0N	4.4/3.2	50	3/15/80
216	42	IT/956 027 0N	4.4/3.2	50	3/15/80
300	48	IT/956 028 0N	4.4/3.2	50	3/15/80
125	24	IT/956 007 9M	4.4/3.2	45	-
180	30	IT/956 021 5C	5/3.5	55	-
160	36	IT/956 019 5C	4.4/3.2	55	3/7/66
200	36	IT/956 026 1M	4.8/3.2	45	-
340	48	IT/955 110 8M	5/3.5	45	-
340	108	IT/955 110 9M	5/3.5	45	-
180	30	IT/956 021 6M	4.8/3.5	45	-
340	108	IT/955 110 9M	5/3.5	45	-
340	108	IT/955 110 9M	5/3.5	45	-
340	108	IT/955 110 9M	5/3.5	45	-
340	108	IT/955 110 9M	5/3.5	45	-
340	108	IT/955 110 9M	5/3.5	45	-
200	36	IT/956 026 53	4.4/3.2	20	-
150	24	IT/956 008 83	4.4/3.2	20	-
200	36	IT/956 026 53	4.4/3.2	20	-
180	30	IT/956 021 03	4.4/3.2	20	-
200	36	IT/956 026 23	5/3.5	20	-
200	36	IT/956 026 23	5/3.5	20	-

* Triple chip tooth



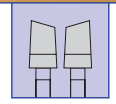
Main Saw for Panel Sizing Laminated Boards Extended Life (Continued)

Triple chip sawblade for sizing single or stacked boards (chipboard, MDF etc) with coating. Used in combination with a conical scorer. Revolutionary new production process gives blade a much higher durability. See page 3 for full details of **MAX** quality. Suitable for use on a panel sizing machine with pressure beam.



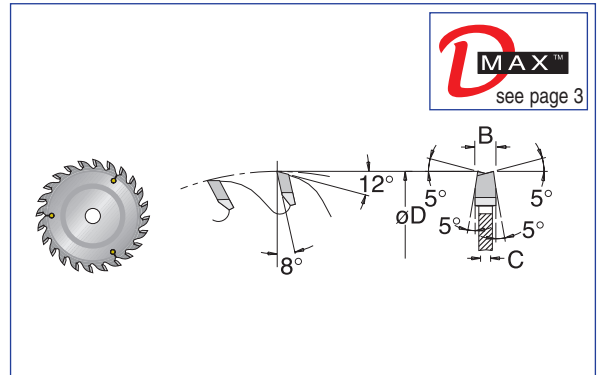
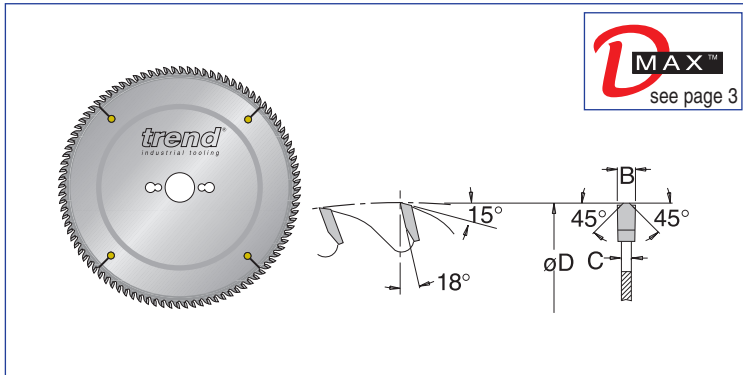
Triple Chip

Scoring Extended Life



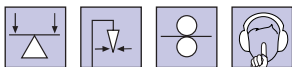
Alternate Bevel

Conical alternate bevel tooth scoring sawblade for scoring the underside of single or stacked boards (chipboard, MDF etc) with, or without, double-sided laminate. Revolutionary new production process gives blade a much higher durability. See page 3 for full details of **MAX** quality. Suitable for use on a panel sizing machine with pressure beam.



Type	øD	Teeth	Product Ref.	B/C	ø bore	Pin Holes
Anthon	400	72	IT/955 313 OR	4.4/3.2	60	-
	430	72	IT/955 315 OR	4.4/3.2	60	11/1/85
	530	60	IT/955 322 OR	5.8/4.0	60	-
Selco	300	72	IT/955 310 4S	4.4/3.2	65	2/9/110
	320	72	IT/955 335 OS	4.4/3.2	65	2/9/110
	355	72	IT/955 311 6U	4.4/3.2	80	4/19/120+ 2/9/130
	380	72	IT/955 312 1U	4.4/3.2	80	"
	380	72	IT/955 312 3U	4.4/3.2	80	"
	400	72	IT/955 313 2U	4.4/3.2	80	"
	430	72	IT/955 315 0U	4.4/3.2	80	"
	450	72	IT/955 316 0U	4.4/3.2	80	"
	450	72	IT/955 317 0U	4.8/3.5	80	"
	480	72	IT/955 317 8U	4.8/3.5	80	"
Mayer	305	60	IT/955 310 56	4.4/3.0	30	-
	355	54	IT/955 311 06	4.4/3.0	30	-
	355	72	IT/955 311 56	4.4/3.0	30	-
	400	72	IT/955 313 06	4.4/3.0	30	-
S.M.A	355	72	IT/955 311 5U	4.4/3.0	80	4/9/100
	400	72	IT/955 313 3U	4.4/3.2	80	2/7/110+ 2/9/130
	430	72	IT/955 315 2U	4.4/3.2	80	-
	450	72	IT/955 316 2U	4.4/3.2	80	-
	500	72	IT/955 319 0U	4.4/3.2	80	-

øD	Teeth	Product Ref.	B/C	ø bore	Pin Holes
180	30	IT/956 021 03	4.4/3.2	20	-
180	30	IT/956 021 03	4.4/3.2	20	-
180	30	IT/956 022 03	5.8/4.0	20	-
200	36	IT/956 026 5S	4.4/3.2	65	2/9/110+ 2/9/100
200	36	IT/956 026 5S	4.4/3.2	65	"
200	36	IT/956 026 5S	4.4/3.2	65	"
200	36	IT/956 026 5S	4.4/3.2	65	"
200	36	IT/956 026 5S	4.4/3.2	65	"
200	36	IT/956 026 5S	4.4/3.2	65	"
200	36	IT/956 026 5S	4.4/3.2	65	"
300	72	IT/955 110 6S	4.6/3.2	65	-
300	72	IT/955 110 6S	4.6/3.2	65	-
200	36	IT/956 026 1S	4.8/3.5	65	2/9/110
200	36	IT/956 026 1S	4.8/3.5	65	"



MANUFACTURING TECHNOLOGY



Balance



Dynamic Balance



Straightening



Dynamic Straightness



Tension

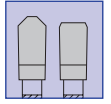


Low Noise



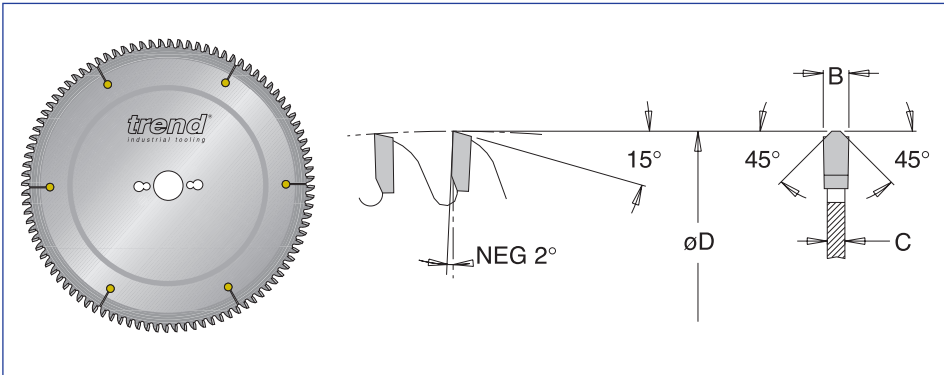
Plastic Trimming & Sizing Sawblades

Triple chip sawblade for cutting acrylic sheets, Plexiglas and thermoplastic profiles. Negative rake tooth form reduces the possibility of 'chip weld' or 'melting' of material. Suitable for use on a table saw.

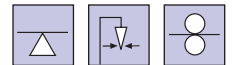


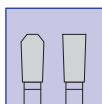
Plastic Sheets

**Triple Chip
Medium/Fine Finish**



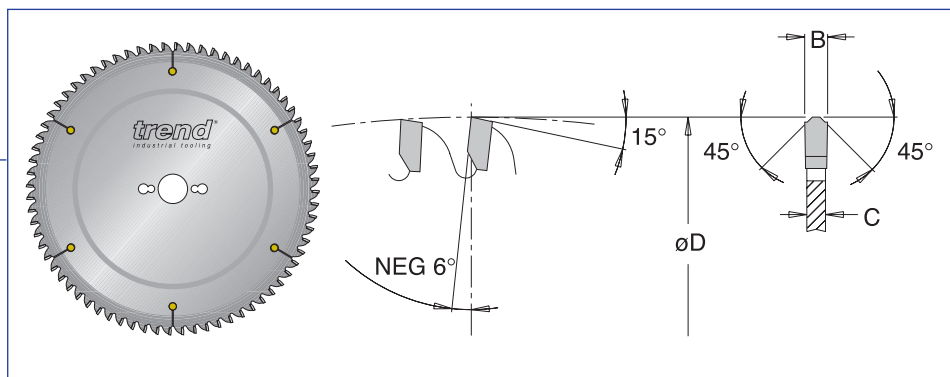
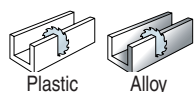
øD	Teeth	Product Ref.	B	C	ø bore
250	80	IT/901 07 03 6	2.5	1.8	30
300	96	IT/901 07 06 6	3.3	2.6	30
350	108	IT/901 07 09 6	3.7	3.0	30





Plastic & Aluminium

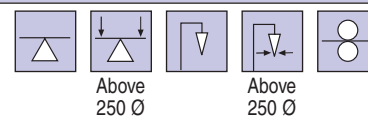
**Triple Chip
Medium/Fine Finish**



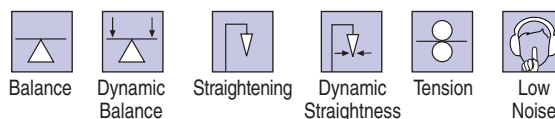
Triple chip sawblade for trimming with medium/fine finish on aluminium/plastic profiles. Material must be firmly clamped at both sides of cut and sawblade should be lubricated during use. Suitable for use on mitre, double cross-cutting and sizing machines.

øD	Teeth	Product Ref.	B	C	ø bore
250	60	IT/902 00 80 6	3.2	2.6	30
250	80	IT/902 02 70 6	3.2	2.6	30
250	100	IT/902 02 75 6	3.2	2.6	30
275	72	IT/902 00 85 7	3.2	2.6	32
300	72	IT/902 00 90 6	3.2	2.6	30
300	96	IT/902 02 80 6	3.2	2.6	30
330	80	IT/902 00 95 7	3.2	2.6	32
330	102	IT/902 02 85 6	3.2	2.6	30
330	102	IT/902 02 85 7	3.2	2.6	32
350	84	IT/902 01 00 6	3.2	2.6	30
350	108	IT/902 02 90 6	3.2	2.6	30
380	100	IT/902 02 95 6	2.8	2.2	30
400	96	IT/902 01 10 6	3.8	3.2	30
400	120	IT/902 03 00 6	3.8	3.2	30
420	96	IT/902 03 40 6	4.0	3.4	30
450	108	IT/902 04 00 6	4.0	3.4	30
450	120	IT/902 04 10 6	4.0	3.4	30
500	120	IT/902 04 20 6	4.4	3.8	30

⚠ The material must be clamped firmly to the table on both sides during cutting operation.



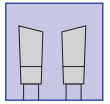
MANUFACTURING TECHNOLOGY



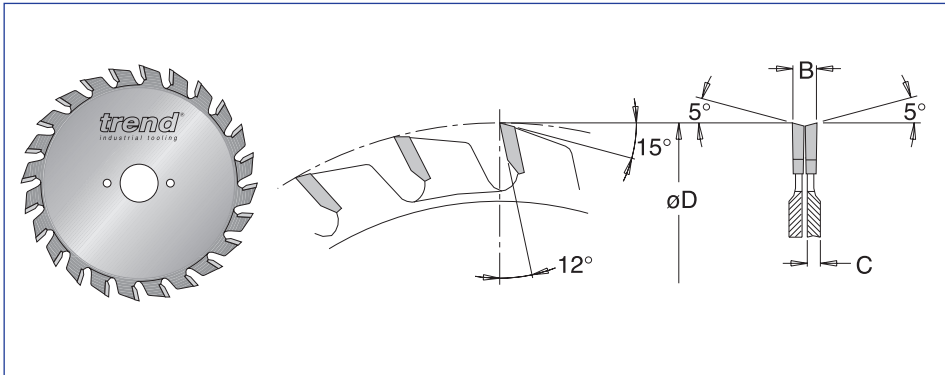


Adjustable Scoring Sawblades

Alternate bevel adjustable scorer for scoring the underside of double-sided laminated boards (chipboard, MDF etc). Blade scores with feed thickness is adjusted by adding or removing spacers. Suitable for use on a panel sizing machine.

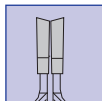


Laminated Boards
Alternate Bevel



øD	Teeth	Product Ref.	B	C	ø bore
80	2x10	IT/906 00 09 3	2.8 - 3.6	2.0	20
100	2x12	IT/906 00 10 3	2.8 - 3.6	2.0	20
100	2x12	IT/906 00 10 4	2.8 - 3.6	2.0	22
120	2x12	IT/906 00 30 3	2.8 - 3.6	2.0	20
120	2x12	IT/906 00 30 4	2.8 - 3.6	2.0	22
125	2x12	IT/906 00 40 3	2.8 - 3.6	2.0	20
125	2x12	IT/906 00 40 4	2.8 - 3.6	2.0	22

⚠ Cutting width adjusted by adding or removing shims.



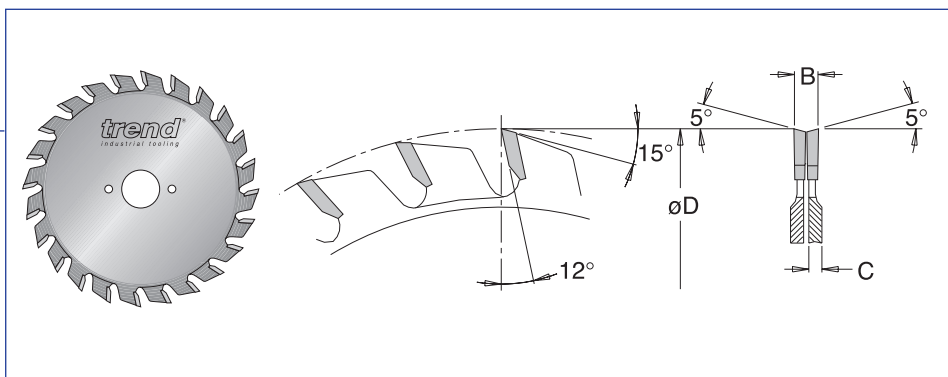
Laminated Boards

Alternate Bevel

Adjustable Scoring Sawblades Extended Life

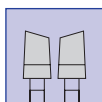
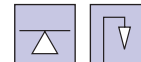
Alternate bevel adjustable scorer for scoring the underside of double-sided laminated boards (chipboard, MDF etc). Blade scores with feed and thickness is adjusted by adding or removing spacers. Revolutionary new production process gives blade a much higher durability.

See page 3 for full details of quality. Suitable for use on a panel sizing machine.



$\varnothing D$	Teeth	Product Ref.	B	C	\varnothing bore
100	2x12	IT/956 00 10 3	2.8 - 3.6	2.0	20
100	2x12	IT/956 00 10 4	2.8 - 3.6	2.0	22
120	2x12	IT/956 00 30 3	2.8 - 3.6	2.0	20
120	2x12	IT/956 00 30 4	2.8 - 3.6	2.0	22
125	2x12	IT/956 00 40 3	2.8 - 3.6	2.0	20
125	2x12	IT/956 00 40 4	2.8 - 3.6	2.0	22

Cutting width adjusted by adding or removing shims.

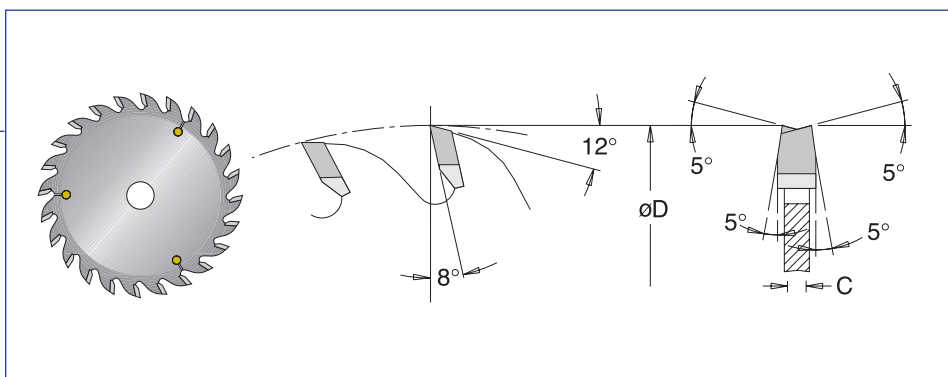
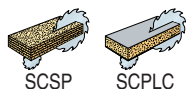


Laminated Boards

Conical Alternate Bevel

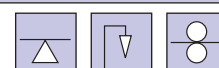
Conical Scoring Sawblades Extended Life

Conical alternate bevel tooth scoring sawblade for scoring the underside of single or stacked boards (chipboard, MDF etc) with, or without, double-sided laminate. Revolutionary new production process gives blade a much higher durability. See page 3 for full details of quality. Suitable for use on a panel sizing machine with pressure beam.



$\varnothing D$	Teeth	Product Ref.	B Main Saw	C	\varnothing bore
120	24	IT/956 00 45 3	3.2	2.2	20
120	24	IT/956 00 45 4	3.2	2.2	22
125	24	IT/956 00 69 3	3.2	2.8	20
125	24	IT/956 00 69 4	3.2	2.8	22
125	24	IT/956 00 79 3	4.4	3.2	20
125	24	IT/956 00 79 4	4.4	3.2	22

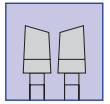
The cutting width is adjusted by raising or lowering the conical scorer.





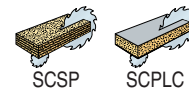
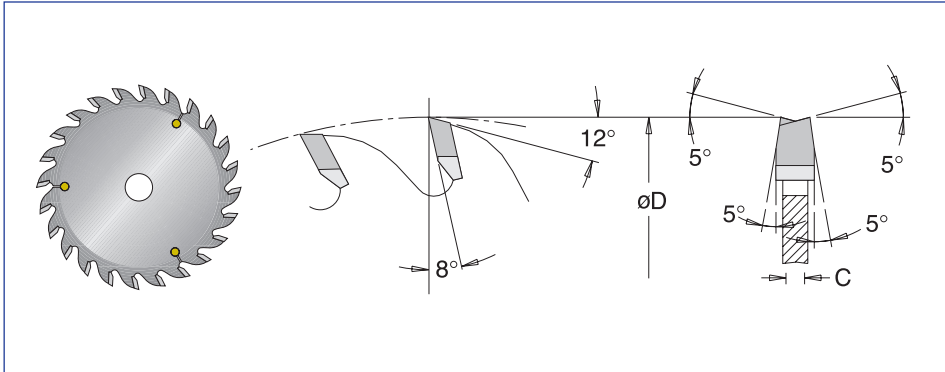
Conical Scoring Sawblades

Conical alternate bevel tooth scoring sawblade for scoring the underside of single or stacked boards (chipboard, MDF etc.) with, or without, double-sided laminate. Suitable for use on a panel sizing machine with pressure beam.



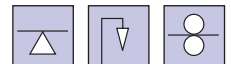
Laminated Boards

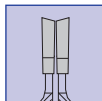
Conical Alternate Bevel



øD	Teeth	Product Ref.	B Main Saw	C	ø bore
100	20	IT/906 00 41 3	3.2	2.2	20
100	20	IT/906 00 41 4	3.2	2.2	22
100	20	IT/906 00 51 3	3.0	2.2	20
100	20	IT/906 00 51 4	3.0	2.2	22
120	24	IT/906 00 44 3	2.8	2.2	20
120	24	IT/906 00 44 4	2.8	2.2	22
120	24	IT/906 00 45 3	3.2	2.2	20
120	24	IT/906 00 45 4	3.2	2.2	22
125	24	IT/906 00 69 3	3.2	2.8	20
125	24	IT/906 00 69 4	3.2	2.8	22

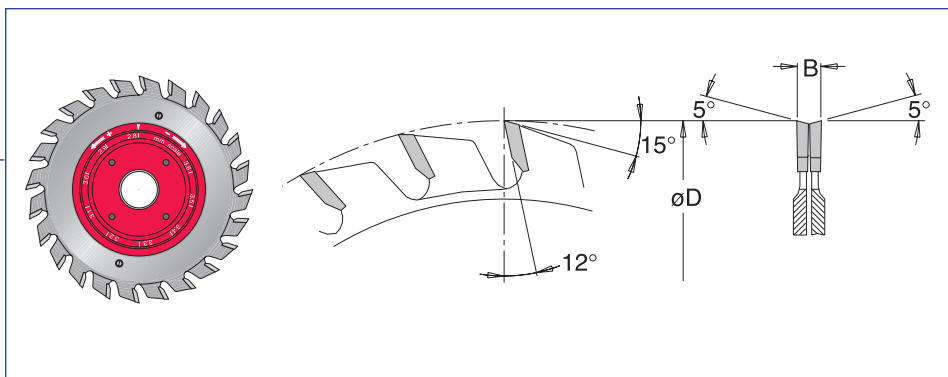
⚠ The cutting width is adjusted by raising or lowering the conical scorer.





Laminated Boards

Alternate Bevel

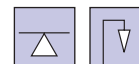


Adjustable Scoring System

Alternate bevel adjustable scorer for scoring the underside of double-sided laminated boards (chipboard, MDF etc). Blade scores with feed, kerf thickness adjusted by a gauge. Scorer does not need to be removed from the machine to adjust. Suitable for use on a panel sizing machine. See page 4 for full details of the **DLeader** scoring system

	øD	Product Ref.	B	Teeth	ø bore
Complete Set	100	IT/956 101 03▲	2.8-3.6	24	20
Complete Set	100	IT/956 101 04▲	2.8-3.6	24	22
Complete Set	120	IT/956 103 03	2.8-3.6	24	20
Complete Set	120	IT/956 103 04❖	2.8-3.6	24	22
Complete Set	125	IT/956 104 03	2.8-3.6	24	20
Complete Set	125	IT/956 104 04❖	2.8-3.6	24	22
Spare Sawblades (Pair)	100	IT/956 101 0Z		12+12	
Spare Sawblades R+L (Pair)	120	IT/956 103 0Z		12+12	
Spare Sawblades R+L (Pair)	125	IT/956 104 0Z		12+12	

⚠ This system is suitable for use on most makes of table saw. Where necessary, a suitable fitting ring will be supplied.
❖ Supplied with 15mm fitting ring for Altendorf machines.



Complete Set	120	IT/956 203 03+	2.8-3.6	24	20
--------------	-----	----------------	---------	----	----

+ Special DLeader scorer with a chamfer gauge for use on the SCM panel saw. Chamfer gauge enables the scorer to be tilted without touching the saw table.

Spare Parts

Description	Spring Ring		Washer		Torx® Screw	Torx® Key	Hex Key	Hex Screw
Product Ref.	IT/195 085 0	IT/195 084 0▲	IT/196 352 3	IT/196 352 4	IT/193 041 4	IT/194 102 0	IT/194 008 0	IT/193 035 1
Size	D=75	D=65	35x20x3	35x22x3	M4x6	S1.5	S2.5	M3x3

Spare Parts

Description	Grinding Attachment for DLeader Scorer
Product Ref.	IT/551 0701
Size	D=63x20mm bore

Enables spare blades to be reground as a pair.

MANUFACTURING TECHNOLOGY



Balance



Dynamic Balance



Straightening



Dynamic Straightness



Tension



Low Noise

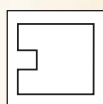
SPINDLE TOOLING

These cutters meet all the requirements of the modern woodworking industry. They include multi profile cutter heads with tool steel and tungsten carbide knives, tungsten carbide brazed tip tooling & disposable insert tooling.

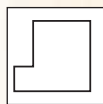
Disposable insert tooling brings the following benefits:

- A clean and accurate cut.
- Harder carbide grade than standard brazed tip tooling as no heat is used in the manufacturing process.
- Quick to set up.
- Saves tooling costs.
- No re-sharpening costs.
- Profile always remains the same.

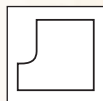
■ Technical information	30 - 31
■ Grooving	32 - 42
■ Rebating	40 - 46
■ Profiling	46 - 58
■ Jointing	59 - 61
■ Frame and panel door	62 - 74
■ Lamello® biscuit blade	75 - 76
■ Multi profile system	77 - 104
■ Bearings and spacers	105 - 106



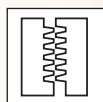
Grooving



Rebating



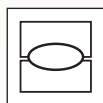
Profiling



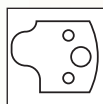
Jointing



Frame and Panel Door



Lamello® Biscuit Blade



Multi Profile System



All the cutters are supplied with 30mm bore as standard, for use on all spindle moulders from the following manufacturers:

Scheppach, Elektra Beckum, Robland, Kity, Hammer, Felder and Record.

Some cutters are offered in 1 1/4" bore (31.75mm) as standard. (Please see product pages for details). Other bore sizes can be supplied - please ask for details.

Safety Standard EN 847-1/2



The harmonisation of various woodworking safety standards in 1997 resulted in the EN 847 norm being introduced across Europe. This new standard details technical safety requirements of machine tools for wood processing and is binding on all the EU countries and CEN member states. EN 847 replaces the standards that were previously in force in all the member states.

Limited cutter projection tooling (suitable for hand feed) dramatically reduces the severity of injury when hands come into contact with the rotating tool and the risk of material kickback.

MAN - Hand Feed Regulations

The regulations state that hand feed is regarded as the holding and guiding of work pieces by hand. The term 'hand-feed' also applies to the use of demountable power feed units or using a hand-operated carriage on which the work-piece is placed manually or clamped.

Hand feed tools have the following characteristics:



- Chip thickness limitation: max 1.1mm knife projection for non-circular tools and 3mm for circular tools.
- Limited tooth gullet space.
- Mainly circular form.

Tools conforming to this standard are marked MAN or carry the hand feed logo.

MEC - Mechanical Feed Regulations

Mechanical feed is the feeding of the material work-piece by mechanical means. Tools conform to general safety standards, but are not subject to standards concerning knife projection or tooth gullet width.

All the cutters in the spindle section are manufactured in accordance with the EN 847 standard and are marked with the following information:

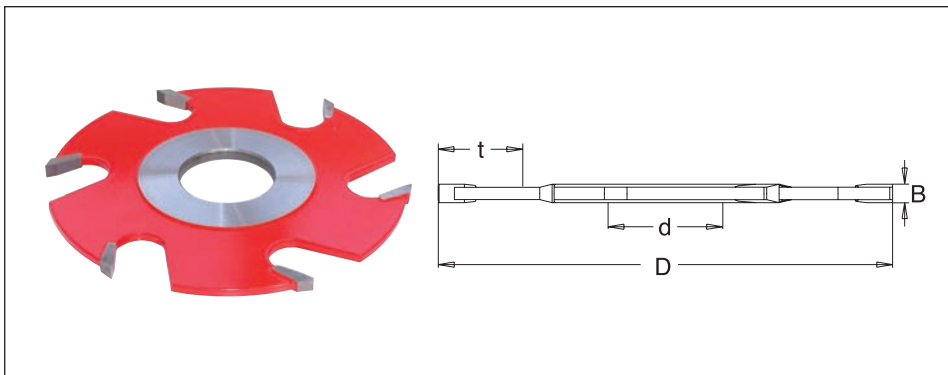
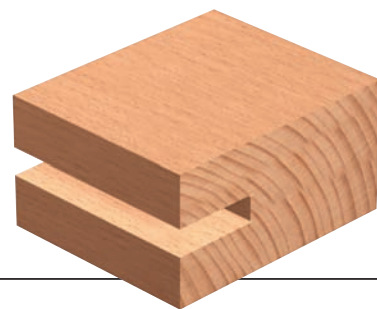
Company Name _____ Trend Industrial Tooling
 Feed Type _____ e.g. MAN or MEC
 Dimensions _____ e.g. Cutting diameter x Width of cut x Bore in mm
 RPM _____ e.g. nMin - nMax or nMax
 Month/Year of Manufacture ___e.g. coded





Grooving Cutters 3-16mm

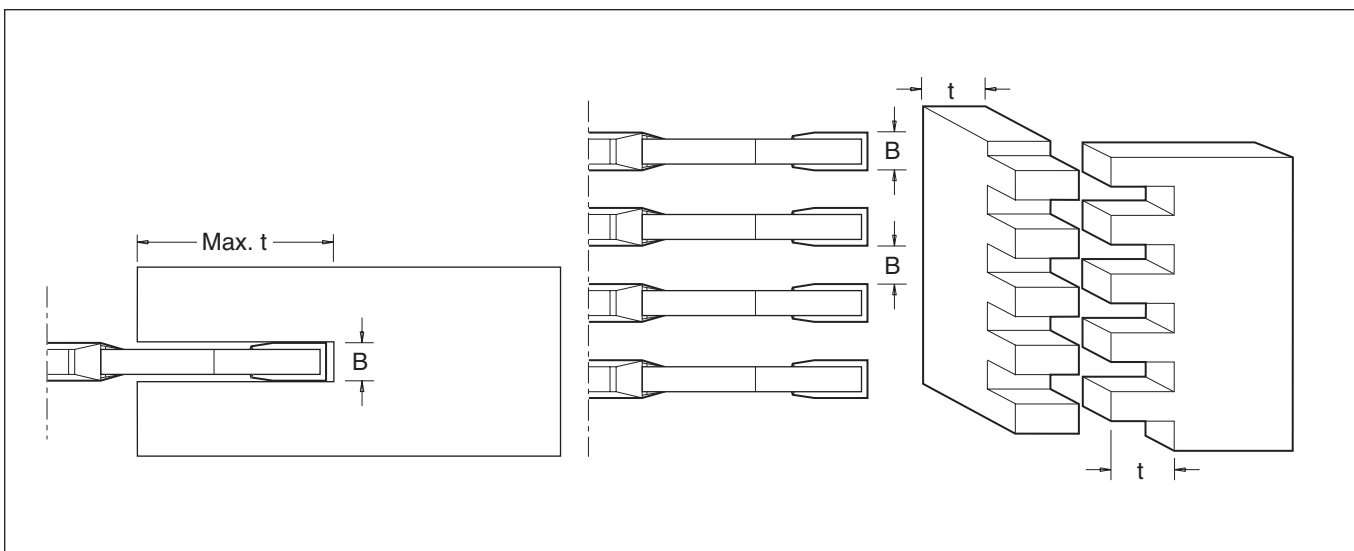
Hard wearing steel tool body complete with six tungsten carbide knives. Suitable for producing grooves and slots in softwood, hardwood and man-made boards (with or without coating) on a spindle moulder. Can be used with spacer rings (see page 106) for comb jointing.



Hand Feed

øD	B	Product Ref.	Teeth	ød	Max. t	n
125	3	IT/707 001 1	6	30	32	6,100 - 10,500
125	4	IT/707 004 1	6	30	32	6,100 - 10,500
125	5	IT/707 007 1	6	30	32	6,100 - 10,500
125	6	IT/707 010 1	6	30	32	6,100 - 10,500
125	8	IT/707 013 1	6	30	32	6,100 - 10,500
125	10	IT/707 016 1	6	30	32	6,100 - 10,500
125	12	IT/707 019 1	6	30	32	6,100 - 10,500
125	14	IT/707 022 1	6	30	32	6,100 - 10,500
125	16	IT/707 025 1	6	30	32	6,100 - 10,500
150	4	IT/707 031 1	6	30	45	5,200 - 9,000
150	5	IT/707 034 1	6	30	45	5,200 - 9,000
150	6	IT/707 037 1	6	30	45	5,200 - 9,000
150	8	IT/707 040 1	6	30	45	5,200 - 9,000
150	10	IT/707 043 1	6	30	45	5,200 - 9,000
150	12	IT/707 046 1	6	30	45	5,200 - 9,000
150	14	IT/707 049 1	6	30	45	5,200 - 9,000
150	16	IT/707 052 1	6	30	45	5,200 - 9,000
180	5	IT/707 055 1	8	30	60	4,300 - 7,500
180	6	IT/707 058 1	8	30	60	4,300 - 7,500

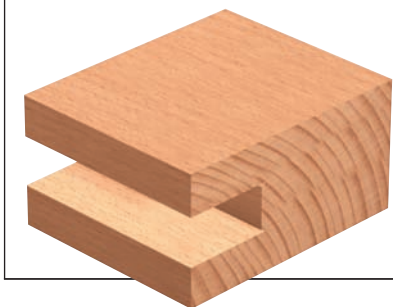
⚠ Also available with a 1 1/4" bore, replace last digit with a 7.



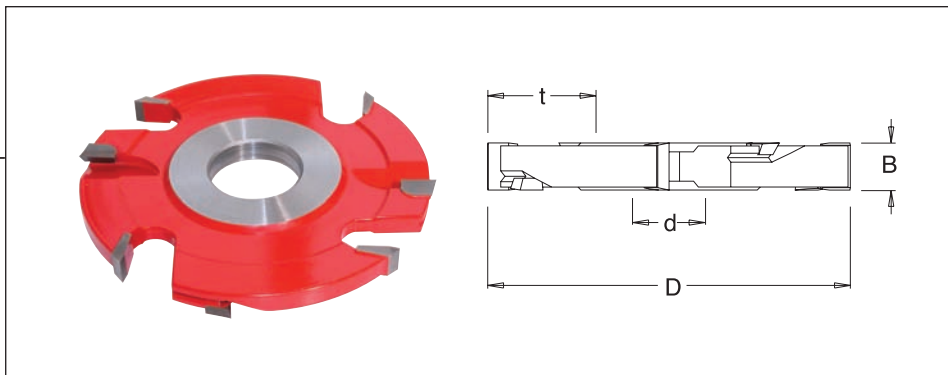


Grooving Cutters with Scorers 4-16mm

Hard wearing steel tool body complete with tungsten carbide knives and scorers for improved finish. Suitable for producing grooves and slots in softwood, hardwood and man-made boards (with or without coating) on a spindle moulder. Can be used with spacer rings (see page 106) for comb jointing.

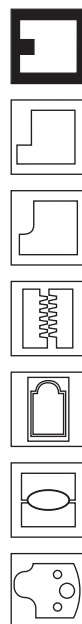
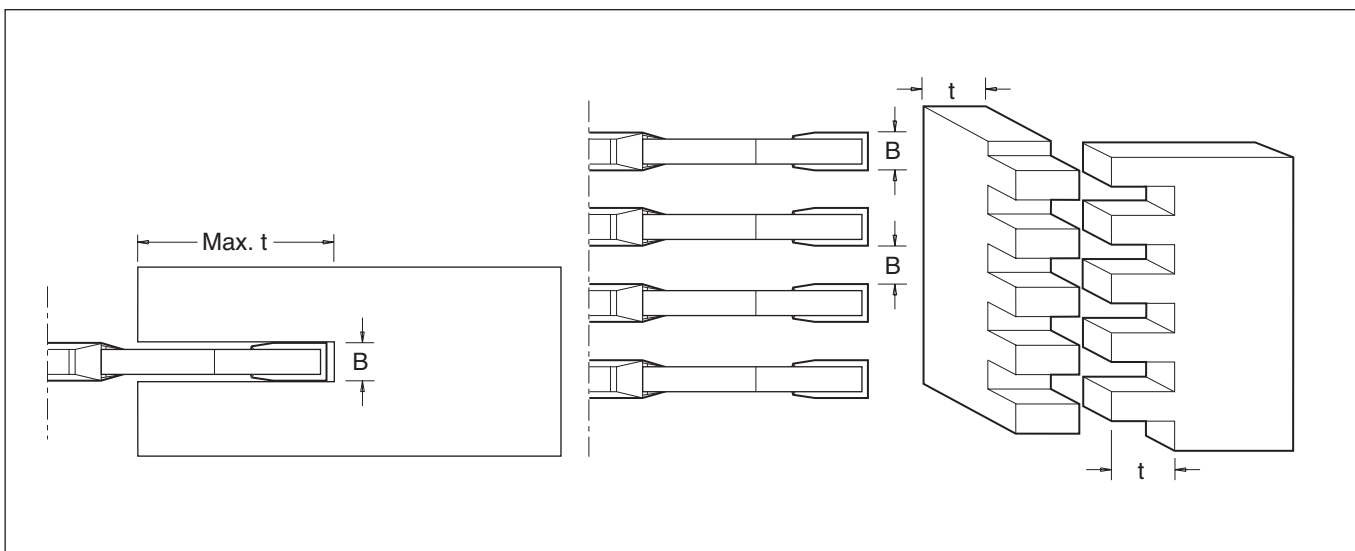


Hand Feed



øD	B	Product Ref.	Teeth	ød	Max t	n
125	4	IT/707 201 1	4+4	30	32	6,200 - 10,500
125	5	IT/707 204 1	4+4	30	32	6,200 - 10,500
125	6	IT/707 207 1	4+4	30	32	6,200 - 10,500
125	8	IT/707 210 1	4+4	30	32	6,200 - 10,500
125	10	IT/707 213 1	4+4	30	32	6,200 - 10,500
125	12	IT/707 216 1	4+4	30	32	6,200 - 10,500
125	14	IT/707 219 1	4+4	30	32	6,200 - 10,500
125	16	IT/707 222 1	4+4	30	32	6,200 - 10,500
150	4	IT/707 225 1	4+4	30	45	5,200 - 9,000
150	5	IT/707 228 1	4+4	30	45	5,200 - 9,000
150	6	IT/707 231 1	4+4	30	45	5,200 - 9,000
150	8	IT/707 234 1	4+4	30	45	5,200 - 9,000
150	10	IT/707 237 1	4+4	30	45	5,200 - 9,000
150	12	IT/707 240 1	4+4	30	45	5,200 - 9,000
150	14	IT/707 243 1	4+4	30	45	5,200 - 9,000
150	16	IT/707 246 1	4+4	30	45	5,200 - 9,000
180	5	IT/707 249 1	4+4	30	60	4,300 - 7,500
180	6	IT/707 252 1	4+4	30	60	4,300 - 7,500

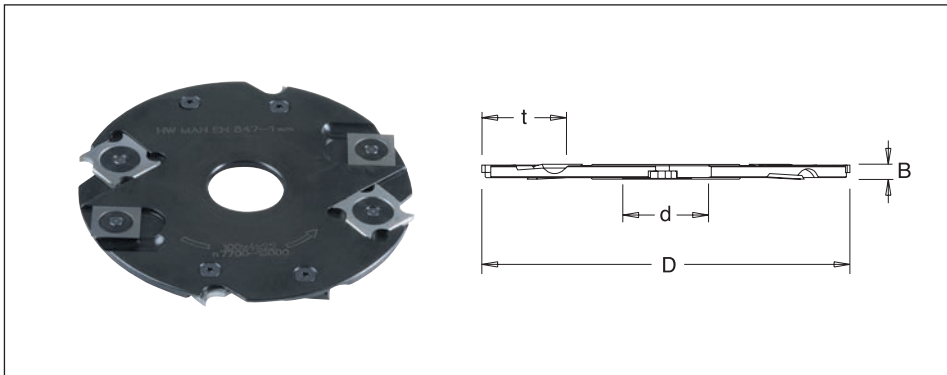
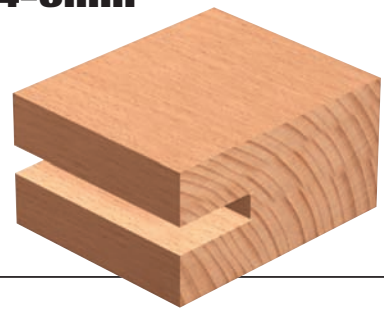
⚠ Also available with a 1 1/4" bore, replace last digit with a 7.





Disposable Insert Grooving Cutters with Scorers 4-6mm

Hard wearing steel body complete with disposable tungsten carbide knives and scorers for improved finish. Suitable for producing grooves and slots in softwood, hardwood and man-made boards (with or without coating) on a spindle moulder. Can be used with spacer rings (see page 106) for comb jointing.



Hand Feed








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øD	B	Product Ref.	Teeth	ød	Max. t	n
125	4	IT/721 001 1	4+4	30	35	6,100 - 10,500
125	5	IT/721 002 1	4+4	30	35	6,100 - 10,500
125	6	IT/721 003 1	4+4	30	35	6,100 - 10,500
150	4	IT/721 004 1	4+4	30	45	5,200 - 8,900
150	4	IT/721 004 7	4+4	1 1/4"	45	5,200 - 8,900
150	5	IT/721 005 1	4+4	30	45	5,200 - 8,900
150	5	IT/721 005 7	4+4	1 1/4"	45	5,200 - 8,900
150	6	IT/721 006 1	4+4	30	45	5,200 - 8,900
150	6	IT/721 006 7	4+4	1 1/4"	45	5,200 - 8,900
180	4	IT/721 007 1	8+8	30	55	4,200 - 7,200
180	5	IT/721 008 1	8+8	30	55	4,200 - 7,200
180	6	IT/721 009 1	8+8	30	55	4,200 - 7,200

Spare Parts

⚠ Tools above also available with a 1 1/4" bore, replace last digit with a 7.

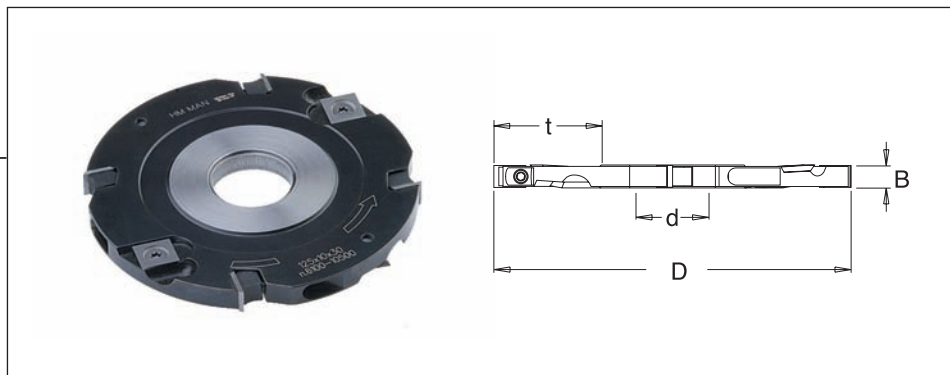
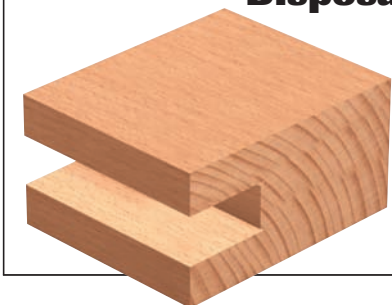
Description	 T.C. Blade			 T.C. Blade		
	Product Ref.	IT/300 850 1/10	IT/300 850 4/10	IT/300 850 5/10	IT/300 850 2/10	IT/300 850 2/10
Size	18x18x2 (B=4mm)	18x18x2.5 (B=5mm)	18x18x2.95 (B=6mm)	14x14x1.2 (B=4mm)	14x14x1.2 (B=5mm)	14x14x1.2 (B=6mm)
Description	 T.C. Blade Nut					
	Product Ref.	IT/192 350 0	IT/192 350 0	IT/192 350 0	IT/192 360 0	IT/192 360 0
Size	M4x0.5x11.1 (B=4mm)	M4x0.5x11.1 (B=5mm)	M4x0.5x11.1 (B=6mm)	M4x0.5x9.9 (B=4mm)	M4x0.5x9.9 (B=5mm)	M4x0.5x9.9 (B=6mm)
Description	 Torx® Screw			 Torx® Key		
	Product Ref.	IT/193 028 0	IT/193 030 0	IT/193 031 0	IT/194 110 0	IT/194 110 0
Size	M4x3.2 (B=4mm)	M4x4 (B=5mm)	M4x5.3 (B=6mm)	T9 (B=4mm)	T9 (B=5mm)	T9 (B=6mm)

Blades sold in packs of ten.



Disposable Insert Grooving Cutters with Scorers 8-12mm

Hard wearing steel body complete with disposable tungsten carbide knives and scorers for improved finish. Suitable for producing grooves and slots in softwood, hardwood and man-made boards (with or without coating) on a spindle moulder. Can be used with spacer rings (see page 106) for comb jointing.



Hand Feed



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øD	B	Product Ref.	Teeth	ød	Max. t	n
125	8	IT/721 010 1	4+4	30	35	6,100 - 10,500
125	10	IT/721 011 1	4+4	30	35	6,100 - 10,500
125	12	IT/721 012 1	4+4	30	35	6,100 - 10,500
150	8	IT/721 013 1	4+4	30	45	5,200 - 8,900
150	8	IT/721 013 7	4+4	1 1/4"	45	5,200 - 8,900
150	10	IT/721 014 1	4+4	30	45	5,200 - 8,900
150	10	IT/721 014 7	4+4	1 1/4"	45	5,200 - 8,900
150	12	IT/721 015 1	4+4	30	45	5,200 - 8,900
150	12	IT/721 015 7	4+4	1 1/4"	45	5,200 - 8,900
180	8	IT/721 016 1	4+8	30	55	4,200 - 7,200
180	10	IT/721 017 1	4+8	30	55	4,200 - 7,200
180	12	IT/721 018 1	4+8	30	55	4,200 - 7,200

Spare Parts

⚠ Tools above also available with a 1 1/4" bore, replace last digit with a 7.

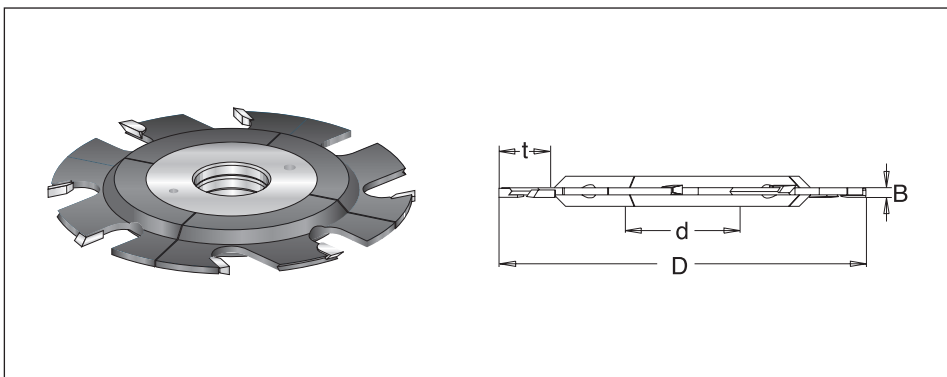
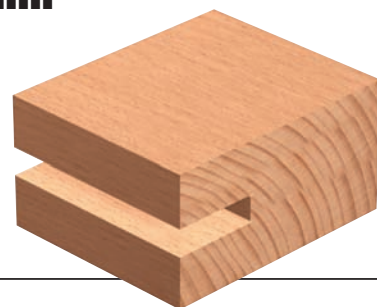
Description	T.C. Blade			Wedge			T.C. Blade		
	IT/310 751 2/10	IT/300 750 7/10	IT/310 750 9/10	IT/199 031 0	IT/199 023 0	IT/199 032 0	IT/300 850 3/10	IT/300 850 3/10	IT/300 850 3/10
Size	7.5x12x1.5 (B=8mm)	9.6x12x1.5 (B=10mm)	11.6x12x1.5 (B=12mm)	L=6.5 (B=8mm)	L=8.5 (B=10mm)	L=10.5 (B=12mm)	14x14x2 (B=8mm)	14x14x2 (B=10mm)	14x14x2 (B=12mm)
Description	Torx® Screw			Hex Screw			Torx® Key		
	IT/193 370 0	IT/193 370 0	IT/193 370 0	IT/193 060 0	IT/193 060 0	IT/193 060 0	IT/194 106 0	IT/194 106 0	IT/194 106 0
Size	M5x6.3 (B=8mm)	M5x6.3 (B=10mm)	M5x6.3 (B=12mm)	M5x16 (B=8mm)	M5x16 (B=10mm)	M5x16 (B=12mm)	T20 (B=8mm)	T20 (B=10mm)	T20 (B=12mm)
Description	Hex Key			Setting Gauge					
	IT/194 008 0	IT/194 008 0	IT/194 008 0	IT/760 102 5					
Size	S2.5 (B=8mm)	S2.5 (B=10mm)	S2.5 (B=12mm)	0.25mm					

Blades sold in packs of ten.



Adjustable Grooving Cutters with Scorers 6.7-13mm

Hard wearing steel body complete with tungsten carbide knives and scorers for improved finish. Suitable for producing various thickness grooves and slots in softwood, hardwood and man-made boards (with or without coating) on a spindle moulder. Cutting width can be adjusted in 0.1mm steps by using supplied spacer rings.



Hand Feed

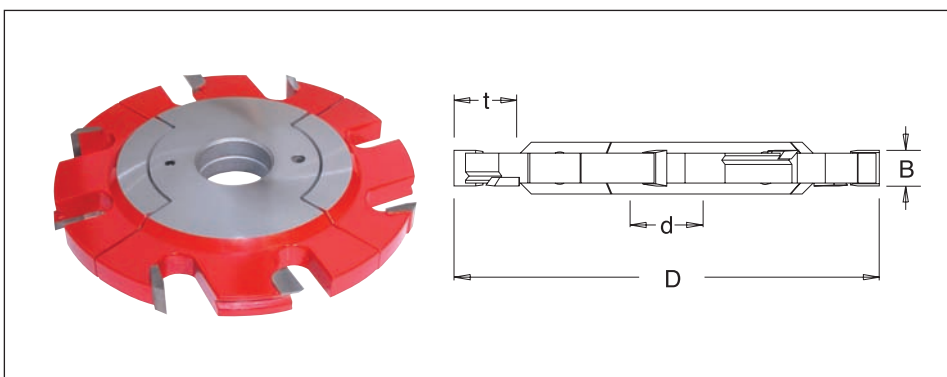
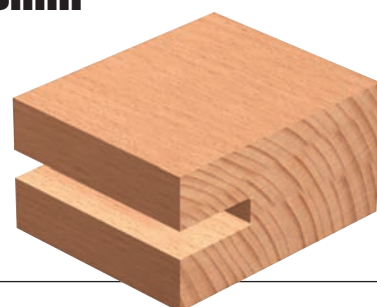
$\varnothing D$	B	Product Ref.	Teeth	$\varnothing d$	Max. t	n
150	6.7-13.0	IT/797 104 1	4+4	30	27	5,200 - 9,000

Spare Parts

Description	Spacer Set
Product Ref.	IT/797 304 1
Size	B=8.3

Adjustable Grooving Cutters with Scorers 12.7-25mm

Hard wearing steel body complete with tungsten carbide knives and scorers for improved finish. Suitable for producing various thickness grooves and slots in softwood, hardwood and man-made boards (with or without coating) on a spindle moulder. Cutting width can be adjusted in 0.1mm steps by using supplied spacer rings.



Hand Feed

$\varnothing D$	B	Product Ref.	Teeth	$\varnothing d$	Max. t	n
150	12.7-25.0	IT/797 107 1	4+4	30	27	5,200 - 9,000

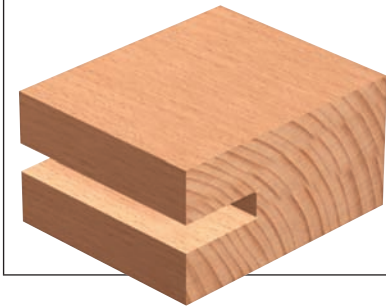
Spare Parts

Description	Spacer Set
Product Ref.	IT/797 307 1
Size	B=16.1



Disposable Insert Adjustable Grooving Cutters with Scorers 4-7.5mm

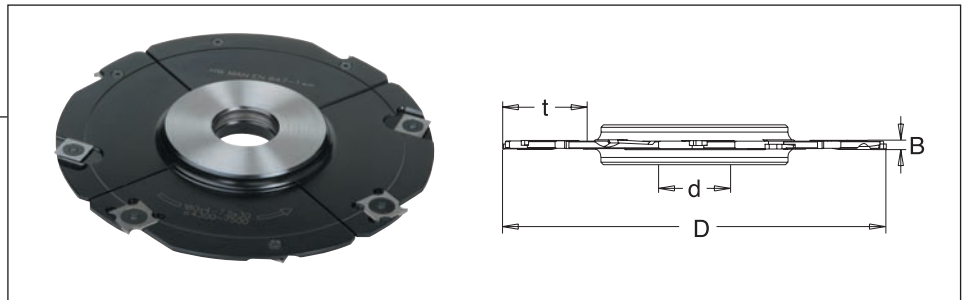
Hard wearing steel body complete with disposable tungsten carbide knives and scorers for improved finish. Suitable for producing various thickness grooves and slots in softwood, hardwood and man made boards (with or without coating) on a spindle moulder. Cutting width can be adjusted in 0.1mm steps by using supplied spacer rings.



Hand Feed



EN847-1/2



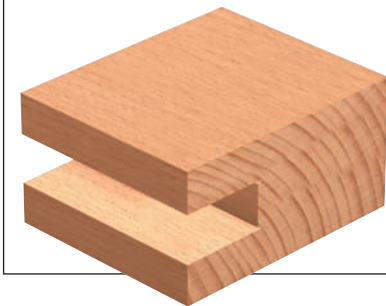
øD	B	Product Ref.	Teeth	ød	Max. t	n
160	4.0-7.5	IT/722 001 1	8+4	30	30	4,800 - 8,300
180	4.0-7.5	IT/722 010 1	8+4	30	40	4,300 - 7,500

Spare Parts

⚠ Tools above also available with a 1 1/4" bore, replace last digit with a 7.

Description	T.C. Blade	T.C. Blade	Spacer Set	T.C. Blade Nut	Torx® Screw	Torx® Key
Product Ref.	IT/300 850 1/10	IT/300 850 2/10	IT/192 690 0	IT/192 360 0	IT/192 350 0	IT/193 028 0
Size	18x18x2	14x14x1.2	B=3.5	M4x0.5x9.9	M4x0.5x11.1	M4x3.2

Blades sold in packs of ten.



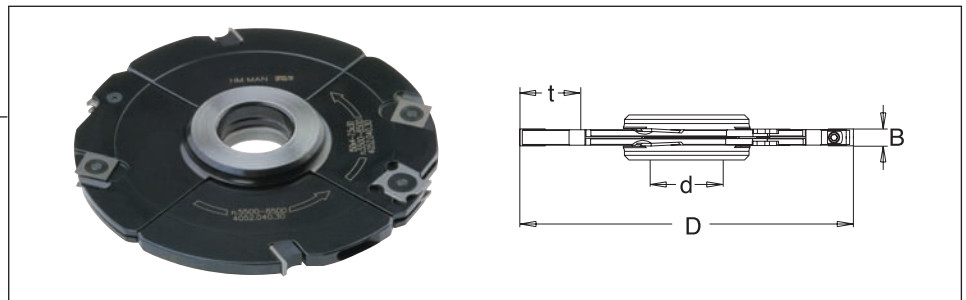
Hand Feed



EN847-1/2

3 Part Disposable Insert Adjustable Grooving Cutters with Scorers 4-15.5mm

Hard wearing steel body complete with disposable tungsten carbide knives and scorers for improved finish. Suitable for producing various thickness grooves and slots in softwood, hardwood and man made boards (with or without coating) on a spindle moulder. Cutting width can be adjusted in 0.1mm steps by using supplied spacer rings.



øD	B	Product Ref.	Teeth	ød	Max. t	n
150	4.0-15.5	IT/722 030 1	2+4+4	30	45	5,500 - 8,500
150	4.0-15.5	IT/722 030 7	2+4+4	1 1/4"	45	5,500 - 8,500

Spare Parts

Desc.	T.C. Blade	Wedge	T.C. Blade	T.C. Blade	Spacer Set	T.C. Blade Nut	Torx® Screw	Set Screw	Torx® Key	Hex Key	Set Gauge	
Product Ref.	IT/310 751 2/10	IT/199 031 0	IT/300 850 1/10	IT/300 850 2/10	IT/192 619 0 (30mm)*	IT/192 360 0	IT/192 350 0	IT/193 028 0	IT/193 060 0	IT/194 110 0	IT/194 008 0	IT/760 102 5
Size	7.5x12x1.5	L=6.5	18x18x2	14x14x1.2	B=8.1	M4x0.5x9.9	M4x0.5x11.1	M4x3.2	M5x16	T9	S2.5	0.25mm

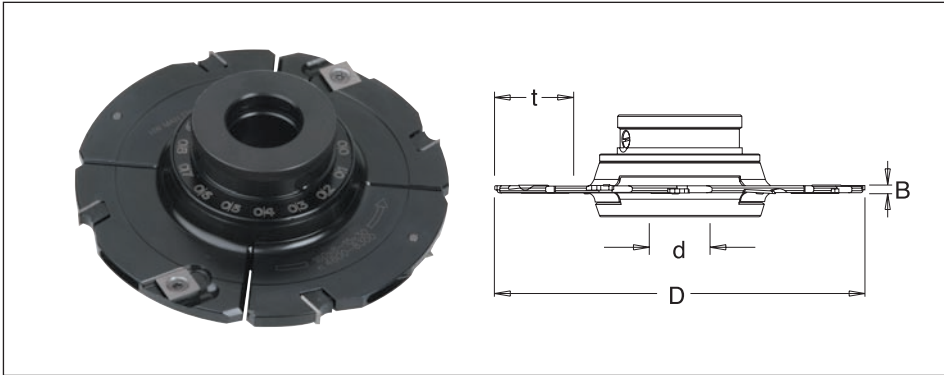
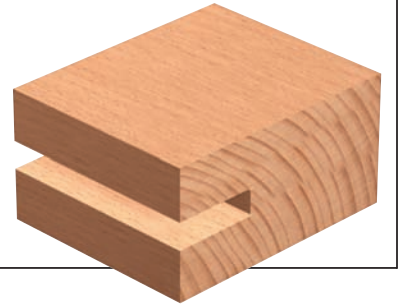
* Spacer set also available in 1 1/4" Product Ref. IT/192 619 7.

Blades sold in packs of ten.



Disposable Insert Adjustable Grooving Cutters with Scorers and Ring Nut 4-7.5mm

Hard wearing steel body complete with disposable tungsten carbide knives and scorers for improved finish. Suitable for producing various thickness grooves and slots in softwood, hardwood and man-made boards (with or without coating) on a spindle moulder. Cutting width can be adjusted in 0.1mm steps by special threaded bush and scale without removing the cutter from the spindle.



øD	B	Product Ref.	Teeth	ød	Max. t	n
160	4.0-7.5	IT/722 016 1	8+4	30	30	4,800 - 8,300
160	4.0-7.5	IT/722 016 7	8+4	1 1/4"	30	4,800 - 8,300
180	4.0-7.5	IT/722 017 1	8+4	30	40	4,300 - 7,500
180	4.0-7.5	IT/722 017 7	8+4	1 1/4"	40	4,300 - 7,500

Spare Parts

Description	T.C. Blade	T.C. Blade	T.C. Blade Nut		Torx® Screw	Torx® Key
Product Ref.	IT/300 850 1/10	IT/300 850 2/10	IT/192 350 0	IT/192 360 0	IT/193 028 0	IT/194 110 0
Size	18x18x2	14x14x2	M4x0.5x11.1	M4x0.5x9.9	M4x3.2	T9

Blades sold in packs of ten.

Disposable Insert Adjustable Grooving Cutters with Scorers and Ring Nut 8-24mm

øD	B	Product Ref.	Teeth	ød	Max. t	n
160	8.0-15.0	IT/722 008 1	4+4	30	30	4,800 - 8,300
160	8.0-15.0	IT/722 008 7	4+4	1 1/4"	30	4,800 - 8,300
160	12.5-24.0	IT/722 009 1	4+4	30	30	4,800 - 8,300
160	12.5-24.0	IT/722 009 7	4+4	1 1/4"	30	4,800 - 8,300
180	8.0-15.0	IT/722 011 1	4+4	30	40	4,800 - 7,500
180	8.0-15.0	IT/722 011 7	4+4	1 1/4"	40	4,800 - 7,500
180	12.5-24.0	IT/722 012 1	4+4	30	40	4,800 - 7,500
180	12.5-24.0	IT/722 012 7	4+4	1 1/4"	40	4,800 - 7,500

Spare Parts

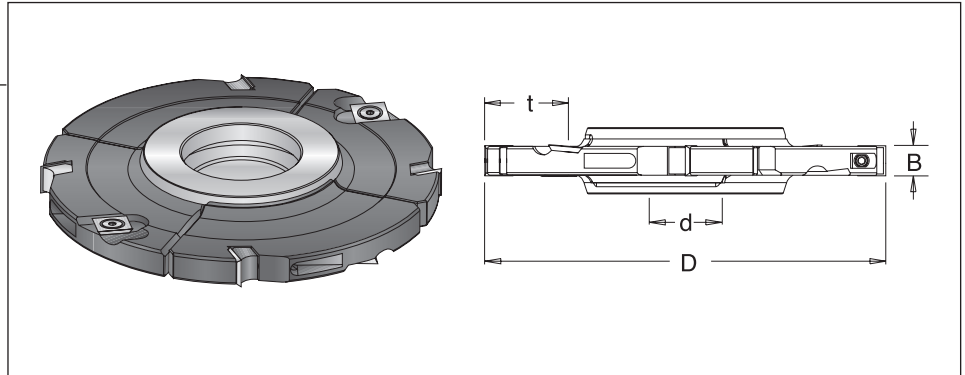
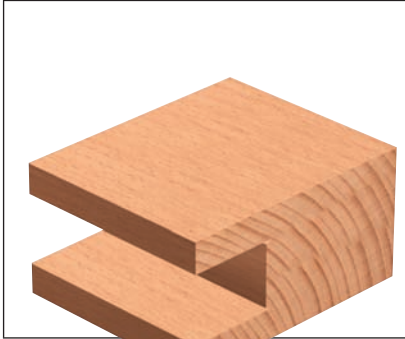
Desc.	T.C. Blade		Wedge		T.C. Blade	Torx® Screw	Set Screw	Torx® Key	Hex Key	Set Gauge
Product Ref.	IT/310 751 2/10	IT/300 750 9/10	IT/199 031 0	IT/199 032 0	IT/300 850 3/10	IT/193 370 0	IT/193 060 0	IT/194 106 0	IT/194 008 0	IT/760 102 5
Size	B=8-15mm	B=12.5-24mm	L=6.5	L=10.5	14x14x2	M5x6.3	M5x16	T20	S2.5	0.25mm

Blades sold in packs of ten.



Disposable Insert Adjustable Grooving Cutters with Scorers 8.0 - 24mm

Hard wearing steel body complete with disposable tungsten carbide knives and scorers for improved finish. Suitable for producing various thickness grooves and slots in softwood, hardwood and man-made boards (with or without coating) on a spindle moulder. Cutting width can be adjusted in 0.1mm steps by using supplied spacer rings.



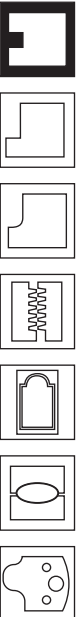
øD	B	Product Ref.	Teeth	ød	Max. t	n
160	8.0-15.0	IT/722 002 1	4+4	30	30	4,800 - 8,300
160	8.0-15.0	IT/722 002 7	4+4	1 1/4"	30	4,800 - 8,300
160	12.5-24.0	IT/722 003 1	4+4	30	30	4,800 - 8,300
160	12.5-24.0	IT/722 003 7	4+4	1 1/4"	30	4,800 - 8,300
180	8.0-15.0	IT/722 004 1	4+4	30	40	4,300 - 7,500
180	12.5-24.0	IT/722 005 1	4+4	30	40	4,300 - 7,500

! Also available with a 1 1/4" bore, replace last digit with a 7.

Spare Parts

Description	T.C. Blade		Wedge		T.C. Blade	Spacer Set (30mmØd)		Torx® Screw
Product Ref.	IT/310 751 2/10 B=8-15mm	IT/300 750 9/10 B=12.5-24mm	IT/199 031 0 B=8-15mm	IT/199 032 0 B=12.5-24mm	IT/300 850 3/10	IT/192 691 0 B=8-15mm	IT/192 692 0 B=12.5-24mm	IT/193 370 0
Size	7.5x12x1.5	11.6x12x1.5	L=6.5	L=10.5	14x14x2	B=7	B=11.5	M5x6.3
Description	Set Screw	Torx® Key	Hex Key	Setting Gauge	Spacer Set (1 1/4"Ød)			
Product Ref.	IT/193 060 0	IT/194 106 0	IT/194 008 0	IT/760 102 5	IT/1926917 B=8-15mm	IT/1926927 B=12.5-24mm		
Size	M5x16	T20	S2.5	0.25mm	B=7	B=11.5		

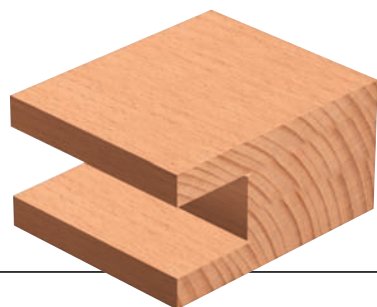
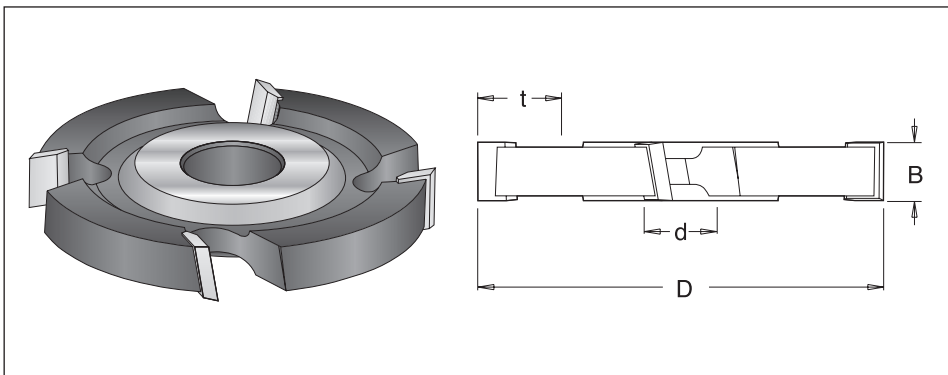
Blades sold in packs of ten.





Rebating and Grooving Cutters 18-50mm

Hard wearing steel tool body complete with four alternately sheared tungsten carbide knives for machining large surface areas. Suitable for producing wide grooves and rebates in softwood, hardwood and man-made boards (with or without coating) on a spindle moulder.

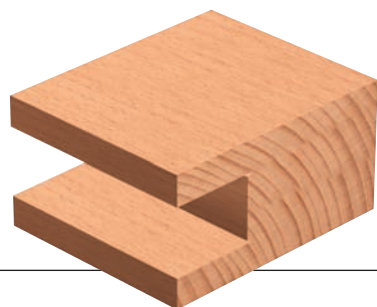
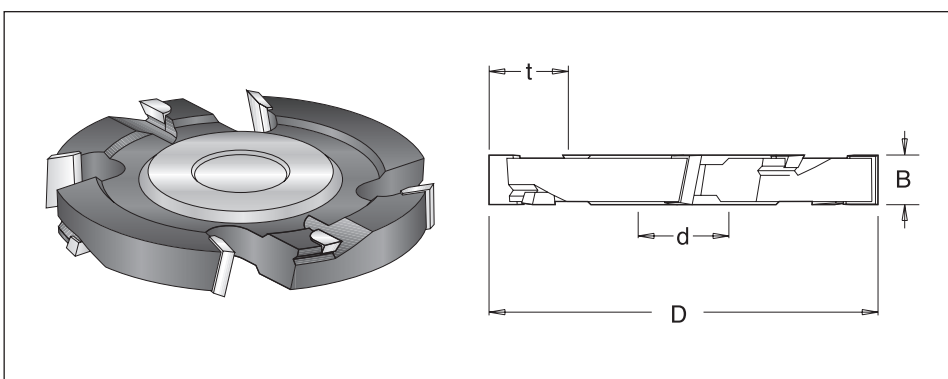


Hand Feed

$\varnothing D$	B	Product Ref.	Teeth	$\varnothing d$	Max. t	n
125	18	IT/708 001 1	4	30	32	6,200 - 10,500
125	20	IT/708 004 1	4	30	32	6,200 - 10,500
125	25	IT/708 007 1	4	30	32	6,200 - 10,500
125	30	IT/708 010 1	4	30	32	6,200 - 10,500
125	35	IT/708 013 1	4	30	32	6,200 - 10,500
125	40	IT/708 019 1	4	30	32	6,200 - 10,500
125	45	IT/708 022 1	4	30	32	6,200 - 10,500
125	50	IT/708 025 1	4	30	32	6,200 - 10,500

Rebating and Grooving Cutters with Scorers 20-40mm

Hard wearing steel tool body complete with four alternately sheared tungsten carbide knives and scorers for machining large surface areas. Suitable for producing wide grooves and rebates in softwood, hardwood and man-made boards (with or without coating) on a spindle moulder.



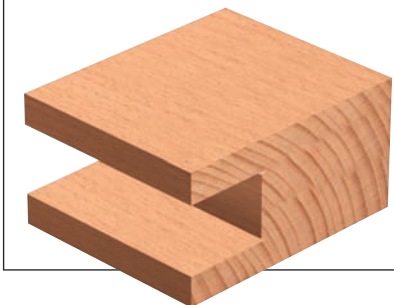
Hand Feed

$\varnothing D$	B	Product Ref.	Teeth	$\varnothing d$	Max. t	n
125	20	IT/708 104 1	4+4	30	32	6,200 - 10,500
125	25	IT/708 107 1	4+4	30	32	6,200 - 10,500
125	30	IT/708 110 1	4+4	30	32	6,200 - 10,500
125	35	IT/708 113 1	4+4	30	32	6,200 - 10,500
125	40	IT/708 119 1	4+4	30	32	6,200 - 10,500

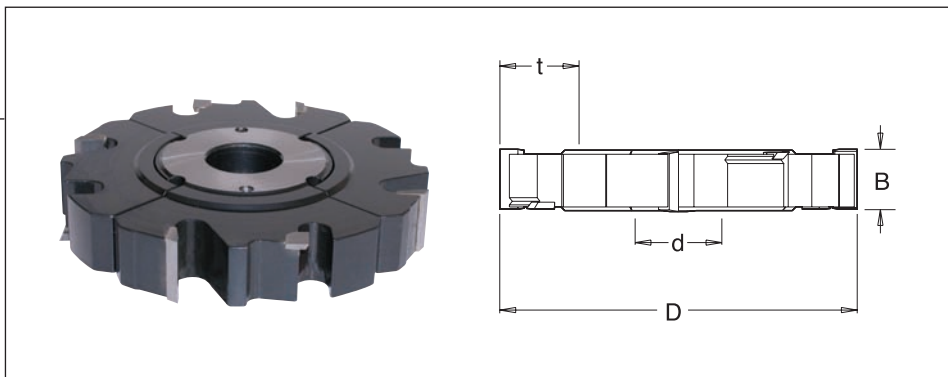


Adjustable Grooving and Rebating Cutters with Scorers 25-49.5mm

Hard wearing steel body complete with tungsten carbide knives and scorers for improved finish. Suitable for producing various thickness grooves and rebates in softwood, hardwood and man-made boards (with or without coating) on a spindle moulder. Cutting width can be adjusted in 0.1mm steps by using supplied spacer rings.



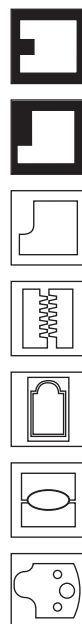
Hand Feed



$\varnothing D$	B min-max	Product Ref.	Teeth	$\varnothing d$	Max. t	n
150	25.0-49.5	IT/797 110 1	4+4	30	27	5,200 - 9,000

Spare Parts

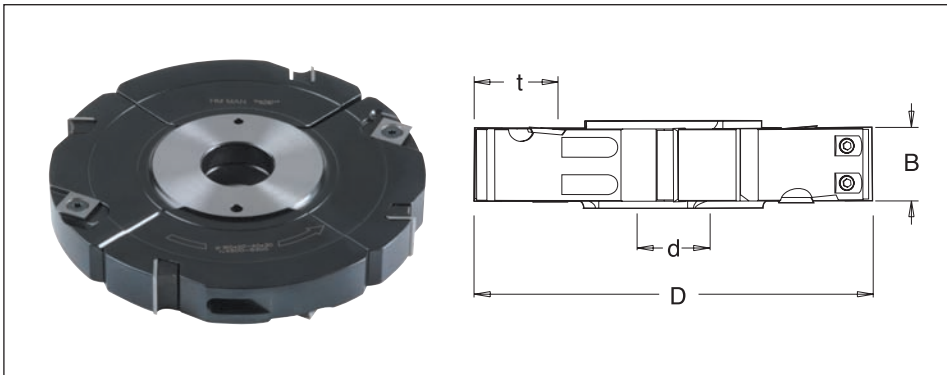
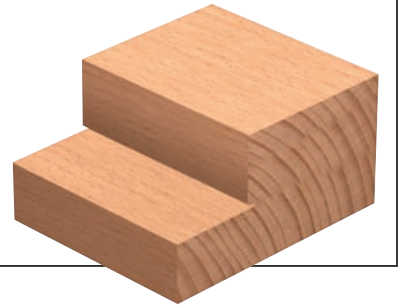
Description	Spacer Set
Product Ref.	IT/797 310 1 B=26.1





Disposable Insert Adjustable Grooving and Rebating Cutters with Scorers 20.6-100mm

Hard wearing steel body complete with disposable tungsten carbide knives and scorers for improved finish. Suitable for producing various thickness grooves and rebates in softwood, hardwood and man-made boards (with or without coating) on a spindle moulder. Cutting width can be adjusted in 0.1mm steps by using supplied spacer rings.



øD	B	Product Ref.	Teeth	ød	Max. t	n
160	20.6-40	IT/722 007 1	4+4	30	40	4,800 - 8,000
160	20.6-40	IT/722 007 7	4+4	1 1/4"	40	4,800 - 8,000
160	30.6-60	IT/722 032 1	4+4	30	40	4,800 - 8,000
160	30.6-60	IT/722 032 7	4+4	1 1/4"	40	4,800 - 8,000
160	50.6-100	IT/722 033 1	4+4	30	40	4,800 - 8,000
200	20.6-40	IT/722 027 1	4+4	30	50	4,000 - 6,500
200	30.6-60	IT/722 028 1	4+4	30	50	4,000 - 6,500
200	50.6-100	IT/722 029 1	4+4	30	50	4,000 - 6,500

⚠ Tools above also available with a 1 1/4" bore, replace last digit with a 7.

Spare Parts

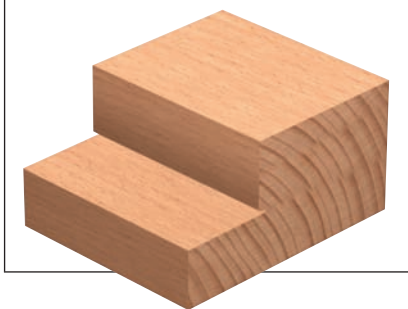
Description	T.C. Blade			Wedge			T.C. Blade	Setting Gauge
Product Ref.	IT/310 122 0/10 B=20.6-40mm	IT/310 123 0/10 B=30.6-60mm	IT/310 125 0/10 B=50.6-100mm	IT/199 033 0 B=20.6-40mm	IT/199 051 0 B=30.6-60mm	IT/199 048 0 B=50.6-100mm	IT/300 850 3/10	IT/760 102 5
Size	20x12x1.5	30x12x1.5	50x12x1.5	L=19	L=28	L=48	14x14x2	0.25mm
Description	Spacer Set (30mm Ød)			Torx® Screw	Set Screw	Torx® Key	Hex Key	
Product Ref.	IT/192 693 0 B=20.6-40mm	IT/192 698 0 B=30.6-60mm	IT/192 699 0 B=50.6-100mm	IT/193 370 0	IT/193 026 5	IT/194 106 0	IT/194 003 5	
Size	B=20	B=29.5	B=49.5	M5x6.3	M6x16	T20	S3	
Description	Spacer Set (1 1/4" Ød)							
Product Ref.	IT/192 693 7 B=20.6-40mm	IT/192 678 7 B=30.6-60mm	IT/192 679 7 B=50.6-100mm					
Size	B=20	B=29.5	B=49.5					

Blades sold in packs of ten.



Disposable Insert Rebating Cutter Blocks

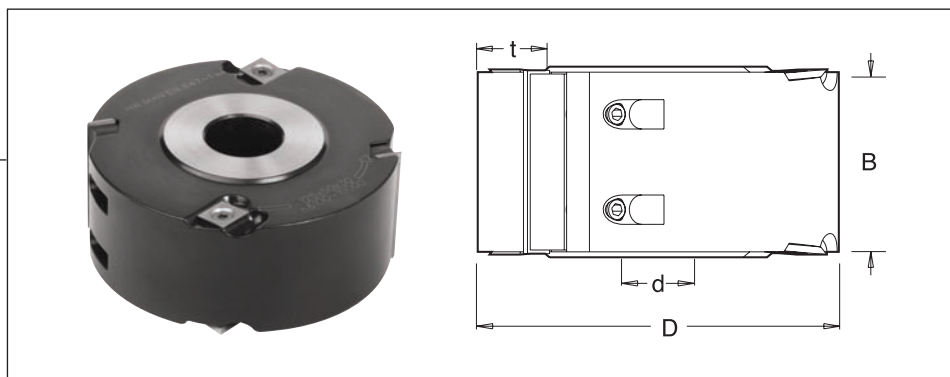
Cutterhead bodies available in hard wearing aluminium or steel, complete with disposable tungsten carbide knives and scorers for improved finish. Suitable for producing various thickness rebates in softwood, hardwood and man-made boards (with or without coating) on a spindle moulder.



Hand Feed



EN847-1/2



øD	B	Product Ref.	Teeth	ød	Max. t	n
85	50	IT/733 104 1	2+4	30	8	9,000 - 15,000
90	40	IT/733 201 1*	2+4	30	15	8,500 - 12,000
100	30	IT/733 105 1	2+4	30	20	7,600 - 12,900
100	50	IT/733 106 1	2+4	30	20	7,600 - 12,900
125	30	IT/733 110 1	2+4	30	30	6,100 - 10,000
125	30	IT/733 110 7	2+4	1 1/4"	30	6,100 - 10,000
125	50	IT/733 102 1	2+4	30	30	6,100 - 10,000
125	50	IT/733 102 7	2+4	1 1/4"	30	6,100 - 10,000
125	50	IT/733 302 1*	2+4	30	30	6,100 - 10,000
125	60	IT/733 103 1	2+4	30	30	6,100 - 10,000
125	60	IT/733 103 7	2+4	1 1/4"	30	6,100 - 10,000

! * Aluminium body

! Tools above also available with a 1 1/4" bore, replace last digit with a 7.

Spare Parts

Description	T.C. Blade				Wedge			
	IT/310 123 0/10 B=30mm	IT/300 052 8/10 B=40mm	IT/310 125 0/10 B=50mm	IT/300 053 1/10 B=60mm	IT/199 051 0 B=30mm	IT/199 046 0 B=40mm	IT/199 048 0 B=50	IT/199 033 7 B=60
Size	30x12x1.5	40x12x1.5	50x12x1.5	60x12x1.5	L=28	L=38	L=48	L=58
Description	T.C. Blade	Torx® Screw	Set Screw	Torx® Key	Hex Key	Setting Gauge		
Product Ref.	IT/300 850 3/10	IT/193 370 0	IT/193 026 5 B=30,50&60	IT/193 065 0 B=40	IT/194 106 0	IT/194 003 5	IT/760 105 5	
Size	14x14x2	M5x6.3	M6x16	M6x10	T20	S3	0.55mm	

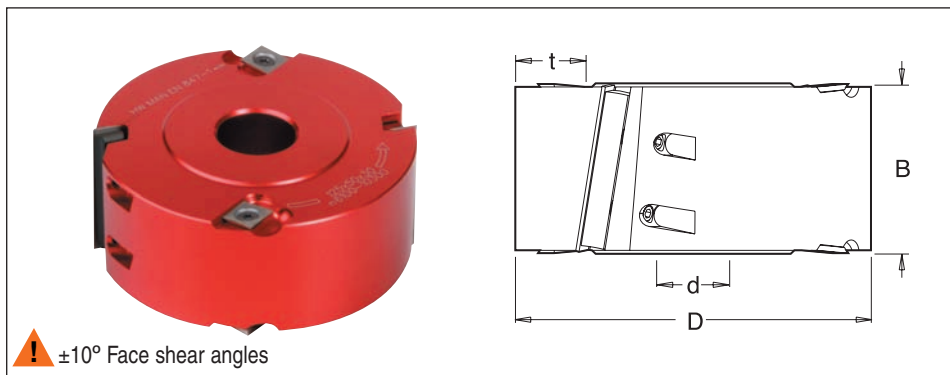
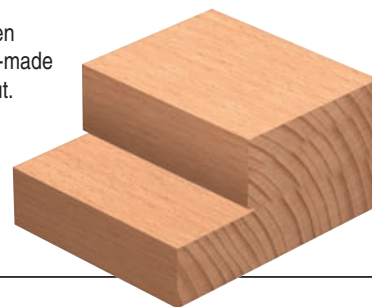
Blades sold in packs of ten.





Disposable Insert Shear Rebating Cutter Blocks

Cutterhead bodies available in hard wearing aluminium or steel, complete with shear angle disposable tungsten carbide knives and scorers. Suitable for producing various thickness rebates in softwood, hardwood and man-made boards (with or without coating) on a spindle moulder. Shear angle reduces tear out and improve quality of cut.



Hand Feed EN847-1/2

øD	B	Product Ref.	Teeth	ød	Max. t	n
125	30	IT/733 001 1	4+4	30	27	6,100 - 10,300
125	30	IT/733 001 7	4+4	1 1/4"	27	6,100 - 10,300
125	50	IT/733 004 1*	2+4	30	27	6,100 - 10,300
125	50	IT/733 004 7*	2+4	1 1/4"	27	6,100 - 10,300
125	50	IT/733 002 1	4+4	30	27	6,100 - 10,300
125	50	IT/733 002 7	4+4	1 1/4"	27	6,100 - 10,300
125	60	IT/733 005 1*	2+4	30	27	6,100 - 10,300
125	60	IT/733 005 7*	2+4	1 1/4"	27	6,100 - 10,300
150	60	IT/733 006 1*	2+4	30	40	5,200 - 8,600
150	60	IT/733 006 7*	2+4	1 1/4"	40	5,200 - 8,600

! * Aluminium body

Spare Parts

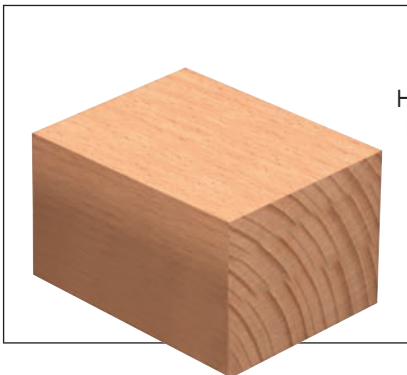
Description	T.C. Blade			Wedge			T.C. Blade	Torx® Screw
Product Ref.	IT/310 123 0/10 B=30mm	IT/310 125 0/10 B=50mm	IT/300 053 1/10	IT/199 027 5 B=60mm	IT/199 045 0 B=30mm	IT/199 033 6 B=50mm	IT/300 850 3/10 B=60mm	IT/193 370 0
Size	30x12x1.5	50x12x1.5	60x12x1.5	L=26	L=46	L=56	14x14x2	M5x6.3
Description	Set Screw		Torx® Key	Hex Key	Set Gauge			
Product Ref.	IT/193 026 5 B=30&60	IT/193 065 0 B=50	IT/194 106 0	IT/194 003 5	IT/760 105 5			
Size	M6x16	M6x10	T20	S3	0.55mm			

Blades sold in packs of ten.

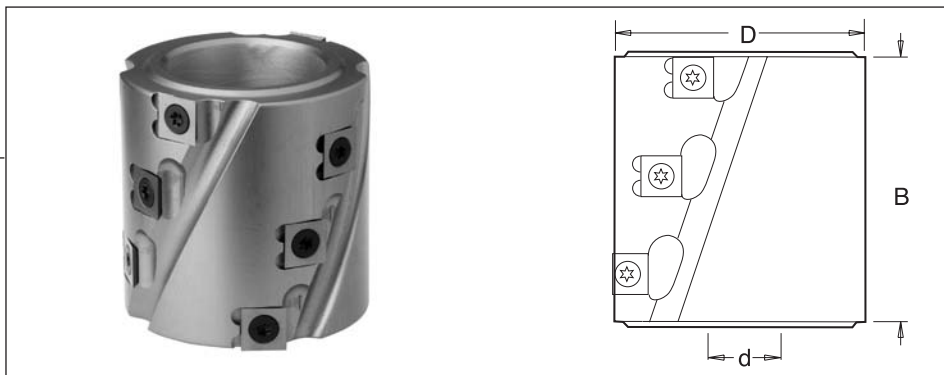


Disposable Insert Planing Cutter Blocks

Hard wearing aluminium body complete with spiral positioned disposable tungsten carbide knives. Suitable for planing and jointing in softwood, hardwood and man-made boards on a spindle moulder. Can be used with a bearing guide and ring fence for planing and routing curved work pieces with a template.



Hand Feed



øD	B	Product Ref.	Teeth	ød	n
62	80	IT/ST/PH001	12	30	8,000-12,000
62	80	IT/ST/PH007	12	1 1/4"	8,000-12,000
80	100	IT/ST/PH011*	16	30	8,000-12,000
80	100	IT/ST/PH017*	16	1 1/4"	8,000-12,000

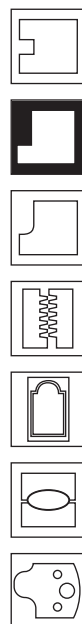
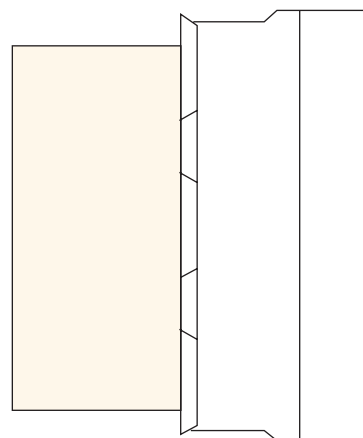
Spare Parts

Description	T.C. Blade	Torx® Screw	Torx® Key	Ball Bearing	
Product Ref.	IT/300 850 3/10	IT/TS/01	IT/TK/01	IT/B62X30	IT/B62X114
Size	14x14x2	M5x8	T25	62x16x30	62x16x1 1/4"

Blades sold in packs of ten.

! Because of the staggered nature of tungsten carbide knives, this cutterhead will leave slight witness lines on the edge of material.

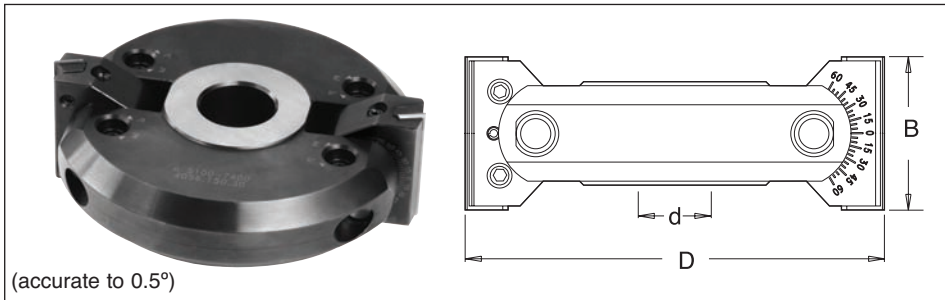
*See page 105 for details of 80mm guide ring.



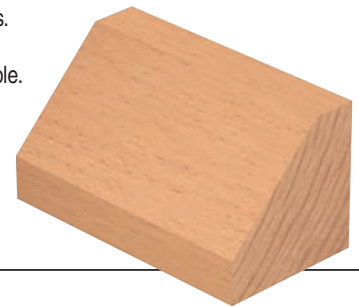


Disposable Insert Adjustable Chamfer Cutter Blocks

Cutterhead bodies available in hard wearing aluminium or steel, complete with disposable tungsten carbide knives. Suitable for producing chamfer cuts at various angles in softwood, hardwood and man-made boards on a spindle moulder. Cutting angle can be adjusted in 7.5° steps by using notched scale. Fine adjustment of 1° is also possible.



(accurate to 0.5°)



øD	B	Product Ref.	a	ød	n
110	40	IT/734 014 1	-45.0° → +45.0°	30	7,000 - 9,000
110	40	IT/734 014 7	-45.0° → +45.0°	1 1/4"	7,000 - 9,000
120	40	IT/734 015 1*	-45.0° → +45.0°	30	6,400 - 8,500
130	50	IT/734 016 1	-67.5° → +67.5°	30	5,000 - 8,500
150	50	IT/734 017 1	-90.0° → +90.0°	30	5,100 - 7,400
150	50	IT/734 017 7	-90.0° → +90.0°	1 1/4"	5,100 - 7,400

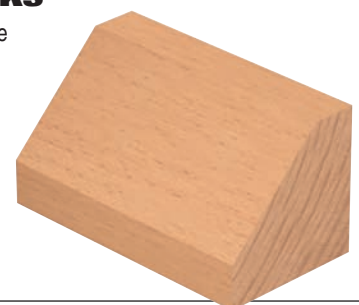
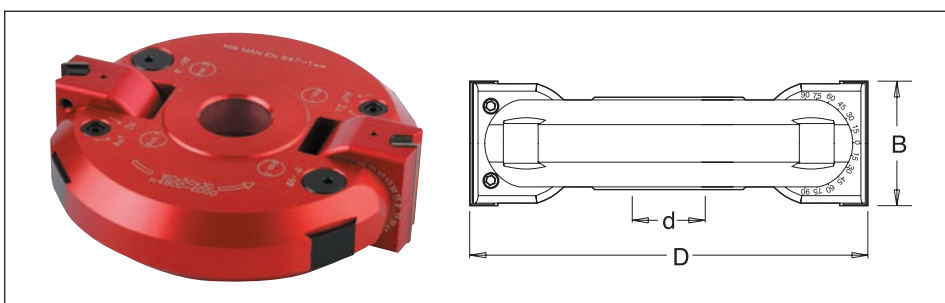
Spare Parts ⚠ Tools above also available with a 1 1/4" bore, replace last digit with a 7.

⚠ *Aluminium body

Description	T.C. Blade		Wedge		Hex Screw	Locking Wedge	Hex Key	
Product Ref.	IT/300 052 8/10 B=40	IT/310 125 0/10 B=50	IT/199 082 0 B=40	IT/199 083 0 B=50	IT/193 049 4	IT/199 403 1	IT/194 003 5	IT/194 003 6
Size	40x12x1.5	50x12x1.5	L=38	L=48	M6x8		S3	S4

Disposable Insert Adjustable Chamfer Cutter Blocks

Cutterhead bodies available in hard wearing aluminium complete with disposable tungsten carbide knives. Suitable for producing chamfer cuts at various angles in softwood, hardwood and man-made boards on a spindle moulder. Fine adjustment of the cutting angle in 1° steps is possible by using the special geared mechanism.



øD	B	Product Ref.	a	ød	n
160	50	IT/734 030 1	-90° → +90°	30	4,800 - 6,000
160	50	IT/734 030 7	-90° → +90°	1 1/4"	4,800 - 6,000
170	60	IT/734 035 1	-90° → +90°	30	4,500 - 6,000
170	60	IT/734 035 7	-90° → +90°	1 1/4"	4,500 - 6,000

Spare Parts

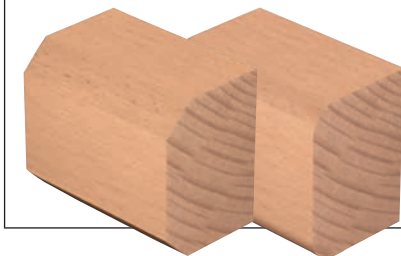
Description	T.C. Blade		Wedge		Hex Screw	Locking Wedge	Hex Key	
Product Ref.	IT/310 125 0/10 B=50	IT/300 053 1/10 B=60	IT/199 080 0 B=50	IT/199 081 0 B=60	IT/193 065 0	IT/199 403 0	IT/194 003 5	IT/194 003 6
Size	50x12x1.5	60x12x1.5	L=48	L=58	M6x10		S3	S4

Blades sold in packs of ten.

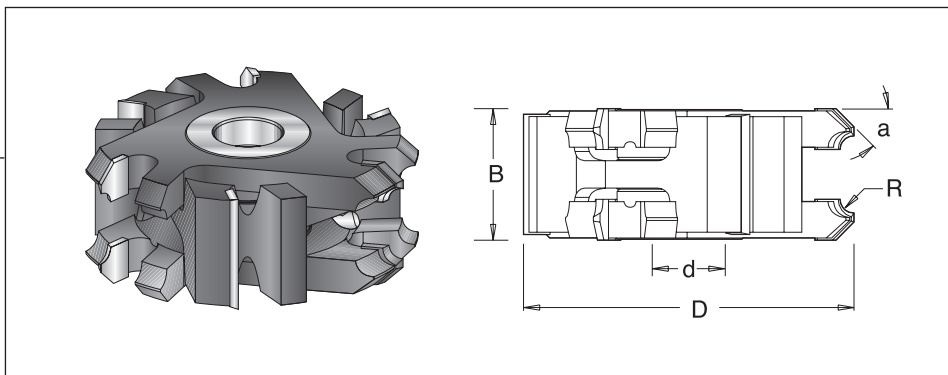


Adjustable Rounding & Chamfering Cutter Block Sets

Hard wearing steel body complete with tungsten carbide knives. Three piece set suitable for rounding over or chamfering various thicknesses of softwood, hardwood and man-made boards on a spindle moulder. Cutting width can be adjusted by using supplied spacer rings.



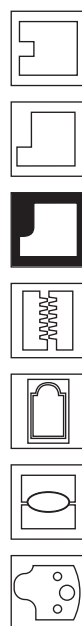
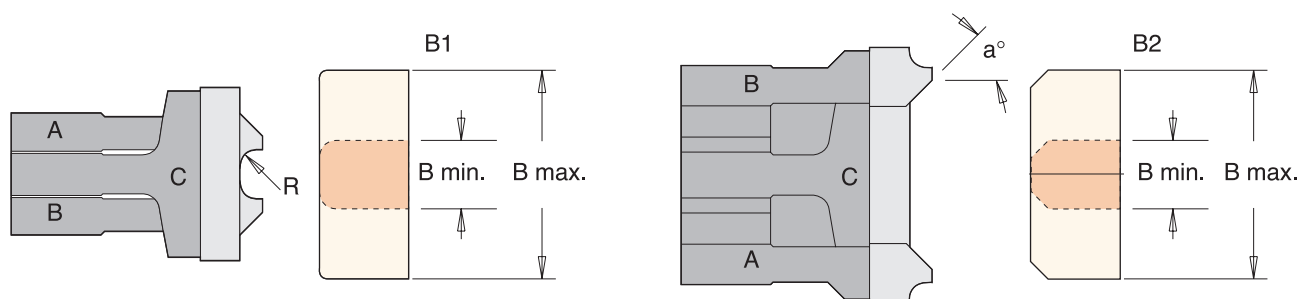
Hand Feed



	øD	B1 min-max	B2 min-max	Product Ref.	Teeth	R	a	ød	n
Complete	160	17-60	15-45	IT/705 080 1	3	8	45°	30	4,800 - 8,400
Cutter A	160	18		IT/705 081 1	3	8	45°	30	
Cutter B	160	21		IT/705 082 1	3	8	45°	30	
Cutter C	140	53		IT/705 090 1	3			30	
Complete	154	15-60	15-45	IT/705 070 1	3	5	45°	30	5,200 - 9,000
Cutter A	154	18		IT/705 071 1	3	5	45°	30	
Cutter B	154	18		IT/705 072 1	3	5	45°	30	
Cutter C	140	53		IT/705 090 1	3			30	

Spare Parts

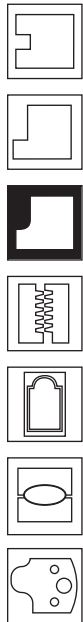
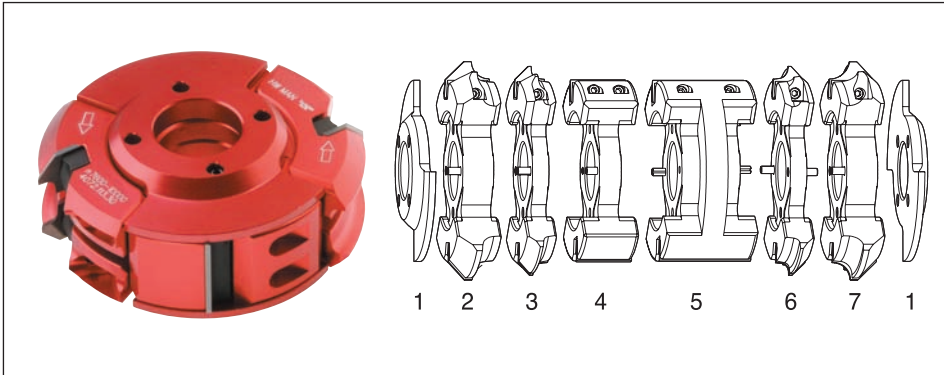
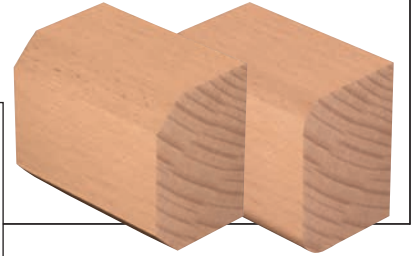
Description	Spacer Set
Product Ref.	IT/192 700 1





Disposable Insert Adjustable Rounding & Chamfering Cutter Block Sets

Hard wearing aluminium body complete with disposable tungsten carbide knives. Four types of set suitable for rounding over or chamfering softwood, hardwood and man-made boards on a spindle moulder. Cutting width dependant on set ordered, but it is possible to machine timber from 19 – 70mm wide. Cutting width can be adjusted by using supplied spacer rings. Recommended RPM 7,600 - 10,000.



	øD	R	Product Ref.	B	Cutter	ød
Set A1	113	2-5	IT/752 002 1	19-44	1,3,4,6,1	30
Straight cutter	100		IT/732 003 1	30		30
Left cutter	113	2-5	IT/752 012 1	16		30
Right cutter	113	2-5	IT/752 022 1	16		30
Covering plate	98		IT/752 020 1	9		30
Set A2	113	2-5	IT/752 003 1	39-64	1,3,5,6,1	30
Straight cutter	100		IT/732 004 1	50		30
Left cutter	113	2-5	IT/752 012 1	16		30
Right cutter	113	2-5	IT/752 022 1	16		30
Covering plate	98		IT/752 020 1	9		30
Set B1	118	6-10	IT/752 004 1	25-50	1,2,4,7,1	30
Straight cutter	100		IT/732 003 1	30		30
Left cutter	118	6-10	IT/752 014 1	24		30
Right cutter	118	6-10	IT/752 024 1	24		30
Covering plate	98		IT/752 020 1	9		30
Set B2	118	6-10	IT/752 005 1	45-70	1,2,5,7,1	30
Straight cutter	100		IT/732 004 1	50		30
Left cutter	118	6-10	IT/752 014 1	24		30
Right cutter	118	6-10	IT/752 024 1	24		30
Covering plate	98		IT/752 020 1	9		30

Sets A1 & A2 come complete with R3 knives.

Sets B1 & B2 come complete with R10 knives.

	R	Right	Left
T.C. Blade	2	IT/300 950 2	IT/300 950 2L
T.C. Blade	3	IT/300 950 3	IT/300 950 3L
T.C. Blade	4	IT/300 950 4	IT/300 950 4L
T.C. Blade	5	IT/300 950 5	IT/300 950 5L
T.C. Blade	6	IT/300 950 6	IT/300 950 6L
T.C. Blade	7	IT/300 950 7	IT/300 950 7L
T.C. Blade	8	IT/300 950 8	IT/300 950 8L
T.C. Blade	9	IT/300 950 9	IT/300 950 9L
T.C. Blade	10	IT/300 951 0	IT/300 951 0L

	øD	R	Product Ref.	B	Cutter	ød
Set A1	113	2-5	IT/752 002 7	19-44	1,3,4,6,1	1 1/4"
Set A2	113	2-5	IT/752 003 7	39-64	1,3,5,6,1	1 1/4"
Set B1	118	6-10	IT/752 004 7	25-50	1,2,4,7,1	1 1/4"
Set B2	118	6-10	IT/752 005 7	45-70	1,2,5,7,1	1 1/4"

	Product Ref.	
Wedge	IT/199 065 0	L=14
Wedge	IT/199 065 0	L=14
Wedge	IT/199 065 0	L=14
Wedge	IT/199 065 0	L=14
Wedge	IT/199 066 0	L=22
Wedge	IT/199 066 0	L=22
Wedge	IT/199 066 0	L=22
Wedge	IT/199 066 0	L=22
Wedge	IT/199 066 0	L=22

Blades sold in singles.



Spare Parts

Description	T.C. Blade		Wedge		Spacer Set		Set Screw	Hex Key
Product Ref.	IT/310 123 0/10 B=30	IT/310 125 0/10 B=50	IT/199 067 0 B=30	IT/199 068 0 B=50	IT/192 790 1 30mm	IT/192 790 7 1 1/4"	IT/193 026 5	IT/194 003 5
Size	30x12x1.5	50x12x1.5	L=28	L=48	D=60 B=25	D=60 B=25	M6x16	S3

Blades sold in packs of ten.

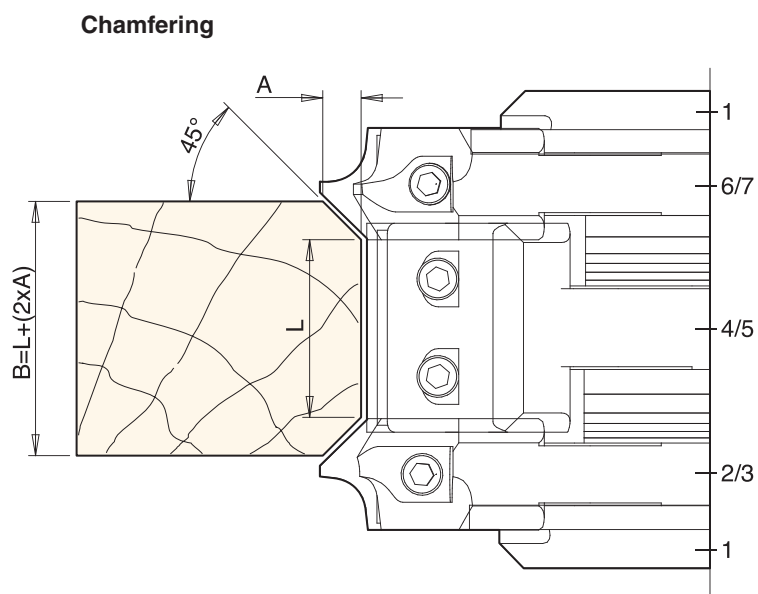
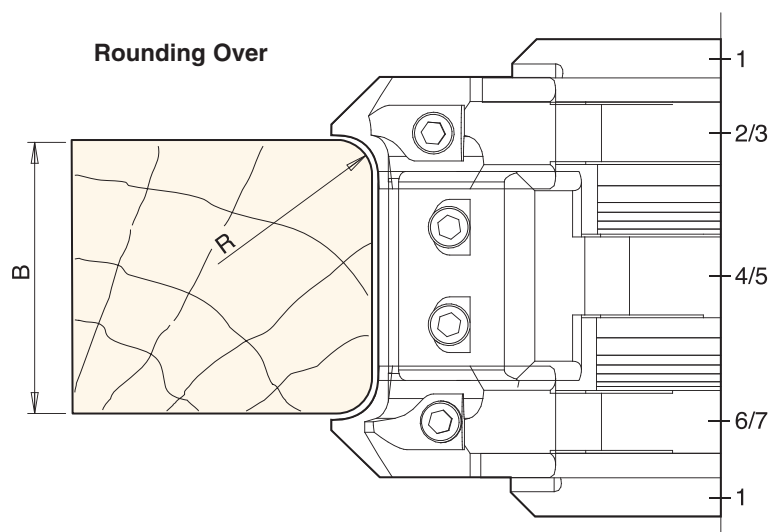
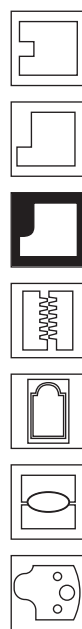


Table to determine A and L dimensions

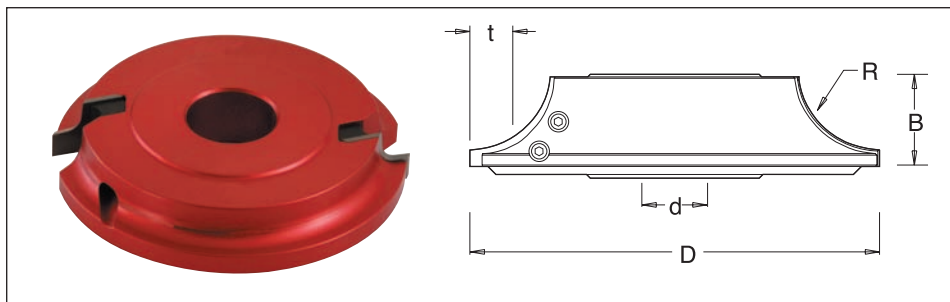
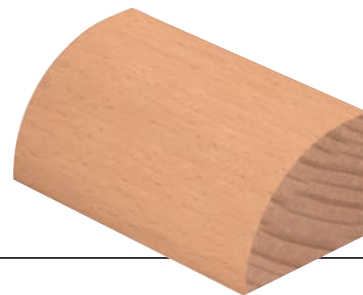
Product Ref.	A (max)	L (min-max)
IT/7520021	6.5	5-30
IT/7520031	6.5	25-50
IT/7520041	9	5-30
IT/7520051	9	25-50





Disposable Insert Rounding Over Cutter Blocks

Hard wearing aluminium body complete with disposable tungsten carbide knives. Suitable for rounding over softwood, hardwood and man-made boards on a spindle moulder. Can be used with 100mm diameter bearing for shaping work.



Hand Feed



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øD	R	Product Ref.	B	ød	n
120	3	IT/752 423 1	20	30	6,400 - 10,000
120	4	IT/752 424 1	20	30	6,400 - 10,000
120	5	IT/752 425 1 ❖	20	30	6,400 - 10,000
120	6	IT/752 426 1	20	30	6,400 - 10,000
120	8	IT/752 428 1	20	30	6,400 - 10,000
120	10	IT/752 430 1	20	30	6,400 - 10,000
120	3-10	IT/752 410 1 (Set)	20	30	6,400 - 10,000
120	3-10	IT/752 410 7 (Set)	20	1 1/4"	6,400 - 10,000
130	15	IT/752 435 1 ❖	20	30	5,400 - 9,000
140	20	IT/752 440 1 ❖	25	30	5,400 - 9,000
150	25	IT/752 445 1	30	30	5,400 - 9,000
160	30	IT/752 450 1 ❖	35	30	5,400 - 9,000

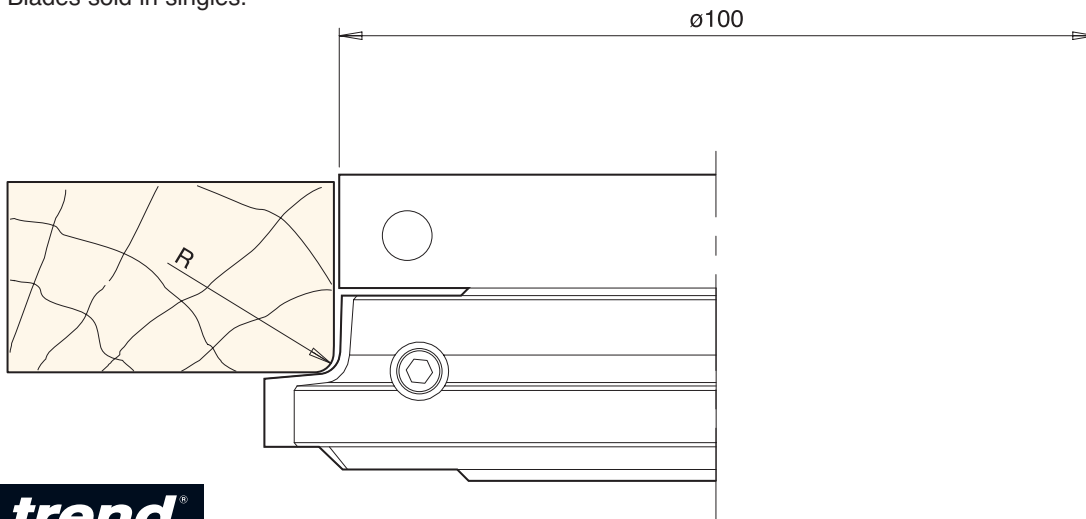
Spare Parts

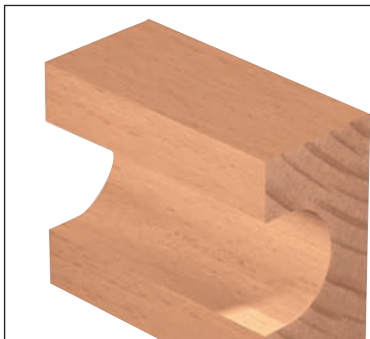


❖ Tools above also available with a 1 1/4" bore, replace last digit with a 7.

Desc.	T.C. Blade										
Product Ref.	IT/310 890 3 (R=3)	IT/310 890 4 (R=4)	IT/310 890 5 (R=5)	IT/310 890 6 (R=6)	IT/310 890 8 (R=8)	IT/310 891 0 (R=10)	IT/310 891 5 (R=15)	IT/310 892 0 (R=20)	IT/310 892 5 (R=25)	IT/310 893 0 (R=30)	
Desc.	Wedge				Set Screw	Hex Key	Accessory	Accessory			
Product Ref.	IT/199 032 7 (R=3-15)	IT/199 097 0 (R=20)	IT/199 098 0 (R=25)	IT/199 099 0 (R=30)	IT/193 026 5	IT/194 003 5	IT/191 540 1	IT/1915407			
Size	L=17	L=24	L=29	L=34	M6x16	S3	100x15x30	100x15x1 1/4"			

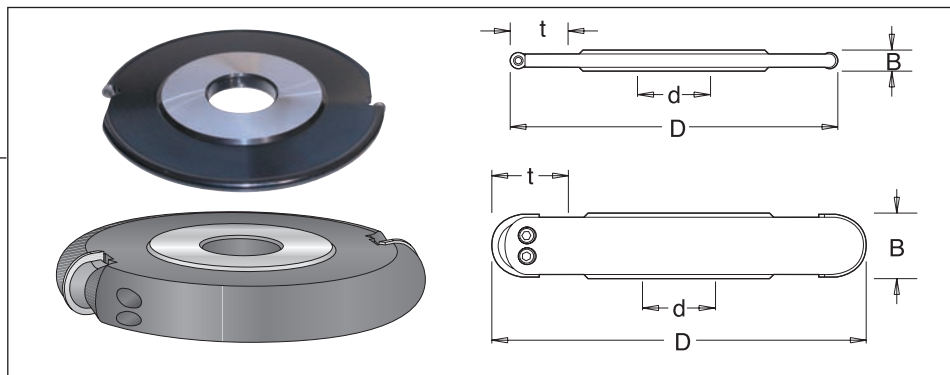
Blades sold in singles.





Disposable Insert Radius Profile Cutter Blocks

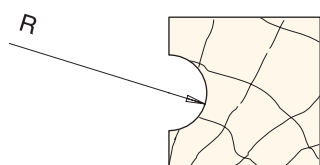
Cutterhead bodies in hard wearing aluminium or steel, complete with disposable tungsten carbide knives. Suitable for producing various radii coves or rule joints in softwood, hardwood and man-made boards on a spindle moulder. All cutterheads can be used with a 120mm bearing for cutting uniform depth profiles.



øD	B	Product Ref.	Teeth	R	ød	Max. t	n
126	6	IT/721 030 1	2	3	30	28	4,500 - 10,600
128	8	IT/721 031 1	2	4	30	29	4,500 - 10,600
130	10	IT/721 032 1	2	5	30	30	4,500 - 10,600
132	12	IT/721 033 1*	2	6	30	31	5,700 - 10,100
136	16	IT/721 034 1*	2	8	30	33	5,600 - 8,400
140	20	IT/721 035 1*	2	10	30	35	5,400 - 9,500
144	24	IT/721 036 1*	2	12	30	37	5,300 - 9,200
150	30	IT/721 037 1*	2	15	30	40	5,000 - 8,900
160	40	IT/721 038 1*	2	20	30	45	4,700 - 8,000

! * Aluminium body.

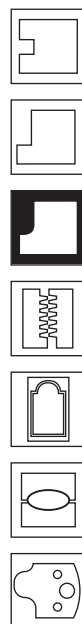
! Also available with a 1 1/4" bore, replace last digit with a 7.



Spare Parts

Desc.	T.C. Blade			T.C. Blade					
Prod. Ref.	IT/300 040 0 (R=3)	IT/300 040 2 (R=4)	IT/300 040 3 (R=5)	IT/300 650 6 (R=6)	IT/300 650 8 (R=8)	IT/300 651 0 (R=10)	IT/300 651 2 (R=12)	IT/300 651 5 (R=15)	IT/300 652 0 (R=20)
Desc.	Wedge					Torx® Screw			
Prod. Ref.	IT/199 050 1 (R=6)	IT/199 050 2 (R=8)	IT/199 050 3 (R=10)	IT/199 050 4 (R=12)	IT/199 050 5 (R=15)	IT/199 050 6 (R=20)	IT/193 420 0 (R=3)	IT/193 425 0 (R=4)	IT/193 430 0 (R=5)
Size							M2.5x6.5	M3x8	M3.5x12
Desc.	Set Screw	Torx® Key		Hex Key	Accessory Ball Bearing Guide		Accessory Ball Bearing Guide		
Prod. Ref.	IT/193 026 5 (R=6-20)	IT/194 111 0 (R=3)	IT/194 110 0 (R=4)	IT/194 101 5 (R=5)	IT/194 003 5 (R=6-20)	IT/191 542 0	IT/1915427		
Size	M6x16	T7	T9	T15	S3	120x15x30	120x15x1 1/4"		

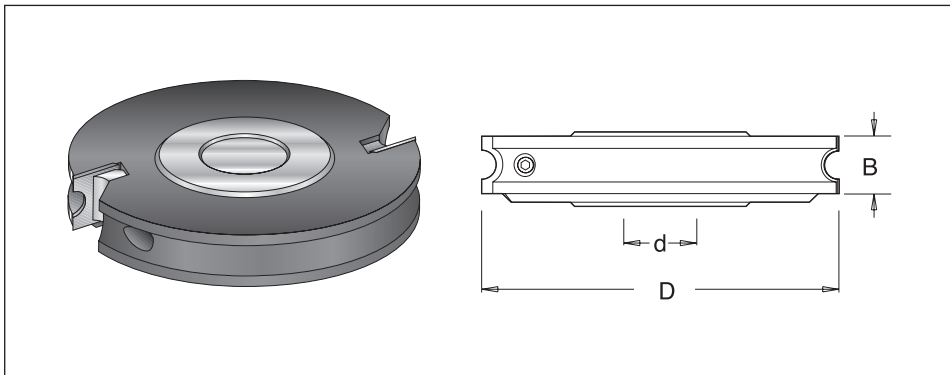
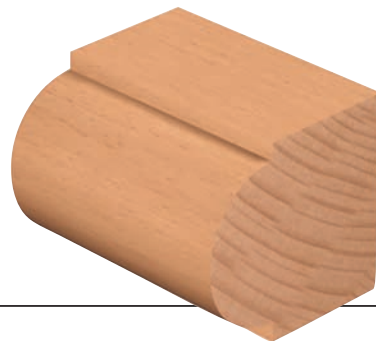
Blades sold in singles.



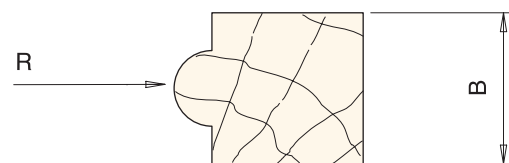


Disposable Insert Beading Profile Cutter Blocks

Cutterhead body in hard wearing aluminium complete with disposable tungsten carbide knives. Suitable for producing various radii beads in softwood, hardwood and man-made boards on a spindle moulder.







øD	B	Product Ref.	ød	R	n
125	15	IT/752 603 1	30	3	6,000 - 10,000
125	15	IT/752 604 1	30	4	6,000 - 10,000
125	20	IT/752 605 1	30	5	6,000 - 10,000
125	20	IT/752 606 1	30	6	6,000 - 10,000
125	30	IT/752 608 1	30	8	6,000 - 10,000
125	30	IT/752 610 1	30	10	6,000 - 10,000
125	30	IT/752 612 1 ❖	30	12	6,000 - 10,000
125	40	IT/752 615 1 ❖	30	15	6,000 - 10,000
135	50	IT/752 620 1 ❖	30	20	5,500 - 9,000
125	15	IT/752 650 1 (Set) ❖		R3+R4	6,000 - 10,000
125	20	IT/752 651 1 (Set) ❖		R5+R6	6,000 - 10,000
125	30	IT/752 652 1 (Set) ❖		R8+R10	6,000 - 10,000



⚠ ❖ Tools above also available with a 1 1/4" bore, replace last digit with a 7.

Spare Parts

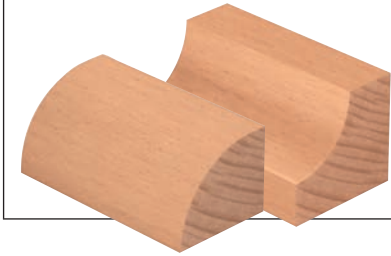
Desc.	 T.C. Blade								
Prod. Ref.	IT/312 400 3 (R=3)	IT/312 400 4 (R=4)	IT/312 400 5 (R=5)	IT/312 400 6 (R=6)	IT/312 400 8 (R=8)	IT/312 401 0 (R=10)	IT/312 401 2 (R=12)	IT/312 401 5 (R=15)	IT/312 402 0 (R=20)
Desc.	 Wedge						 Set Screw	 Hex Key	
Prod. Ref.	IT/199 032 6 (R=3 & 4)	IT/199 032 7 (R=5 & 6)	IT/199 046 5 (R=8 & 10)	IT/199 046 6 (R=12)	IT/199 046 1 (R=15)	IT/199 045 0 (R=20)	IT/193 026 5 (R=20)	IT/194 003 5	
Size	L=14	L=17	L=24	L=24	L=38	L=48	M6x16	S3	

Blades sold in singles.



Disposable Insert Corner Round/Cove Cutter Blocks

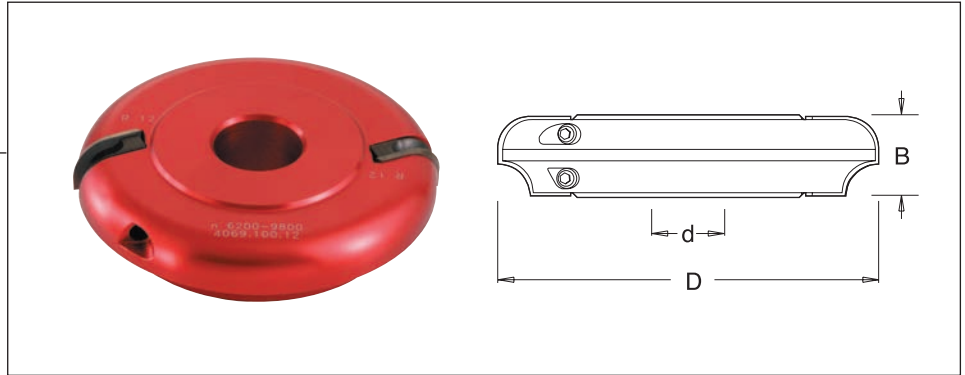
Cutterhead body in hard wearing aluminium, complete with disposable tungsten carbide knives. Suitable for rounding over and producing matching cove joints in softwood, hardwood and man-made boards on a spindle moulder. All cutterheads can be used with a 100mm bearing for cutting uniform depth profiles.



Hand Feed



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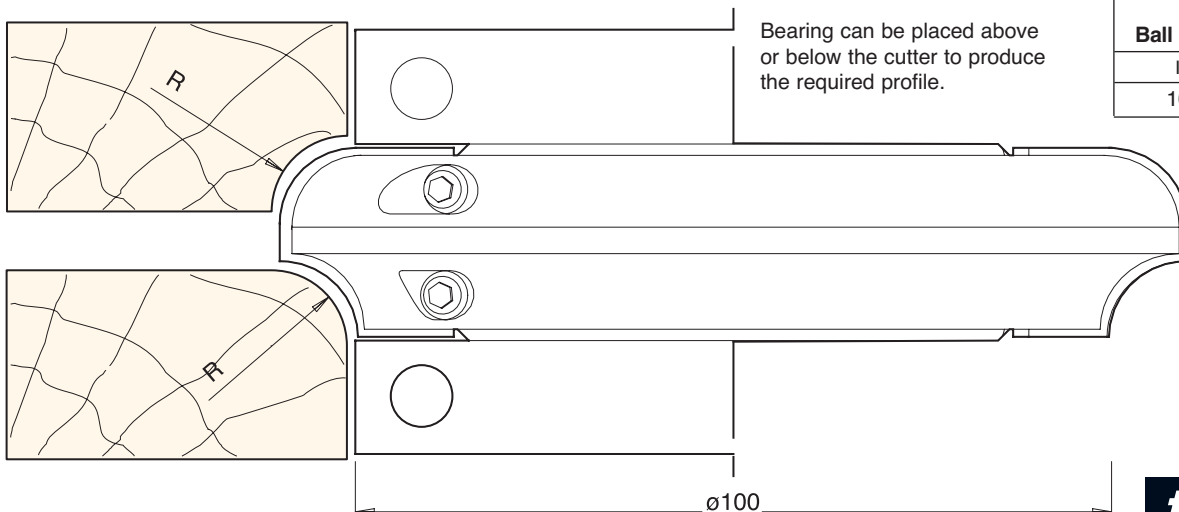
øD	B	Product Ref.	R	ød	n
106	20	IT/751 103 1	3	30	7,300 - 10,100
110	20	IT/751 105 1	5	30	7,000 - 9,900
112	20	IT/751 106 1	6	30	6,900 - 9,700
116	20	IT/751 108 1	8	30	6,600 - 9,500
120	25	IT/751 110 1	10	30	6,400 - 10,000
124	30	IT/751 112 1	12	30	6,200 - 9,800
130	35	IT/751 115 1	15	30	5,900 - 9,500
140	50	IT/751 120 1	20	30	5,500 - 9,000
150	60	IT/751 125 1	25	30	5,100 - 6,000
160	60	IT/751 130 1	30	30	4,900 - 5,800

Spare Parts

⚠ Tools above also available with a 1 1/4" bore, replace last digit with a 7.

Desc.	T.C. Blade										Setting Gauge
Product Ref.	IT/310 894 4 (R=3)	IT/310 894 6 (R=5)	IT/310 894 7 (R=6)	IT/310 894 9 (R=8)	IT/310 895 0 (R=10)	IT/310 895 2 (R=12)	IT/310 895 3 (R=15)	IT/310 895 4 (R=20)	IT/310 895 5 (R=25)	IT/310 895 6 (R=30)	IT/760 110 0 1.0mm
Desc.	Wedge							Set Screw	Hex Key	Accessory Ball Bearing Guide	
Product Ref.	IT/199 091 0 (R=3-8)	IT/199 092 0 (R=10)	IT/199 092 5 (R=12)	IT/199 093 0 (R=15)	IT/199 094 0 (R=20)	IT/199 095 0 (R=25)	IT/199 096 0 (R=30)	IT/193 026 5	IT/194 003 5	IT/191 540 1	
Size	L=18	L=23	L=28	L=33	L=48	L=58	L=58	M6x16	S3	100x15x30	

Blades sold in singles.



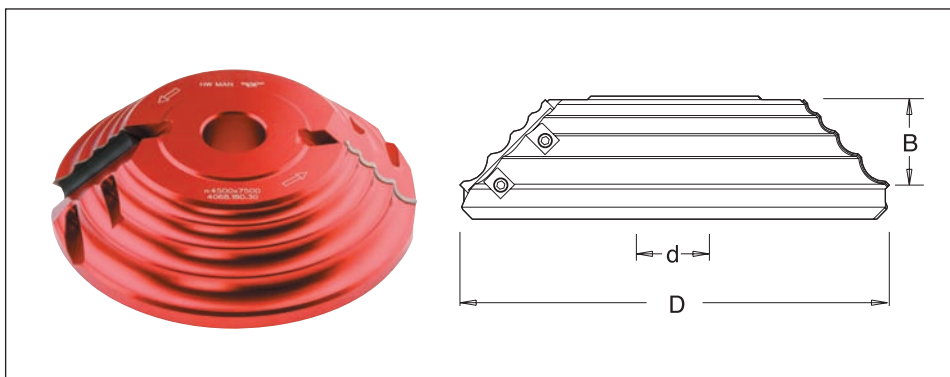
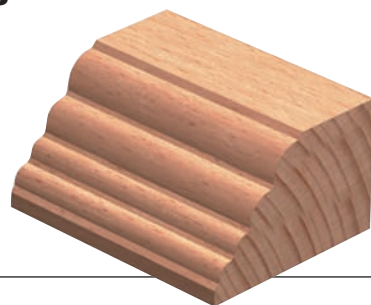
Bearing can be placed above or below the cutter to produce the required profile.

Accessory Ball Bearing Guide	
IT/191 540 7	100x15x1 1/4"



Disposable Insert Multi Round Over Cutter Blocks

Cutterhead body in hard wearing aluminium, complete with disposable tungsten carbide knives. Suitable for rounding over the edge of softwood, hardwood and man-made boards on a spindle moulder. Either raising or lowering the cutterhead on the machine selects different radii.

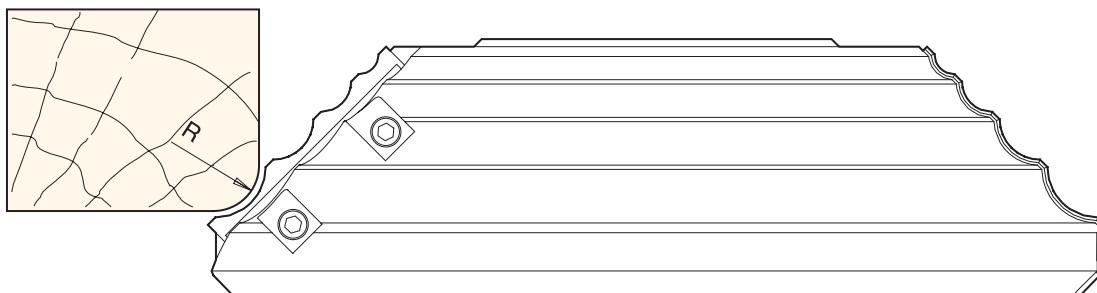


ϕD	B	Product Ref.	R	ϕd	n
140	25	IT/752 109 1	2,3,5	30	5,400 - 8,800
140	25	IT/752 109 7	2,3,5	1 1/4"	5,400 - 8,800
180	50	IT/752 110 1	4,6,8,10	30	4,500 - 7,500
180	50	IT/752 110 7	4,6,8,10	1 1/4"	4,500 - 7,500

Spare Parts

Description	T.C. Blade		Wedge		Set Screw	Hex Key
Product Ref.	IT/310 855 0 (R=2,3 & 5)	IT/310 854 9 (R=4,6,8 & 10)	IT/199 048 6 (R=2,3 & 5)	IT/199 048 5 (R=4,6,8 & 10)	IT/193 026 5	IT/194 003 5
Size			L=24	L=48	M6x16	S3

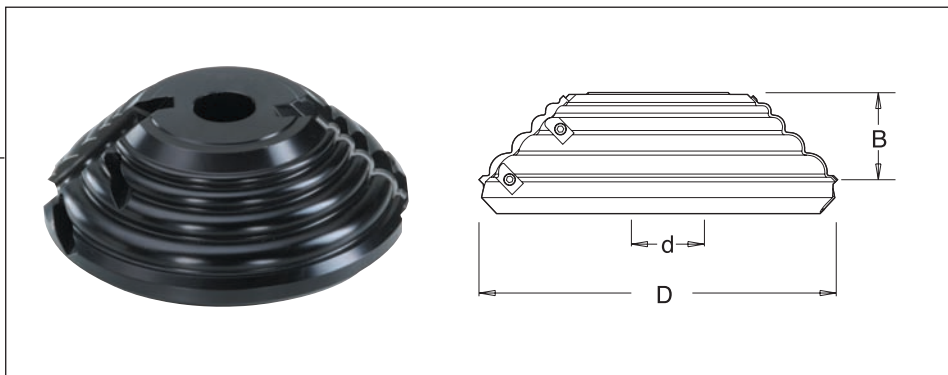
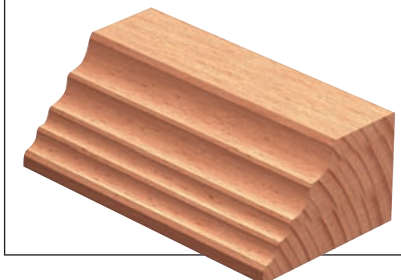
Blades sold in singles.





Disposable Insert Multi Cove Cutter Blocks

Cutterhead body in hard wearing aluminium, complete with disposable tungsten carbide knives. Suitable for producing various radii coves on the edges of softwood, hardwood and man-made boards on a spindle moulder. Either raising or lowering the cutterhead on the machine selects different radii coves.



Hand Feed



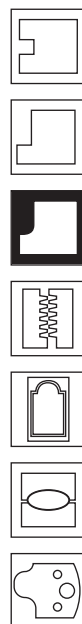
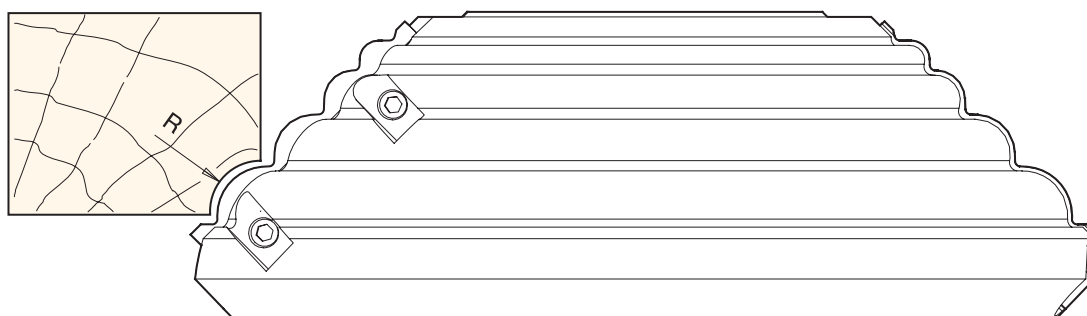
EN847-1/2

øD	B	Product Ref.	R	ød	n
180	60	IT/752 201 1	4,6,8,10	30	4,500 - 7,500
180	60	IT/752 201 7	4,6,8,10	1 1/4"	4,500 - 7,500

Spare Parts

Description	T.C. Blade	Wedge	Set Screw	Hex Key
Product Ref.	IT/310 856 0	IT/199 047 5	IT/193 026 5	IT/194 003 5
Size	60x20x2	L=58	M6x16	S3

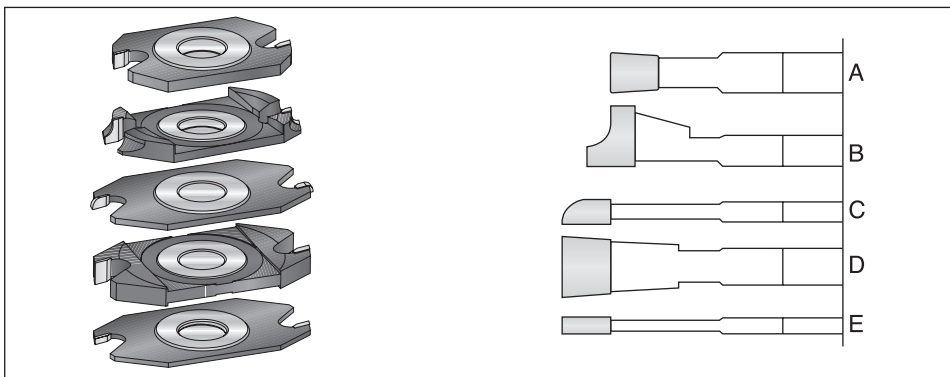
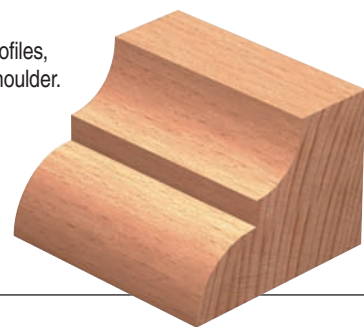
Blades sold in singles.





Tungsten Carbide Tipped Multicut Set

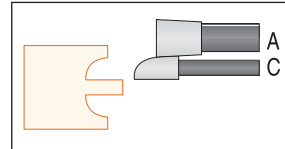
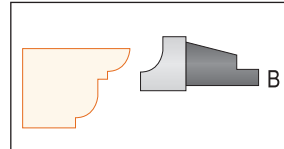
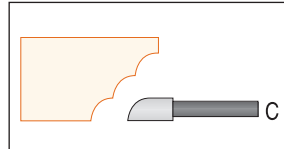
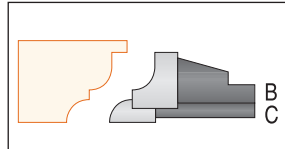
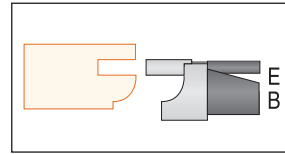
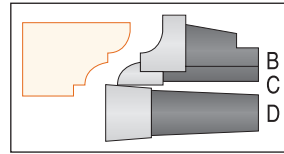
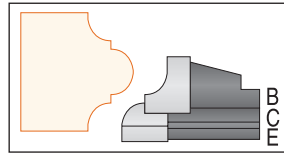
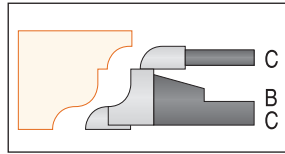
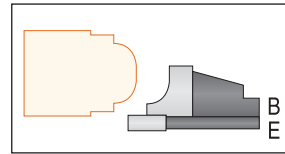
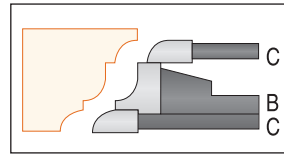
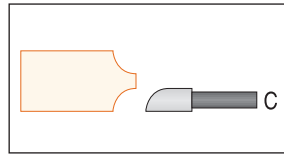
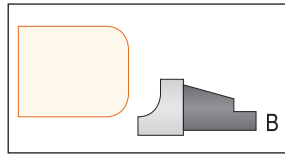
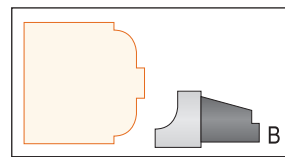
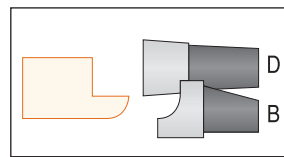
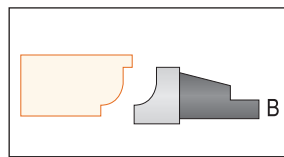
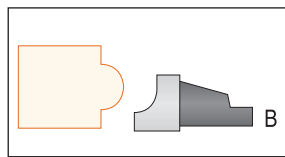
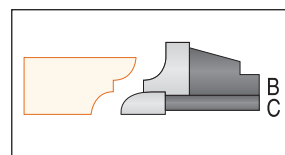
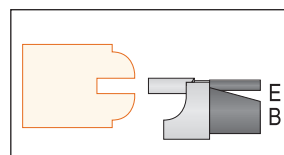
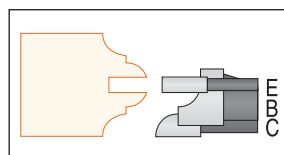
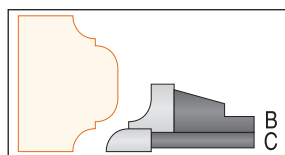
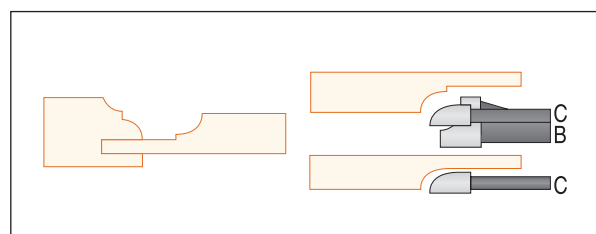
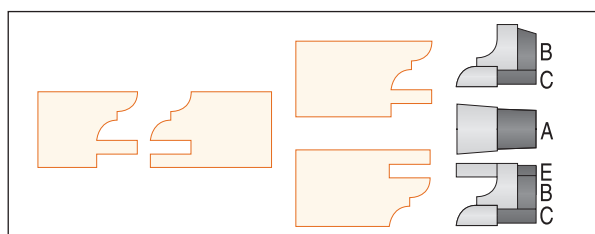
Five piece tungsten carbide tipped cutterhead set, complete with spacer rings. Suitable for producing multiple profiles, profile/counter profiles, in single or multiple passes in softwood, hardwood and man-made boards on a spindle moulder.



	øD	Product Ref.	Width	n
Multicut Set includes 5 cutters and a set of distance rings				
Cutter A	116	IT/711 021 1	10	5,500 - 9,600
Cutter B	128	IT/711 031 1	15	5,500 - 9,600
Cutter C	140	IT/711 041 1	7	5,500 - 9,600
Cutter D	140	IT/711 051 1	15	5,500 - 9,600
Cutter E	140	IT/711 061 1	4	5,500 - 9,600

Spare Parts

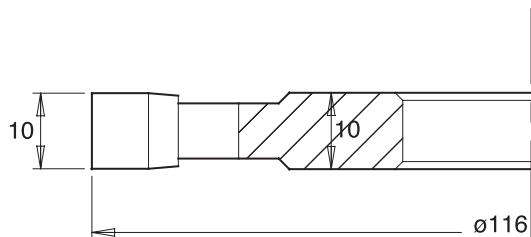
Desc.	Spacer Set
Prod. Ref.	IT/711 065 1 B=12.1



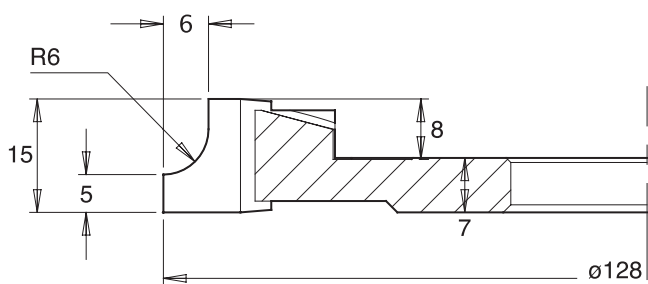


Tungsten Carbide Tipped Multicut Set

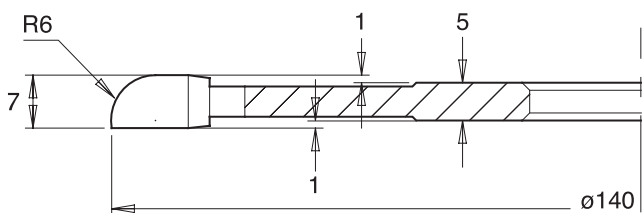
Cutter A



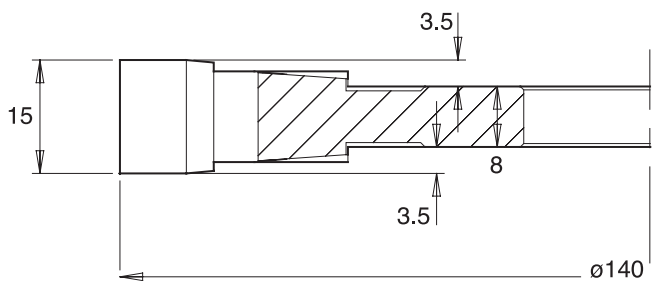
Cutter B



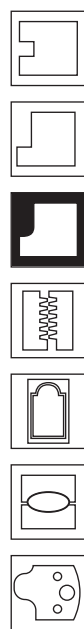
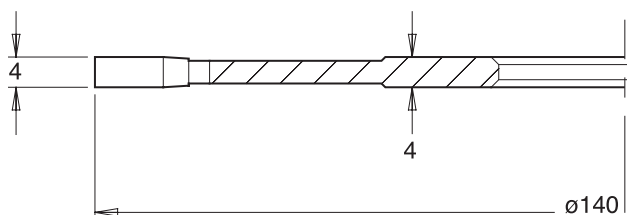
Cutter C



Cutter D



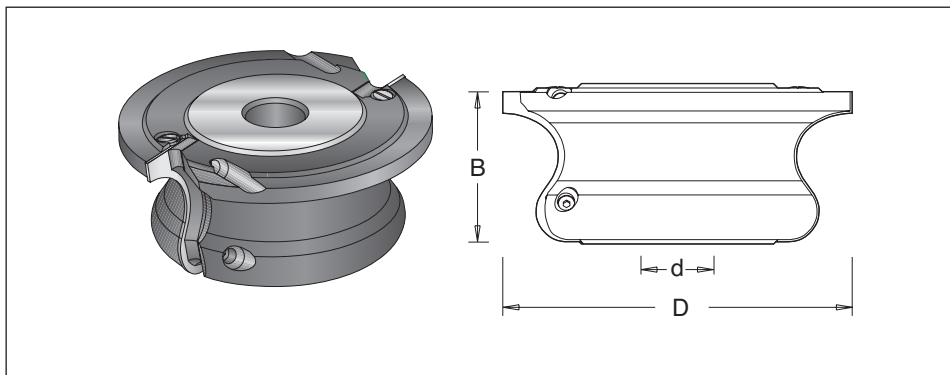
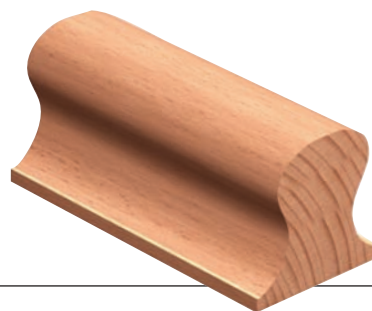
Cutter E





Disposable Insert Handrail Cutter Blocks

Cutterhead bodies in hard wearing aluminium, complete with disposable tungsten carbide knives. Suitable for producing two different handrail profiles for stairs and banisters in solid softwood or hardwood on a spindle moulder.



Hand Feed

EN847-1/2

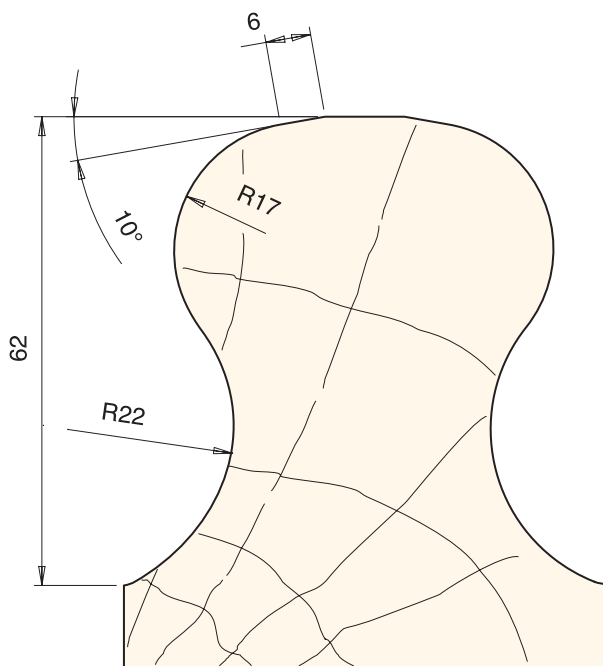
øD	B	Product Ref.	Profile	ød	n
130	73	IT/752 510 1	A	30	5,800 - 7,700
160	73	IT/752 515 1	B	30	4,700 - 7,200

⚠ Tools above also available with a 1 1/4" bore, replace last digit with a 7.

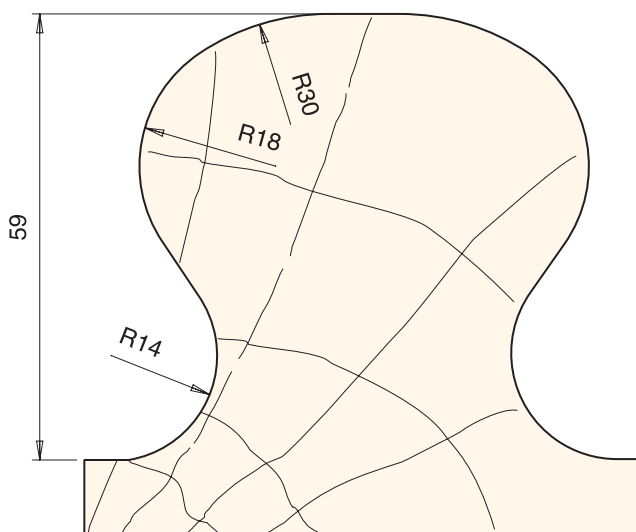
Spare Parts

Description	T.C. Blade		Wedge		Set Screw	Hex Key
Product Ref.	IT/310 887 0 Profile A	IT/310 887 1 Profile B	IT/199 085 0 Profile A	IT/199 086 0 Profile B	IT/193 026 7	IT/194 003 6
Size	69.5x33.5x2	70x34x2	L=63	L=65	M8x16	S4

Blades sold in singles.



Profile A

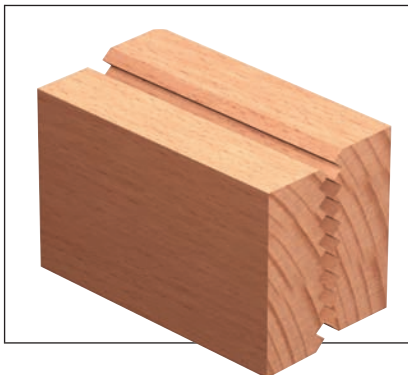


Profile B



Disposable Insert Glue Joint Cutter Blocks

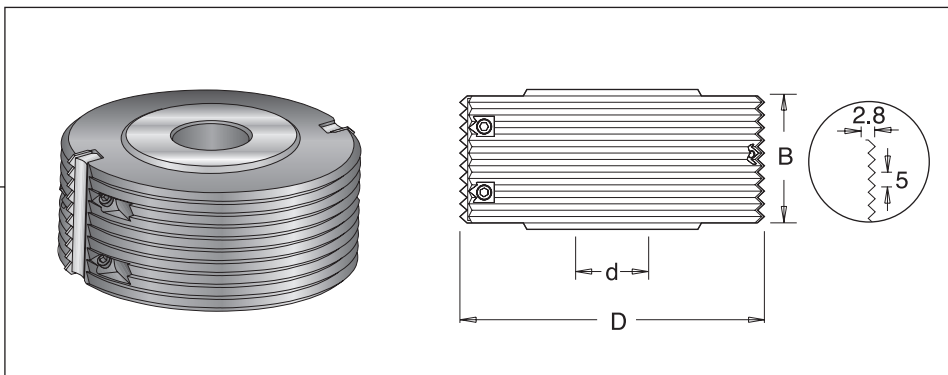
Cutterhead bodies in hard wearing aluminium, complete with disposable tungsten carbide knives. Suitable for producing glue joints in softwood, hardwood and man-made boards on a spindle moulder.



Hand Feed



EN847-1/2



$\varnothing D$	B	Product Ref.	$\varnothing d$	n
90	50	IT/741 000 1	30	8,500 - 12,000
120	50	IT/741 001 1	30	6,100 - 10,000

Spare Parts

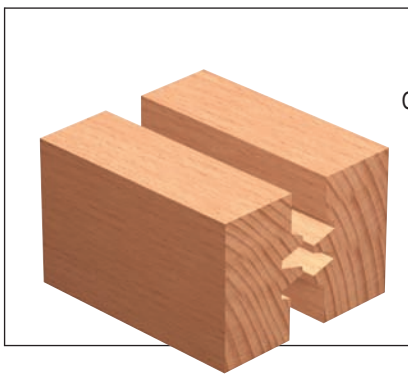
Tools above also available with a 1 1/4" bore, replace last digit with a 7.

Description	T.C. Blade	Wedge	Set Screw	Hex Key
Product Ref.	IT/310 850 7	IT/199 049 5	IT/193 049 5	IT/194 003 5
Size	50x12x1.5	L=48	M6x12	S3

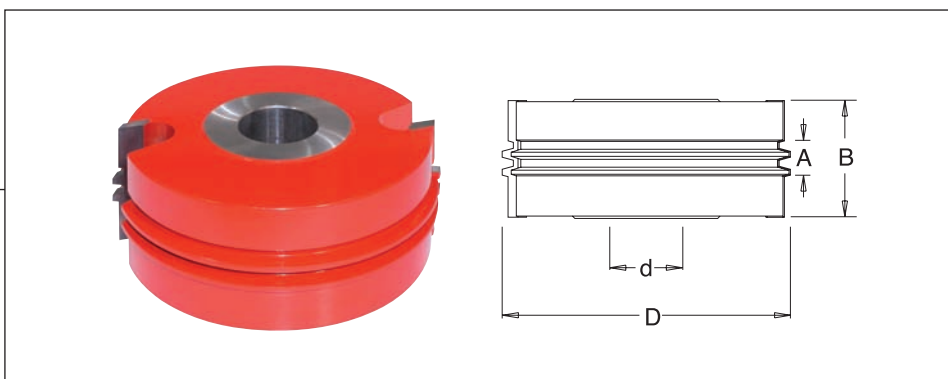
Blades sold in singles.

Tungsten Carbide Tipped Glue Joint Cutter Block

Cutterhead bodies available in hard wearing steel, complete with tungsten carbide tips. Suitable for producing 'finger style' reversible glue joints in softwood, hardwood and man-made boards on a spindle moulder.



Hand Feed



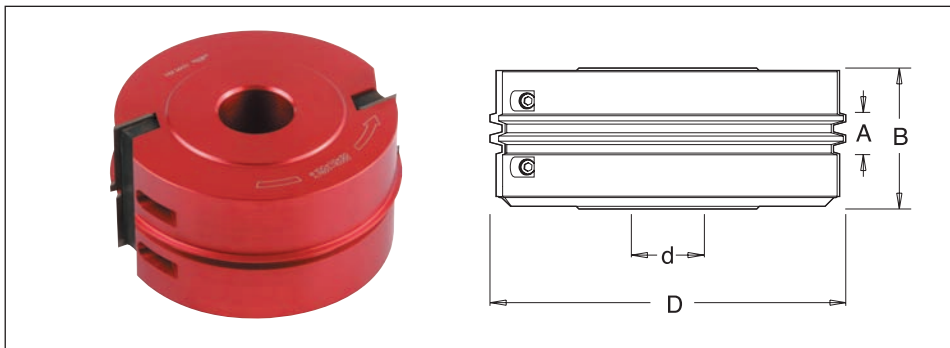
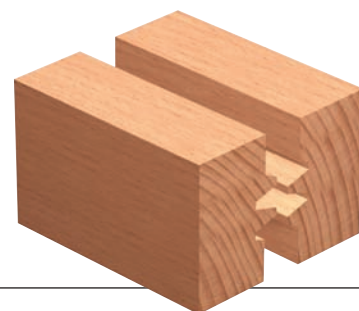
$\varnothing D$	B	Product Ref.	A	$\varnothing d$	n
125	50	IT/710 720 1	15	30	6,100 - 10,500
125	50	IT/710 720 7	15	1 1/4"	6,100 - 10,500





Disposable Insert Glue Joint Cutter Blocks

Cutterhead bodies in hard wearing steel and aluminium complete with disposable tungsten carbide knives. Suitable for producing 'finger style' reversible glue joints in softwood, hardwood and man-made boards on a spindle moulder.



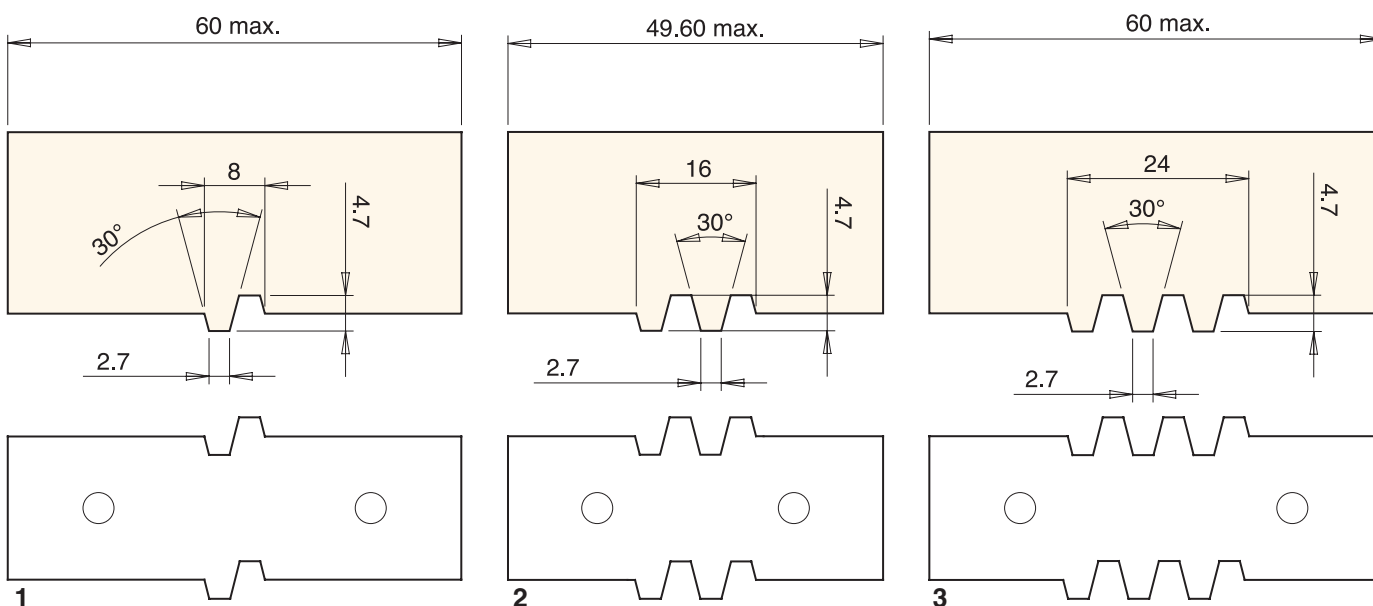
øD	B	Product Ref.	Profile	A	ød	n
120	60	IT/741 004 1*	1	7.7	30	6,500 - 9,500
120	60	IT/741 004 7*	1	7.7	1 1/4"	6,500 - 9,500
140	50	IT/741 006 1	2	15.4	30	5,400 - 8,800
140	50	IT/741 006 7	2	15.4	1 1/4"	5,400 - 8,800
140	60	IT/741 005 1	3	23.0	30	5,400 - 8,800
140	60	IT/741 005 7	3	23.0	1 1/4"	5,400 - 8,800

* Aluminium body

Spare Parts

Description	T.C. Blade			Wedge			Set Screw	Hex Key
Product Ref.	IT/310 855 1 1 Tooth	IT/310 855 2 2 Teeth	IT/310 850 1 3 Teeth	IT/199 037 2 1 Tooth	IT/199 037 3 2 Teeth	IT/199 037 2 3 Teeth	IT/193 026 5	IT/194 003 5
Size	60x24x2	50x24x2	60x24x2	L=58	L=48	L=58	M6x16	S3

Blades sold in singles.

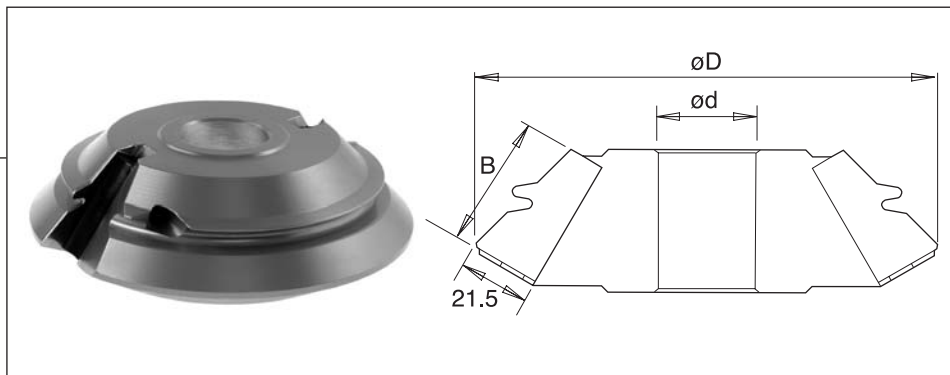
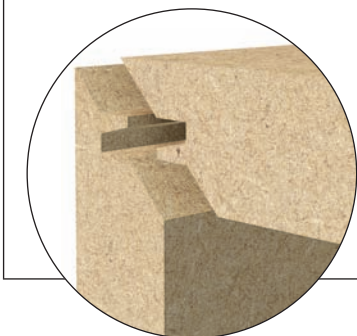


Scale 1:1



Disposable Insert 45° Mitre Lock Cutter

Hard wearing aluminium body complete with two disposable tungsten carbide knives. Suitable for producing 45° mitre lock joints in softwood, hardwood and man-made boards on a spindle moulder. Can also be used for jointing horizontal pieces of timber.



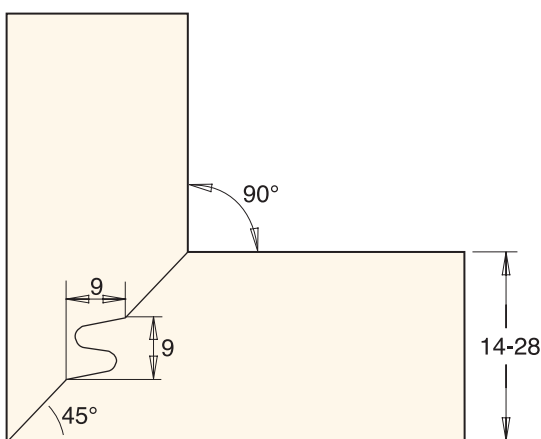
øD	B	Product Ref.	ød	n
140	40	IT/ST/ML001	30	5,500 - 10,000
140	40	IT/ST/ML007	1 1/4"	5,500 - 10,000

A 45° joint is produced by machining one piece with the inside face on the table of the spindle moulder. The matching corner inside face is machined upright against the fence.

Spare Parts

Description	T.C. Blade	Wedge	Set Screw	Stop Screw	Hex Key
Product Ref.	IT/ST/IB01	IT/ST/SW01	IT/HS/01	IT/SS/01	IT/HK/3
Size	40x21.5x2	L=38	M6x16	M4x6	S3

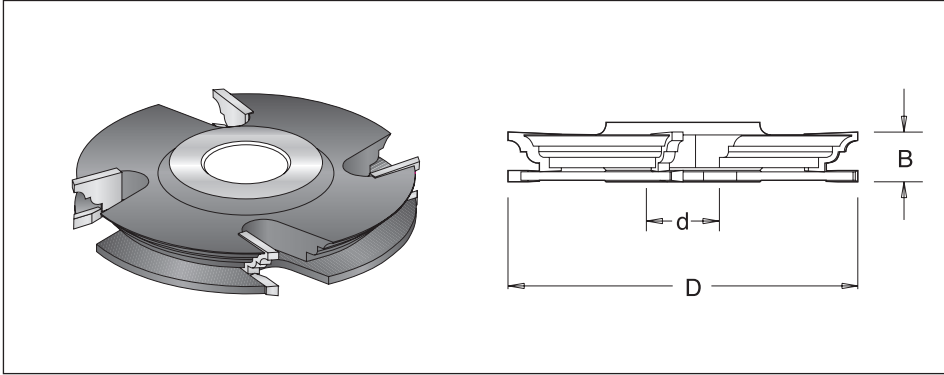
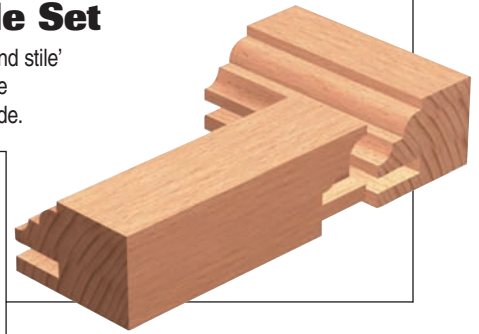
Blades sold in singles.





Tungsten Carbide Tipped Profile - Counter/Profile Set

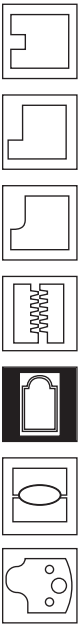
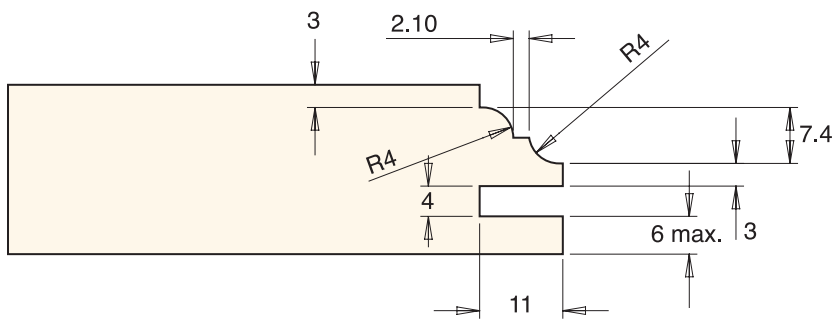
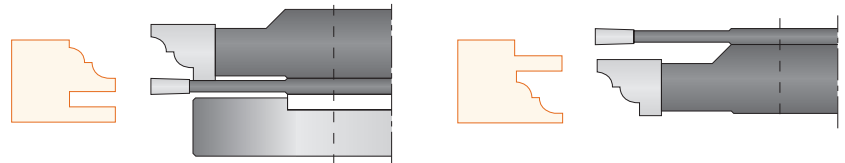
Two piece steel cutterhead set complete with four tungsten carbide tips. Suitable for producing complete 'rail and stile' joints in softwood, hardwood and man-made boards on a spindle moulder. Reversing the cutters on the spindle moulder (see illustration) makes both the rail and stile. Set comes with necessary washer and ball bearing guide.



	øD	Product Ref.	B	ød	n
Complete Set	125	IT/711 011 1	20	30	6,100 - 10,500
Profile Cutter	125	IT/711 012 1	15	30	6,100 - 10,500
Groove Cutter	125	IT/711 019 1	4	30	6,100 - 10,500

Spare Parts

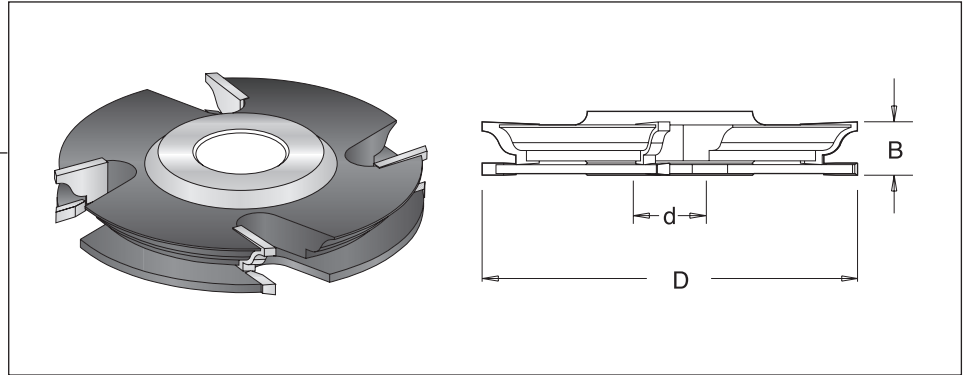
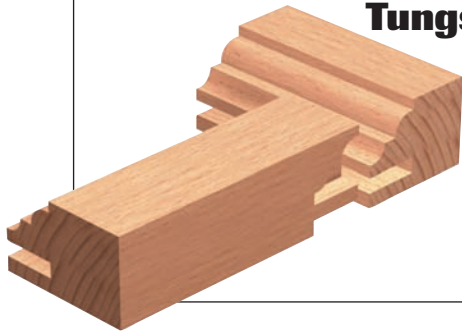
Desc.	Washer	Ball Bearing Guide
Product Ref.	IT/192 737 1	IT/711 016 1
Size	47x4	103x30x15





Tungsten Carbide Tipped Profile - Counter/Profile Sets

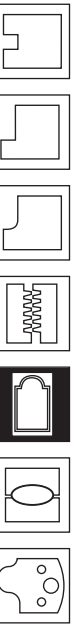
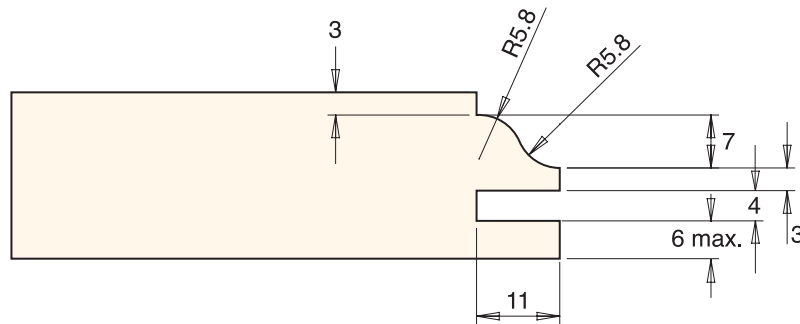
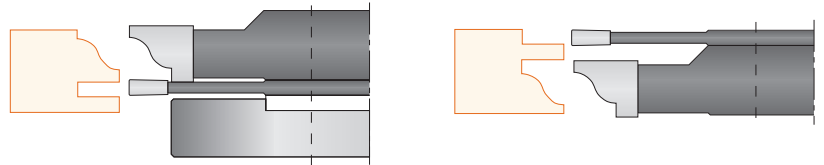
Two piece steel cutterhead set complete with four tungsten carbide tips. Suitable for producing complete 'rail and stile' joints in softwood, hardwood and man-made boards on a spindle moulder. Reversing the cutters on the spindle moulder (see illustration) makes both the rail and stile. Set comes with necessary washer and ball bearing guide.



	øD	Product Ref.	B	ød	n
Complete Set	125	IT/711 015 1	20	30	6,100 - 10,500
Profile Cutter	125	IT/711 017 1	15	30	6,100 - 10,500
Groove Cutter	125	IT/711 019 1	4	30	6,100 - 10,500

Spare Parts

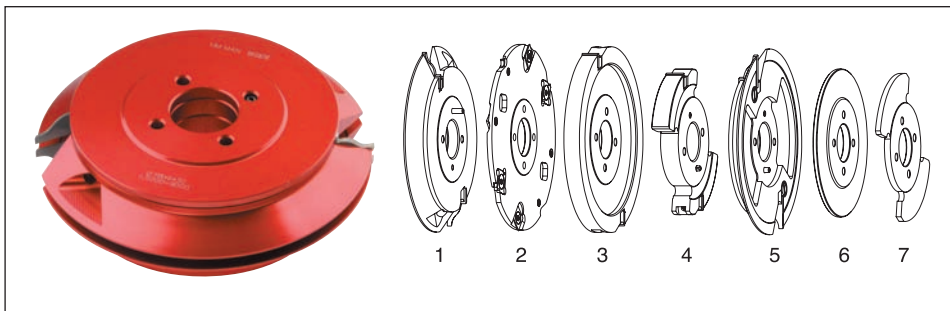
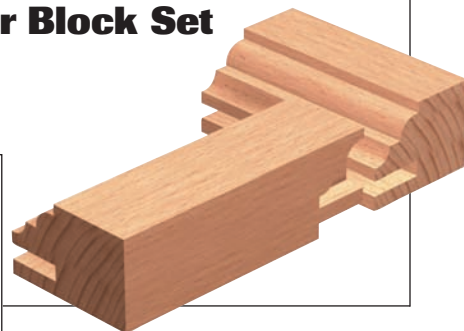
Desc.	Washer	Ball Bearing Guide
Product Ref.	IT/192 737 1	IT/711 016 1
Size	47x4	103x15x30





Disposable Insert Profile - Counter/Profile Cutter Block Set

Cutterhead set in hard wearing aluminium, complete with disposable tungsten carbide knives. Suitable for producing various profile / counter profile joints in softwood, hardwood and man-made boards by using combinations of the supplied cutters.



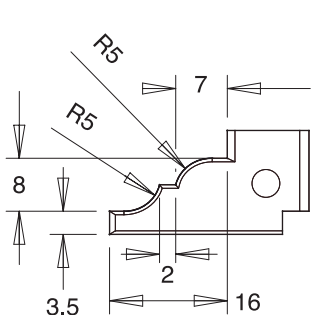
Set No.	øD	Product Ref.	Cutters in set	ød	Profile type	n
Set 1	150	IT/742 020 1	1,2,3,4,2x6,7	30	A,B	5,000 - 9,000
Set 1	150	IT/742 020 7	1,2,3,4,2x6,7	1 1/4"	A,B	5,000 - 9,000
Set 2	150	IT/742 021 1	1,2,3,4,5,2x6,2x7	30	A,B,C	5,000 - 9,000
Set 2	150	IT/742 021 7	1,2,3,4,5,2x6,2x7	1 1/4"	A,B,C	5,000 - 9,000

Please note: Set 1 & 2 come complete with profile 1.

Cutter No.	øD	Product Ref.	B	Profile	ød	n	z	
1	150	IT/742 011 1	16	1,2,3,4	30	5,000 - 9,000	2	
	150	IT/742 111 1	16	1	30	5,000 - 9,000	2	
	150	IT/742 211 1	16	2	30	5,000 - 9,000	2	
	150	IT/742 311 1	16	3	30	5,000 - 9,000	2	
	150	IT/742 411 1	16	4	30	5,000 - 9,000	2	
2	150	IT/742 012 1	5		30	5,000 - 9,000	4	
	150	IT/742 013 1	15		30	5,000 - 9,000	2	
	118	IT/742 014 1	15		30	5,000 - 9,000	2	
	5	150	IT/742 015 1	16	1,2,3,4L	30	5,000 - 9,000	2
		150	IT/742 115 1	16	1L	30	5,000 - 9,000	2
150		IT/742 215 1	16	2L	30	5,000 - 9,000	2	
150		IT/742 315 1	16	3L	30	5,000 - 9,000	2	
150	IT/742 415 1	16	4L	30	5,000 - 9,000	2		
6	118	IT/742 016 1	6		30			
7	118	IT/742 017 1	5		30			

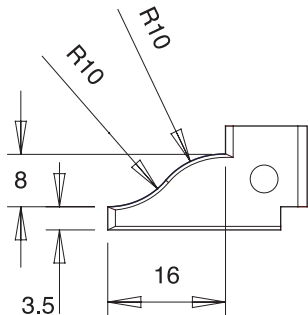
Profiles for Cutters No. 1 & 5.

Profile 1



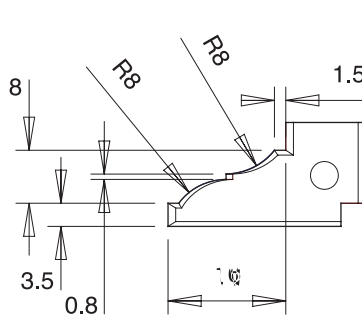
IT/311 751 1
IT/311 751 1L

Profile 2



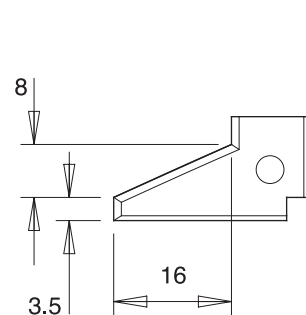
IT/311 751 0
IT/311 751 0L

Profile 3



IT/311 751 2
IT/311 751 2L





Profile 4














IT/311 751 3
IT/311 751 3L







Spare Parts





Cutter 1	 *						
Description	T.C. Blade				Wedge	Set Screw	Hex Key
Product Ref.	IT/311 751 0 Profile 1	IT/311 751 1 Profile 2	IT/311 751 2 Profile 3	IT/311 751 3 Profile 4	IT/199 038 0	IT/193 026 5	IT/194 003 5
Size	15.7x30x2	15.7x30x2	15.7x30x2	15.7x30x2	L=13	M6x16	S3

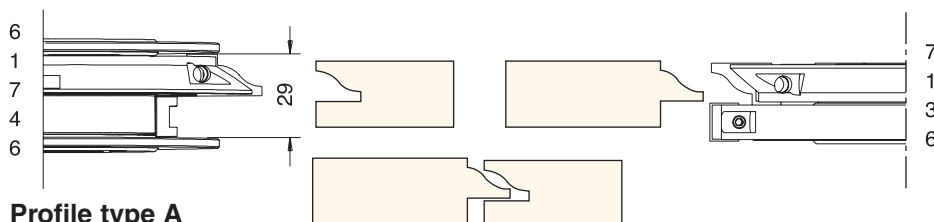
Cutter 2	 **	 **				
Description	T.C. Blade	T.C. Blade	Blade Nut	Blade Nut	Torx® Screw	Torx® Key
Product Ref.	IT/300 850 4/10	IT/300 850 2/10	IT/192 350 0	IT/192 360 0	IT/193 030 0	IT/194 110 0
Size	18x18x2.5	14x14x1.2	M4x0.5x11.1	M4x0.5x9.9	M4x4	T9

Cutter 3	 **				
Description	T.C. Blade	Wedge	Set Screw	Hex Key	Setting Gauge
Product Ref.	IT/311 451 2/10	IT/199 038 5	IT/193 060 0	IT/194 008 0	IT/760 106 5
Size	14.3x12x1.5	L=13.5	M5x16	S2.5	0.65mm

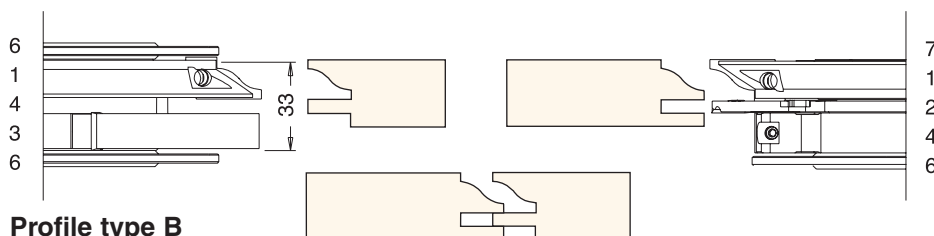
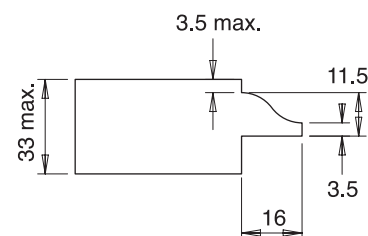
Cutter 4	 **			
Description	T.C. Blade	Wedge	Set Screw	Hex Key
Product Ref.	IT/300 052 7/10	IT/199 038 5	IT/193 060 0	IT/194 008 0
Size	15x12x1.5	L=13.5	M5x16	S2.5

* Blades sold in singles.
** Blades sold in packs of ten.

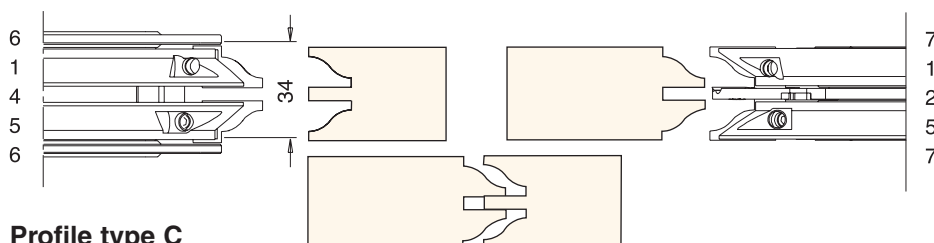
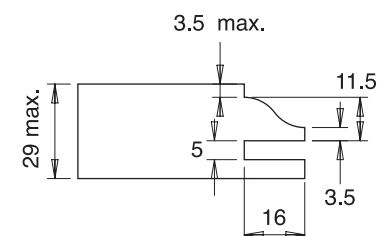
Cutter 5	 *						
Description	T.C. Blade				Wedge	Set Screw	Hex Key
Product Ref.	IT/311 751 0 L Profile 1	IT/311 751 1 L Profile 2	IT/311 751 2 L Profile 3	IT/311 751 3 L Profile 4	IT/199 038 0	IT/193 026 5	IT/194 003 5
Size	15.7x30x2	15.7x30x2	15.7x30x2	15.7x30x2	L=13	M6x16	S3



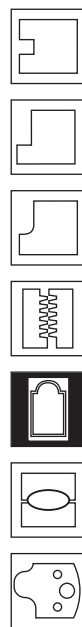
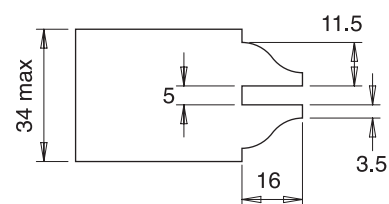
Profile type A



Profile type B



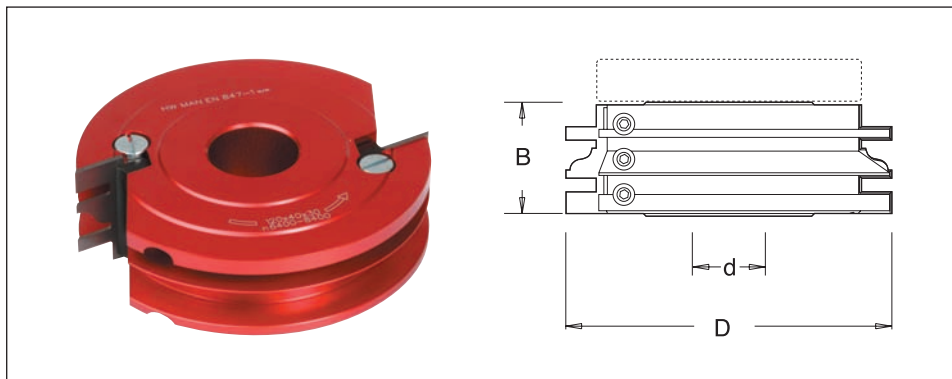
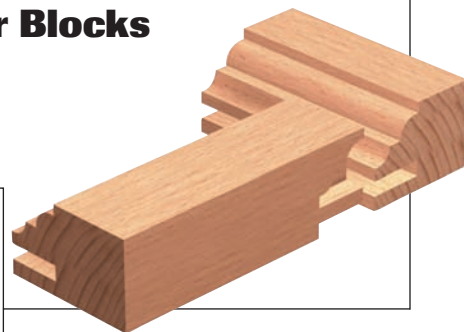
Profile type C





Disposable Insert Profile - Counter Profile Cutter Blocks

Cutterhead in hard wearing aluminium, complete with disposable tungsten carbide knives. Suitable for producing various profile / counter profile joints in softwood, hardwood and man-made boards on a spindle moulder. Raising or lowering the cutter on the spindle moulder produces both parts of the joint. Same tool body accepts all four different profiles.



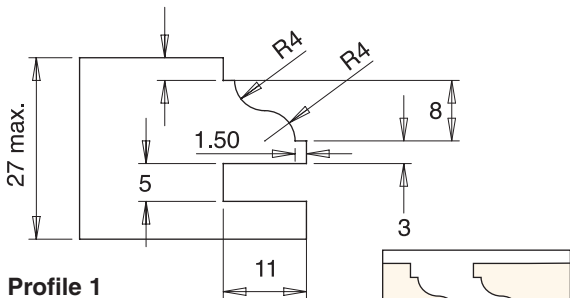
øD	B	Product Ref.	Profile	ød	n
120	40	IT/742 031 1	1	30	5,000 - 8,400
120	40	IT/742 032 1	2	30	5,000 - 8,400
120	40	IT/742 033 1	3	30	5,000 - 8,400
120	40	IT/742 034 1	4	30	5,000 - 8,400

øD	B	Product Ref.	Profile	ød	n
120	40	IT/742 031 7	1	1 1/4"	5,000 - 8,400
120	40	IT/742 032 7	2	1 1/4"	5,000 - 8,400
120	40	IT/742 033 7	3	1 1/4"	5,000 - 8,400
120	40	IT/742 034 7	4	1 1/4"	5,000 - 8,400

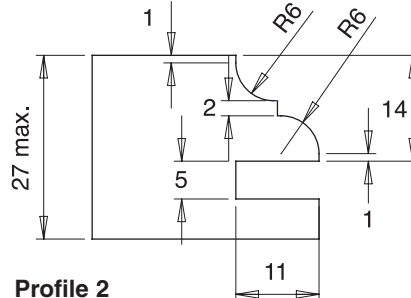
Spare Parts

Cutter 1	T.C. Blade				Wedge	Set Screw	Hex Key	Ball Bearing
Description	IT/310 865 6 Profile 1	IT/310 866 6 Profile 2	IT/310 867 6 Profile 3	IT/310 868 6 Profile 4	IT/199 042 5	IT/193 026 5	IT/194 003 5	IT/191 520 1
Size	40x26x2	40x26x2	40x26x2	40x26x2	L=38	M6x16	S3	98x15x30

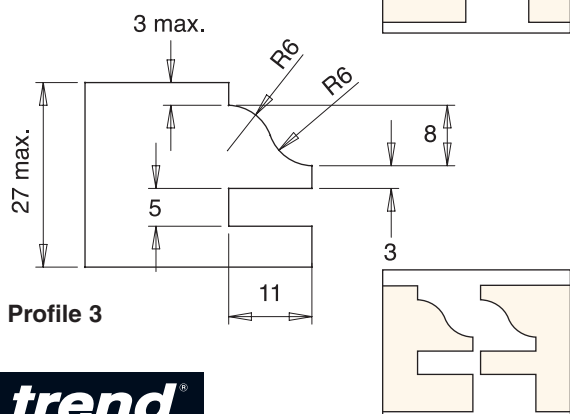
Blades sold in singles.
3 max.



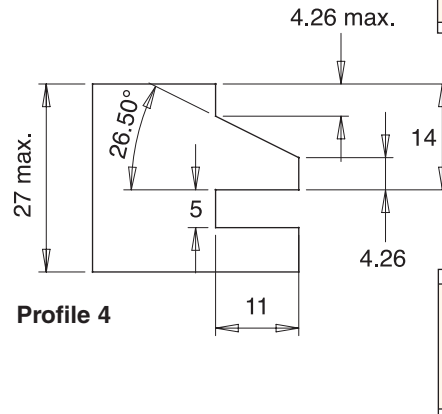
Profile 1



Profile 2



Profile 3



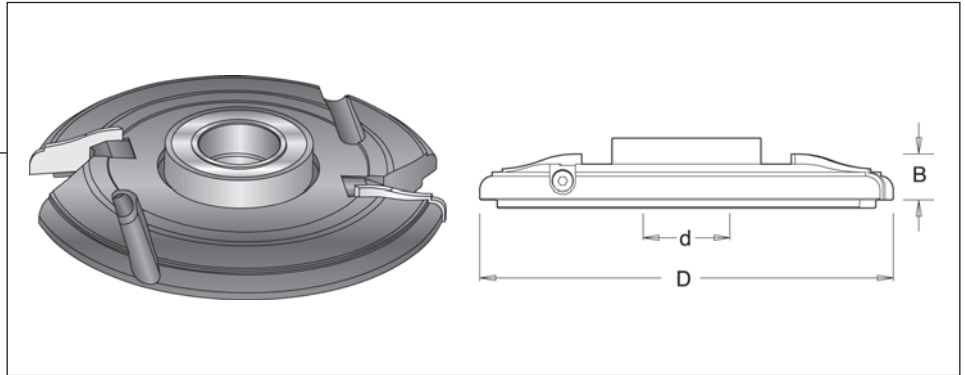
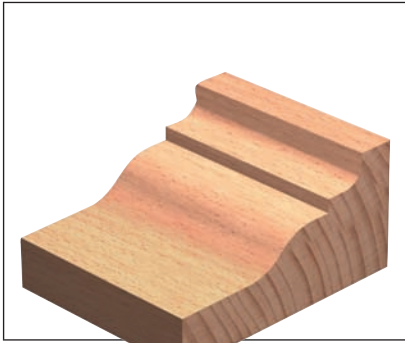
Profile 4

Ball Bearing
IT/191 520 7
98x15x1 1/4"



Disposable Insert Panel Raising Cutterhead

Cutterhead in hard wearing aluminium, complete with disposable tungsten carbide knives. Suitable for producing various raised panel profiles in softwood, hardwood and man-made boards on a spindle moulder. Same tool body accepts all three different profiles.



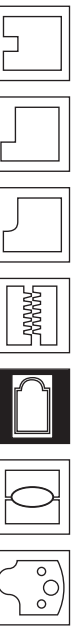
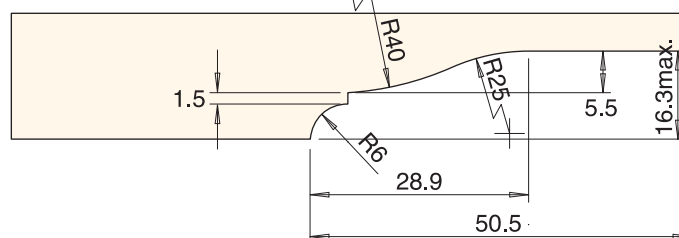
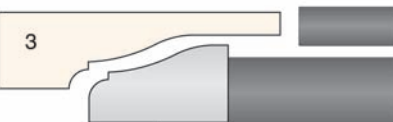
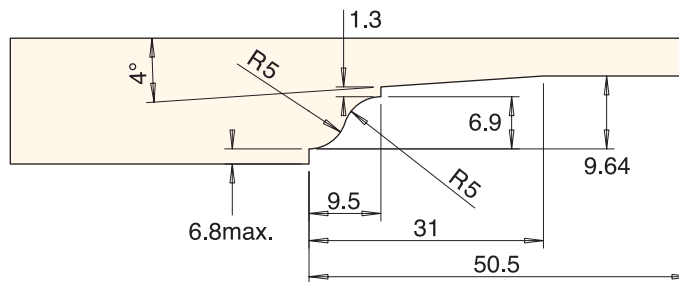
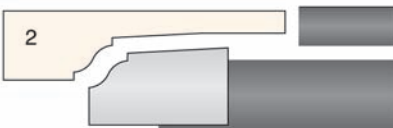
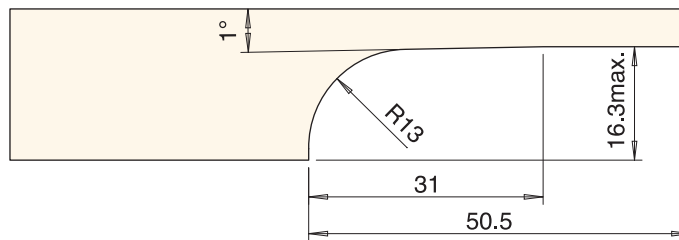
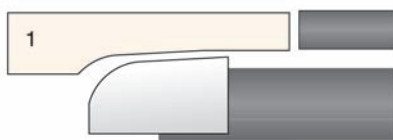
øD	B	Product Ref.	Profile	ød	n
156	17	IT/742 027 1	1	30	5,000 - 9,000
156	17	IT/742 037 1	2	30	5,000 - 9,000
156	17	IT/742 047 1	3	30	5,000 - 9,000
Set	17	IT/742 007 1	1+2+3	30	5,000 - 9,000

øD	B	Product Ref.	Profile	ød	n
156	17	IT/742 027 7	1	1 1/4"	5,000 - 9,000
156	17	IT/742 037 7	2	1 1/4"	5,000 - 9,000
156	17	IT/742 047 7	3	1 1/4"	5,000 - 9,000
Set	17	IT/742 007 7	1+2+3	1 1/4"	5,000 - 9,000

Spare Parts

Cutter 1	T.C. Blade		Wedge	Set Screw	Hex Key	Ball Bearing	
Description	T.C. Blade		Wedge	Set Screw	Hex Key	Ball Bearing	
Product Ref.	IT/310 831 0 Profile 1	IT/310 831 1 Profile 2	IT/310 831 2 Profile 3	IT/199 804 0	IT/193 026 7	IT/194 003 6	IT/191 023 0 IT/1910237
Size	17x35x2	17x35x2	17x35x2	L=19	M8x16	S4	55x13x30 55x13x1 1/4"

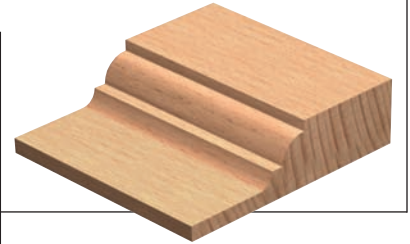
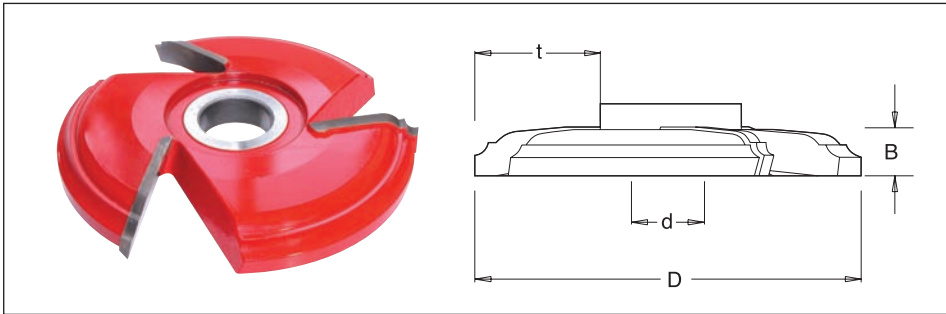
Blades sold in singles.





Tungsten Carbide Tipped Panel Raising Cutterhead

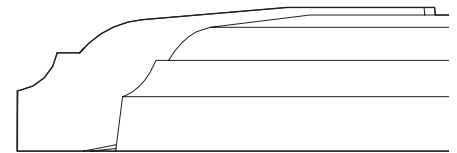
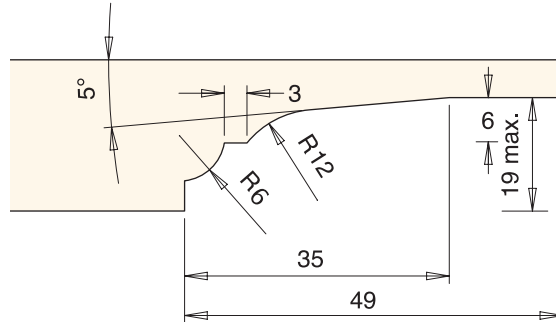
Cutterhead in hard wearing steel, complete with three tungsten carbide tips and ball bearing guide. Suitable for producing raised panel profiles in softwood, hardwood and man-made boards on a spindle moulder.



$\varnothing D$	B	Product Ref.	Max.t	$\varnothing d$	n
153	19	IT/711 009 1	50	30	5,200 - 9,000

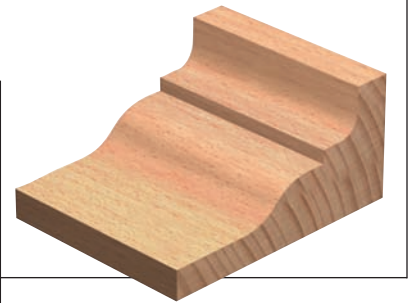
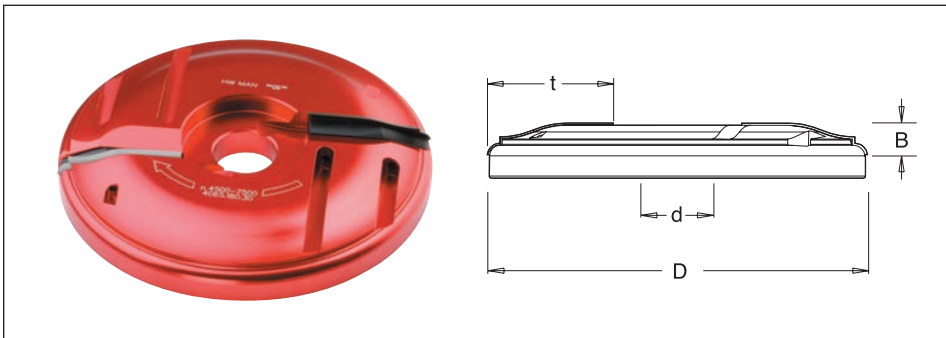
Accessory

Description	Ball Bearing
Product Ref.	IT/191 023 0
Size	55x30x13



Disposable Insert Panel Raising Cutterhead

Cutterhead in hard wearing aluminium, complete with disposable tungsten carbide knives. Suitable for producing raised panel profiles in softwood, hardwood and man-made boards on a spindle moulder.

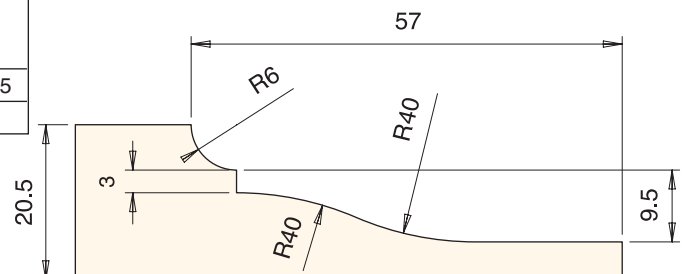


$\varnothing D$	B	Product Ref.	d	Max. t	n
180	25	IT/751 008 1	30	57	4,500 - 7,500
180	25	IT/751 008 7	1 1/4"	57	4,500 - 7,500

Spare Parts

Description	T.C. Blade	Wedge	Set Screw	Hex Key
Product Ref.	IT/310 853 9	IT/199 049 0	IT/193 026 5	IT/194 003 5
Size	60x16x2	L=57.5	M6x16	S3

Blades sold in singles.





Disposable Insert Panel Raising Cutterhead

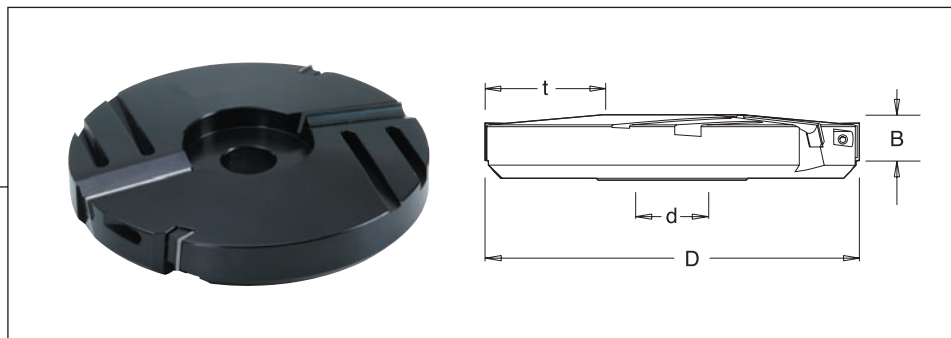
Cutterhead in hard wearing aluminium, complete with two disposable tungsten carbide knives and two scribes. Suitable for producing raised panel profiles in softwood, hardwood and man-made boards on a spindle moulder.



Hand Feed



EN847-1/2

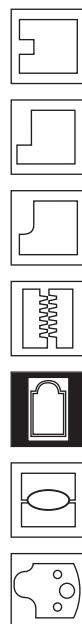
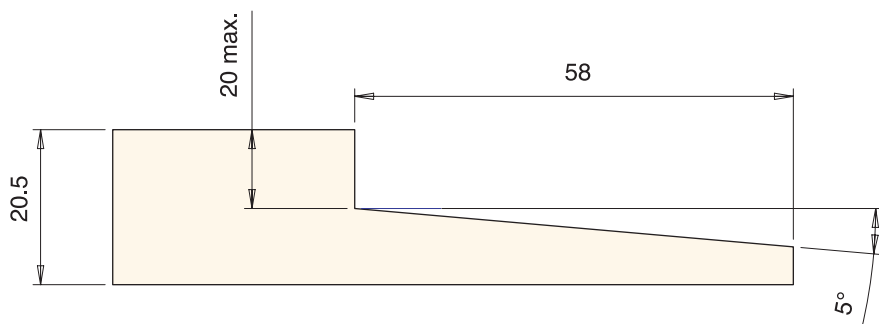


ϕD	B	Product Ref.	Teeth	ϕd	Max. t	n
200	35	IT/751 010 1	2+2	30	58	3,800 - 6,500
200	35	IT/751 010 7	2+2	1 1/4"	58	3,800 - 6,500

Spare Parts

Description	T.C. Blade		Wedge		Set Screw	Hex Key	
Product Ref.	IT/310 722 0/10	IT/300 053 1/10	IT/199 032 7	IT/199 033 5	IT/193 026 5	IT/194 003 5	IT/194 020 0
Size	20x12x1.5	60x12x1.5	L=17	L=58	M6x16	S3	S4

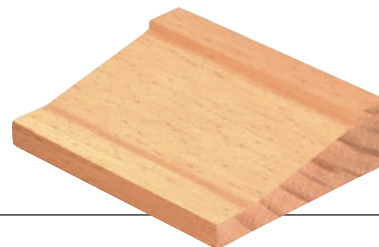
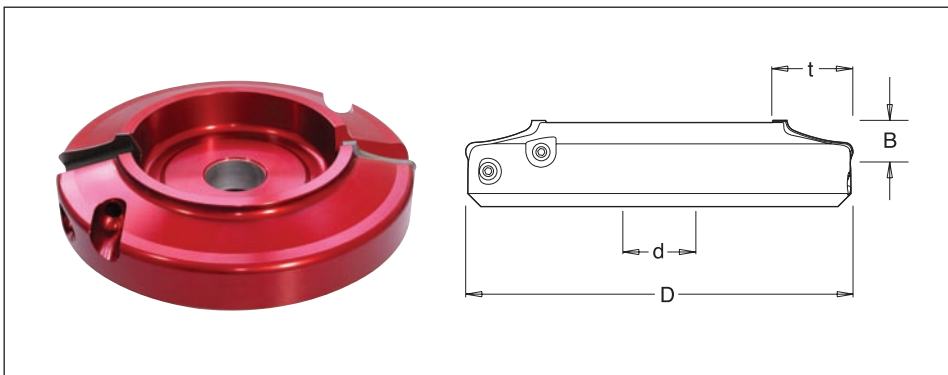
Blades sold in packs of ten.





Disposable Insert Frame Profile Cutter

Cutterhead in hard wearing aluminium, complete with two disposable tungsten carbide knives. Suitable for profiling door edges in softwood, hardwood and man-made boards on a spindle moulder. Same tool body accepts all five different profiles. Recommended RPM 4,200 - 7,400.



Hand Feed

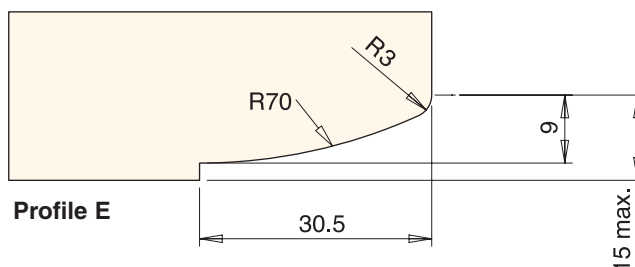
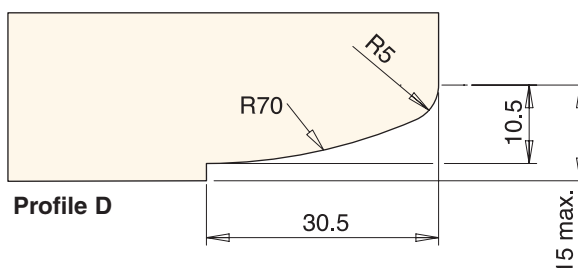
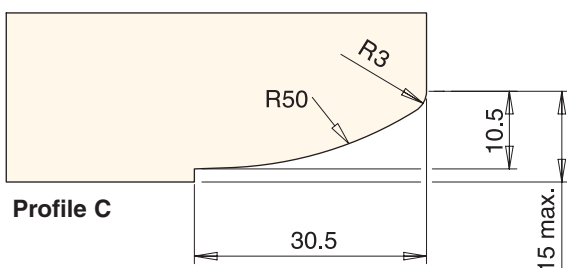
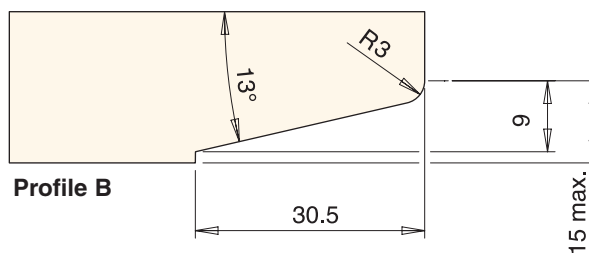
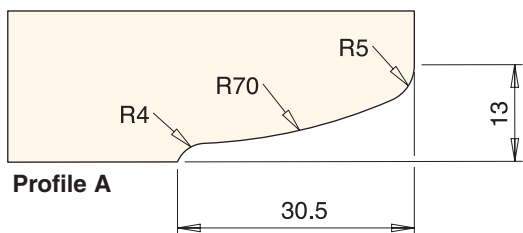
Profile	øD	B	Product Ref.	Max.t	ød
A	180	40	IT/751 012 1	30	30
B	180	40	IT/751 013 1	30	30
C	180	40	IT/751 014 1	30	30
D	180	40	IT/751 015 1	30	30
E	180	40	IT/751 016 1	30	30
Set	180	40	IT/751 011 1 (Set)	30	30

Profile	øD	B	Product Ref.	Max.t	ød
A	180	40	IT/751 012 7	30	1 1/4"
B	180	40	IT/751 013 7	30	1 1/4"
C	180	40	IT/751 014 7	30	1 1/4"
D	180	40	IT/751 015 7	30	1 1/4"
E	180	40	IT/751 016 7	30	1 1/4"
Set	180	40	IT/751 011 7 (Set)	30	1 1/4"

Spare Parts

Desc.	T.C. Blade					Wedge	Set Screw	Torx® Screw	Hex Key	Torx® Key
Product Ref.	IT/310 852 5	IT/310 852 6	IT/310 852 7	IT/310 852 8	IT/310 852 9	IT/199 070 0	IT/193 026 5	IT/193 395 0	IT/194 003 5	IT/194 101 5
Size	40x20x1.5	40x20x1.5	40x20x1.5	40x20x1.5	40x20x1.5	L=38	M6x16	M4x6	S3	T15

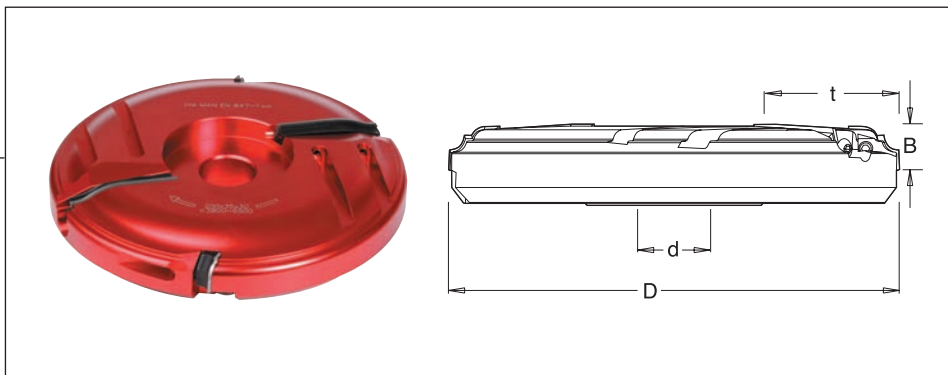
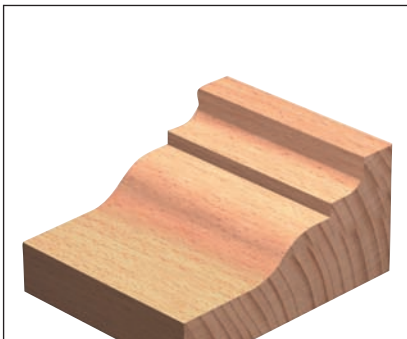
Blades sold in singles.





Disposable Insert Panel Raising Cutterhead

Cutterheads in hard wearing aluminium, complete with two disposable tungsten carbide knives and two scribes. Suitable for producing various raised panel profiles in softwood, hardwood and man-made boards. Raising or lowering the cutterhead on the spindle moulder produces different profiles.



Hand Feed



EN847-1/2

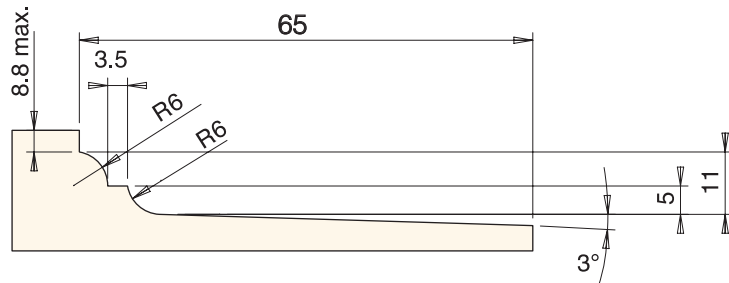
øD	B	Product Ref.	Profile	Teeth	ød	Max. t	n
200	35	IT/751 002 1	A	2+2	30	65	3,800 - 6,500
200	35	IT/751 002 7	A	2+2	1 1/4"	65	3,800 - 6,500
200	35	IT/751 001 1	B	2+2	30	64.5	3,800 - 6,500
200	35	IT/751 001 7	B	2+2	1 1/4"	64.5	3,800 - 6,500

Spare Parts

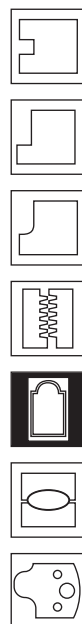
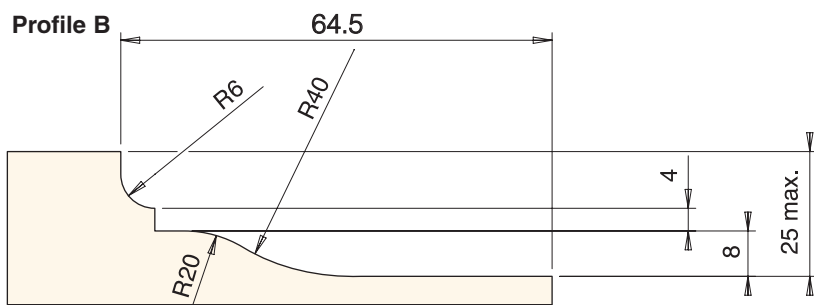
Desc.	T.C. Blade				Wedge			
Product Ref.	IT/310 851 0 Profile A	IT/310 850 3 Profile B	IT/310 851 1 Profile A	IT/310 850 9 Profile B	IT/199 039 5 Profile A	IT/199 024 0 Profile B	IT/199 040 5 Profile A	IT/193 037 0 Profile B
Size	19x23x2	19x12x2	50x12x1.5	59x12x1.5	L=17	L=17	L=13	L=57
Desc.	Set Screw	Torx® Screw	Hex Key					
Product Ref.	IT/193 026 5	IT/193 072 5	IT/194 020 0	IT/194 003 5				
Size	M6x16	M6xM4x16	S2	S3				

Blades sold in singles.

Profile A



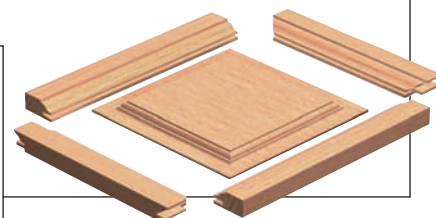
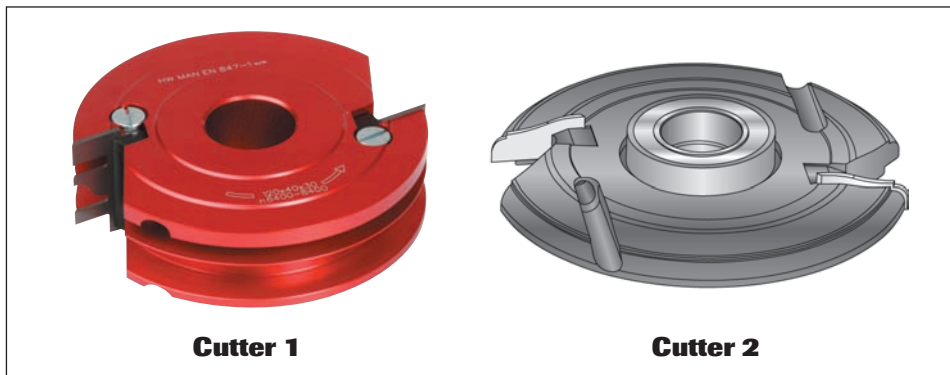
Profile B



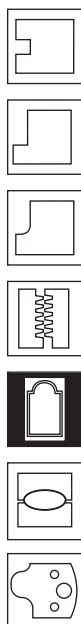


Combination Set for Panel Raising and Profile/Counter Profiling

Two piece cutterhead set for producing various rail, stile and raised panel profiles for making complete cabinet doors. Cutterheads have disposable tungsten carbide knives. Full details of separate cutterheads are shown on pages 66 and 67.



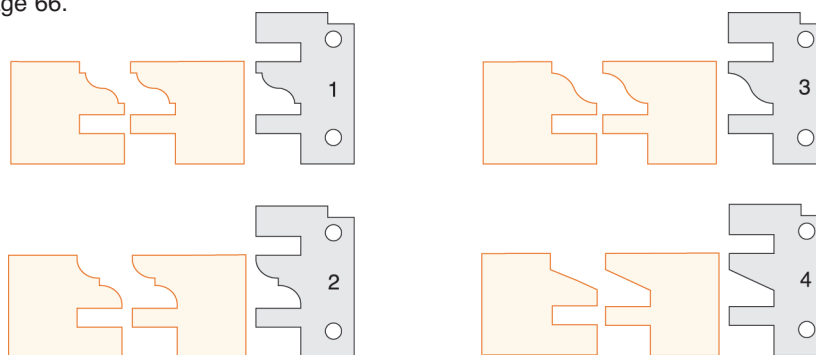
Hand Feed EN847-1/2



Set	Product Ref.	Profile/Counter Profile	Panel Raising Profile
Set 1	IT/742 050 1/1A	1	A
Set 2	IT/742 050 1/1B	1	B
Set 3	IT/742 050 1/1C	1	C
Set 4	IT/742 050 1/2A	2	A
Set 5	IT/742 050 1/2B	2	B
Set 6	IT/742 050 1/2C	2	C
Set 7	IT/742 050 1/3A	3	A
Set 8	IT/742 050 1/3B	3	B
Set 9	IT/742 050 1/3C	3	C
Set 10	IT/742 050 1/4A	4	A
Set 11	IT/742 050 1/4B	4	B
Set 12	IT/742 050 1/4C	4	C

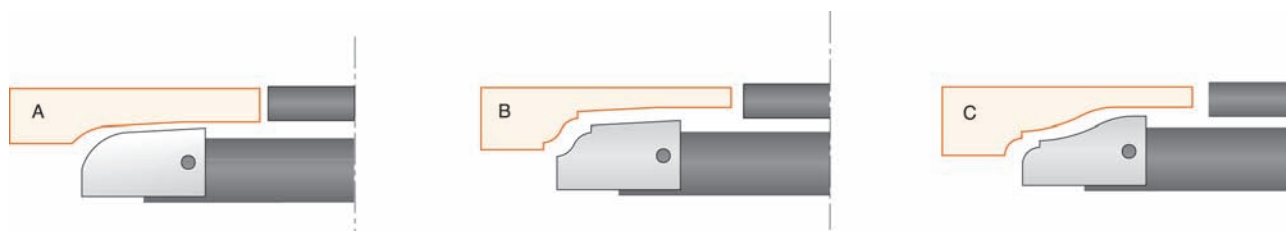
Profile/Counter Profile Knives:

For details of cutters, see page 66.



Profile Raising Profile Knives:

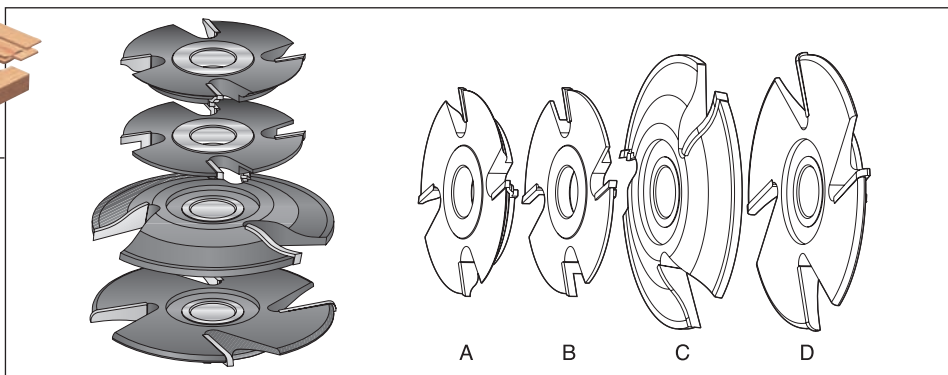
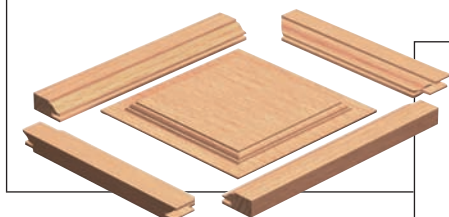
For details of cutters, see page 67.





Combined Set for Panel Raising and Profile/Counter Profiling

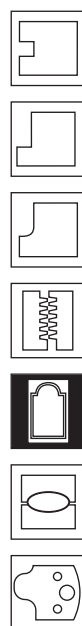
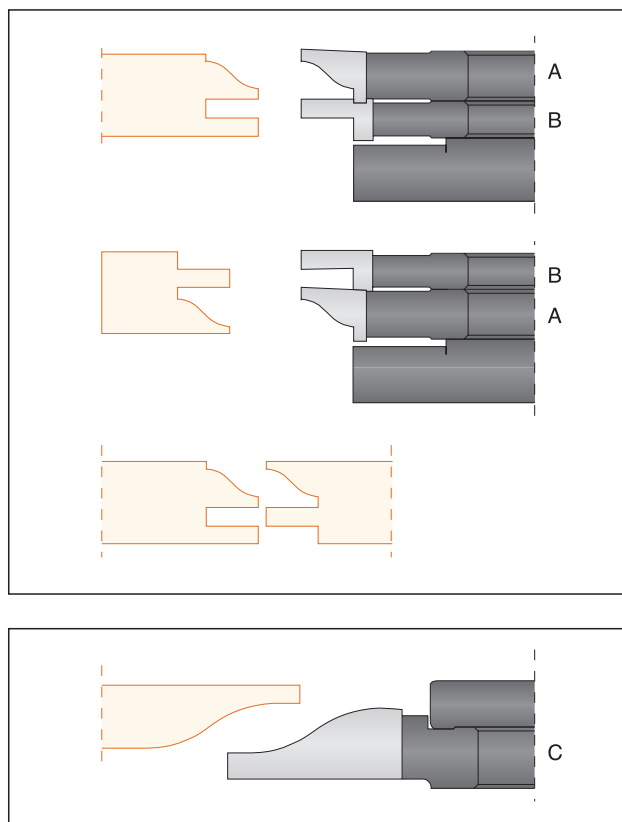
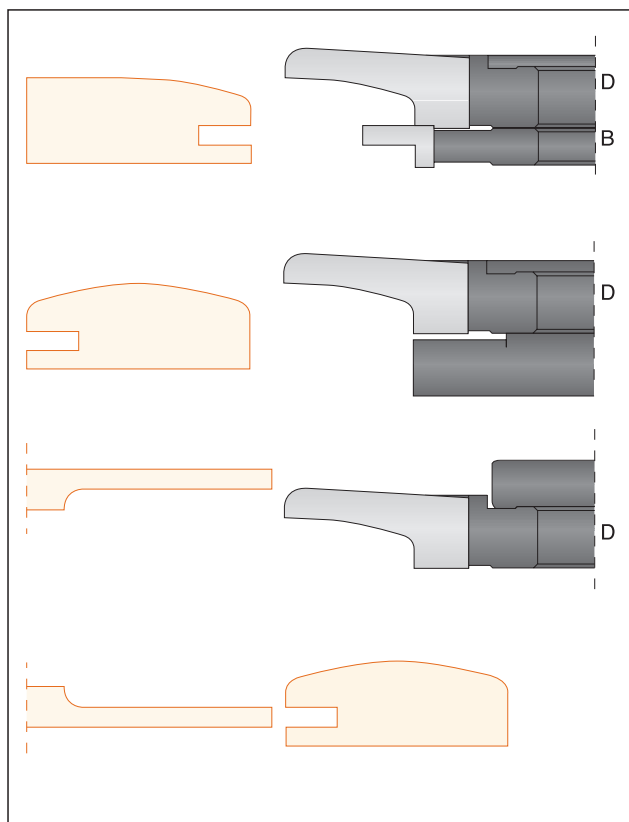
Four piece cutterhead set for producing two types of rail and stile and two types of raised panel profile in softwood, hardwood and man-made boards. Cutterheads have three or four tungsten carbide tips. Set comes complete with necessary ball bearing guides.



	øD	B	Product Ref.	Teeth	ød	n
Complete Set			IT/711 146 1		30	5,200-9,000
Cutter A	125	14	IT/711 131 1	4	30	5,200-9,000
Cutter B	125	11	IT/711 132 1	4	30	5,200-9,000
Cutter C	167	19	IT/711 136 1	3	30	5,200-9,000
Cutter D	167	21	IT/711 141 1	4	30	5,200-9,000

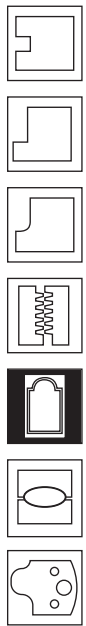
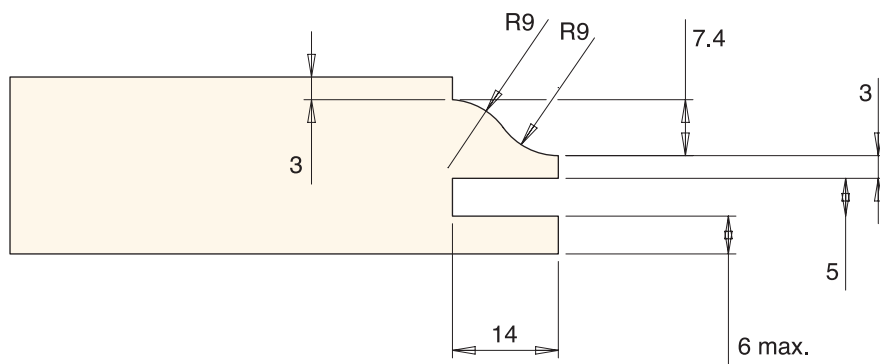
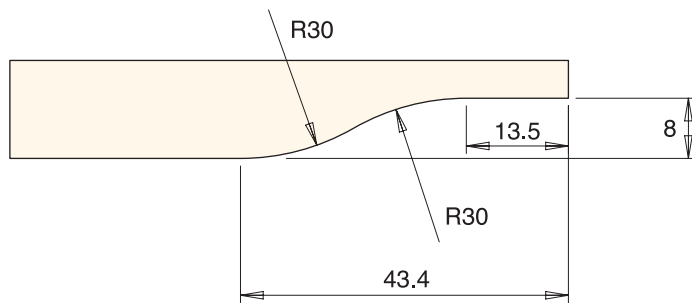
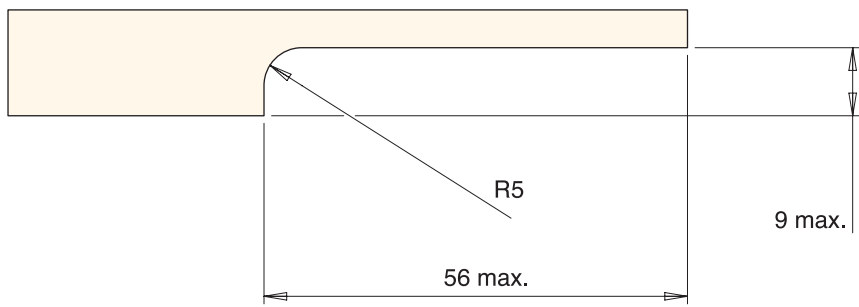
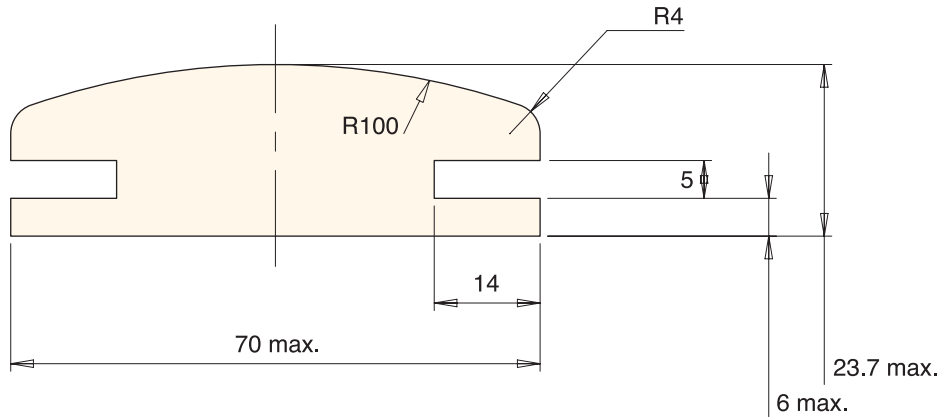
Spare Parts

Description	Ball Bearing	Ball Bearing	Wooden Box
Product Ref.	IT/191 050 0	IT/191 023 0	IT/600 105 3
Size	97x30x15	55x30x13	





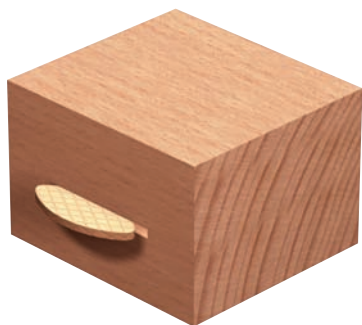
Combined Set for Panel Raising and Profile/Counter Profiling - Continued



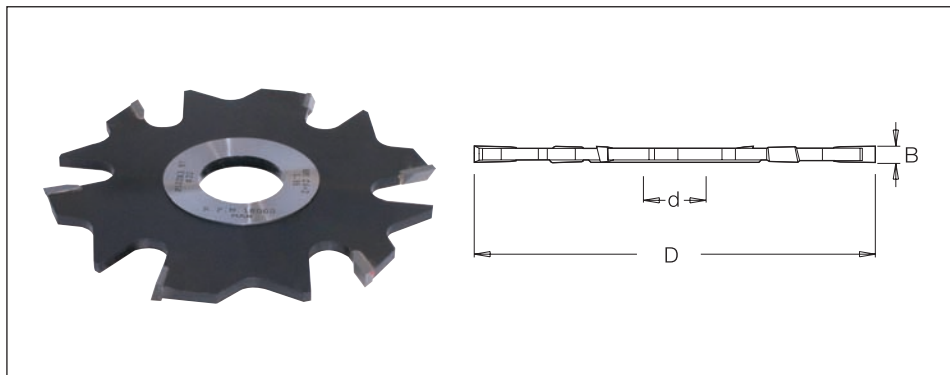


Lamello® - Biscuit Joint Cutter

Hard wearing steel tool body complete with six tungsten carbide tips (two positive and four negative angle). Suitable for producing grooves and slots in softwood, hardwood and man-made boards for biscuit jointing. For use with most biscuit jointing machines.



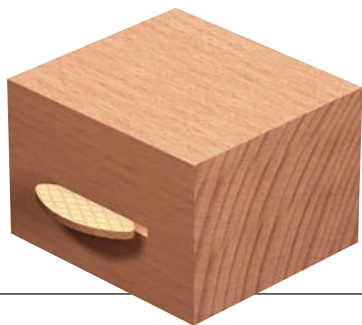
Hand Feed



øD	B	Product Ref.	Teeth	ød	n
100	4	BJB/100S	6	22	7,600 - 13,400

Lamello® - Biscuit Joint Cutter

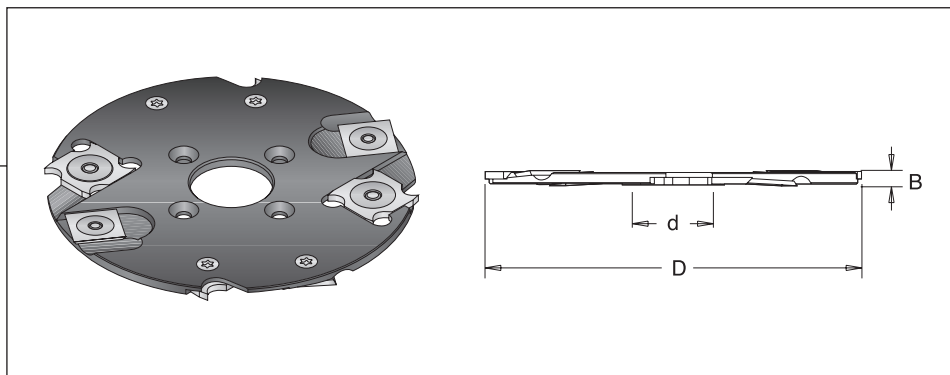
Hard wearing steel body complete with disposable tungsten carbide knives and scorers. Suitable for producing grooves and slots in softwood, hardwood and man-made boards for biscuit jointing. For use with most biscuit jointing machines.



Hand Feed








EN847-1/2

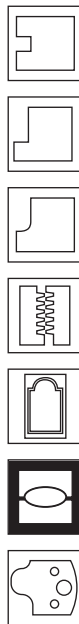


øD	B	Product Ref.	Teeth	ød	n
100	4	IT/721 020 4	4+4	22	7,700 - 15,000

Spare Parts

Description	 T.C. Blade	 T.C. Blade	 T.C. Blade Nut	 Torx® Screw	 Torx® Key
Product Ref.	IT/300 850 1/10	IT/300 850 2/10	IT/192 350 0	IT/192 360 0	IT/193 028 0
Size	18x18x2	14x14x1.2	M4x0.5x11	M4x0.5x9.9	M4x3.2

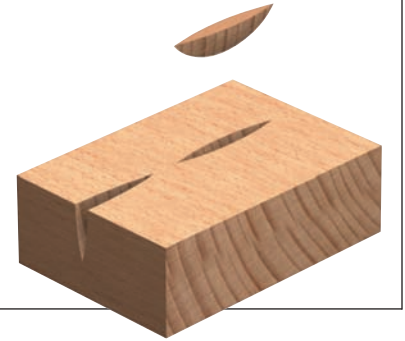
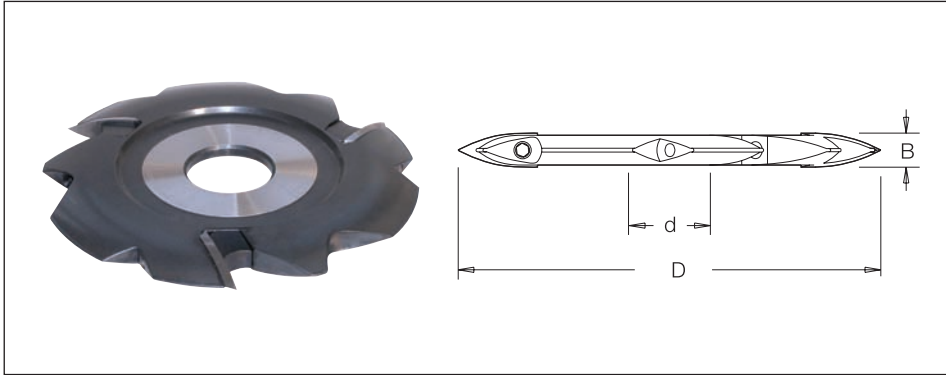
Blades sold in packs of ten.





Resin Pocket Cutter

Hard wearing steel tool body complete with three disposable tungsten carbide knives. Suitable for producing grooves and slots in softwood and hardwood for hiding ugly resin spots or knots.



$\varnothing D$	B	Product Ref.	Teeth	$\varnothing d$	n
100	8	IT/721 025 4	3	22	7,700 - 15,000

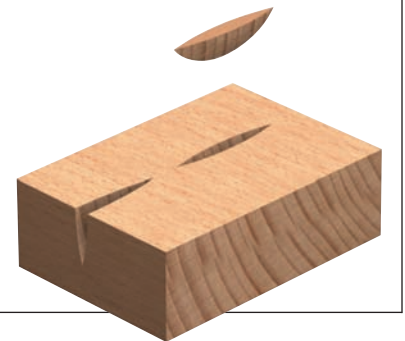
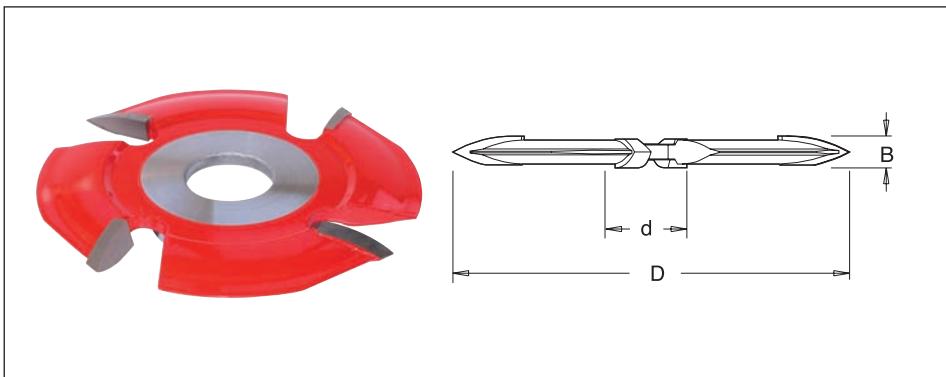
Spare Parts

Description	T.C. Blade	Wedge	Hex Screw	Hex Key
Product Ref.	IT/310 858 2	IT/199 031 2	IT/193 060 0	IT/194 008 0
Size	8x20x2	L=6	M5x16	S2.5

Blades sold in singles.

Resin Pocket Cutters

Hard wearing steel tool body complete with four tungsten carbide tips. Suitable for producing grooves and slots in softwood and hardwood for hiding ugly resin spots or knots.

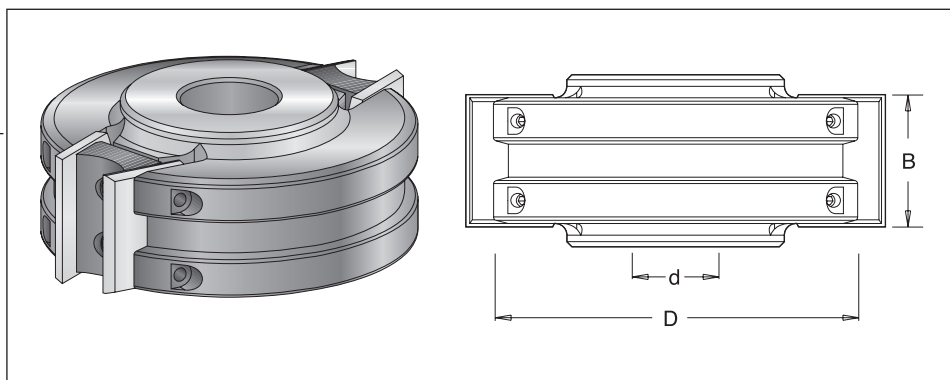
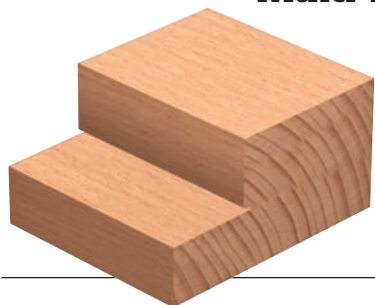


$\varnothing D$	B	Product Ref.	Teeth	$\varnothing d$	n
100	8	IT/707 520 4	4	22	7,700 - 15,000
100	15	IT/707 525 4	4	22	7,500 - 13,400



Multi Profile System Cutter Blocks 40 x 4mm/50 x 4mm

Cutterhead bodies in hard wearing aluminium or steel complete with two tool steel rebate knives and corresponding limiter plates. Suitable for jointing, rebating and profiling with 4mm thick knives and limiters in softwood and hardwood. 114mm diameter cutterhead for use with the 50 x 4mm knives and limiters on pages 96 - 101.



øD	B	Product Ref.	Teeth	ød	n
78	40	IT/776 010 1	2	30	7,000 - 9,000
93	40	IT/776 006 1	2	30	6,000 - 9,000
93	40	IT/776 006 7	2	1 1/4"	6,000 - 9,000
100	40	IT/776 020 1 *	2	30	5,500 - 8,400
100	40	IT/776 010 7 *	2	1 1/4"	5,500 - 8,400
120	40	IT/776 007 1	2	30	5,100 - 7,900
120	40	IT/776 007 7	2	1 1/4"	5,100 - 7,900
114	40/50	IT/776 008 1 **	2	30	5,500 - 8,500
114	40/50	IT/776 008 7 **	2	1 1/4"	5,500 - 8,500

* Aluminium Body.

** Can be used for 40mm & 50mm profile knives & limiter plates.

Spare Parts

Description	Rebate Knife	Limiter	Wedge	Set Screw	Hex Key
Product Ref.	IT/331 914 0	IT/341 914 0	IT/199 801 0	IT/193 026 6	IT/194 003 6
Size	40x20x4	38x19x4	L=38	M8x12	S4

Cutting diameter with mounted rebate knives:

Cutter Head Diameter	Diameter with Rebate Knives
78mm	= 90mm
93mm	= 105mm
120mm	= 132mm
100mm	= 112mm
114mm	= 128mm

! We have added to the range of 40 x 4mm profiles the most popular cutters with tungsten carbide tips. These knives are suitable for machining abrasive woods and man made boards.



Tools not included.

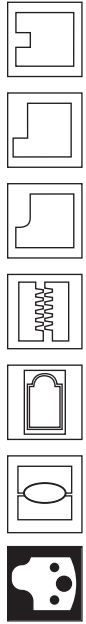
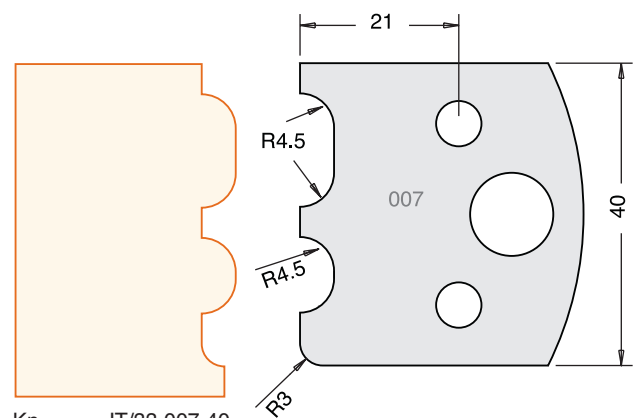
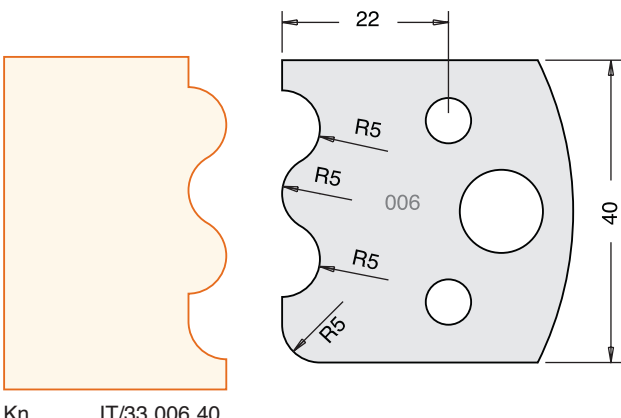
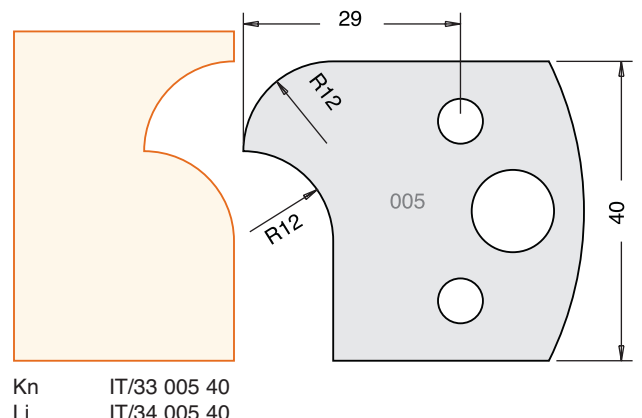
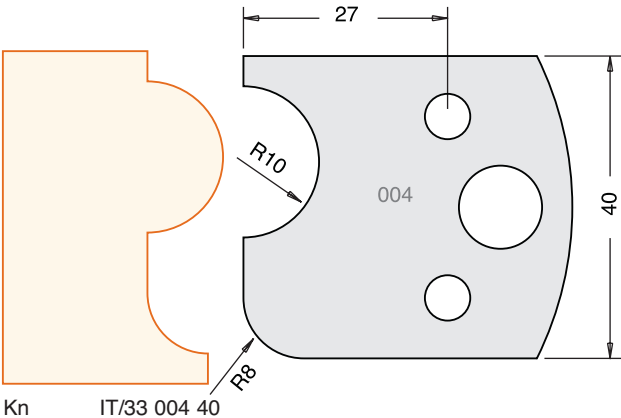
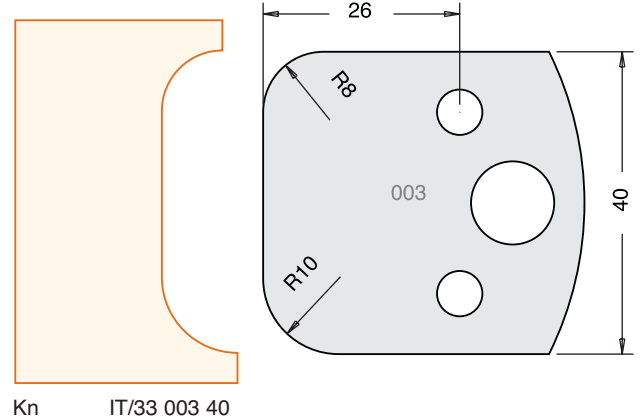
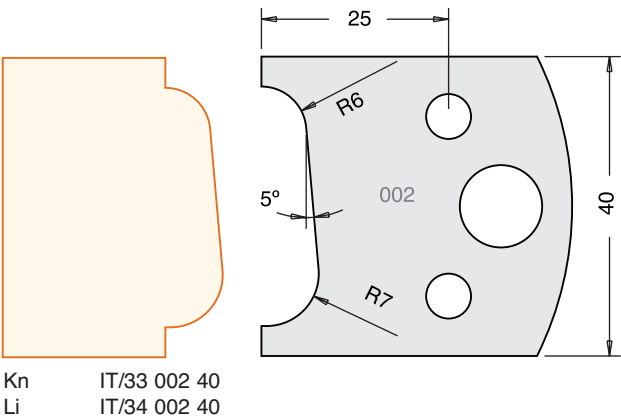
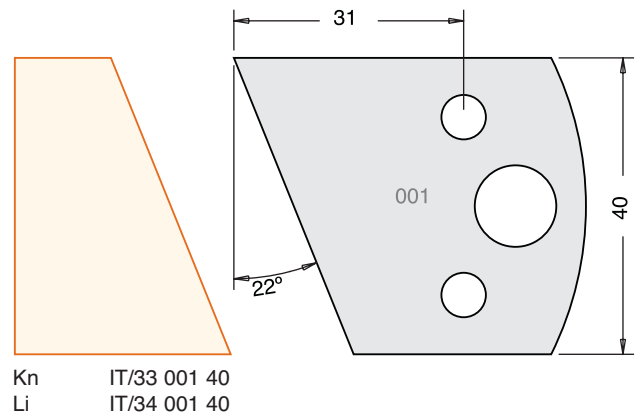
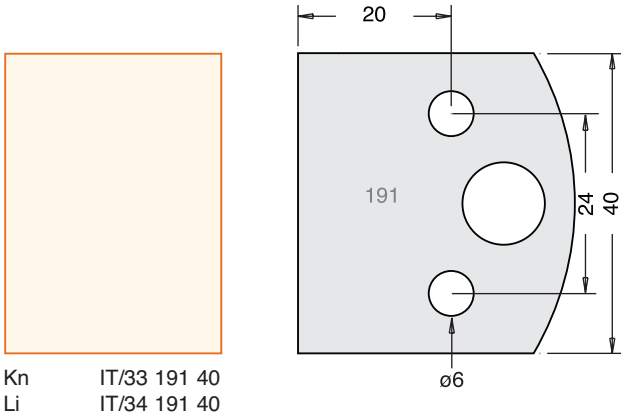
Empty wooden storage boxes for 40mm knives, limiters and cutterheads

Size	Product Ref.	Max Dia. of Cutterhead	Max No. of Knives/Limiters
125x220x60	IT/600 106 0	93	12 Pairs
155x240x60	IT/600 106 1	114	12 Pairs
195x265x60	IT/600 106 2	130	24 Pairs



All Blades Sold as a Pair
NB Profile drawing shows back of knife

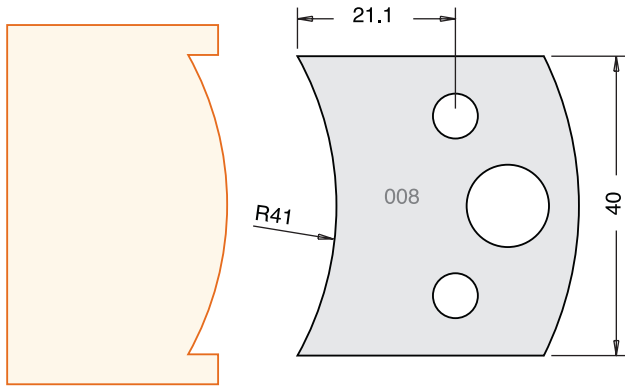
Tool Steel Multi Profile Cutters - 40x4mm



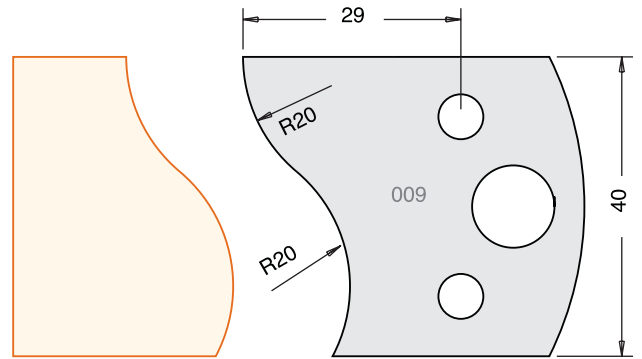
All images are actual size.

All Blades Sold as a Pair

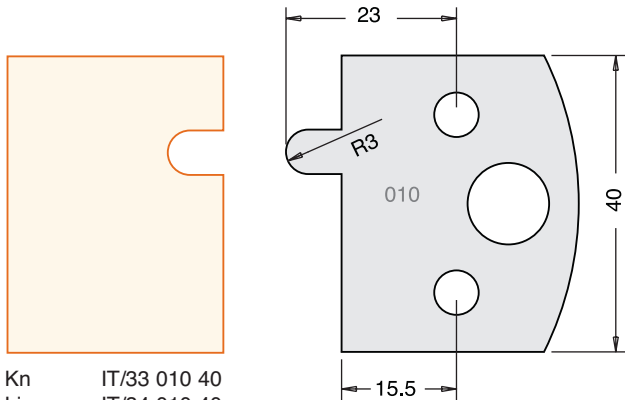
Tool Steel Multi Profile Cutters - 40x4mm



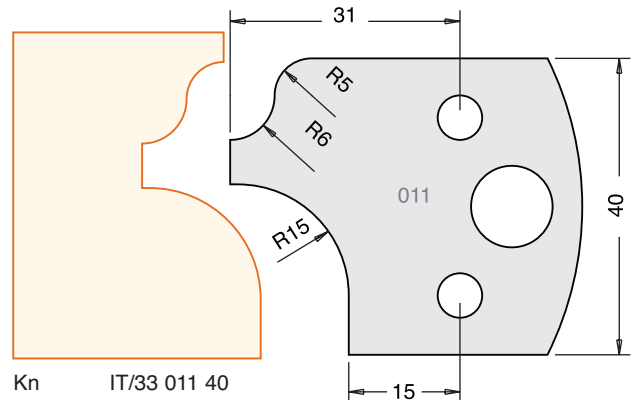
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Li IT/34 008 40



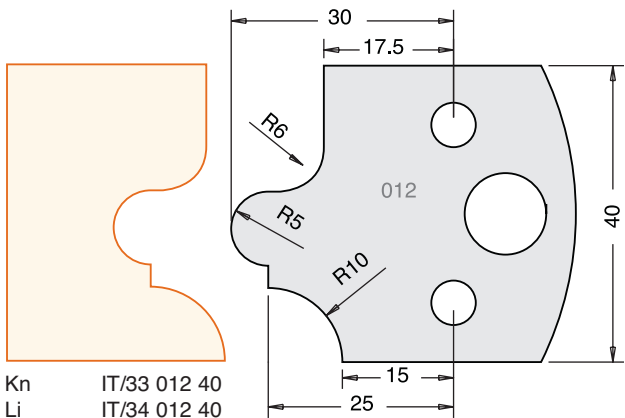
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Li IT/34 009 40



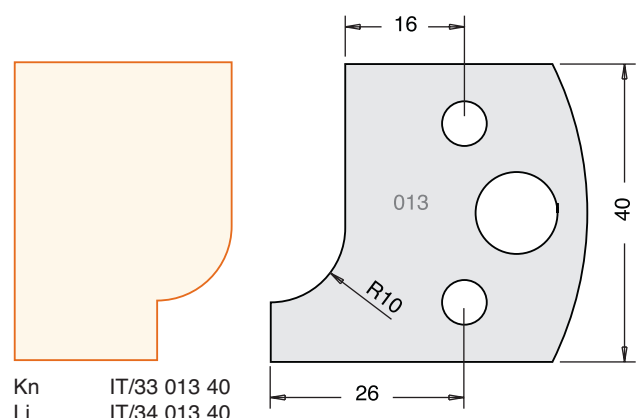
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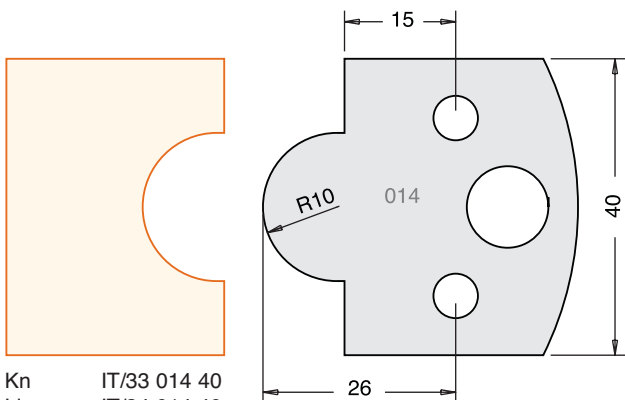
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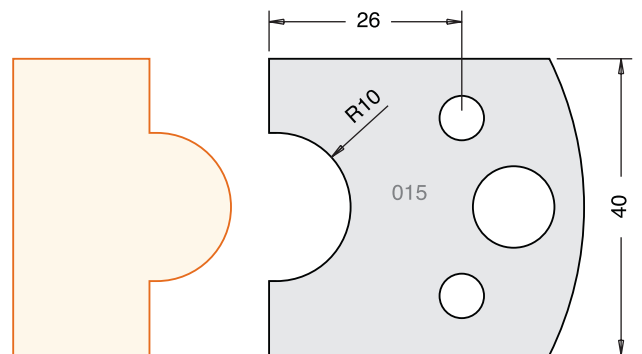
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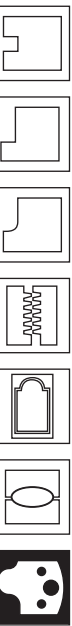
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Kn IT/33 014 40
Li IT/34 014 40



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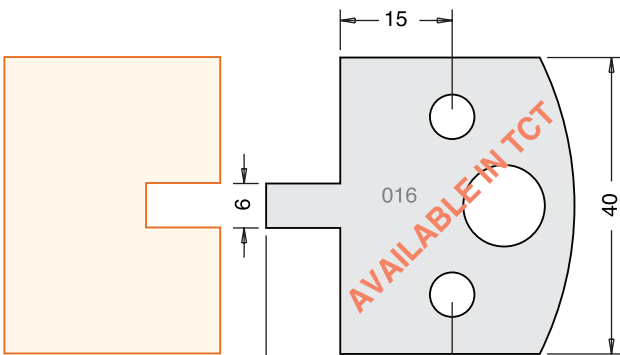


All images are actual size.

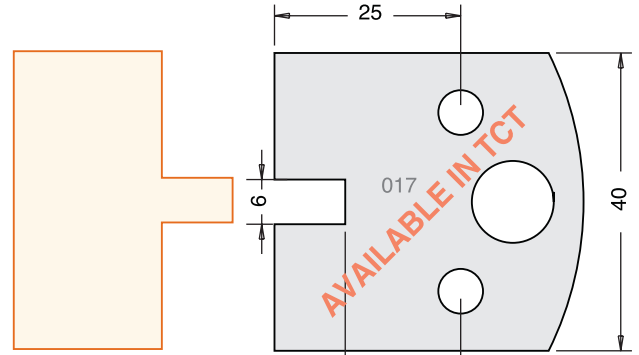


All Blades Sold as a Pair

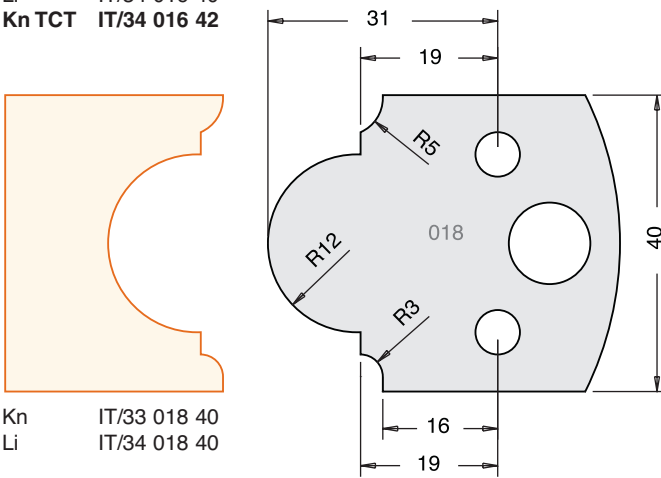
Tool Steel Multi Profile Cutters - 40x4mm



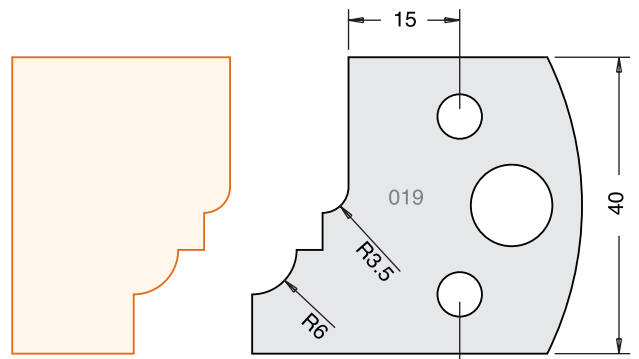
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Li IT/34 016 40
Kn TCT IT/34 016 42



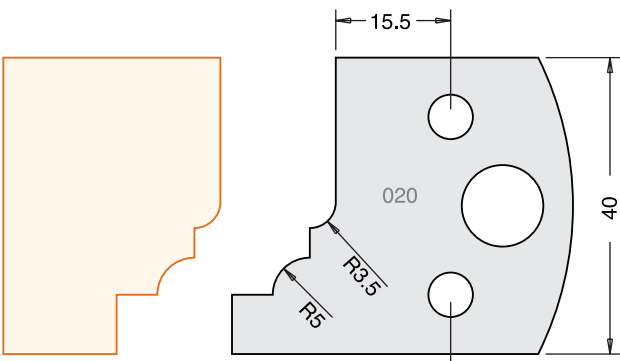
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Li IT/34 017 40
Kn TCT IT/34 017 42



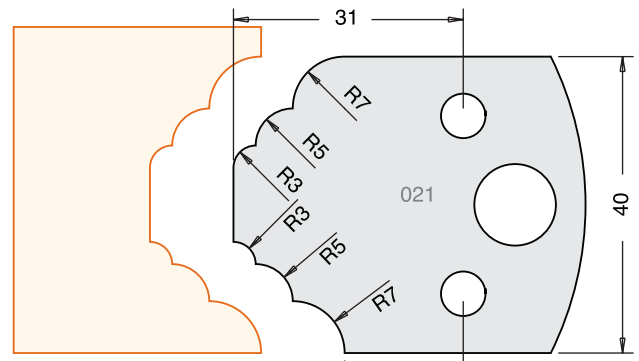
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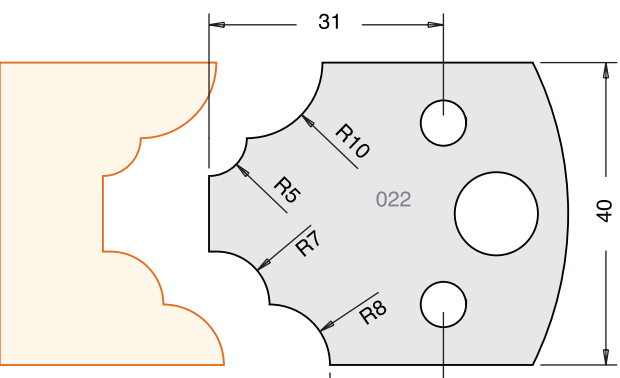
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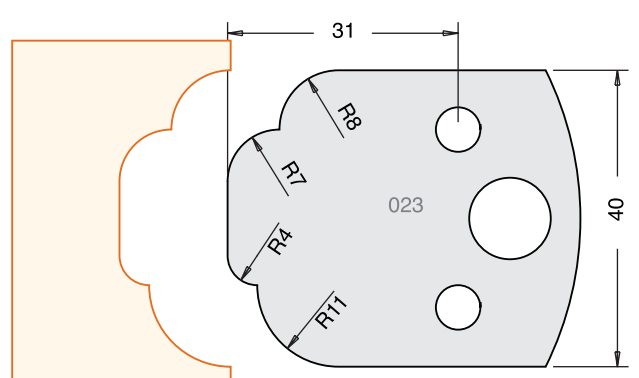
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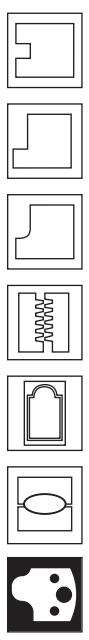
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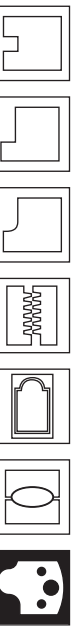
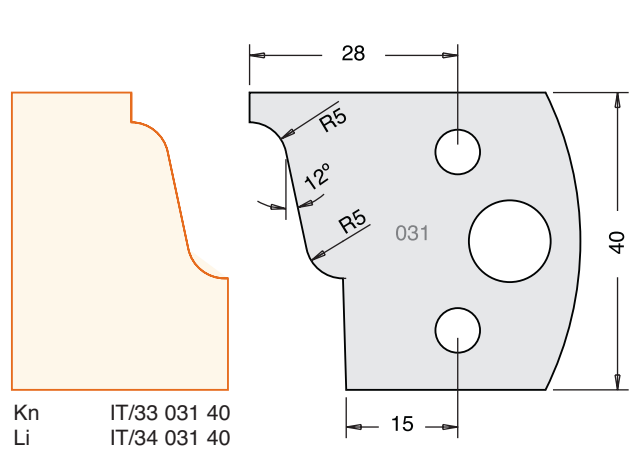
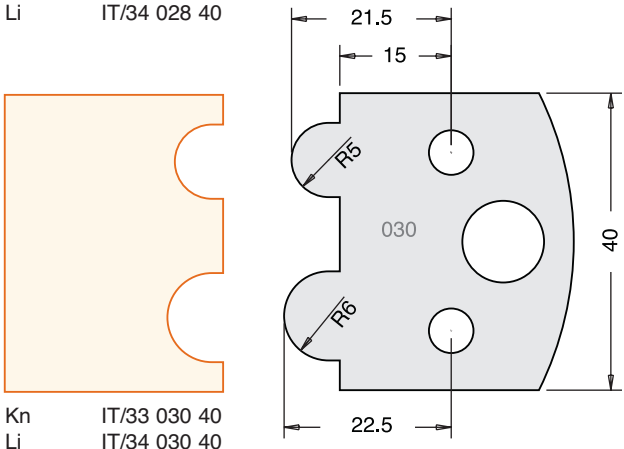
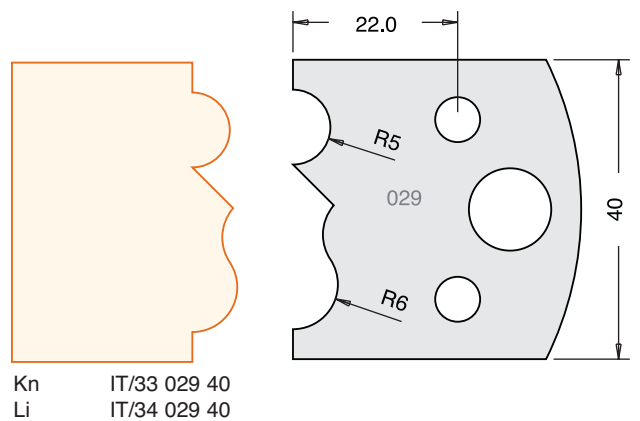
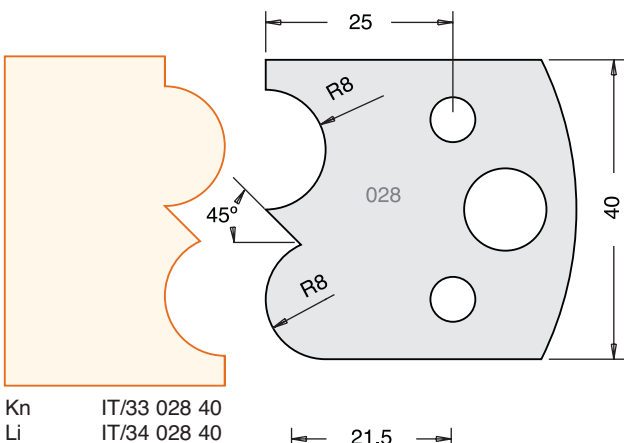
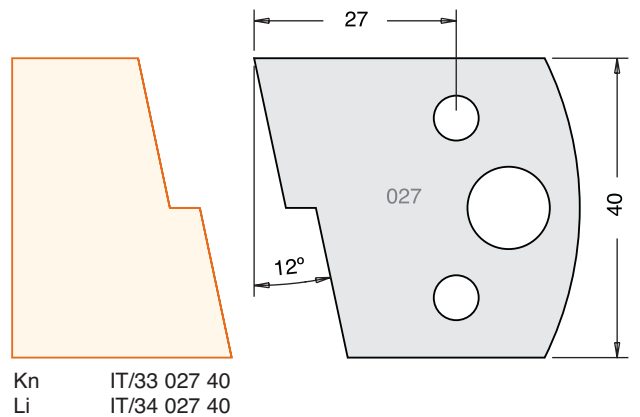
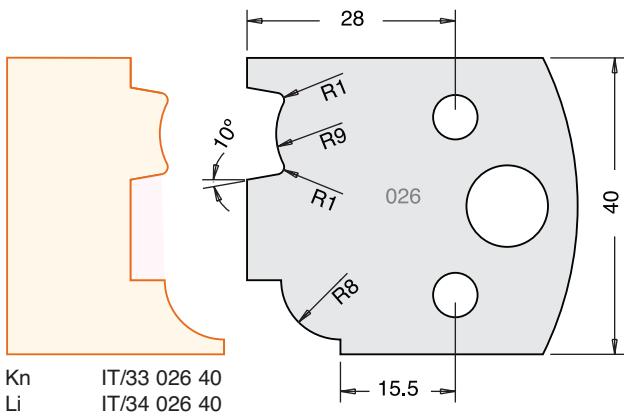
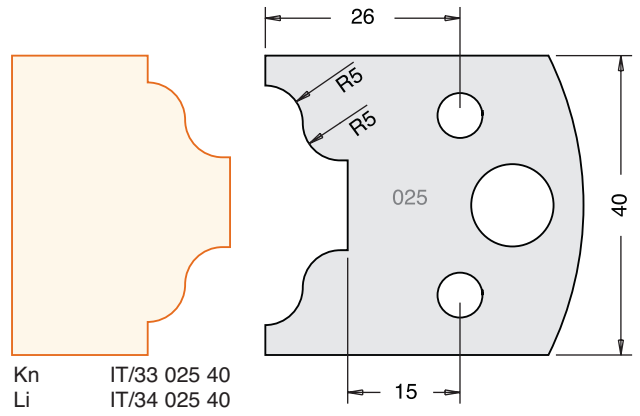
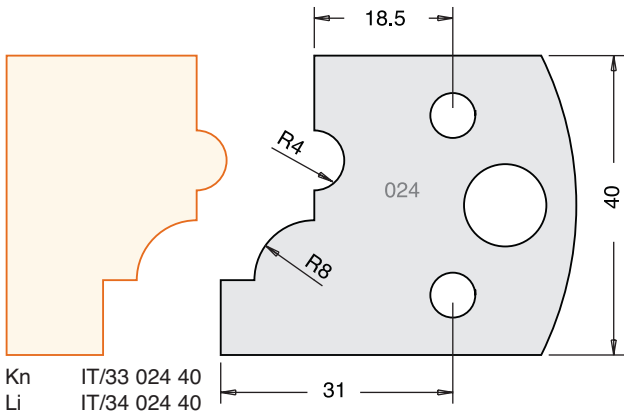
Kn IT/33 023 40
Li IT/34 023 40



All images are actual size.

All Blades Sold as a Pair

Tool Steel Multi Profile Cutters - 40x4mm

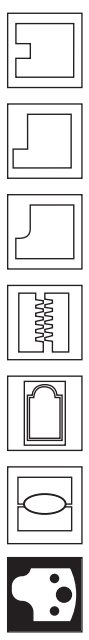
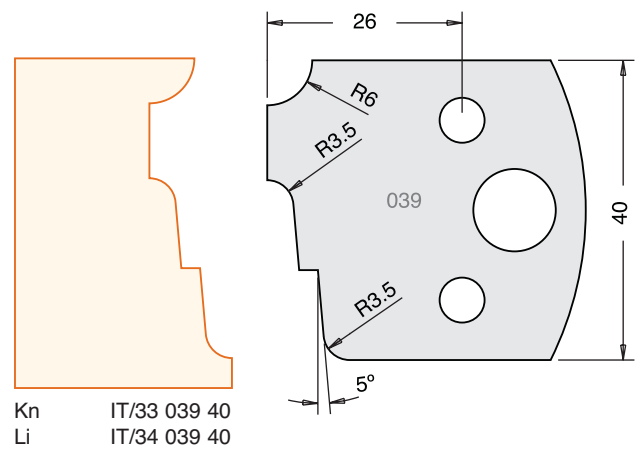
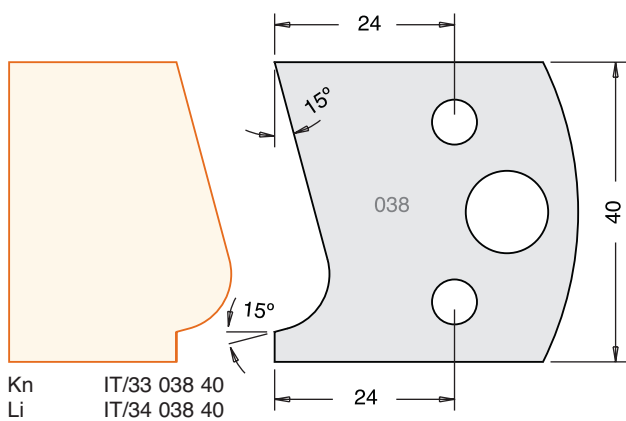
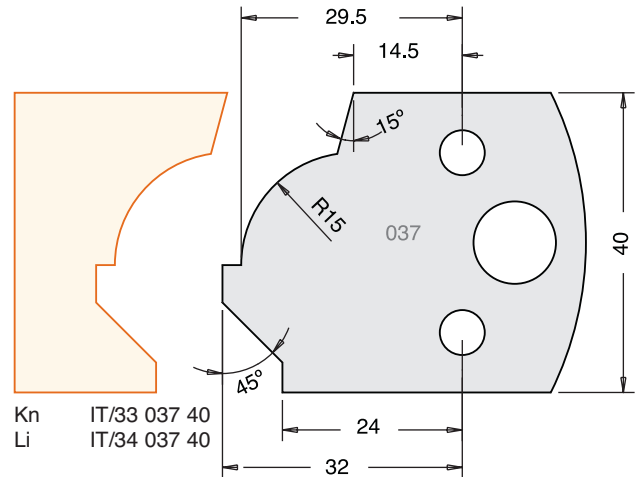
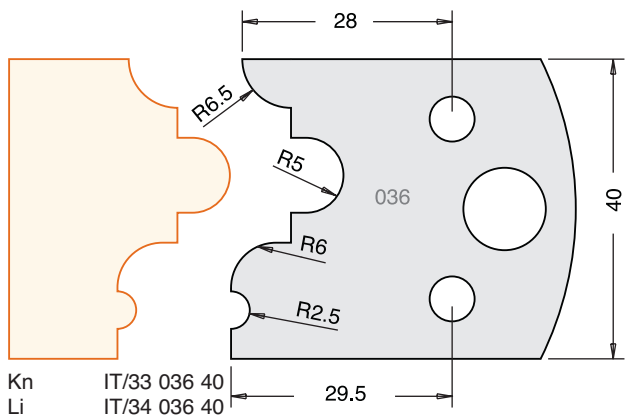
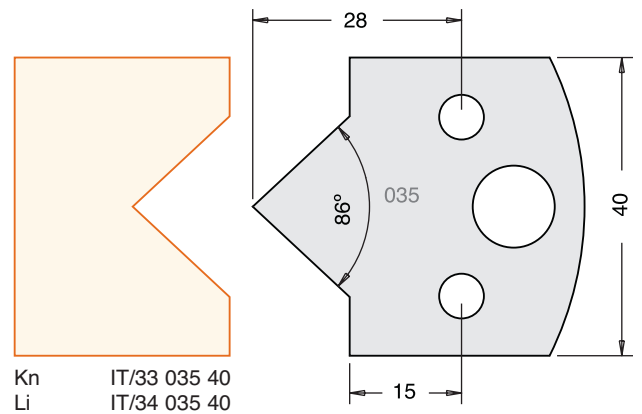
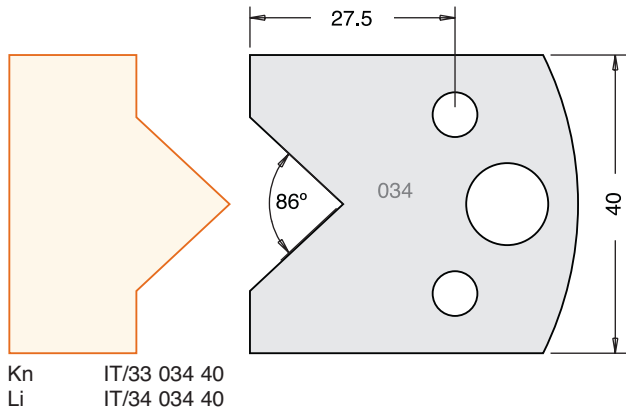
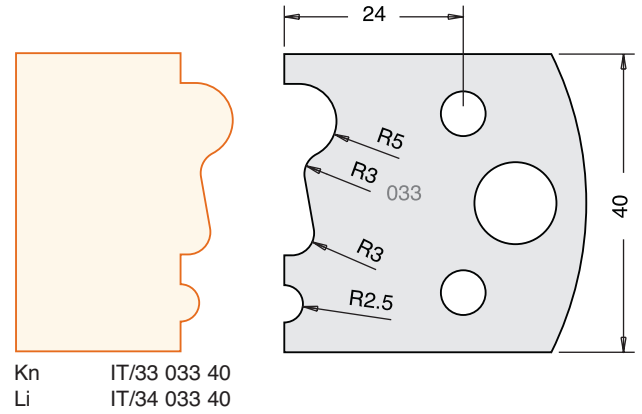
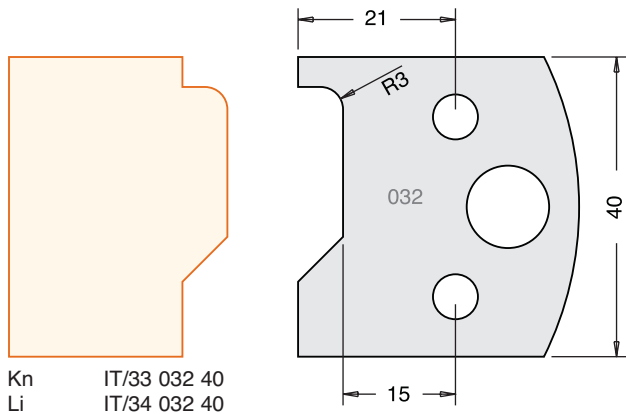


All images are actual size.



All Blades Sold as a Pair

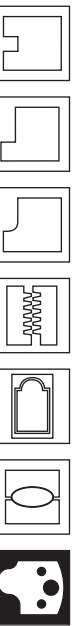
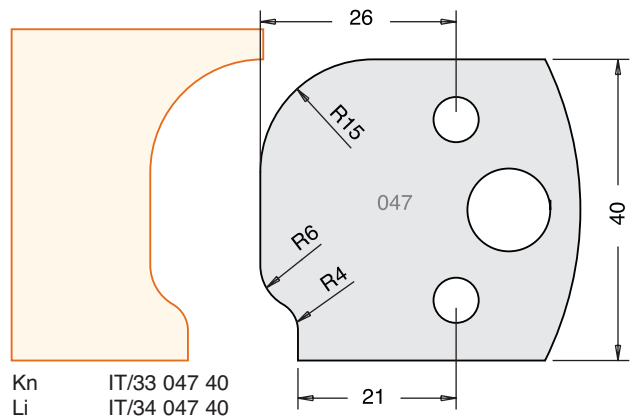
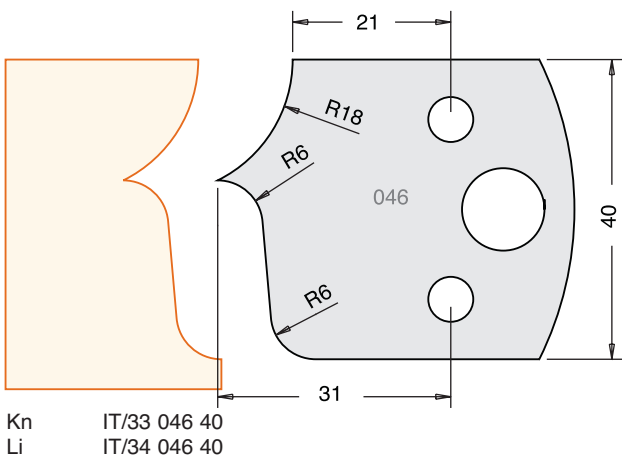
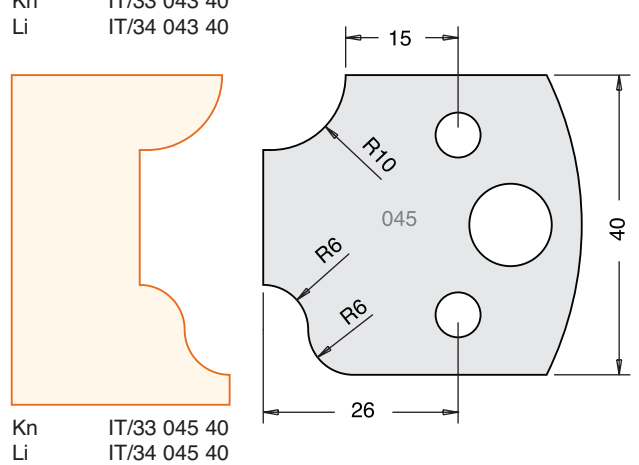
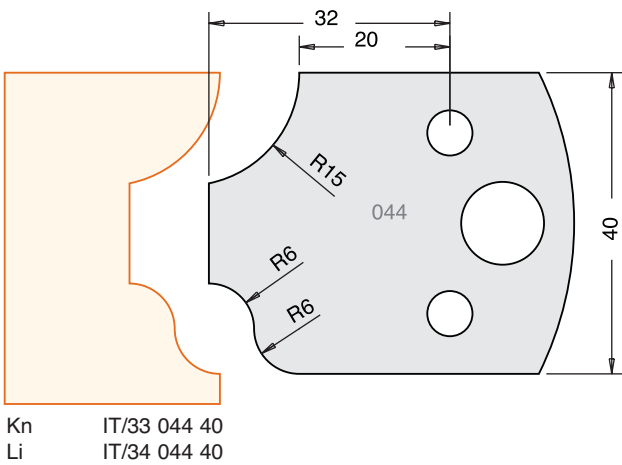
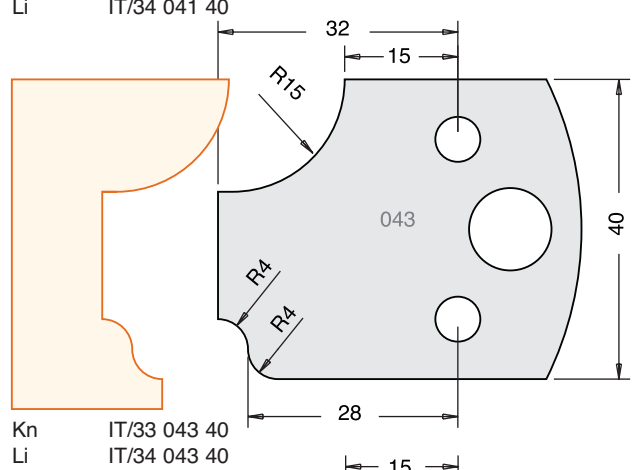
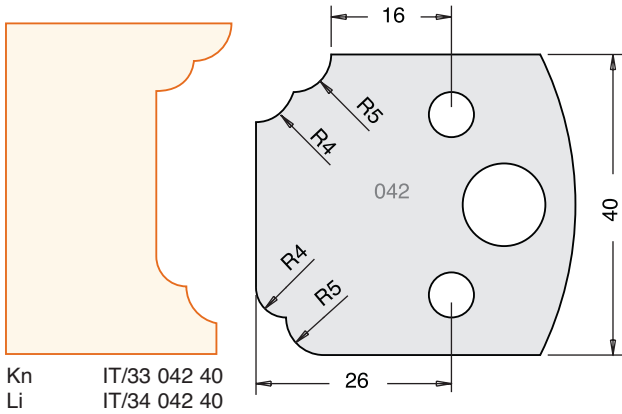
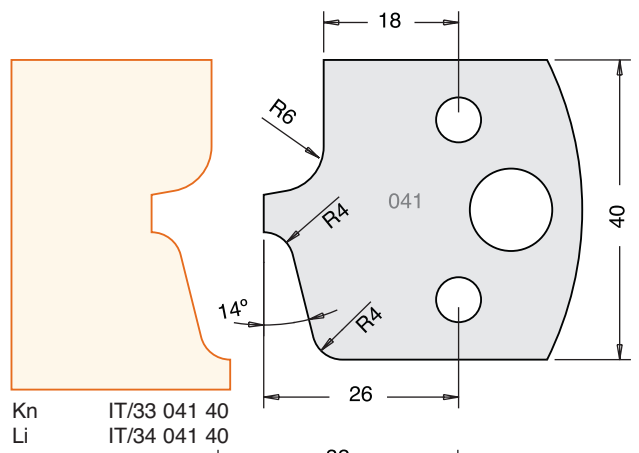
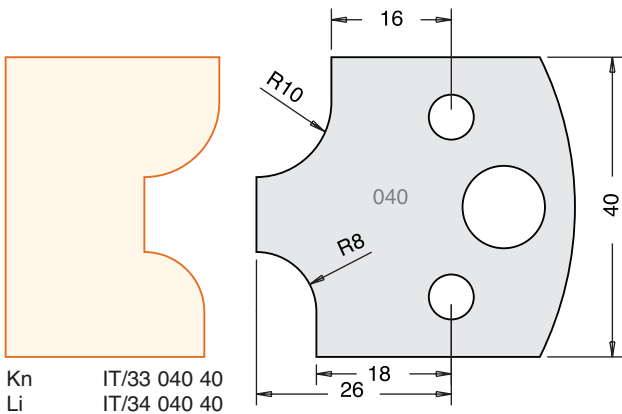
Tool Steel Multi Profile Cutters - 40x4mm



All images are actual size.

All Blades Sold as a Pair

Tool Steel Multi Profile Cutters - 40x4mm

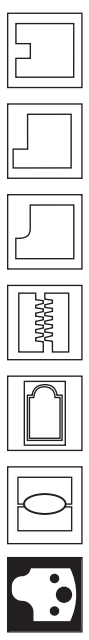
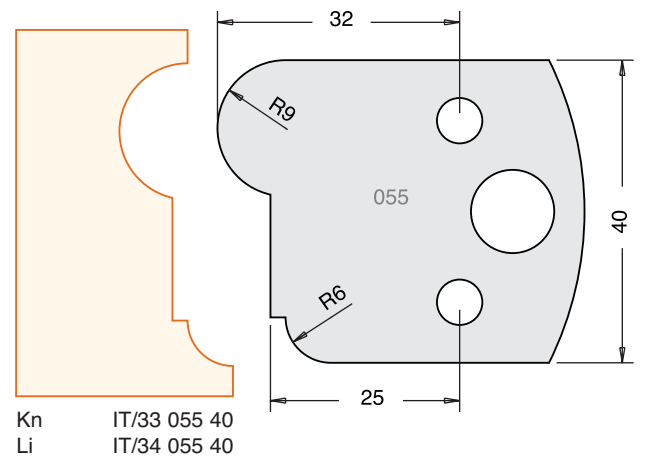
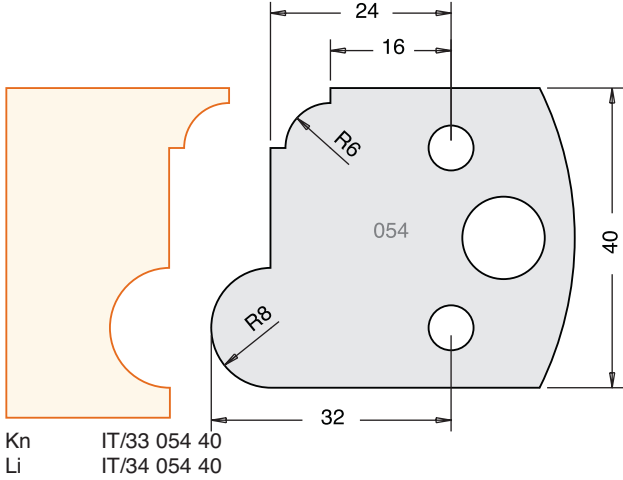
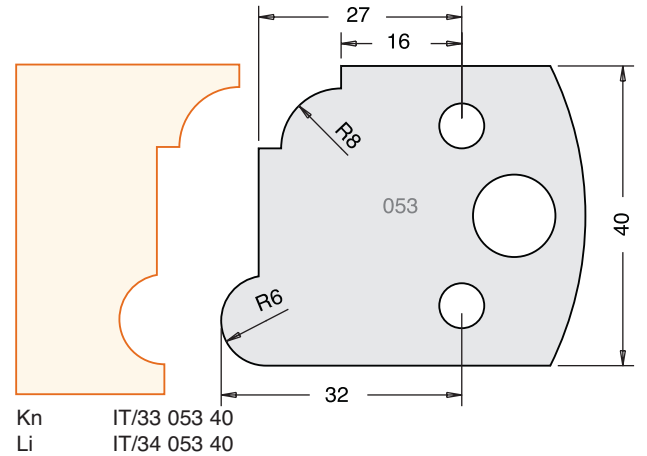
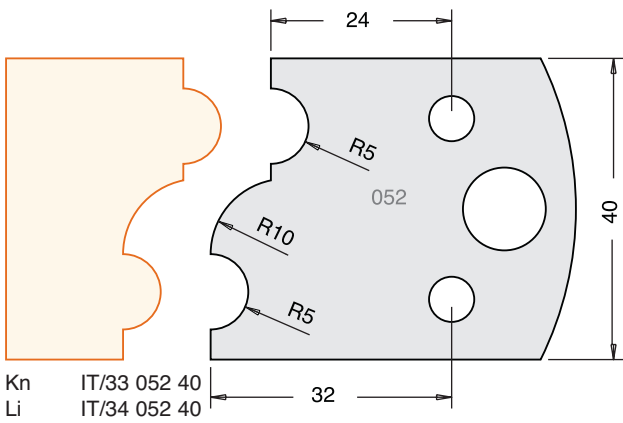
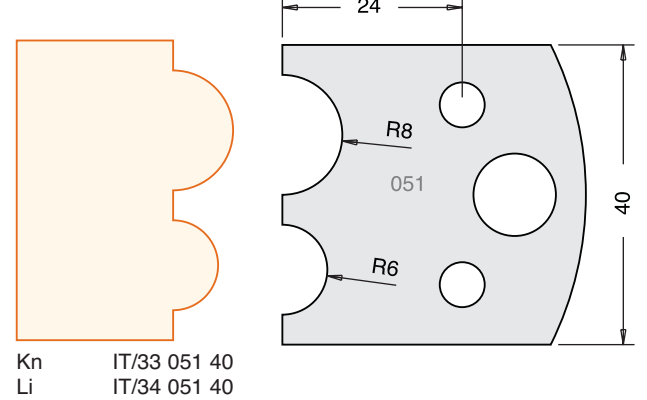
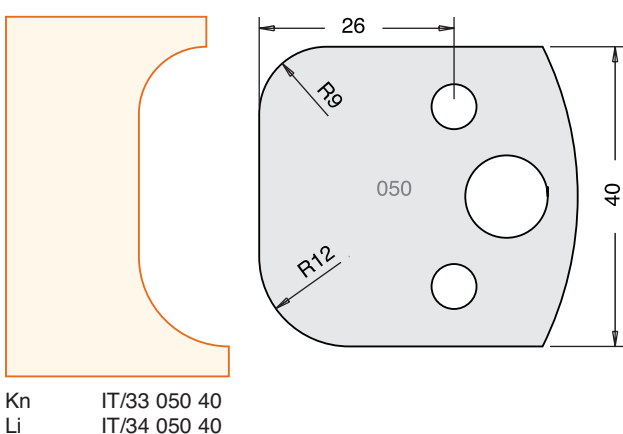
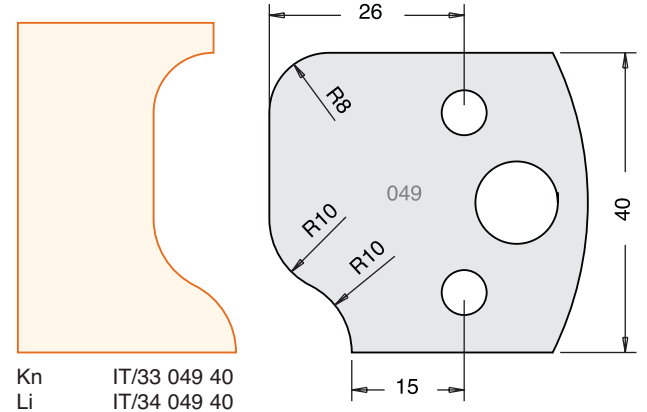
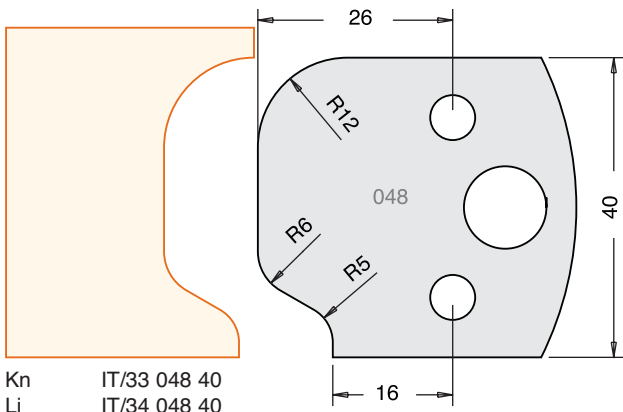


All images are actual size.



All Blades Sold as a Pair

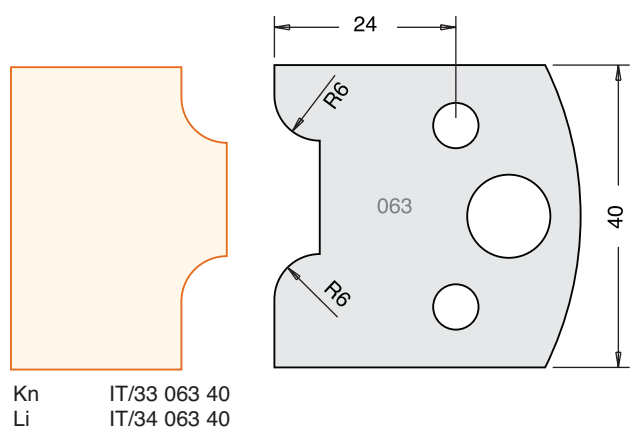
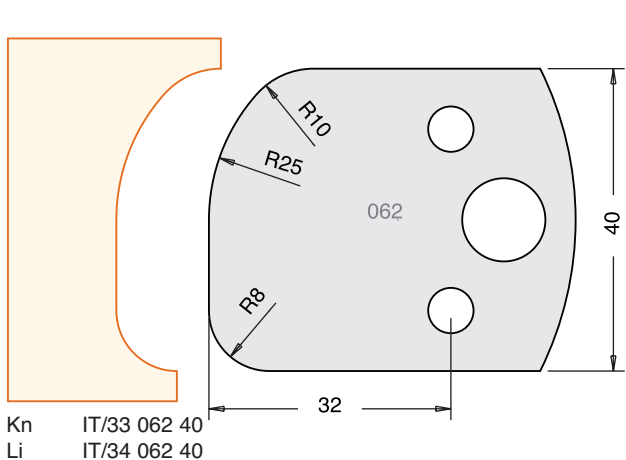
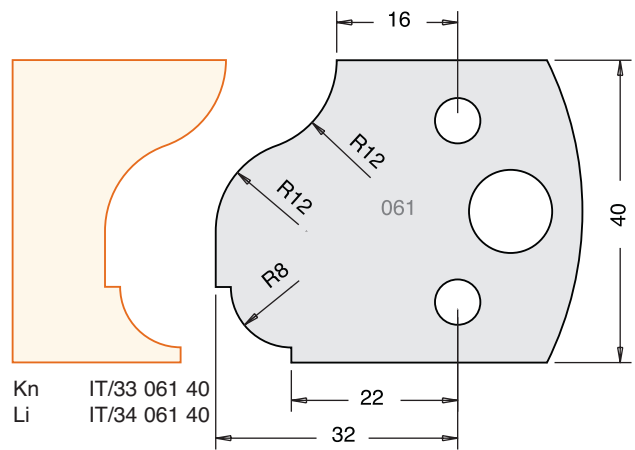
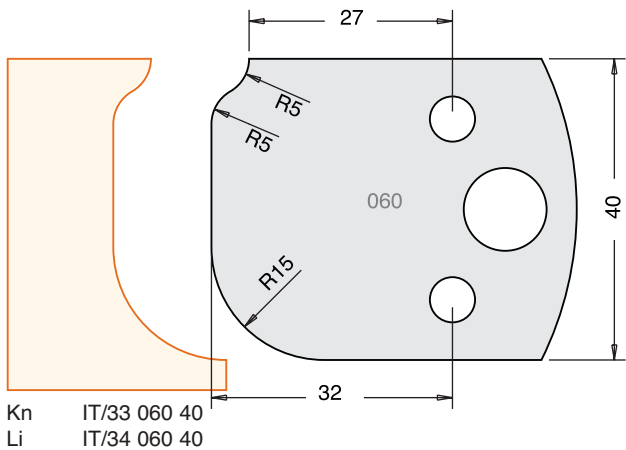
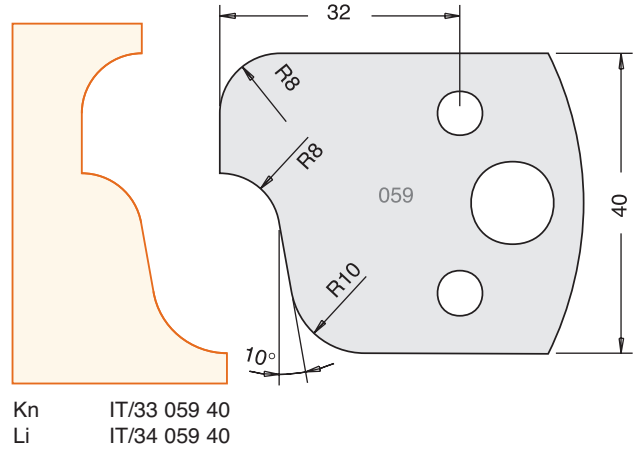
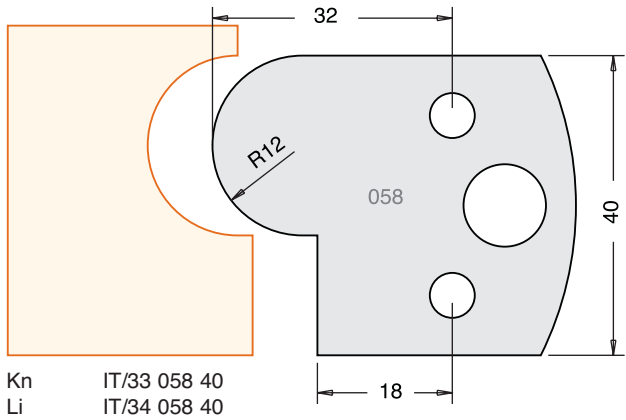
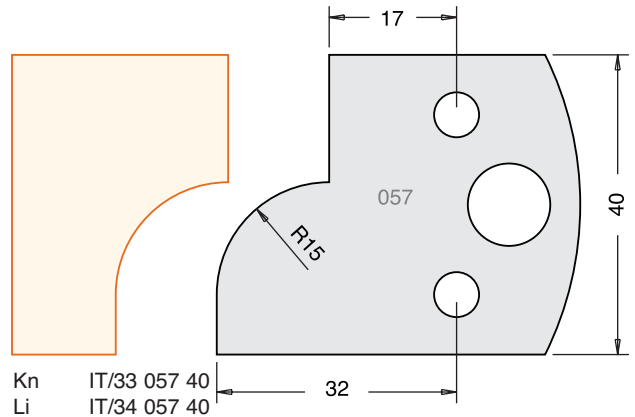
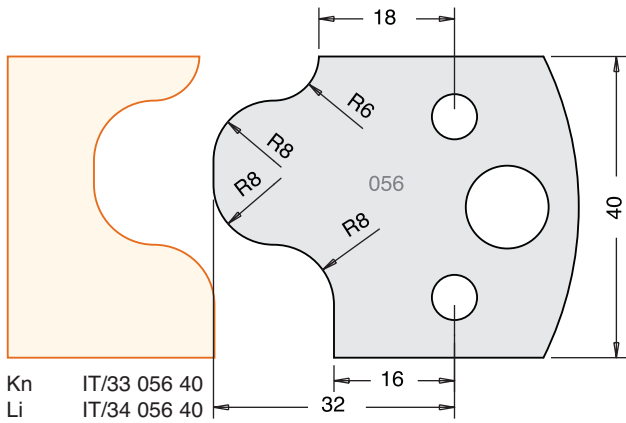
Tool Steel Multi Profile Cutters - 40x4mm



All images are actual size.

All Blades Sold as a Pair

Tool Steel Multi Profile Cutters - 40x4mm

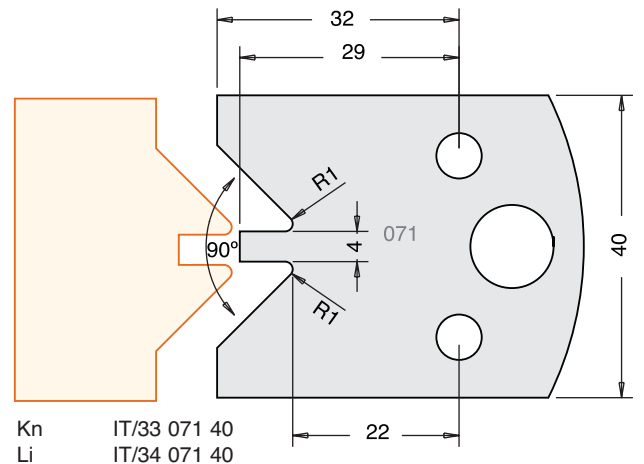
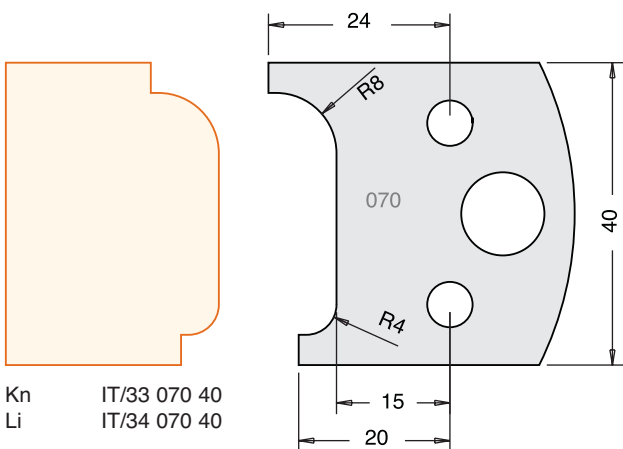
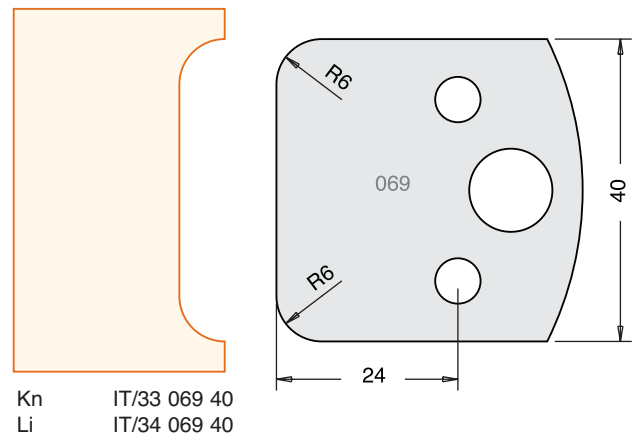
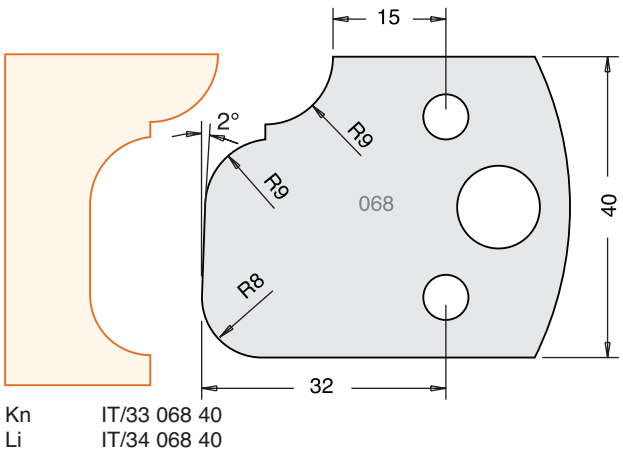
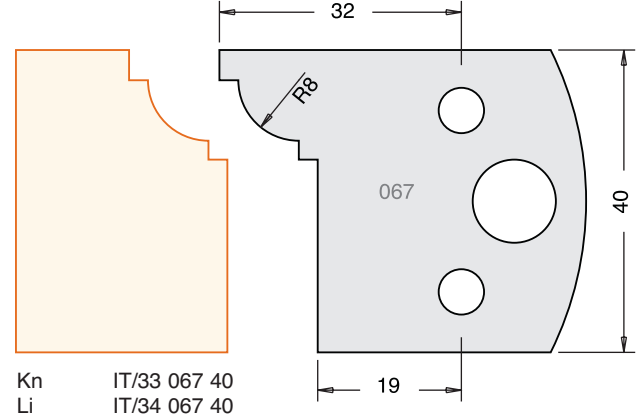
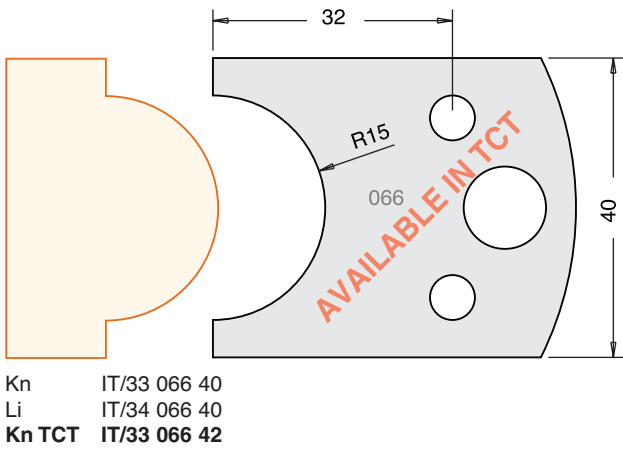
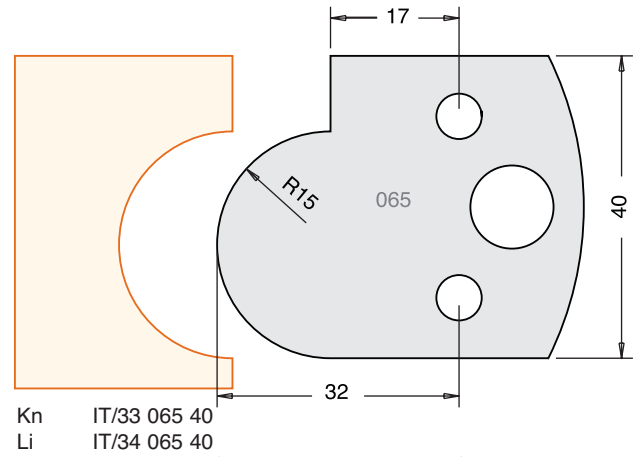
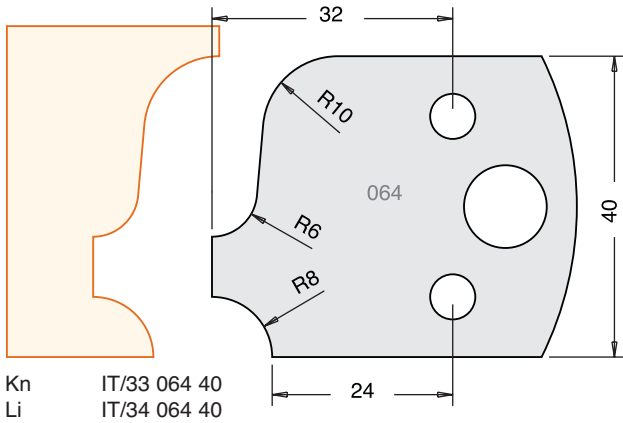


All images are actual size.



All Blades Sold as a Pair

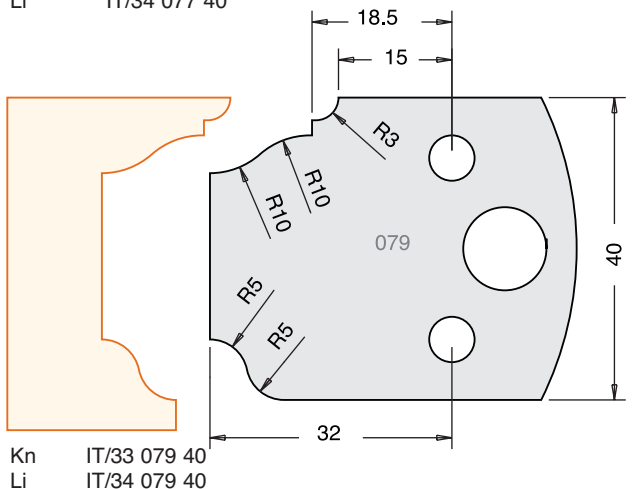
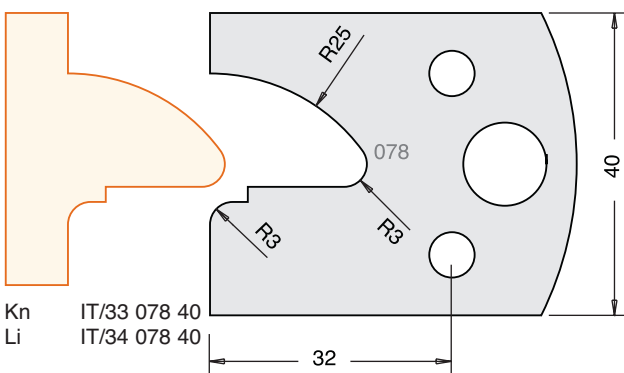
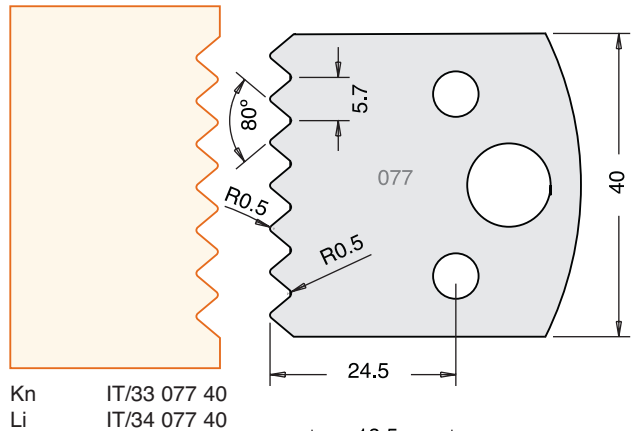
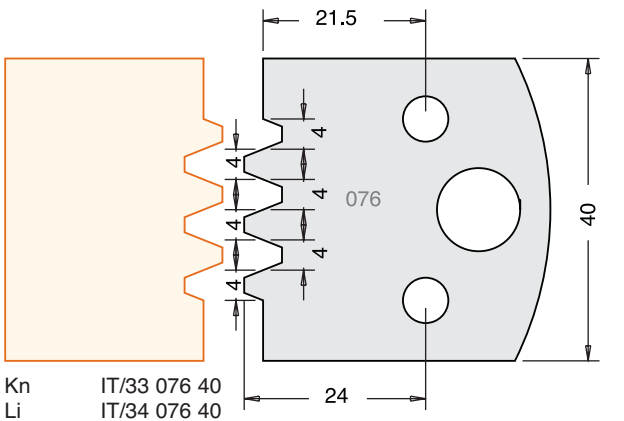
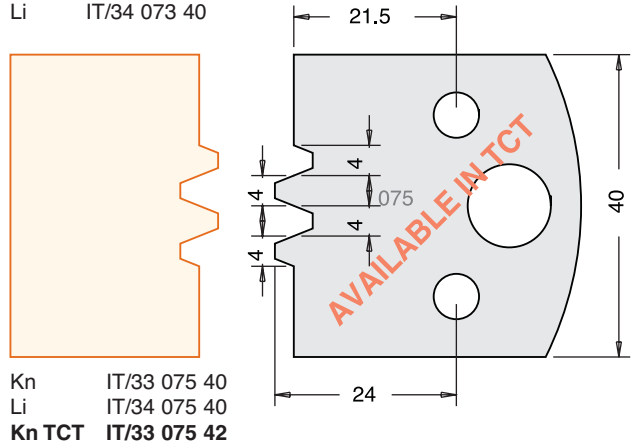
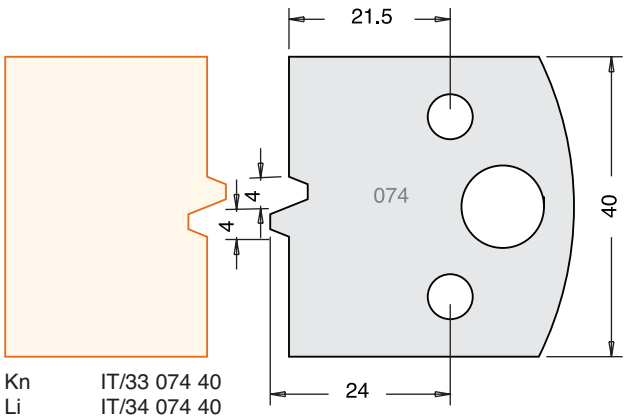
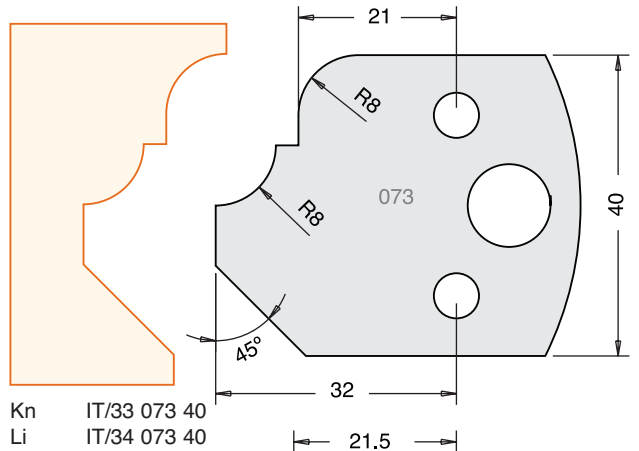
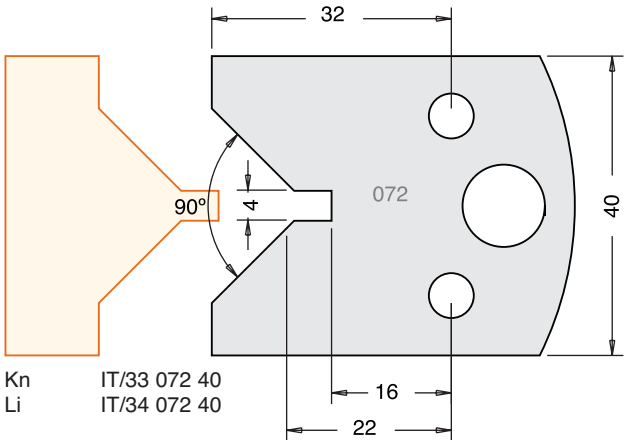
Tool Steel Multi Profile Cutters - 40x4mm



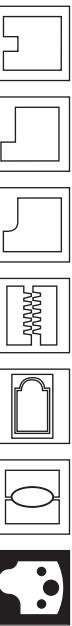
All images are actual size.

All Blades Sold as a Pair

Tool Steel Multi Profile Cutters - 40x4mm



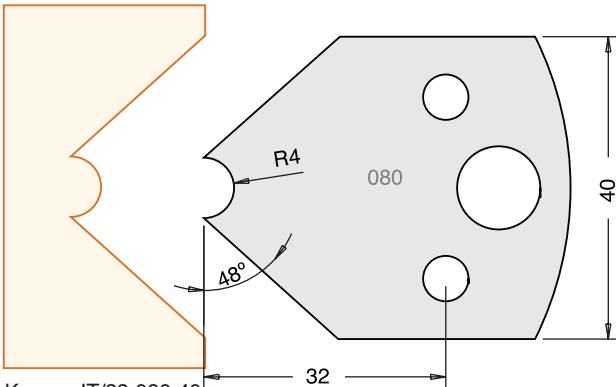
All images are actual size.



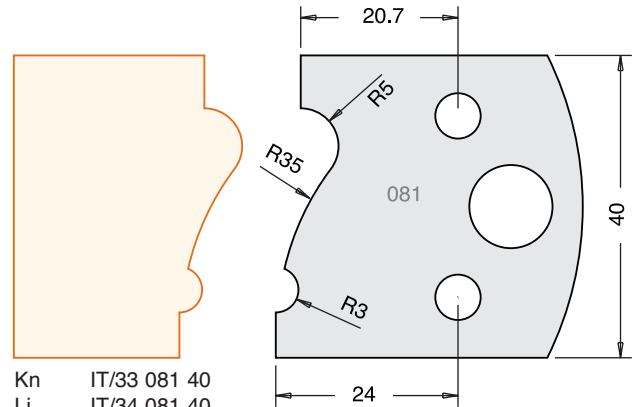


All Blades Sold as a Pair

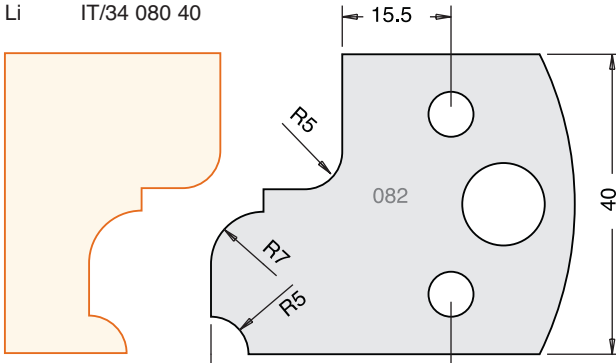
Tool Steel Multi Profile Cutters - 40x4mm



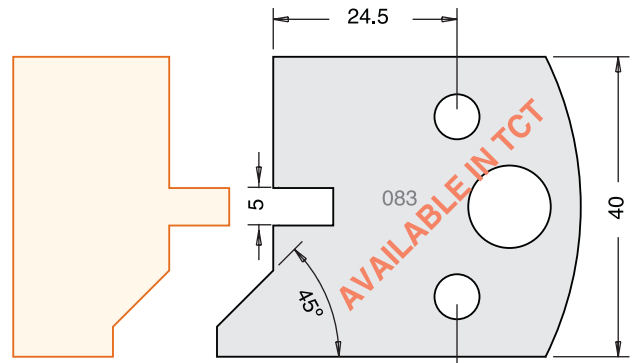
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Li IT/34 080 40



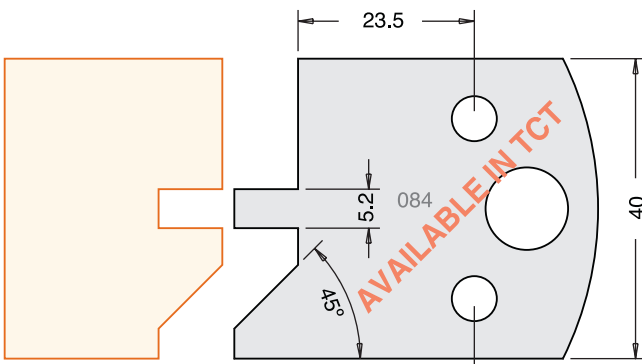
Kn IT/33 081 40
Li IT/34 081 40



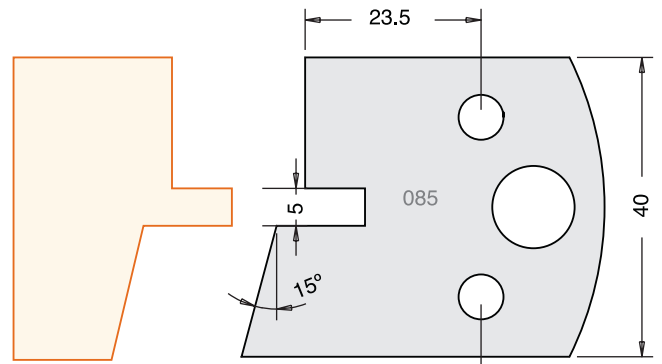
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Li IT/34 082 40



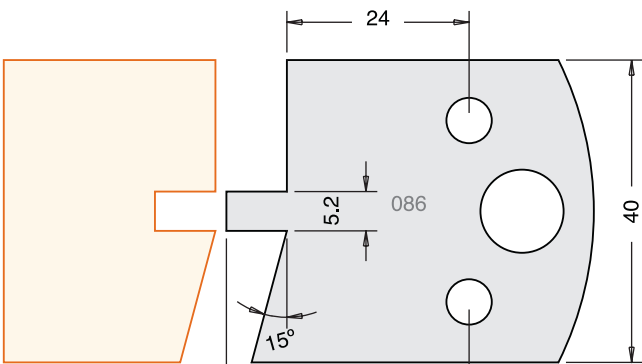
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Li IT/34 083 40
Kn TCT IT/33 083 42



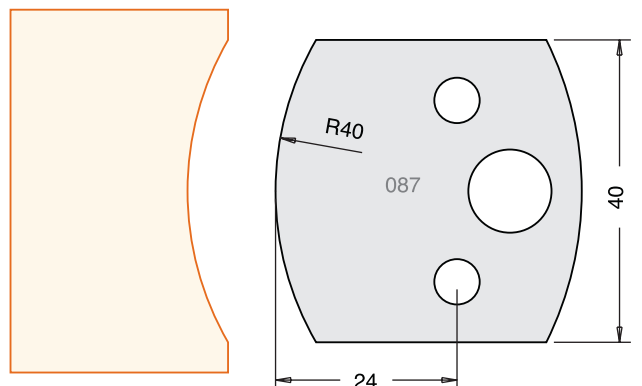
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Kn IT/33 085 40
Li IT/34 085 40



Kn IT/33 086 40
Li IT/34 086 40

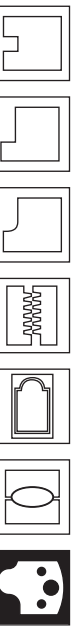
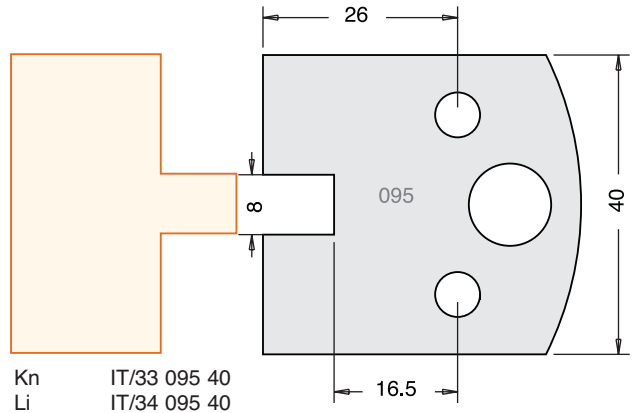
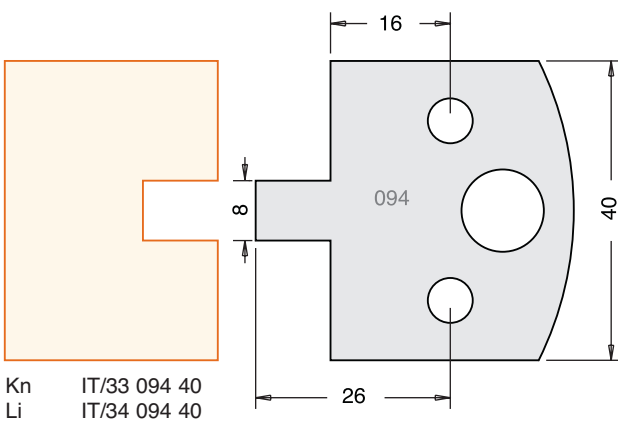
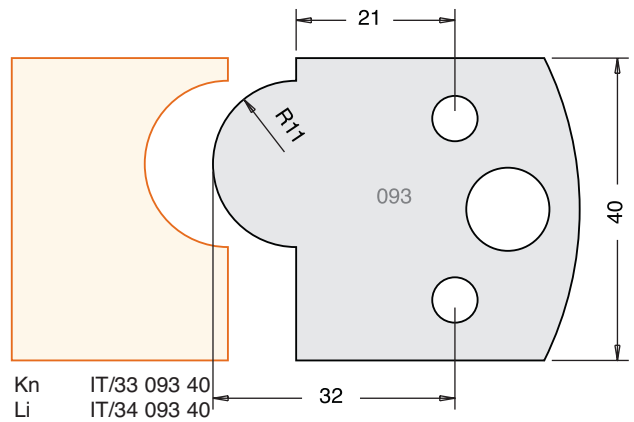
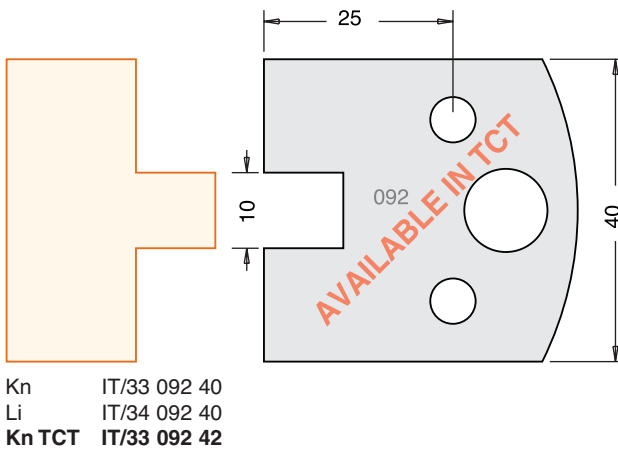
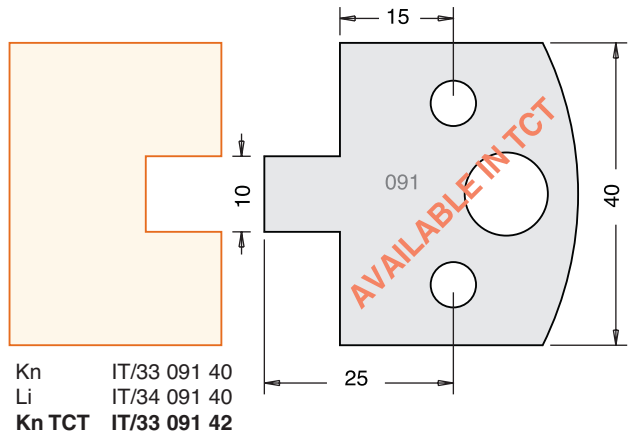
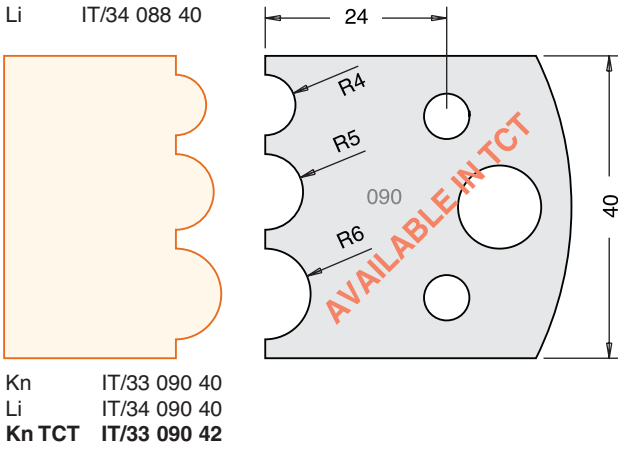
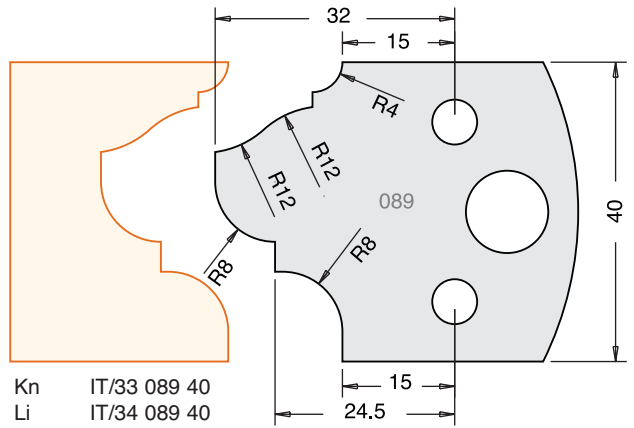
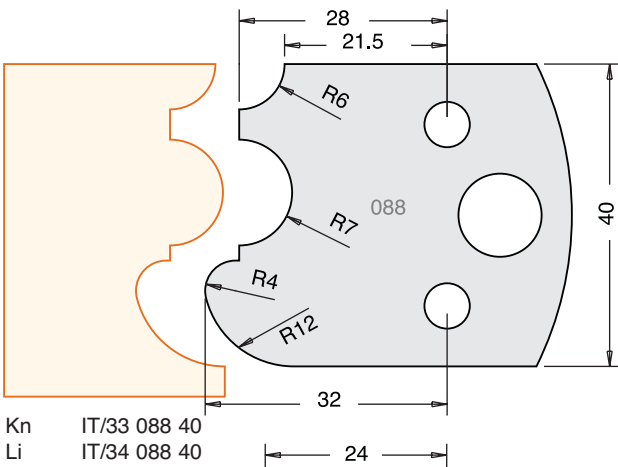


Kn IT/33 087 40
Li IT/34 087 40

All images are actual size.

All Blades Sold as a Pair

Tool Steel Multi Profile Cutters - 40x4mm

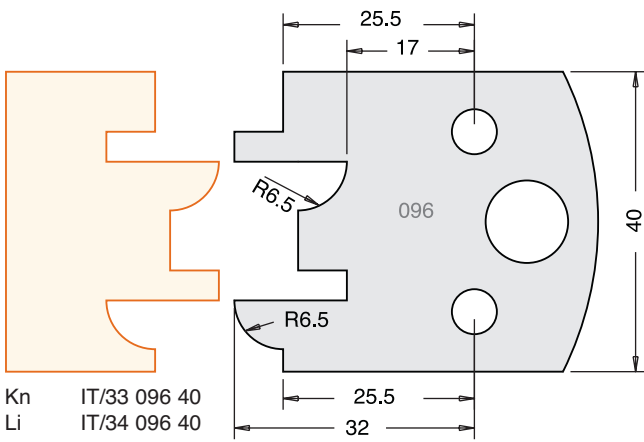


All images are actual size.

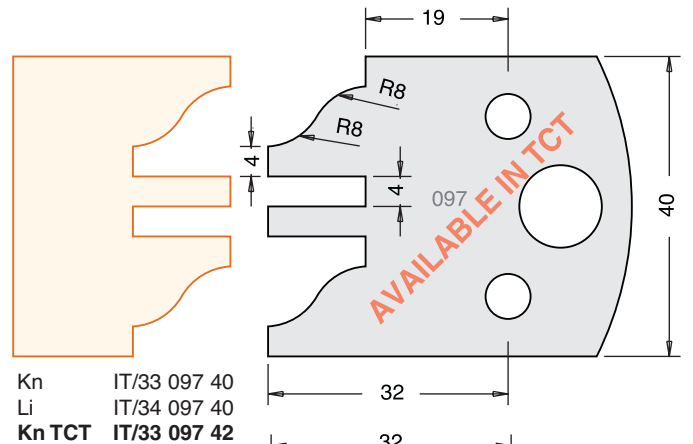


All Blades Sold as a Pair

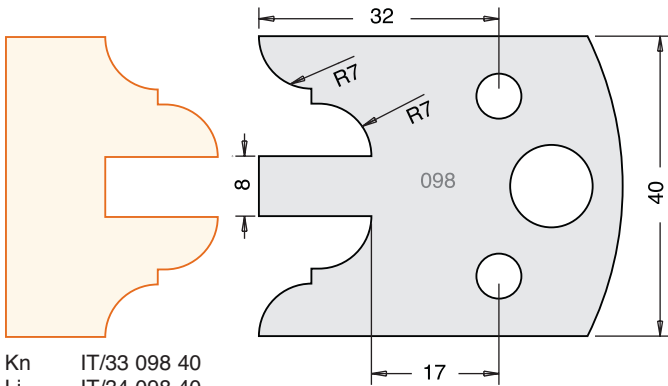
Tool Steel Multi Profile Cutters - 40x4mm



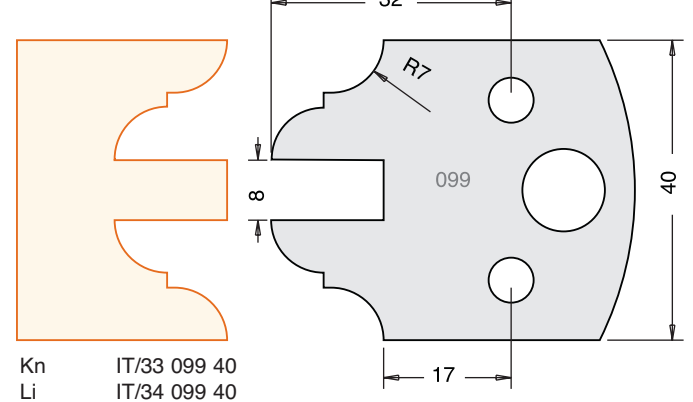
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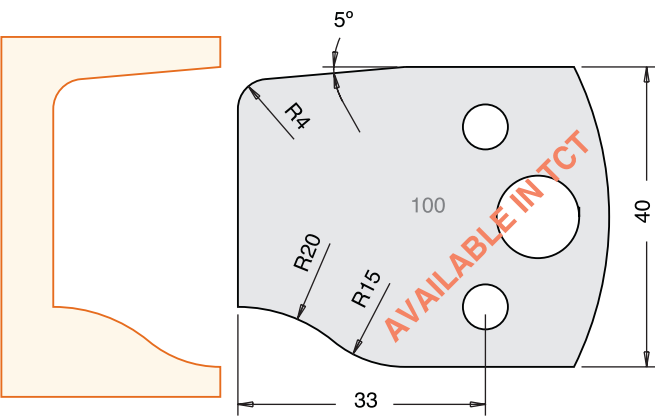
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Kn TCT IT/33 097 42



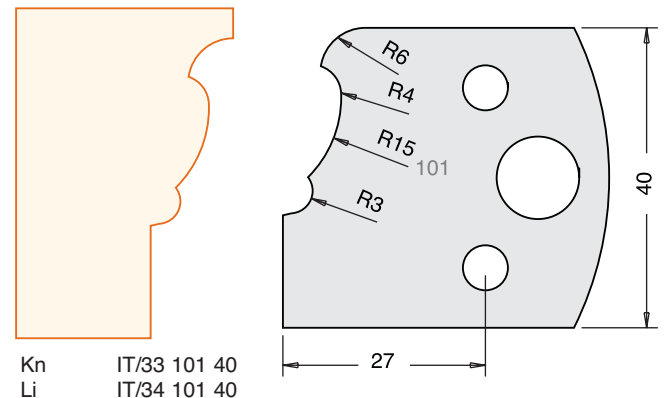
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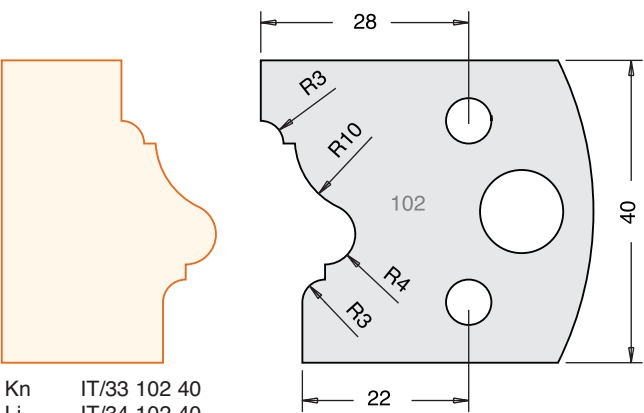
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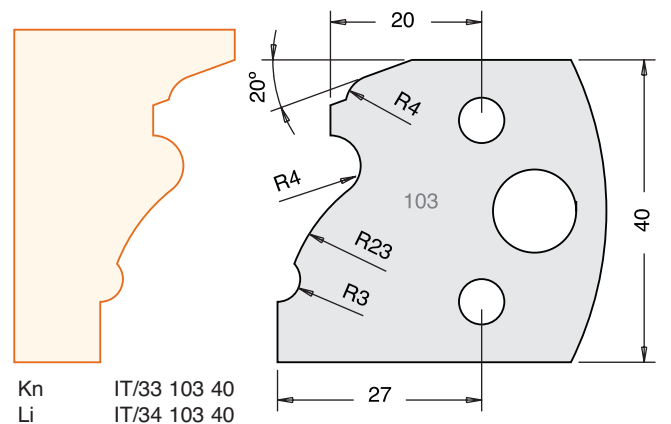
Kn IT/33 100 40
Li IT/34 100 40
Kn TCT IT/33 100 42



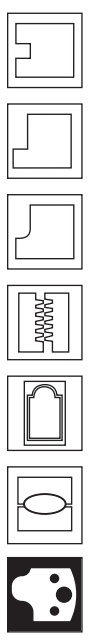
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Li IT/34 101 40



Kn IT/33 102 40
Li IT/34 102 40



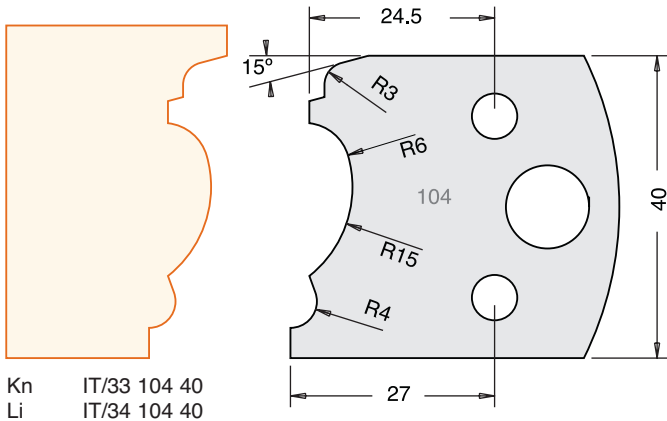
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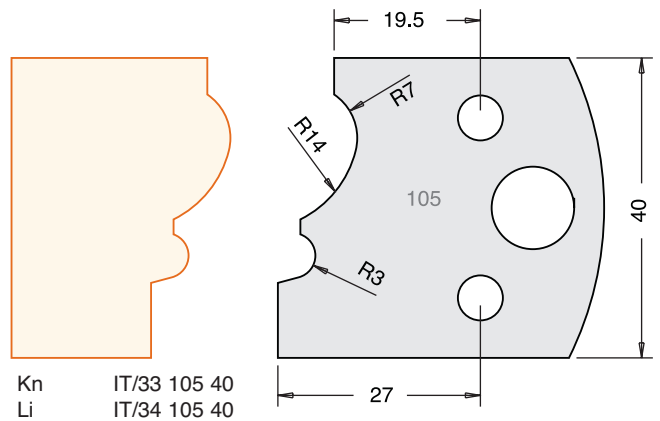
All images are actual size.

All Blades Sold as a Pair

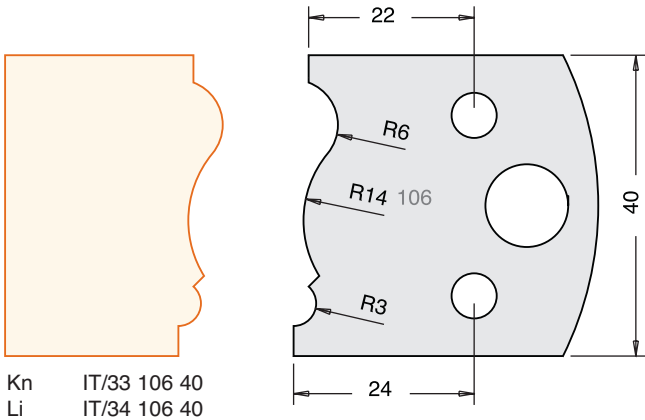
Tool Steel Multi Profile Cutters - 40x4mm



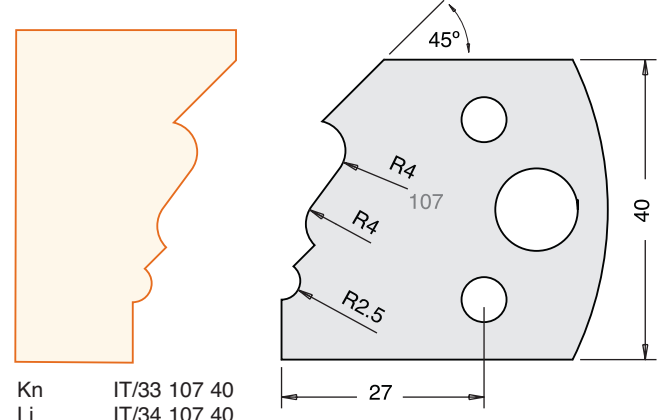
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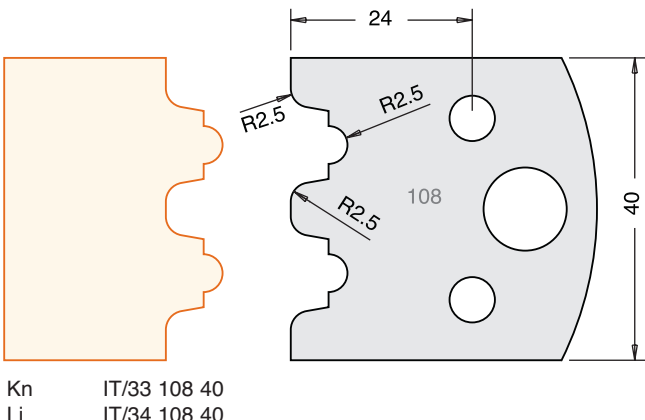
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Li IT/34 105 40



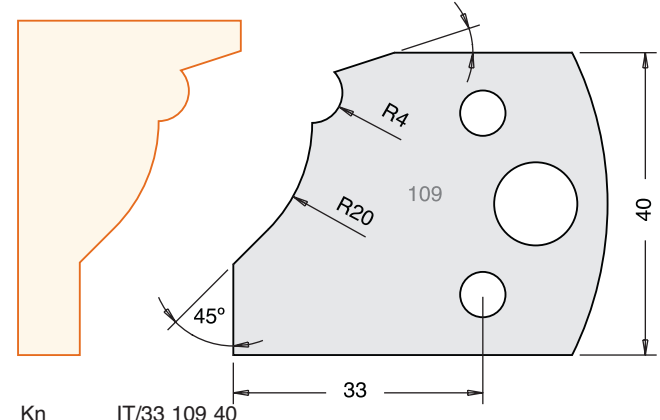
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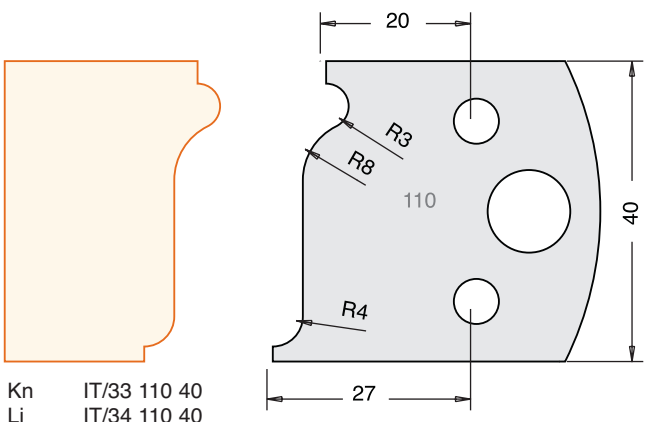
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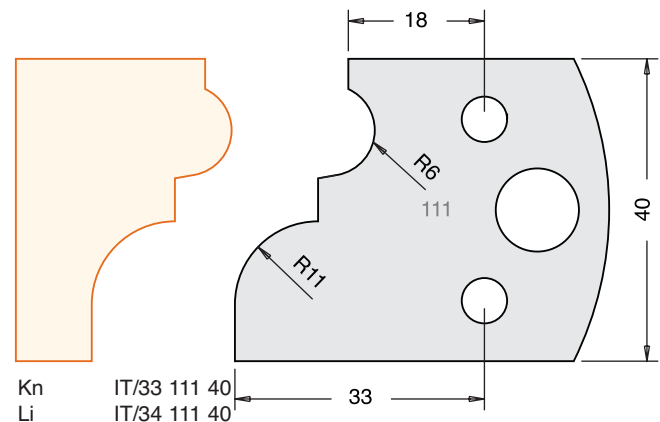
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Kn IT/33 109 40
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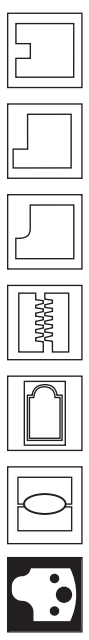
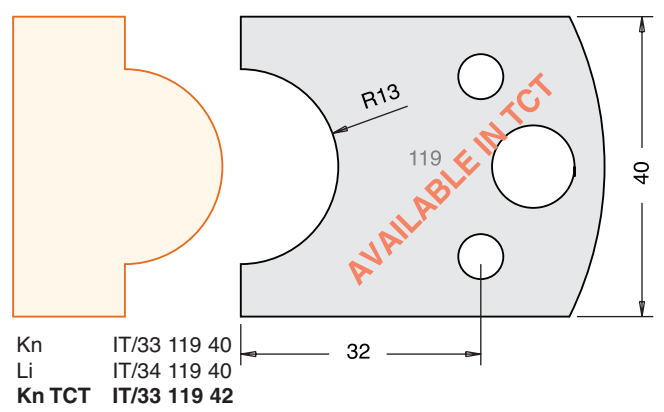
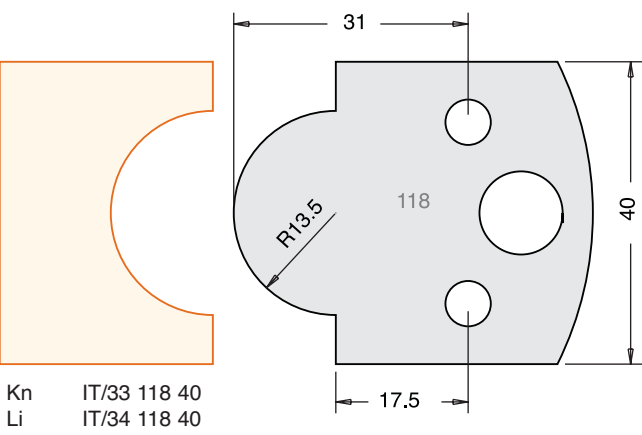
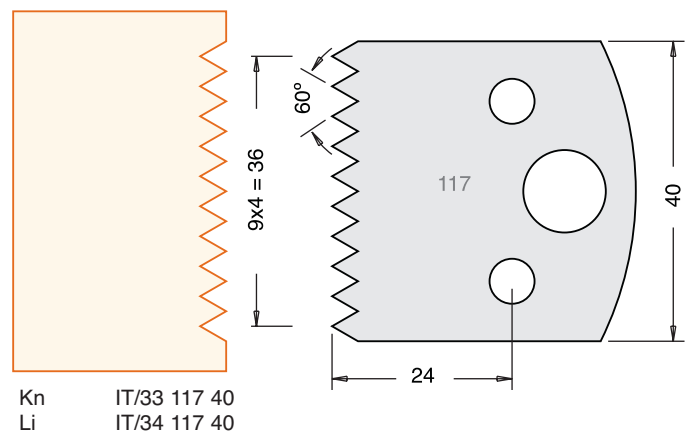
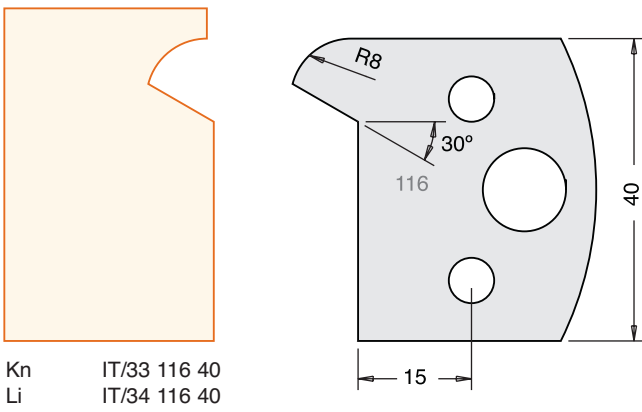
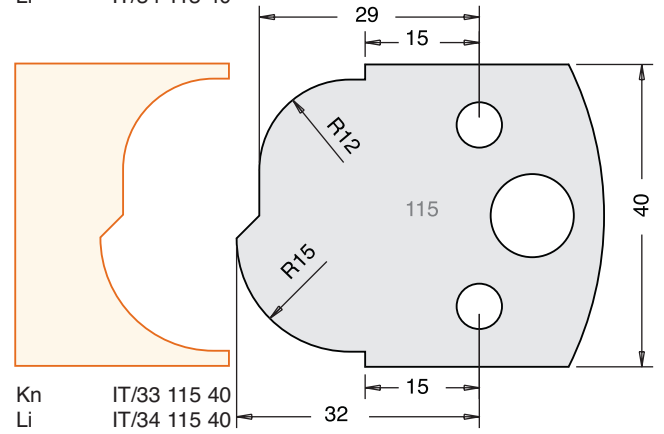
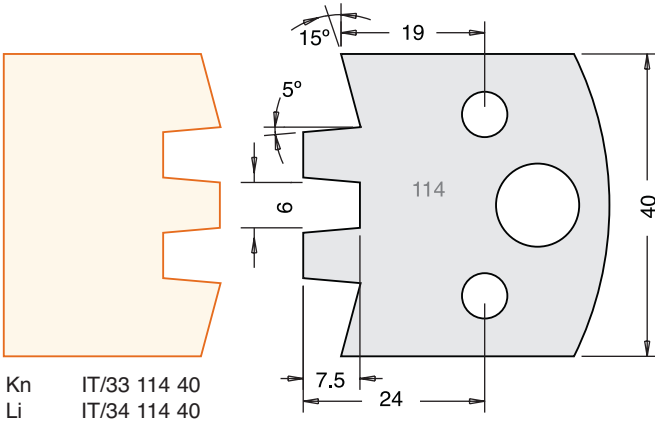
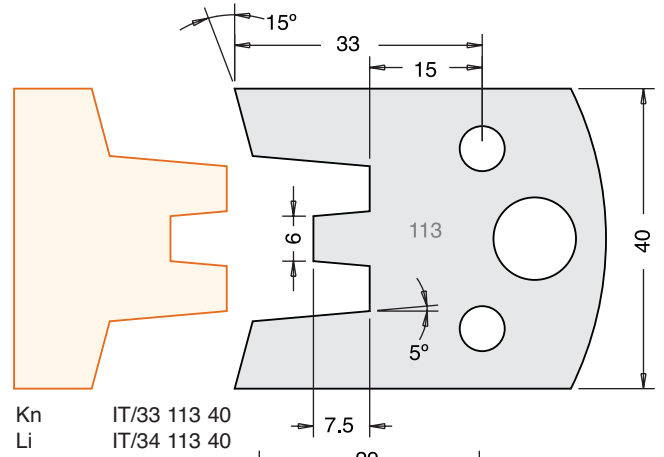
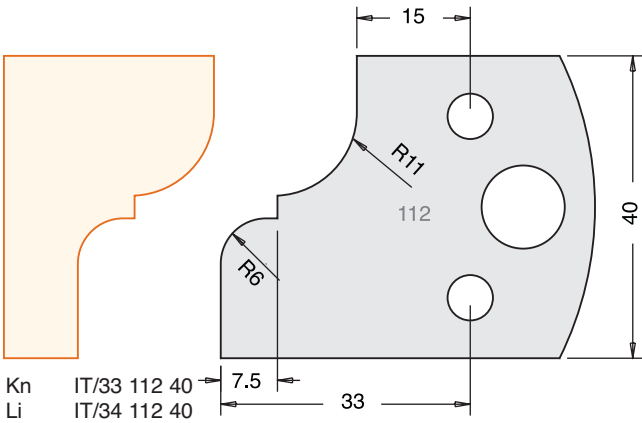
Kn IT/33 111 40
Li IT/34 111 40

All images are actual size.



All Blades Sold as a Pair

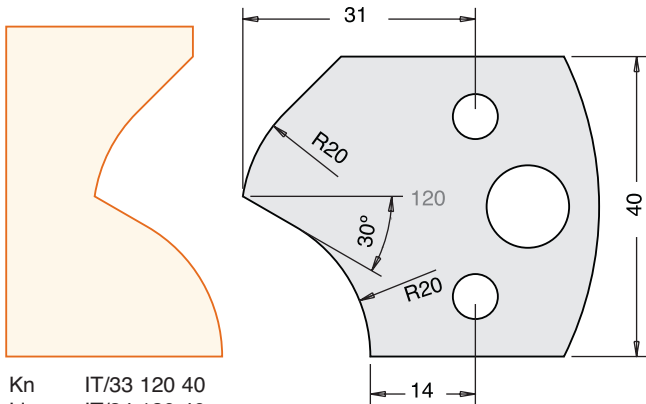
Tool Steel Multi Profile Cutters - 40x4mm



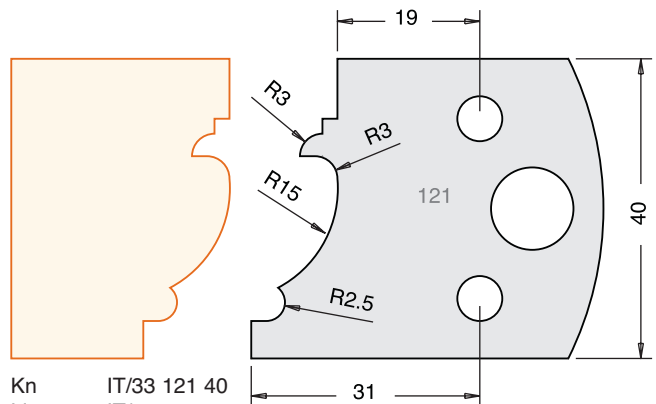
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All Blades Sold as a Pair

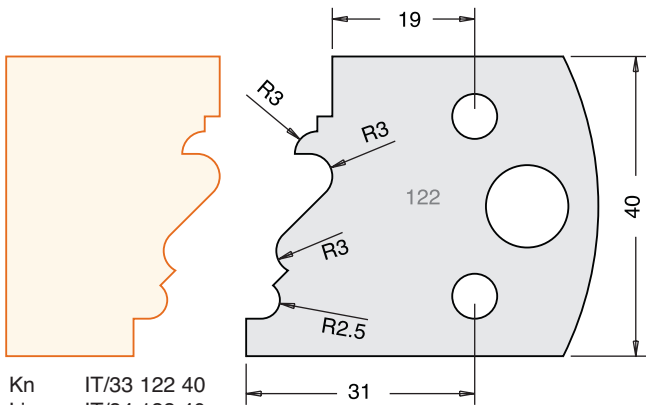
Tool Steel Multi Profile Cutters - 40x4mm



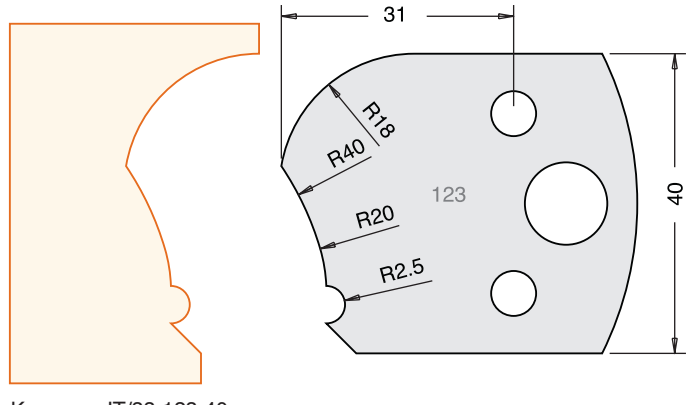
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Li IT/34 120 40



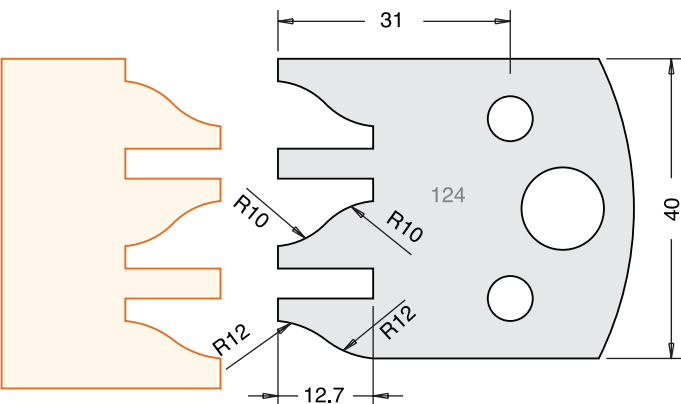
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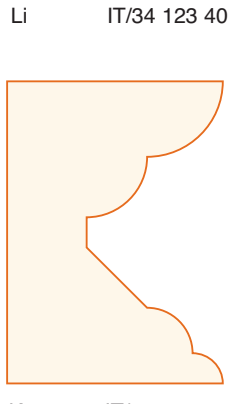
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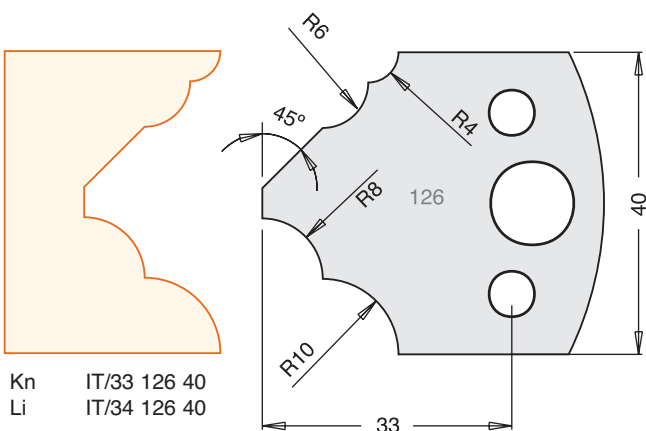
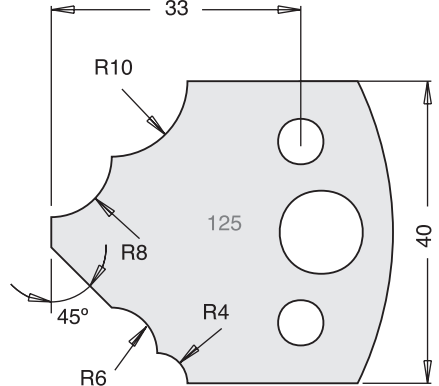
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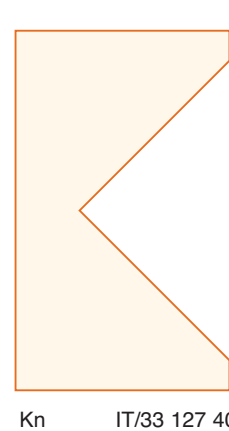
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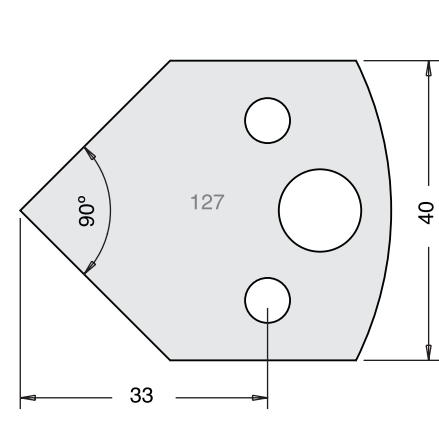
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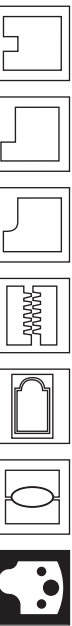
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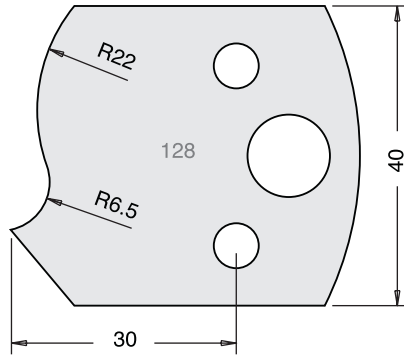
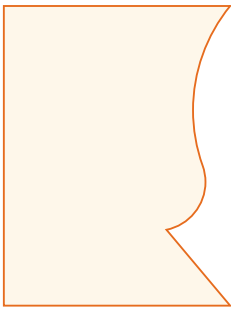
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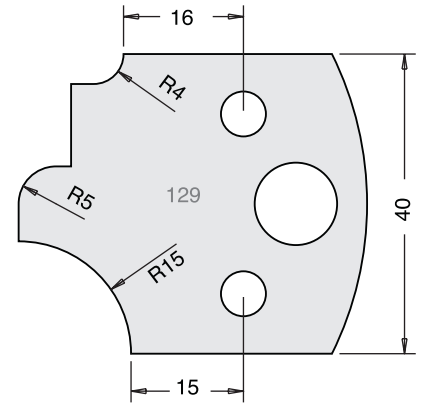
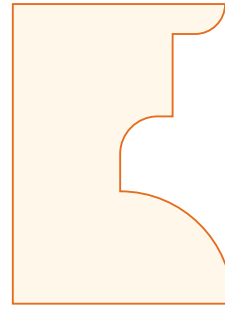


All Blades Sold as a Pair

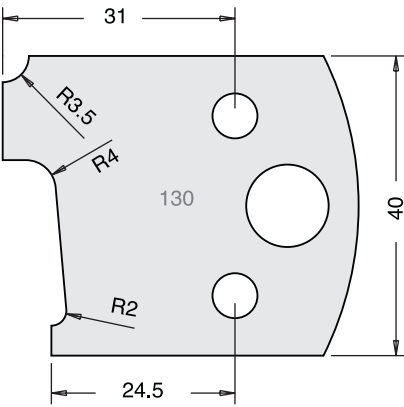
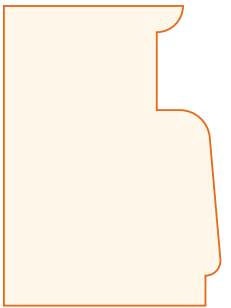
Tool Steel Multi Profile Cutters - 40x4mm



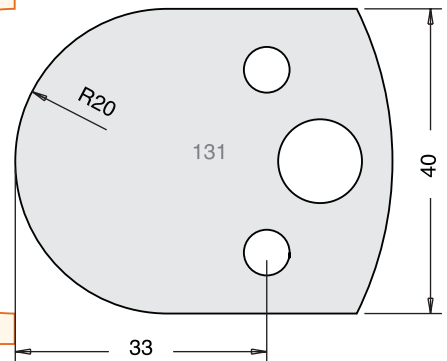
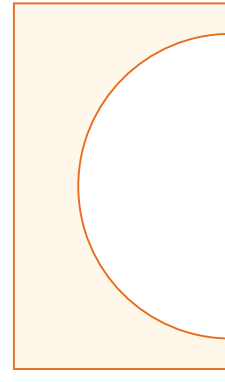
Kn IT/33 128 40
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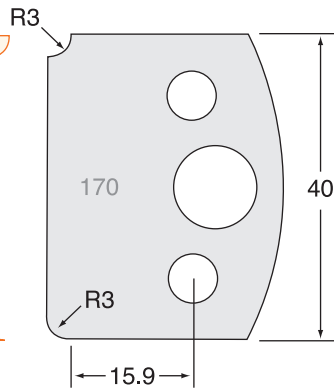
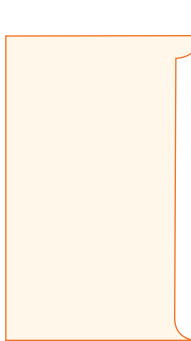
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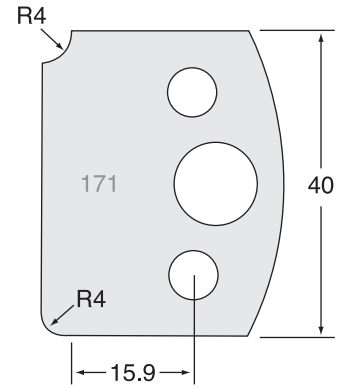
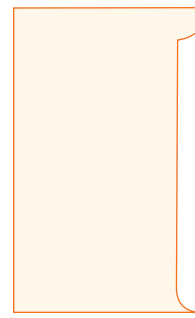
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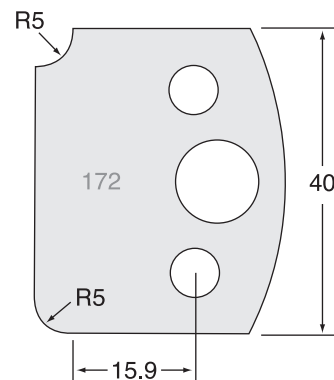
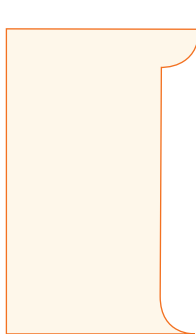
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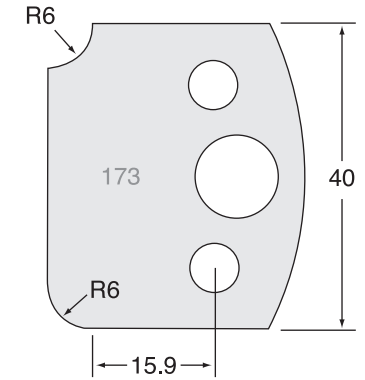
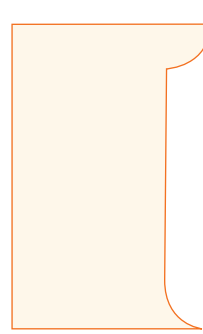
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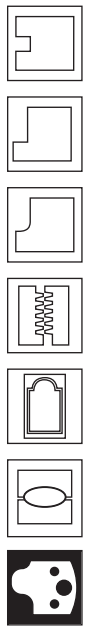
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Kn IT/33 172 40
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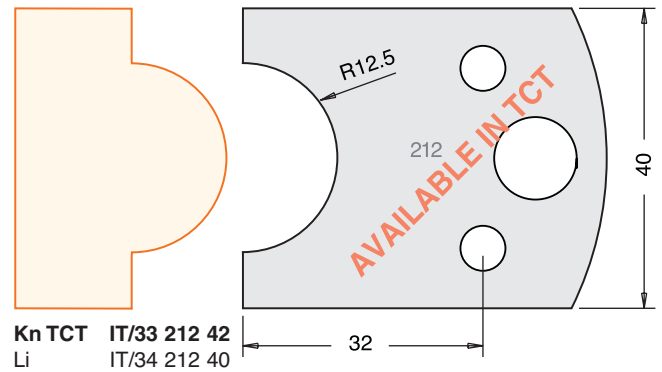
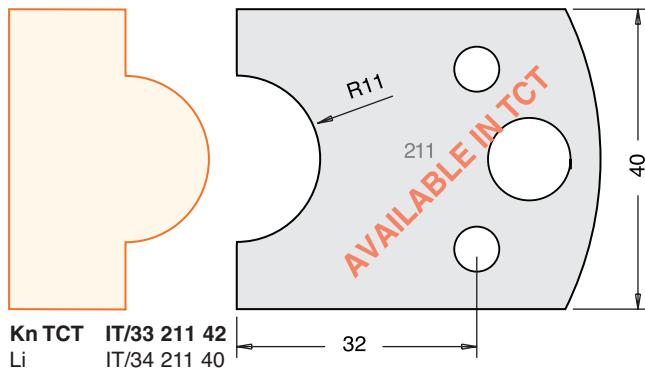
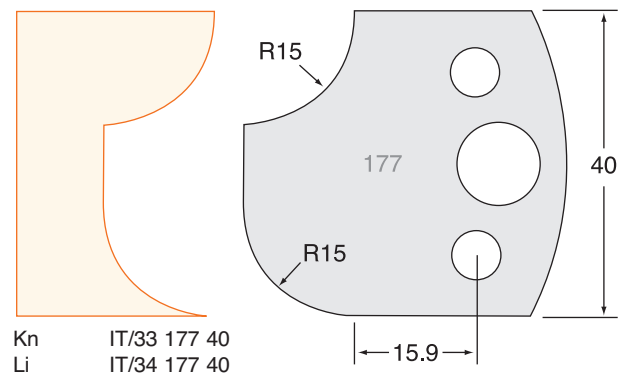
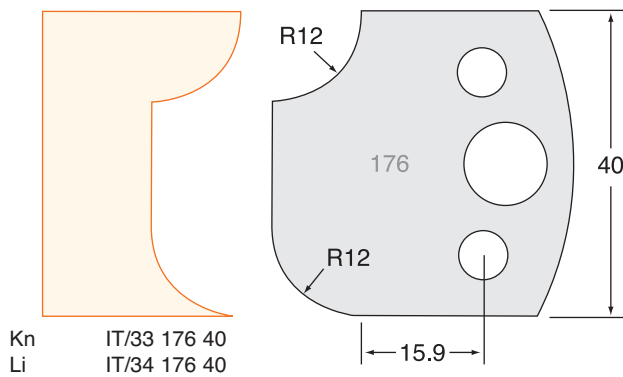
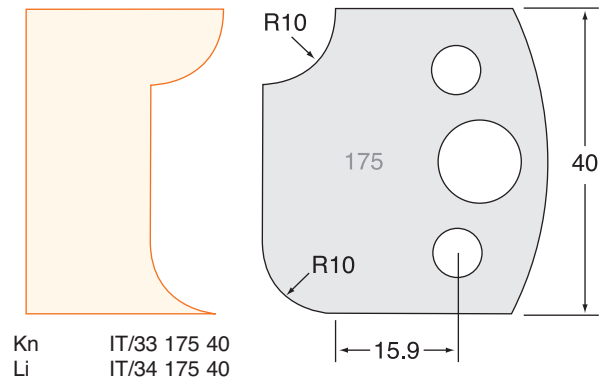
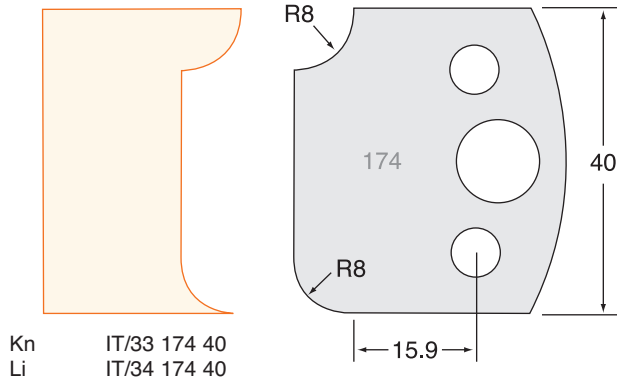
Kn IT/33 173 40
Li IT/34 173 40



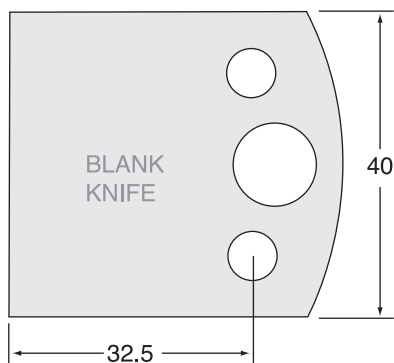
All images are actual size.

All Blades Sold as a Pair

Tool Steel Multi Profile Cutters - 40x4mm

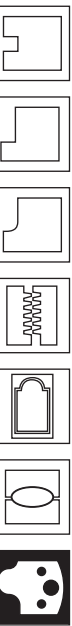


BLANK KNIFE



TOOL STEEL: IT/33 000 46
HIGH SPEED STEEL: IT/ST/HSSB01
LIMITORS: IT/34 000 46

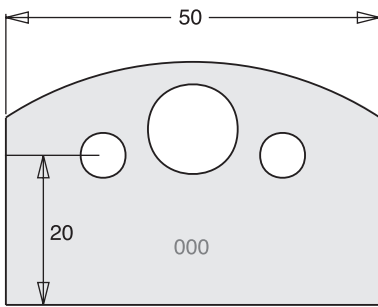
All images are actual size.



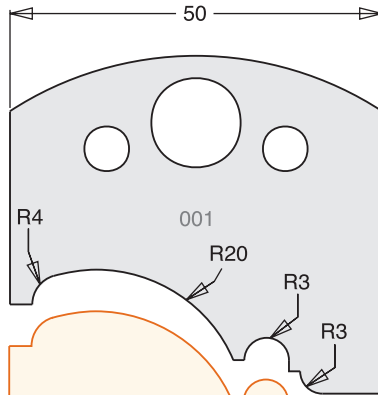


All Blades Sold as a Pair

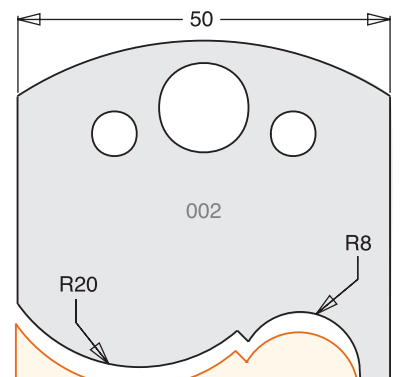
Tool Steel Multi Profile Cutters - 50x4mm



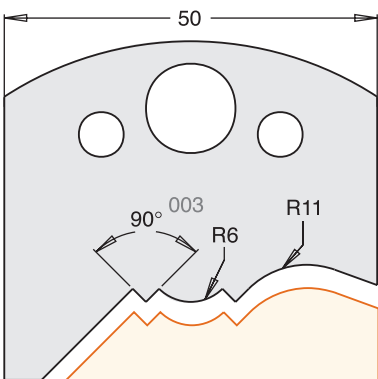
Kn IT/33 000 50
Li IT/34 000 50



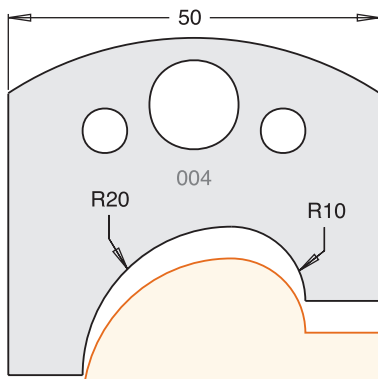
Kn IT/33 001 50
Li IT/34 001 50



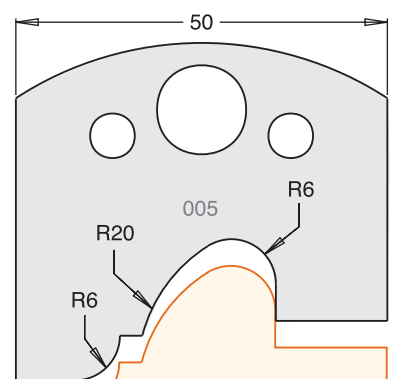
Kn IT/33 002 50
Li IT/34 002 50



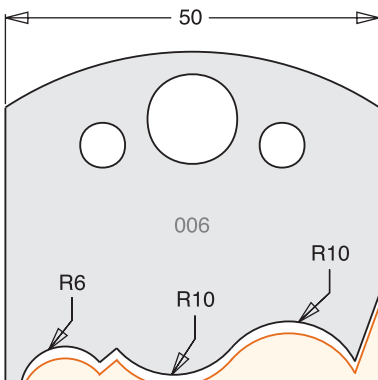
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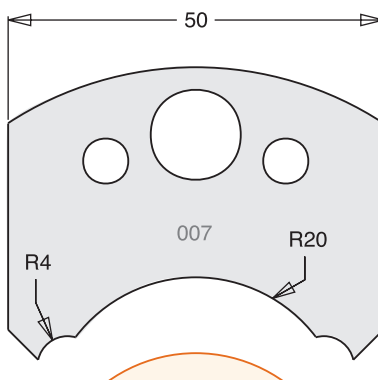
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Li IT/34 004 50



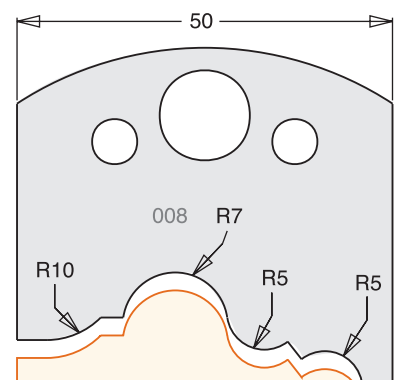
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Li IT/34 005 50



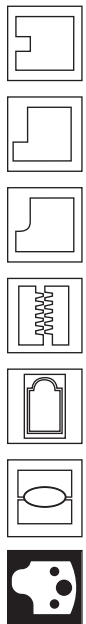
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Li IT/34 006 50



Kn IT/33 007 50
Li IT/34 007 50



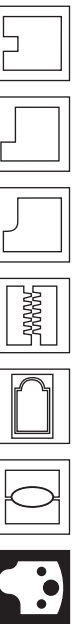
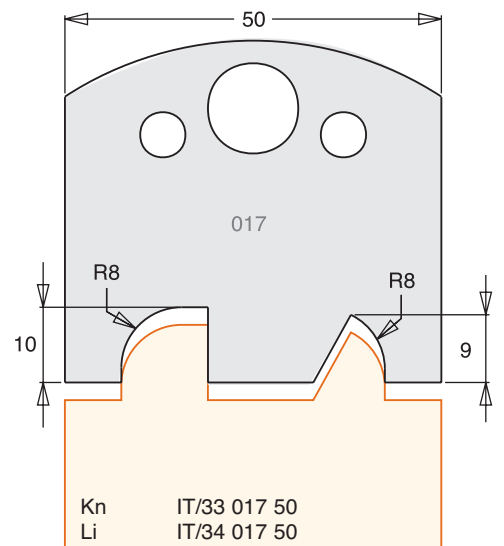
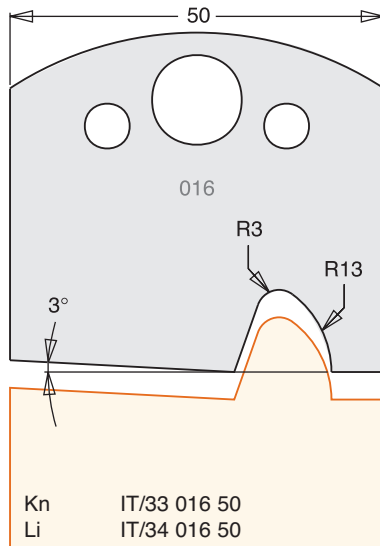
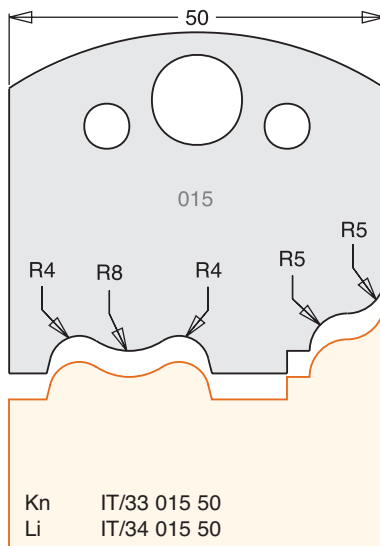
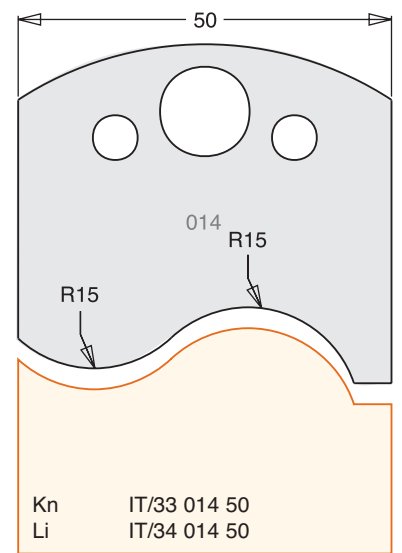
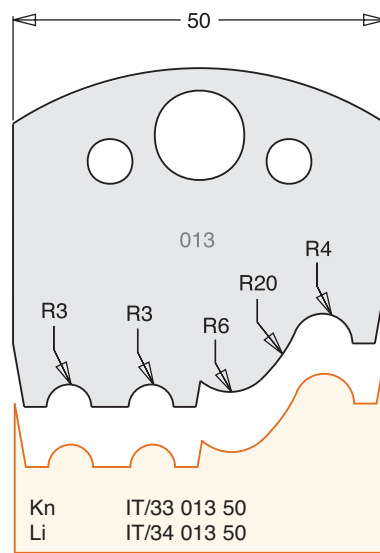
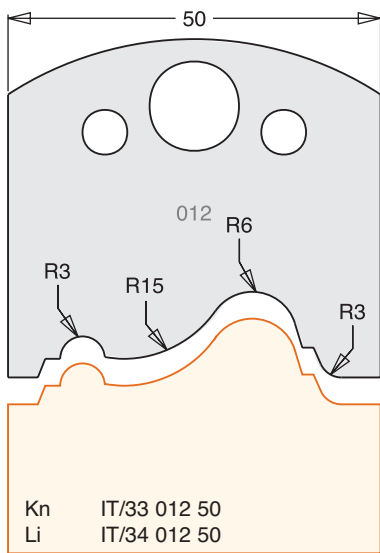
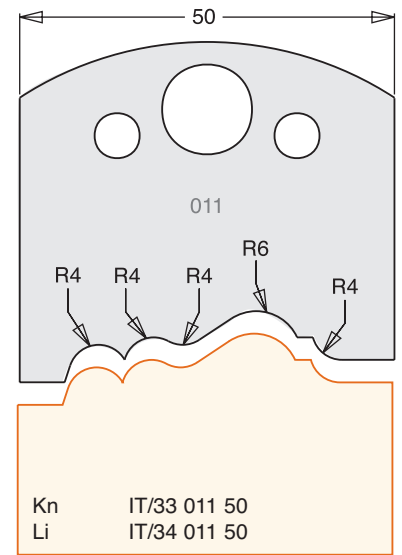
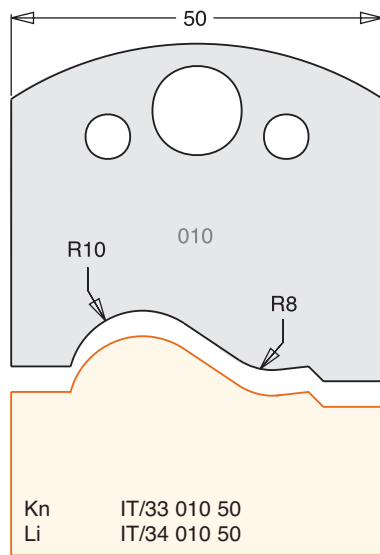
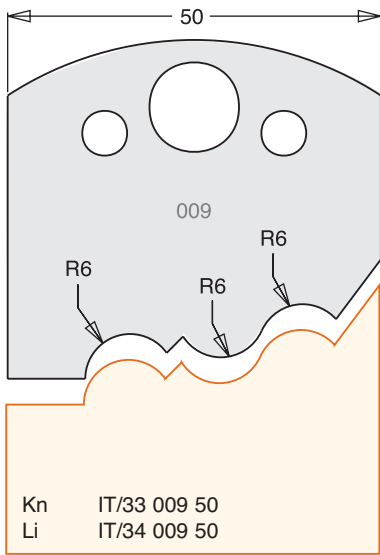
Kn IT/33 008 50
Li IT/34 008 50



All images are actual size.

All Blades Sold as a Pair

Tool Steel Multi Profile Cutters - 50x4mm

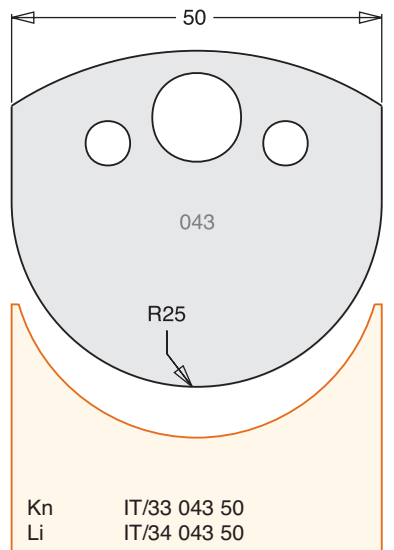
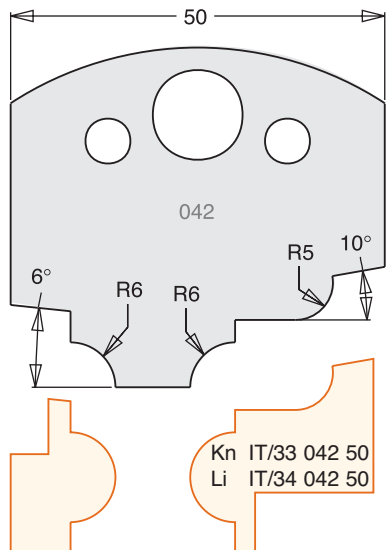
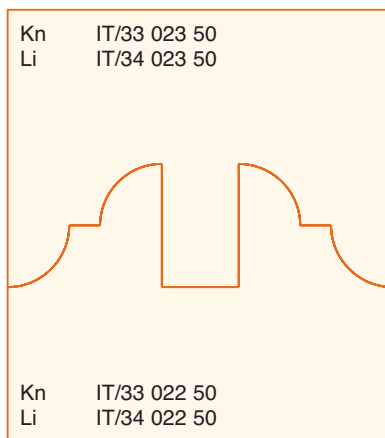
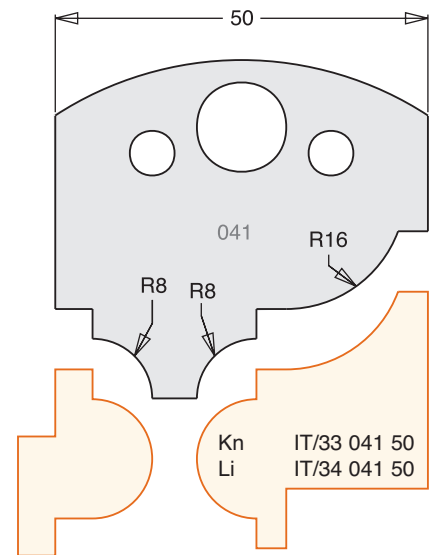
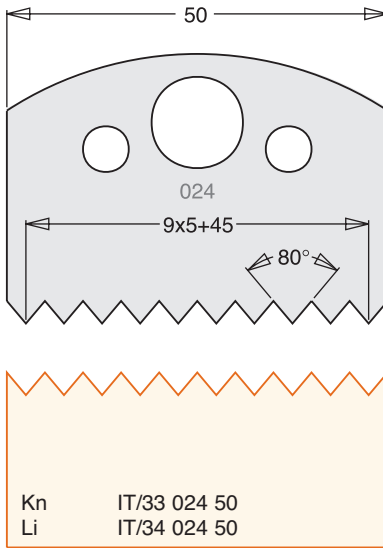
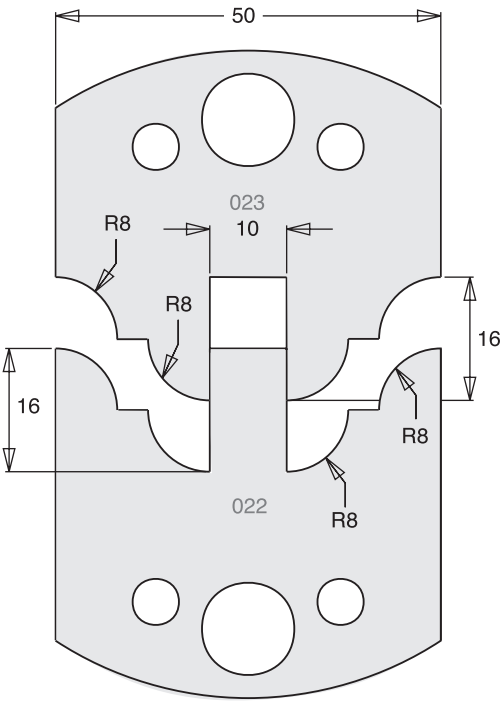
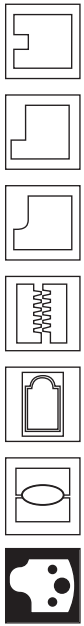
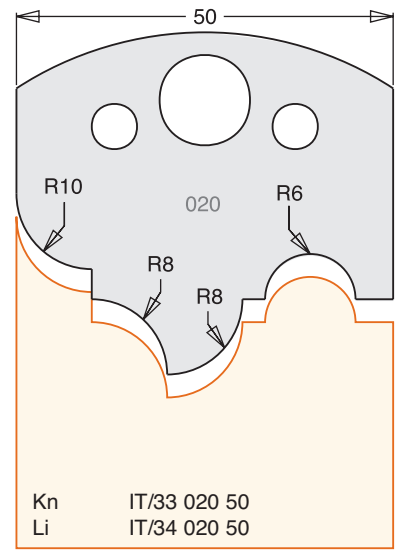
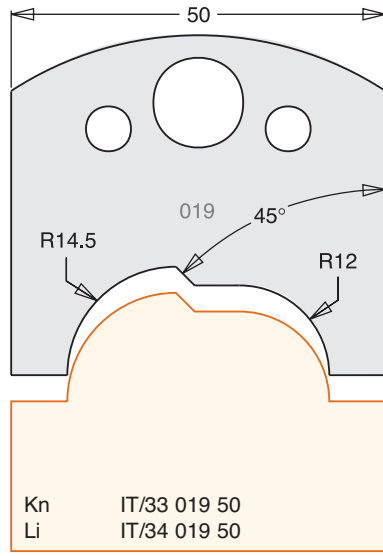
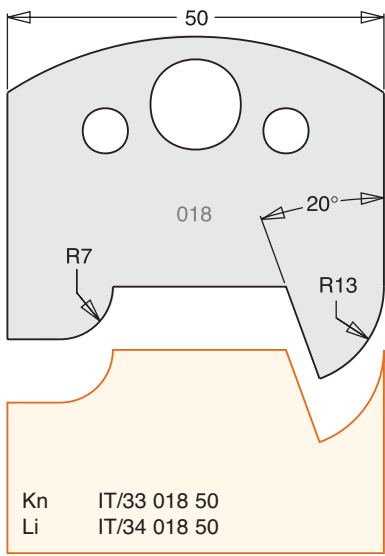


All images are actual size.



All Blades Sold as a Pairs

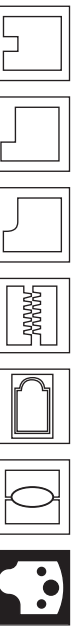
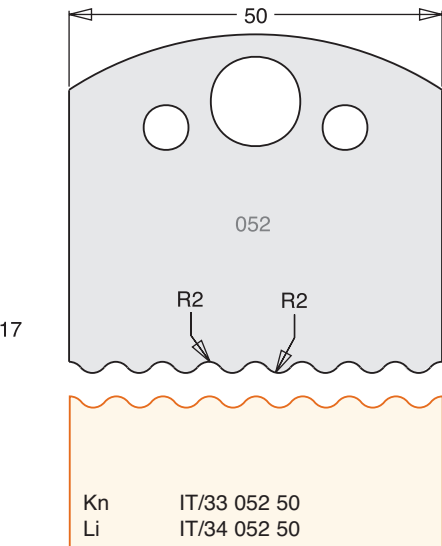
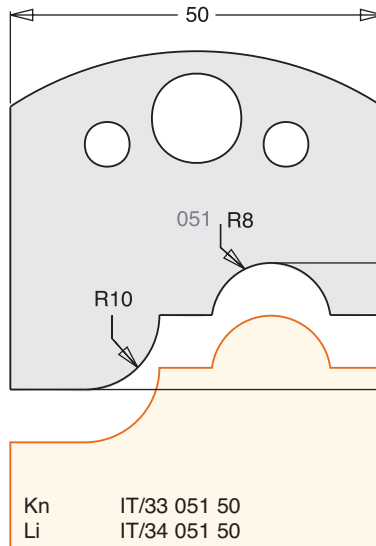
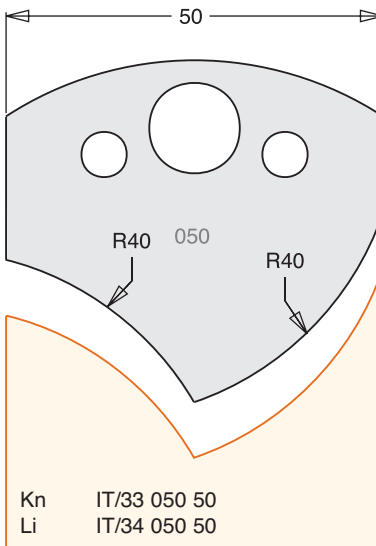
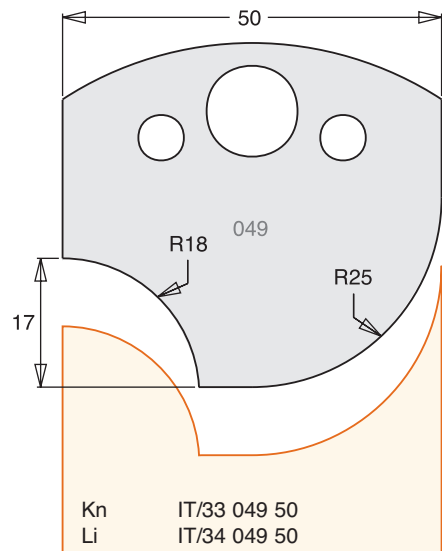
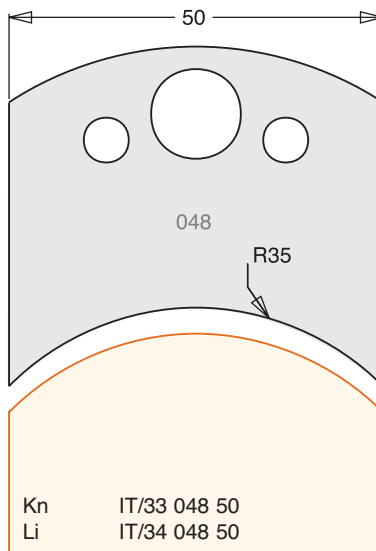
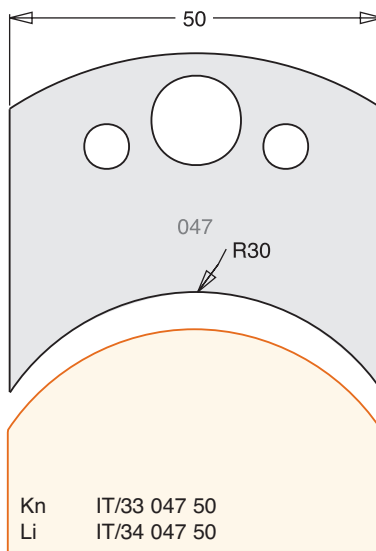
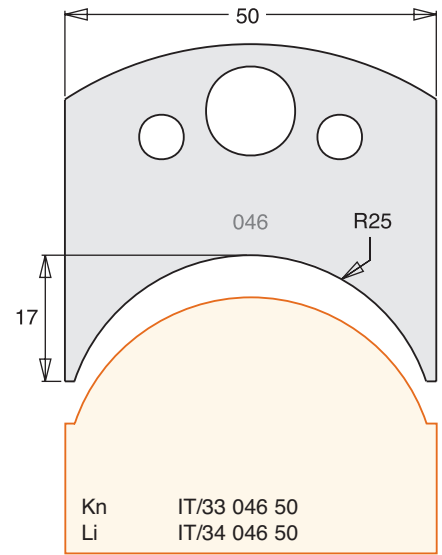
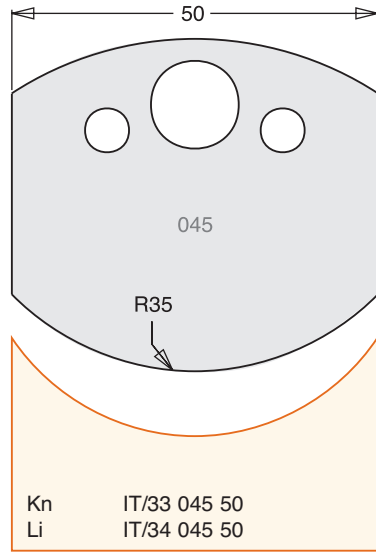
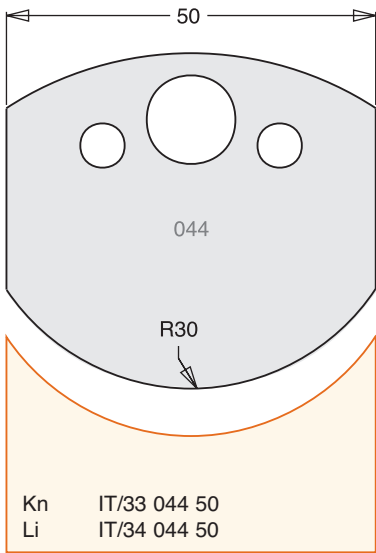
Tool Steel Multi Profile Cutters - 50x4mm



All images are actual size.

All Blades Sold as a Pair

Tool Steel Multi Profile Cutters - 50x4mm

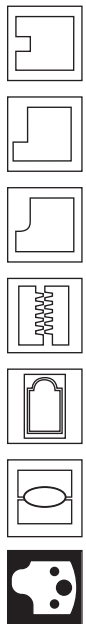
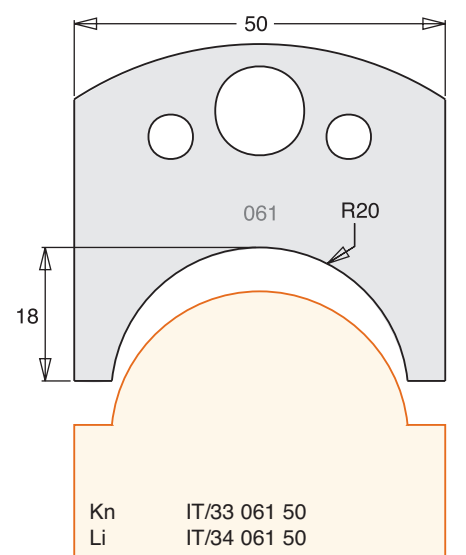
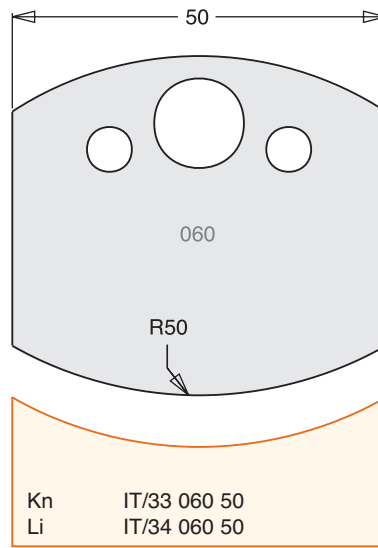
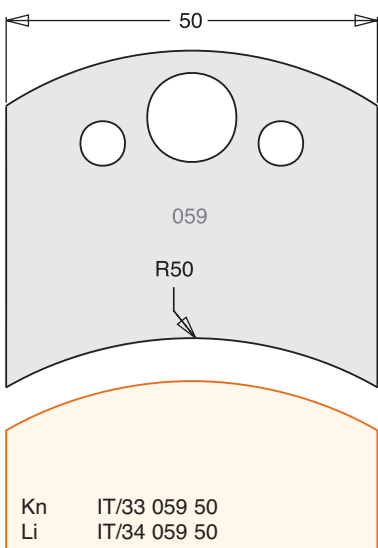
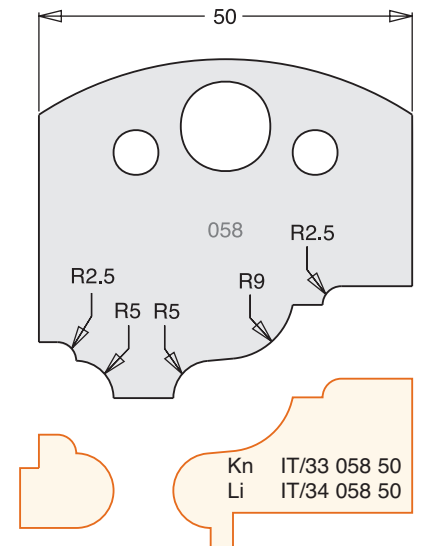
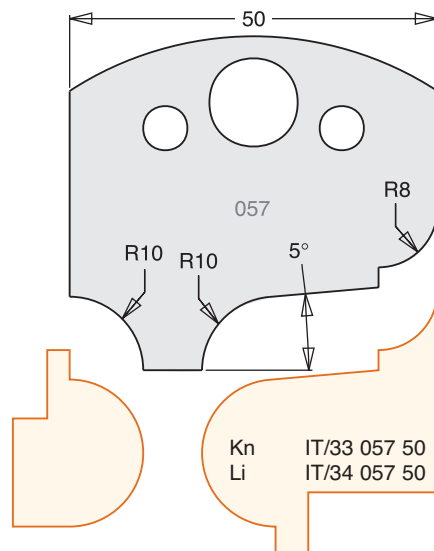
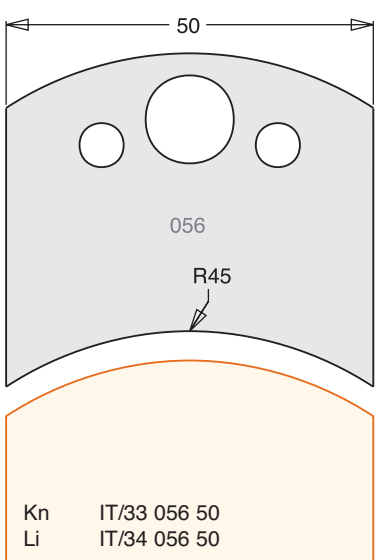
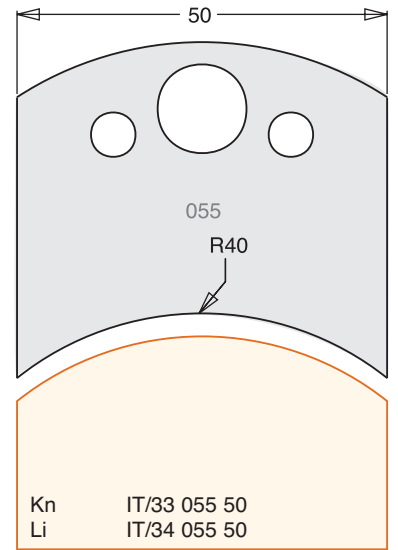
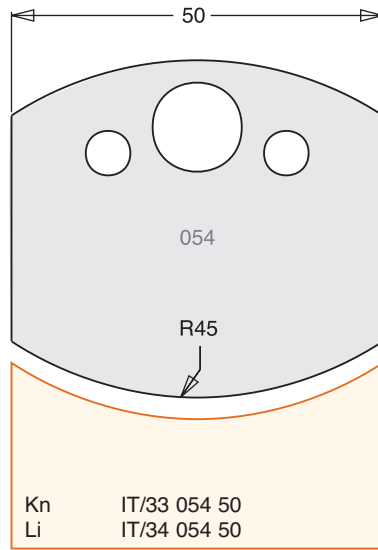
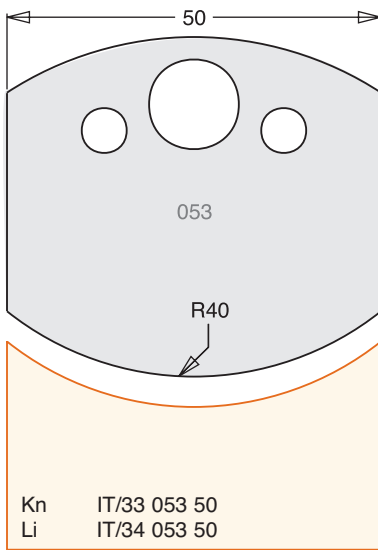


All images are actual size.



All Blades Sold as a Pair

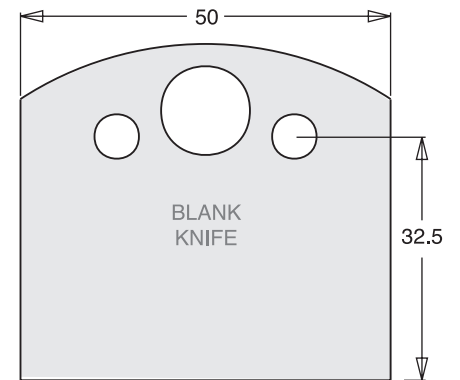
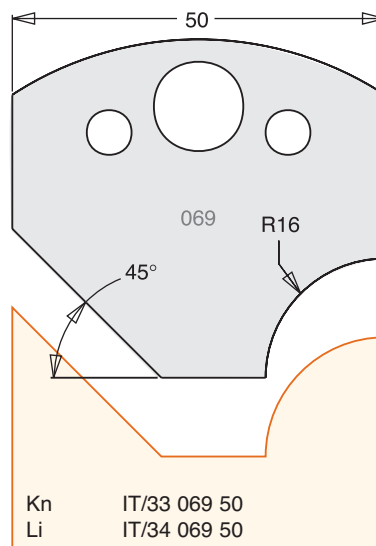
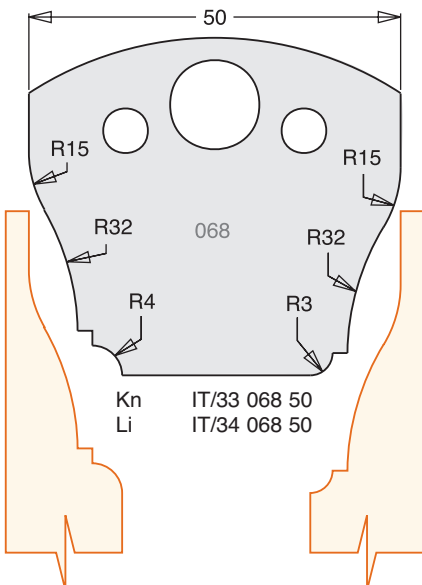
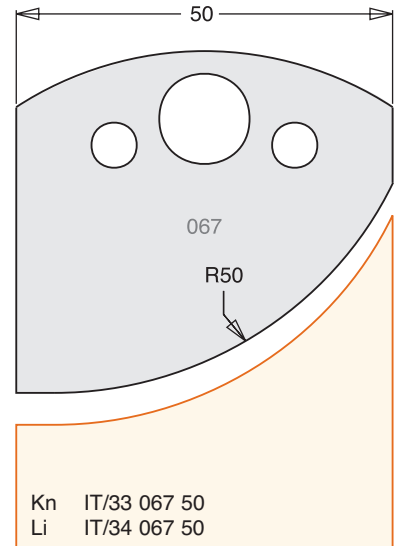
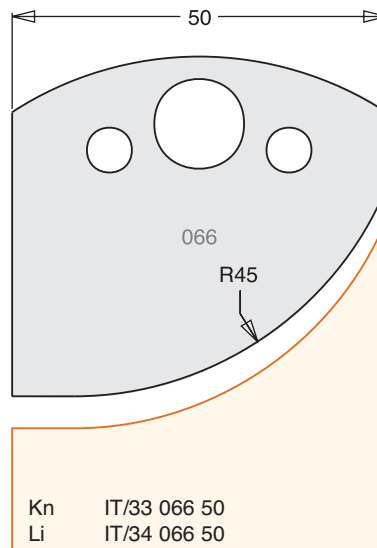
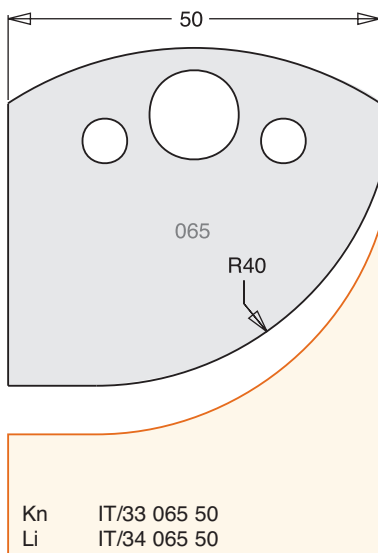
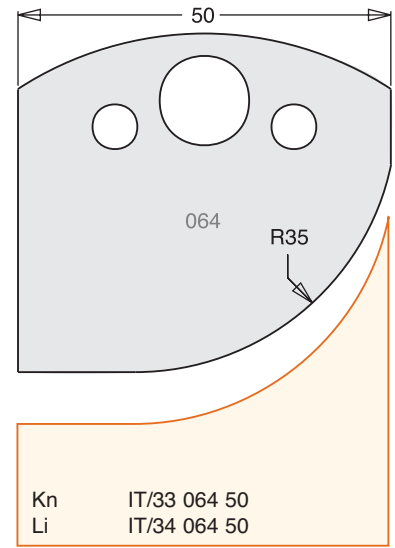
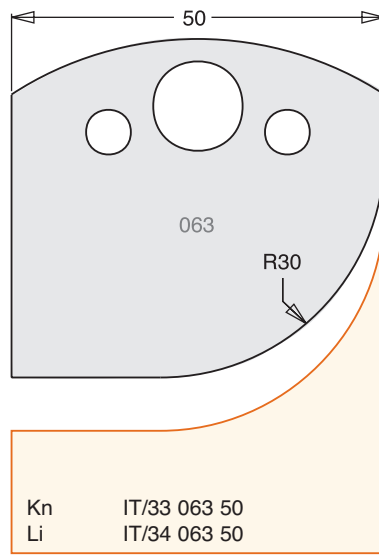
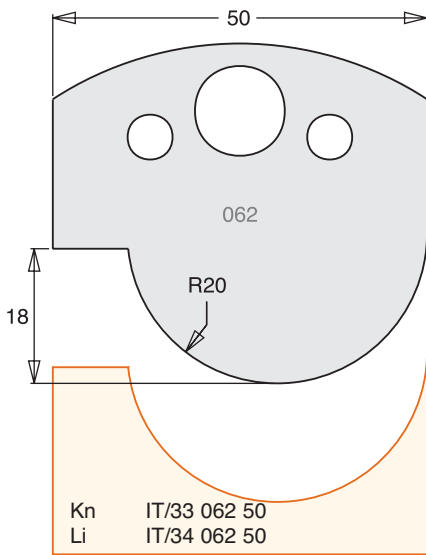
Tool Steel Multi Profile Cutters - 50x4mm



All images are actual size.

All Blades Sold as a Pair

Tool Steel Multi Profile Cutters - 50x4mm



TOOL STEEL: IT/335 004 6
HIGH SPEED STEEL: IT/ST/HSSB02
LIMITORS: IT/345 004 6

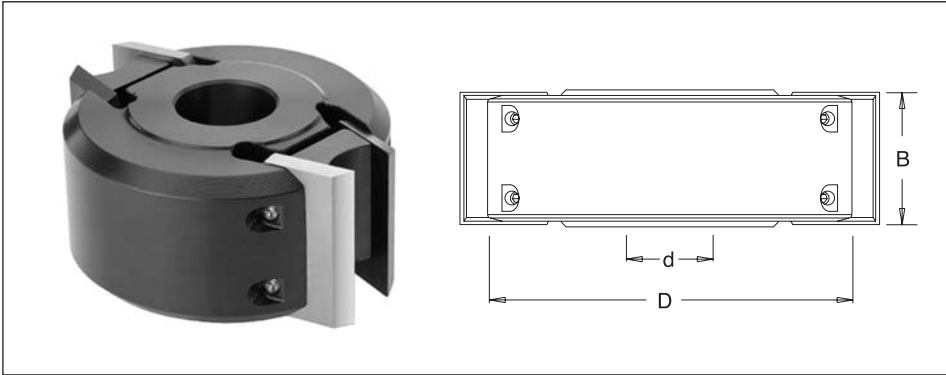
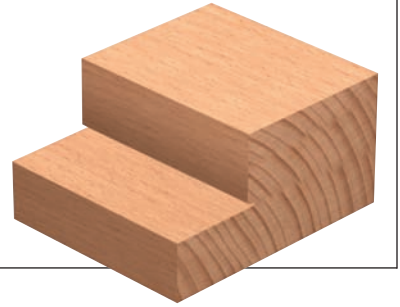
All images are actual size.



All Blades Sold as a Pair
NB Profile drawing shows back of knife

Multi Profile Cutter 60x5.5mm

Cutterhead body in hard wearing steel complete with two tool steel rebate knives and corresponding limiter plates. Suitable for jointing, rebating and profiling with 5.5mm thick knives and limitors in softwood and hardwood.

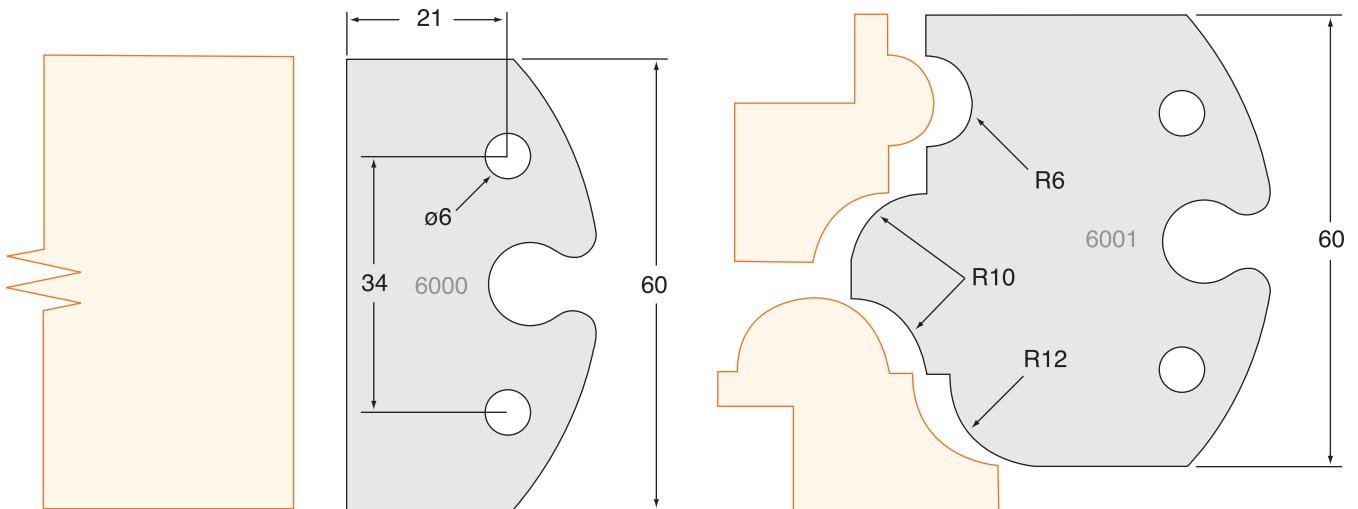


ØD	B	Product Ref.	ød	n
128	60	IT/776 030 1	30	4,000 - 5,800
128	60	IT/776 030 7	1 1/4"	4,000 - 5,800

Spare Parts

Description	Rebate Knife	Rebate Limitor	Wedge	Set Screw	Hex Key	Blank Tool Steel	Blank Limitor
Product Ref.	IT/330 006 0	IT/340 006 0	IT/STSW02	IT/193 026 6	IT/194 003 6	IT/330 BL60	IT/340 BL60
Size	60x21x5.5	58x20x5.3	L=58	M8x12	S4	60x44x5.5	58x43x5.3

Tool Steel Multi Profile Cutters - 60x5.5mm



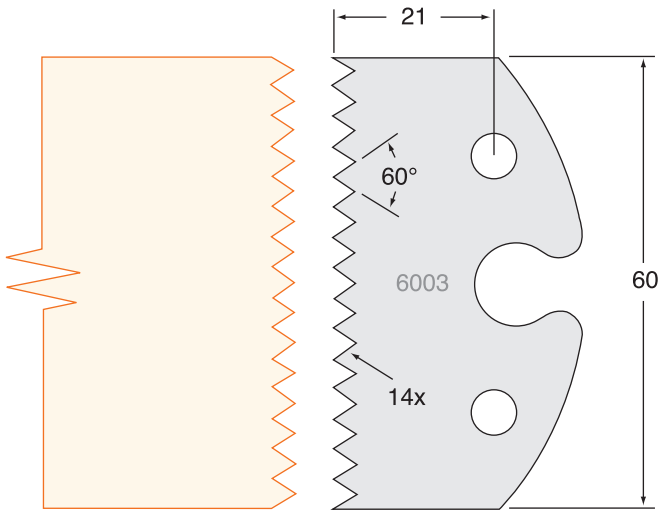
Kn IT/330 006 0
Li IT/340 006 0

Kn IT/330 016 0
Li IT/340 016 0

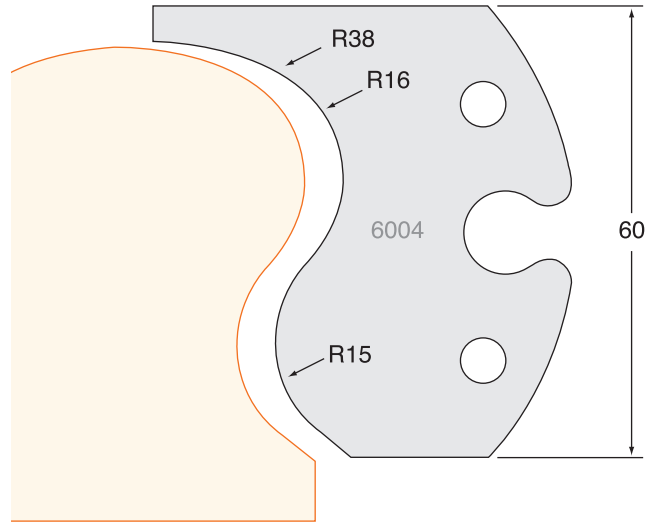
All images are actual size.

All Blades Sold as a Pair

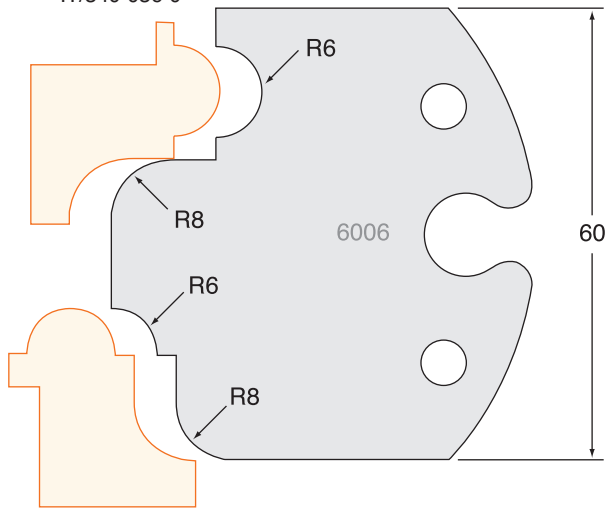
Tool Steel Multi Profile Cutters - 60x5.5mm



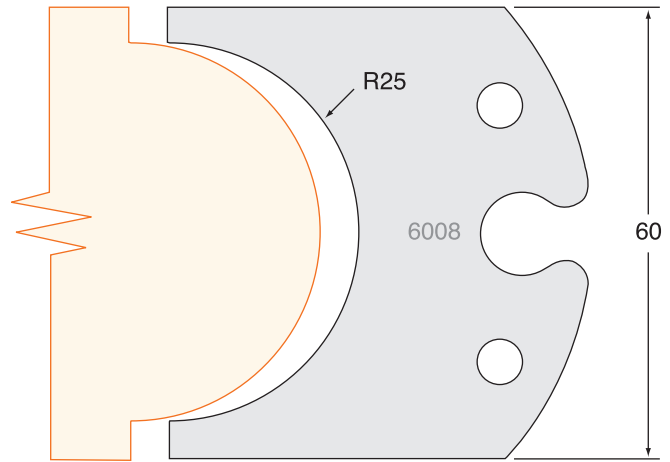
Kn IT/330 036 0
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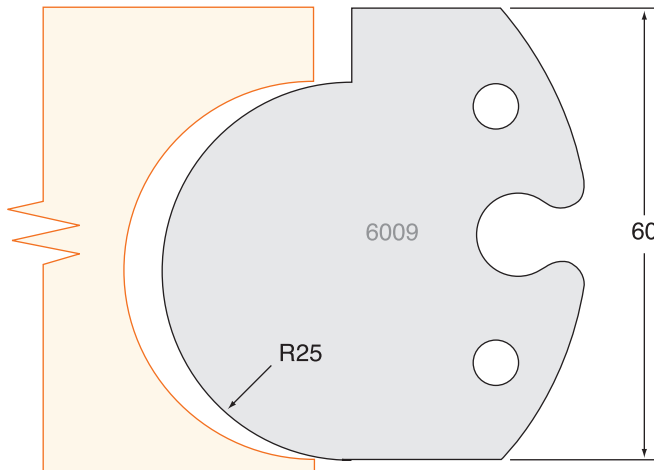
Kn IT/330 046 0
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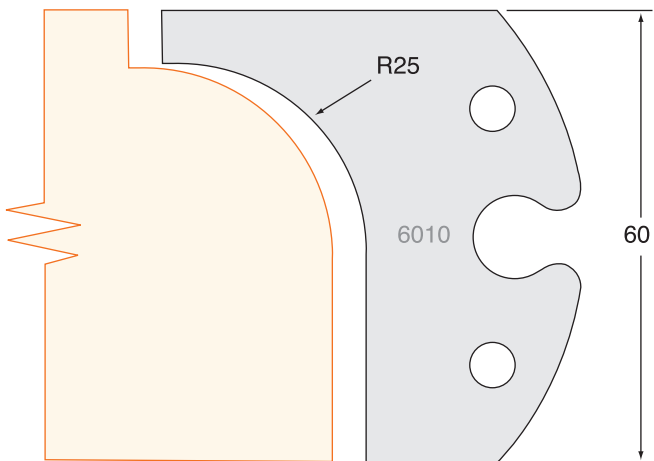
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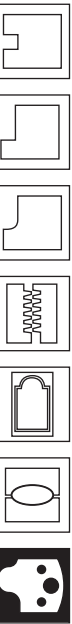
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Kn IT/330 096 0
Li IT/340 096 0



Kn IT/330 106 0
Li IT/340 106 0

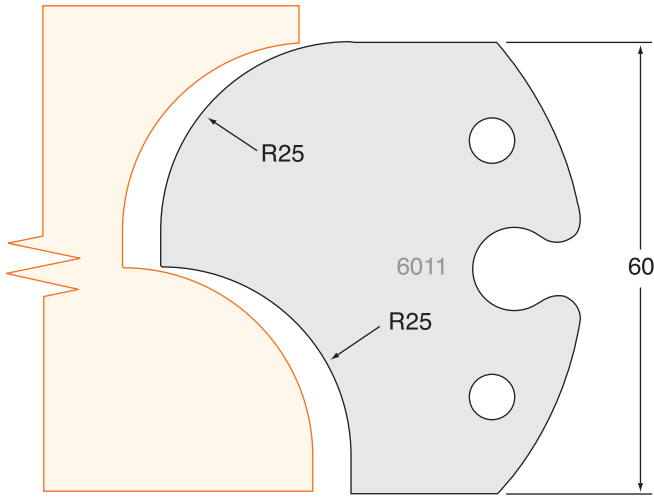


All images are actual size.

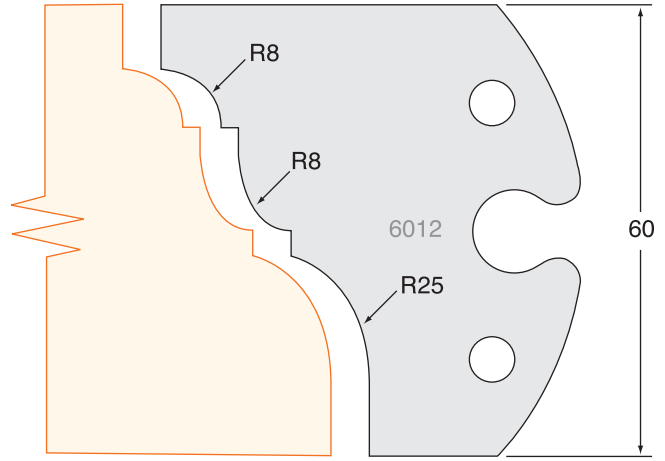


All Blades Sold as a Pair

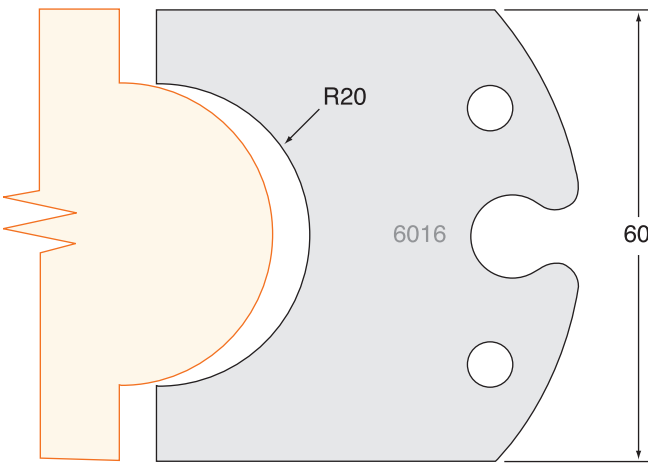
Tool Steel Multi Profile Cutters - 60x5.5mm



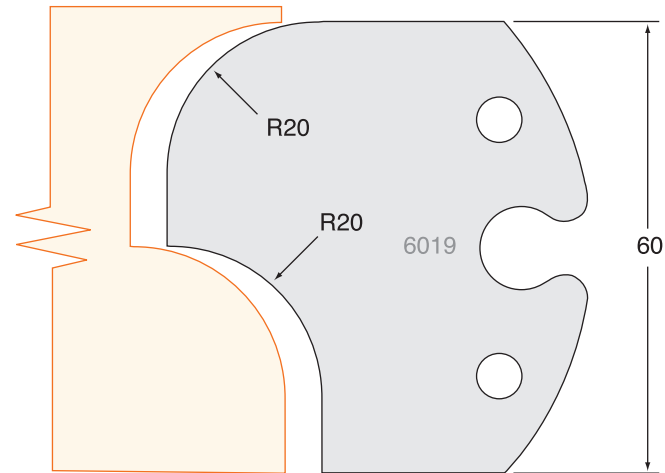
Kn IT/330 116 0
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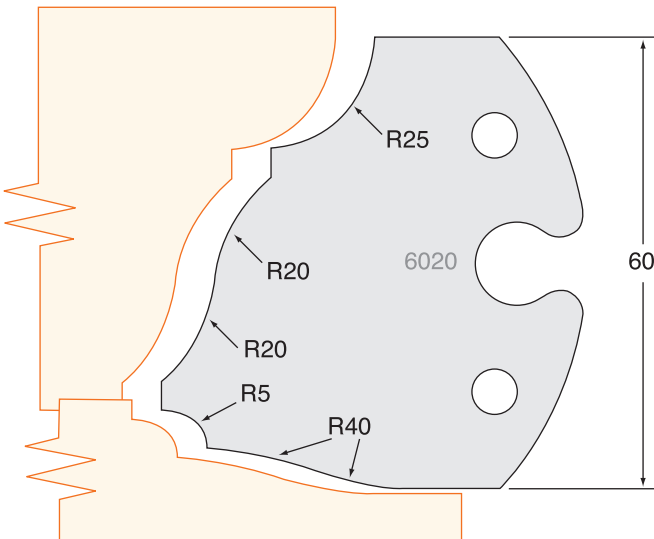
Kn IT/330 126 0
Li IT/340 126 0



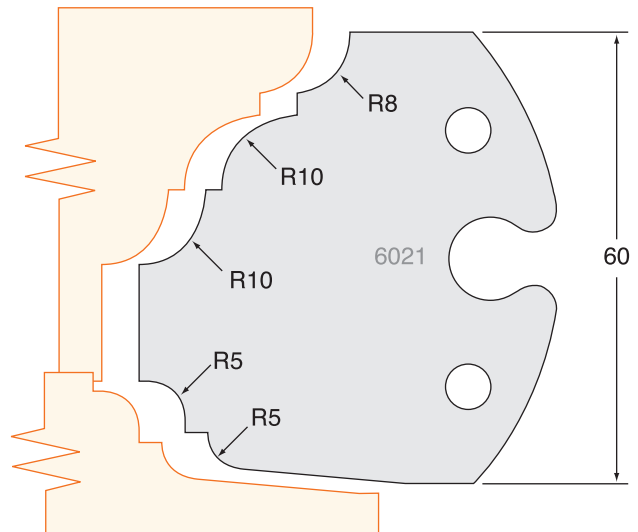
Kn IT/330 166 0
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Kn IT/330 196 0
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Kn IT/330 206 0
Li IT/340 206 0



Kn IT/330 216 0
Li IT/340 216 0

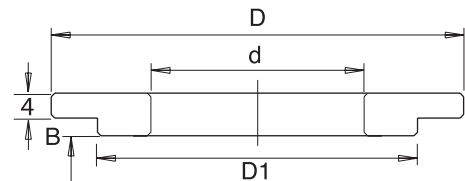
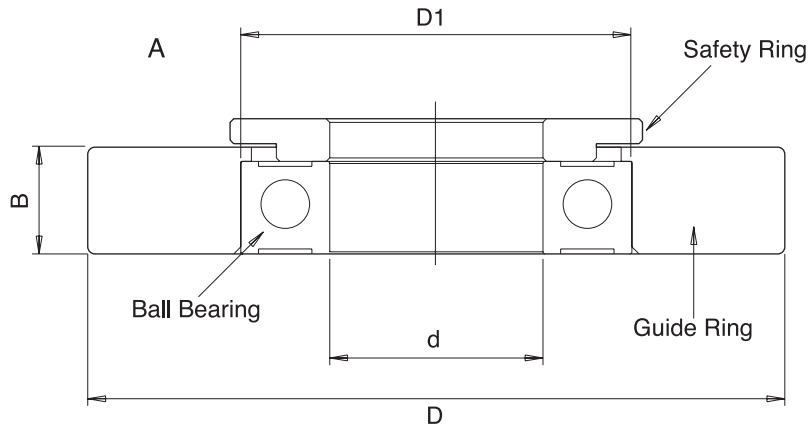
All images are actual size.



Ball Bearing Guide Rings

A complete range of steel guide rings for use in conjunction with a ball bearing and security ring. Enables cutterheads to be used with a template or directly onto the work piece for shaping work. See drawing for correct assembly details.

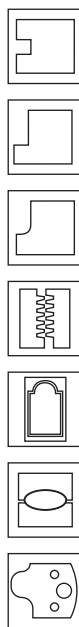
$\varnothing D$	$\varnothing D1$	B	Description	Product Ref.	$\varnothing d$
75	55	15	Guide Ring	IT/192 581 0	
80	55	15	Guide Ring	IT/192 582 0	
85	55	15	Guide Ring	IT/192 583 0	
90	55	15	Guide Ring	IT/192 584 0	
95	55	15	Guide Ring	IT/192 585 0	
100	55	15	Guide Ring	IT/192 586 0	
105	55	15	Guide Ring	IT/192 587 0	
110	55	15	Guide Ring	IT/192 588 0	
115	55	15	Guide Ring	IT/192 589 0	
120	55	15	Guide Ring	IT/192 590 0	
125	55	15	Guide Ring	IT/192 591 0	
130	55	15	Guide Ring	IT/192 592 0	
135	55	15	Guide Ring	IT/192 593 0	
140	55	15	Guide Ring	IT/192 594 0	
145	55	15	Guide Ring	IT/192 595 0	
150	55	15	Guide Ring	IT/192 596 0	
	55	13	Ball Bearing	IT/191 023 0	30
	55	13	Ball Bearing	IT/191 023 7	1 1/4"
			Safety Ring	IT/192 510 0	30
			Safety Ring	IT/192 510 7	1 1/4"



Reduction Bush

Steel reduction bush to reduce bore of block with collar, used in pairs.

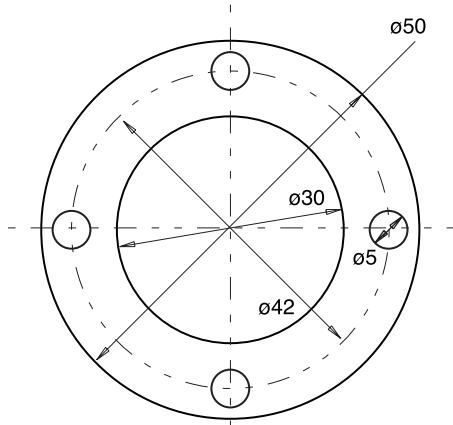
$\varnothing D$	$\varnothing D1$	B	Product Ref.	$\varnothing d$
55	1 1/4"	5	IT/BUSH/31830	30



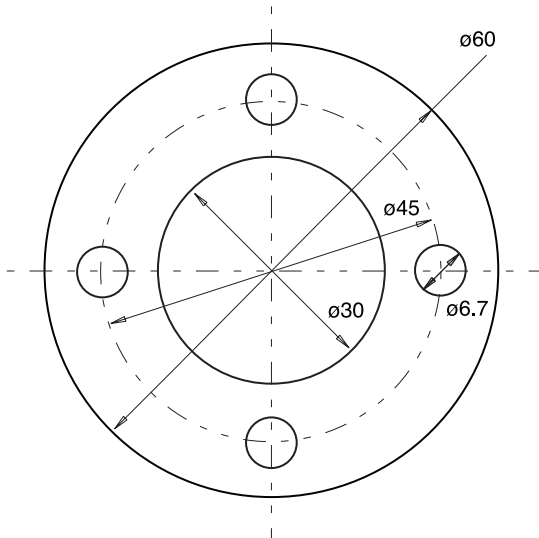
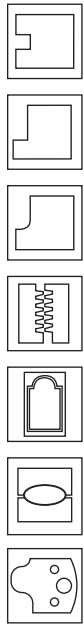


Spacers

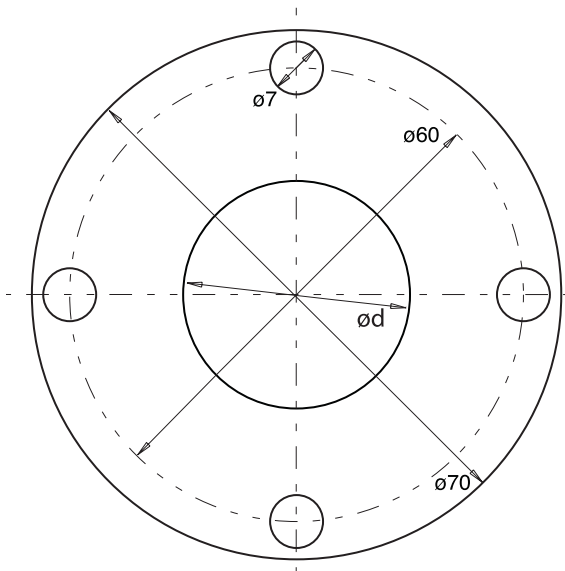
High quality, fully ground, steel spacer rings complete with pin holes. For use with our adjustable grooving cutterheads or can be used with standard groovers for comb jointing.



ϕD	B	Product Ref.	ϕd
50	0.1	IT/192 611 0	30
50	0.2	IT/192 612 0	30
50	0.5	IT/192 615 0	30
50	1.0	IT/192 616 0	30
50	2.0	IT/192 617 0	30
50	3.0	IT/192 618 0	30



ϕD	B	Product Ref.	ϕd
60	0.1	IT/192 791 1	30
60	0.2	IT/192 792 1	30
60	0.5	IT/192 793 5	30
60	1.0	IT/192 794 1	30
60	5.0	IT/192 795 1	30



ϕD	B	Product Ref.	ϕd
70	0.1	IT/192 690 1	30
70	0.2	IT/192 691 1	30
70	0.3	IT/192 692 1	30
70	0.4	IT/192 693 1	30
70	0.5	IT/192 693 5	30
70	1.0	IT/192 694 1	30
70	2.0	IT/192 695 1	30
70	3.0	IT/192 696 1	30
70	4.0	IT/192 697 1	30
70	5.0	IT/192 697 5	30
70	8.0	IT/192 698 1	30
70	10.0	IT/192 699 1	30
70	20.0	IT/192 699 2	30

DRILLING TOOLS

A comprehensive range of micro-grain, tungsten carbide tipped drilling tools including dowel drills and boring bits providing a complete solution to all hole boring operations found in the woodworking industry.

Look out for the **DITEC** range of drills on pages 113 - 114. They are precision ground and have the longest durability of all the drills shown in the range and are suitable for drilling the most abrasive materials.



For CNC and automatic drilling machines

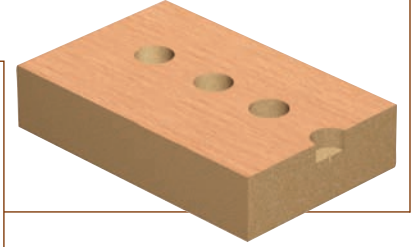
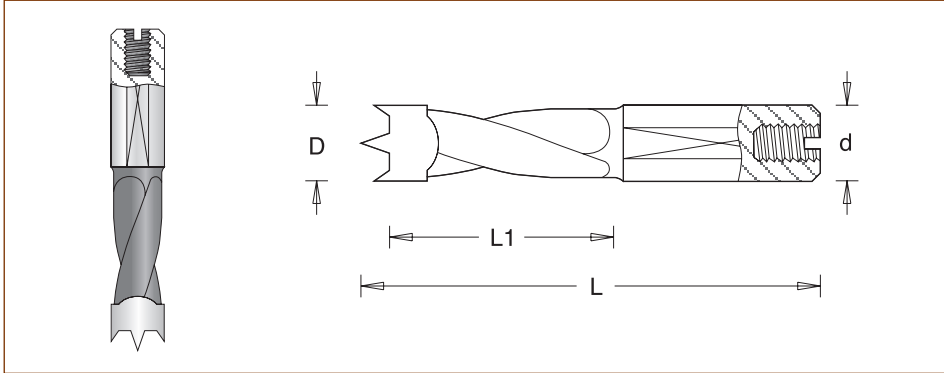
■ Dowel drills	108 - 111
■ Through hole drills	112 - 114
■ DITEC drills	113 - 114
■ Hinge boring	115
■ Chucks	116 - 117
■ Bushes	117
■ Countersinks & Twist drills	118
■ Reciprocating Slot Mortise Bits	119






201 Lip & Spur Dowel Drills

Tungsten carbide tipped dowel drill with centre point and two spurs. Suitable for drilling blind holes in natural wood and man-made boards (including paper/plastic coated and veneered). Drills have a cylindrical shank with flat and length adjusting screw. For use on automatic and point-to-point boring machines.




57.5mm Overall Length

øD	Product Ref.		L1	L	ød
	Right	Left			
4.0	IT/201 281 7	IT/201 282 7	27	57.5	10x27
5.0	IT/201 001 7	IT/201 004 7	27	57.5	10x27
5.1	IT/201 005 7	IT/201 006 7	27	57.5	10x27
5.2	IT/201 020 7	IT/201 021 7	27	57.5	10x27
6.0	IT/201 007 7	IT/201 010 7	27	57.5	10x27
7.0	IT/201 008 7	IT/201 011 7	27	57.5	10x27
8.0	IT/201 013 7	IT/201 016 7	27	57.5	10x27
8.1	IT/201 212 7	IT/201 213 7	27	57.5	10x27
8.2	IT/201 029 7	IT/201 030 7	27	57.5	10x27
9.0	IT/201 015 7	IT/201 017 7	27	57.5	10x27
10.0	IT/201 019 7	IT/201 022 7	27	57.5	10x27
11.0	IT/201 023 7	IT/201 024 7	27	57.5	10x27
12.0	IT/201 025 7	IT/201 028 7	27	57.5	10x27

 Screw
IT/193 000 0
M5x10

70mm Overall Length

øD	Product Ref.		L1	L	ød
	Right	Left			
4.0	IT/201 287 7	IT/201 288 7	35	70	10x30
5.0	IT/201 031 7	IT/201 034 7	35	70	10x30
5.1	IT/201 035 7	IT/201 036 7	35	70	10x30
5.2	IT/201 274 7	IT/201 275 7	35	70	10x30
6.0	IT/201 037 7	IT/201 040 7	35	70	10x30
7.0	IT/201 038 7	IT/201 041 7	35	70	10x30
8.0	IT/201 043 7	IT/201 046 7	35	70	10x30
8.1	IT/201 230 7	IT/201 231 7	35	70	10x30
8.2	IT/201 232 7	IT/201 233 7	35	70	10x30
9.0	IT/201 047 7	IT/201 048 7	35	70	10x30
10.0	IT/201 049 7	IT/201 052 7	35	70	10x30
11.0	IT/201 062 7	IT/201 063 7	35	70	10x30
12.0	IT/201 055 7	IT/201 058 7	35	70	10x30

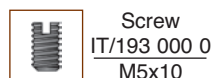
 Screw
IT/193 000 0
M5x10



77mm Overall Length

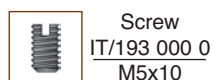
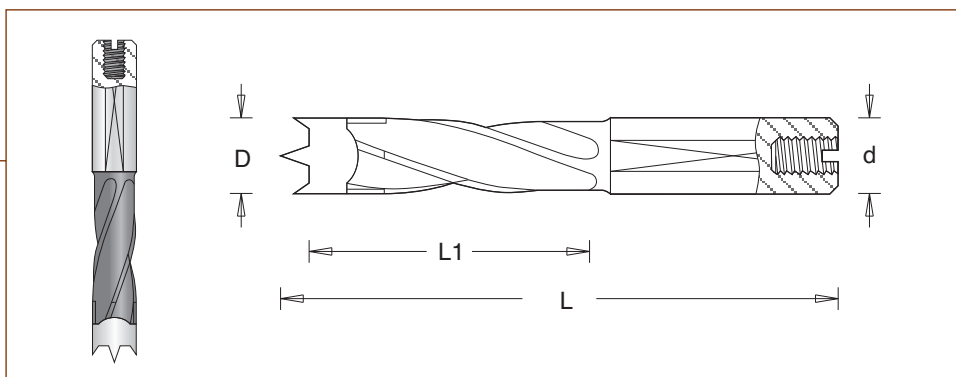
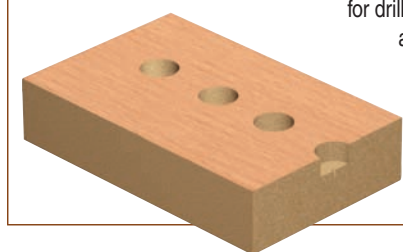
201 Lip & Spur Dowl Drill - Continued

Product Ref.					
øD	Right	Left	L1	L	ød
5.0	IT/201 202 7	IT/201 203 7	44	77	10x30
5.1	IT/201 270 7	IT/201 271 7	44	77	10x30
5.2	IT/201 204 7	IT/201 205 7	44	77	10x30
6.0	IT/201 206 7	IT/201 207 7	44	77	10x30
7.0	IT/201 208 7	IT/201 209 7	44	77	10x30
8.0	IT/201 210 7	IT/201 211 7	44	77	10x30
8.1	IT/201 240 7	IT/201 241 7	44	77	10x30
8.2	IT/201 242 7	IT/201 243 7	44	77	10x30
9.0	IT/201 250 7	IT/201 251 7	44	77	10x30
10.0	IT/201 214 7	IT/201 215 7	44	77	10x30
11.0	IT/201 256 7	IT/201 257 7	44	77	10x30
12.0	IT/201 218 7	IT/201 219 7	44	77	10x30



201 Lip & Spur Dowl Drills - Hollow Ground Flutes

Tungsten carbide tipped dowl drill with centre point and two spurs. Hollow Ground flutes help reduce tear-out. Suitable for drilling blind holes in natural wood and man-made boards (including paper/plastic coated and veneered). Drills have a cylindrical shank with flat and length adjusting screw. For use on automatic and point-to-point boring machines.



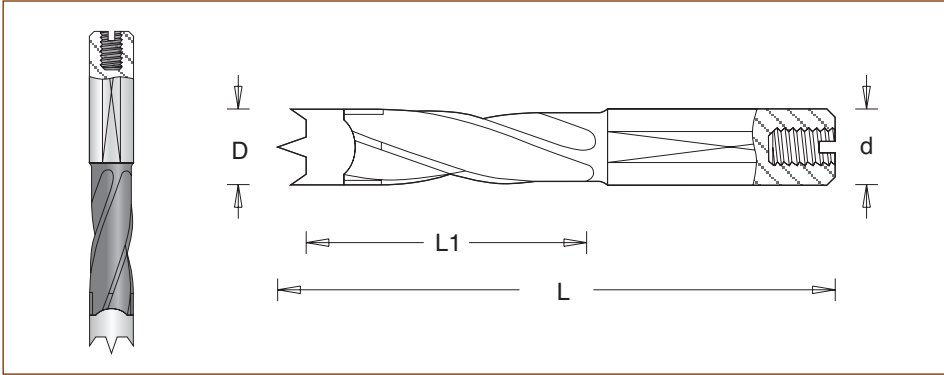
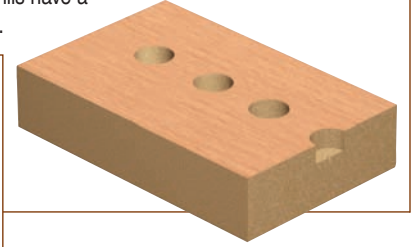
57.5mm Overall Length

Product Ref.					
øD	Right	Left	L1	L	ød
4.0	IT/201 401 7	IT/201 402 7	30	57.5	10x20
5.0	IT/201 403 7	IT/201 406 7	30	57.5	10x20
5.1	IT/201 460 7	IT/201 461 7	30	57.5	10x20
5.2	IT/201 464 7	IT/201 465 7	30	57.5	10x20
6.0	IT/201 407 7	IT/201 410 7	30	57.5	10x20
6.3	IT/201 471 7	IT/201 472 7	30	57.5	10x20
7.0	IT/201 411 7	IT/201 412 7	30	57.5	10x20
8.0	IT/201 413 7	IT/201 416 7	30	57.5	10x20
8.1	IT/201 503 7	IT/201 504 7	30	57.5	10x20
8.2	IT/201 505 7	IT/201 506 7	30	57.5	10x20
9.0	IT/201 510 7	IT/201 511 7	30	57.5	10x20
9.5	IT/201 520 7	IT/201 521 7	30	57.5	10x20
10.0	IT/201 417 7	IT/201 420 7	30	57.5	10x20
11.0	IT/201 530 7	IT/201 531 7	30	57.5	10x20
12.0	IT/201 421 7	IT/201 424 7	30	57.5	10x20
12.7	IT/201 540 7	IT/201 541 7	30	57.5	10x20
13.0	IT/201 542 7	IT/201 543 7	30	57.5	10x20
14.0	IT/201 578 7	IT/201 579 7	30	57.5	10x20
15.0	IT/201 580 7	IT/201 581 7	30	57.5	10x20
16.0	IT/201 590 7	IT/201 591 7	30	57.5	10x20




201 Lip & Spur Dowel Drills - Hollow Ground Flutes - Continued

Tungsten carbide tipped dowel drill with centre point and two spurs. Hollow Ground flutes help reduce tear-out. Suitable for drilling blind holes in natural wood and man-made boards (including paper/plastic coated and veneered). Drills have a cylindrical shank with flat and length adjusting screw. For use on automatic and point-to-point boring machines.




70mm Overall Length

Product Ref.					
øD	Right	Left	L1	L	ød
4.0	IT/201 432 7	IT/201 434 7	43	70	10x20
5.0	IT/201 433 7	IT/201 436 7	43	70	10x20
5.1	IT/201 428 7	IT/201 429 7	43	70	10x20
5.2	IT/201 430 7	IT/201 431 7	43	70	10x20
6.0	IT/201 437 7	IT/201 440 7	43	70	10x20
6.3	IT/201 458 7	IT/201 459 7	43	70	10x20
7.0	IT/201 441 7	IT/201 442 7	43	70	10x20
8.0	IT/201 443 7	IT/201 446 7	43	70	10x20
8.1	IT/201 487 7	IT/201 488 7	43	70	10x20
8.2	IT/201 489 7	IT/201 490 7	43	70	10x20
9.0	IT/201 491 7	IT/201 492 7	43	70	10x20
9.5	IT/201 493 7	IT/201 494 7	43	70	10x20
10.0	IT/201 447 7	IT/201 450 7	43	70	10x20
11.0	IT/201 448 7	IT/201 455 7	43	70	10x20
12.0	IT/201 451 7	IT/201 454 7	43	70	10x20
12.7	IT/201 456 7	IT/201 457 7	43	70	10x20
14.0	IT/201 594 7	IT/201 595 7	43	70	10x20
15.0	IT/201 596 7	IT/201 597 7	43	70	10x20
16.0	IT/201 598 7	IT/201 599 7	43	70	10x20

 Screw
IT/193 000 0
M5x10

77mm Overall Length

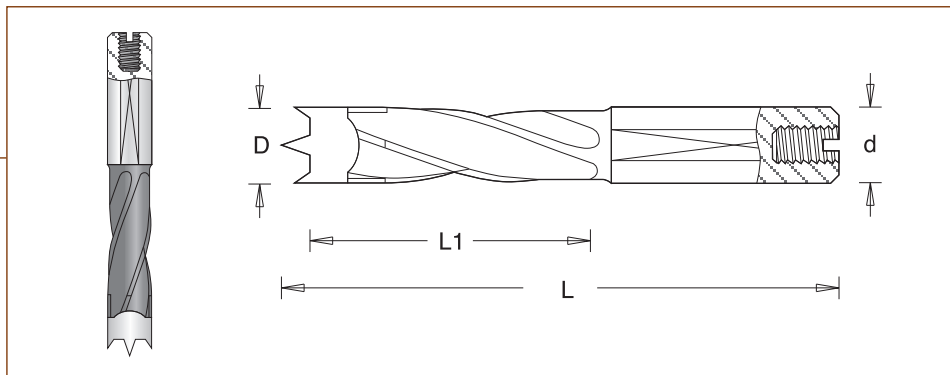
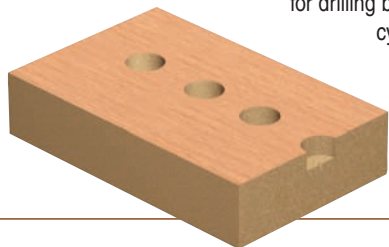
Product Ref.					
øD	Right	Left	L1	L	ød
5.0	IT/201 473 7	IT/201 476 7	50	77	10x20
5.1	IT/201 544 7	IT/201 545 7	50	77	10x20
5.2	IT/201 546 7	IT/201 547 7	50	77	10x20
6.0	IT/201 477 7	IT/201 478 7	50	77	10x20
7.0	IT/201 480 7	IT/201 481 7	50	77	10x20
8.0	IT/201 483 7	IT/201 486 7	50	77	10x20
8.1	IT/201 550 7	IT/201 551 7	50	77	10x20
8.2	IT/201 554 7	IT/201 555 7	50	77	10x20
9.0	IT/201 560 7	IT/201 561 7	50	77	10x20
10.0	IT/201 495 7	IT/201 496 7	50	77	10x20
11.0	IT/201 570 7	IT/201 571 7	50	77	10x20
12.0	IT/201 497 7	IT/201 498 7	50	77	10x20

 Screw
IT/193 000 0
M5x10



201 Lip & Spur Dowel Drills - Hollow Ground Flutes 8mm Shank

Tungsten carbide tipped dowel drill with centre point and two spurs. Hollow Ground flutes help reduce tear-out. Suitable for drilling blind holes in natural wood and man-made boards (including paper/plastic coated and veneered). Drills have a cylindrical shank with flat and length adjusting screw. For use on automatic and point-to-point boring machines.



55.5mm Overall Length

øD	Product Ref.		L1	L	ød
	Right	Left			
5.0	IT/201 403 5	IT/201 406 5	30	55.5	8x20
6.0	IT/201 407 5	IT/201 410 5	30	55.5	8x20
7.0	IT/201 411 5	IT/201 412 5	30	55.5	8x20
8.0	IT/201 413 5	IT/201 416 5	30	55.5	8x20
9.0	IT/201 510 5	IT/201 511 5	30	55.5	8x20
10.0	IT/201 417 5	IT/201 420 5	30	55.5	8x20
12.0	IT/201 421 5	IT/201 424 5	30	55.5	8x20



Screw
IT/193 000 0
M5x10

67.0mm Overall Length

øD	Product Ref.		L1	L	ød
	Right	Left			
5.0	IT/201 433 5	IT/201 436 5	40	67.0	8x20
6.0	IT/201 437 5	IT/201 440 5	40	67.0	8x20
7.0	IT/201 441 5	IT/201 442 5	40	67.0	8x20
8.0	IT/201 443 5	IT/201 446 5	40	67.0	8x20
9.0	IT/201 491 5	IT/201 492 5	40	67.0	8x20
10.0	IT/201 447 5	IT/201 450 5	40	67.0	8x20
12.0	IT/201 451 5	IT/201 454 5	40	67.0	8x20

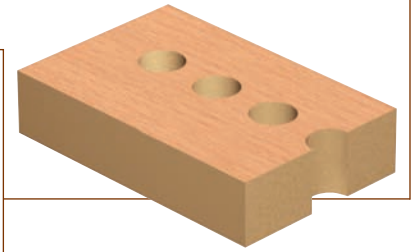
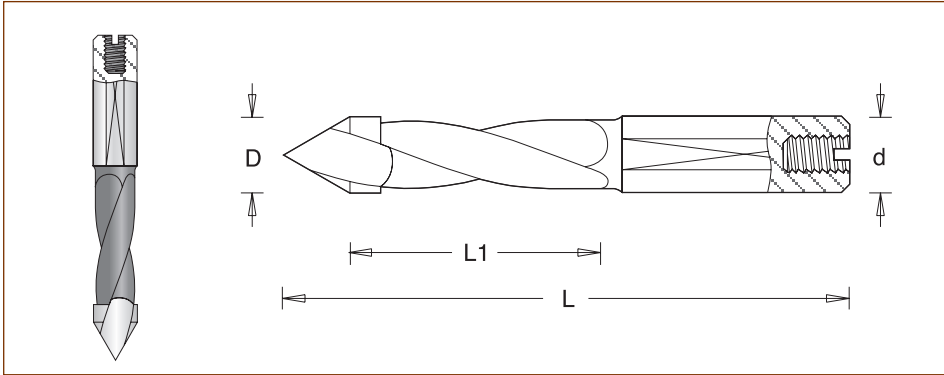


Screw
IT/193 000 0
M5x10




201 V-Point Through Hole Drill

Tungsten carbide tipped dowel drill with V drill point. Suitable for drilling tear free through holes in natural wood and man-made boards (including paper/plastic coated and veneered). Drills have a cylindrical shank with flat and length adjusting screw. For use on automatic and point-to-point boring machines.




57.5mm Overall Length

øD	Product Ref.		L1	L	ød
	Right	Left			
4.0	IT/201 600 7	IT/201 601 7	25	57.5	10x25
5.0	IT/201 604 7	IT/201 605 7	25	57.5	10x25
6.0	IT/201 606 7	IT/201 607 7	25	57.5	10x25
7.0	IT/201 650 7	IT/201 651 7	25	57.5	10x25
8.0	IT/201 608 7	IT/201 609 7	25	57.5	10x25
9.0	IT/201 656 7	IT/201 657 7	25	57.5	10x25
10.0	IT/201 612 7	IT/201 613 7	25	57.5	10x25

 Screw
IT/193 000 0
M5x10


70mm Overall Length

øD	Product Ref.		L1	L	ød
	Right	Left			
5.0	IT/201 614 7	IT/201 615 7	40	70	10x25
6.0	IT/201 616 7	IT/201 617 7	40	70	10x25
7.0	IT/201 661 7	IT/201 662 7	40	70	10x25
8.0	IT/201 618 7	IT/201 619 7	40	70	10x25
9.0	IT/201 667 7	IT/201 668 7	40	70	10x25
10.0	IT/201 622 7	IT/201 623 7	40	70	10x25

 Screw
IT/193 000 0
M5x10

77mm Overall Length

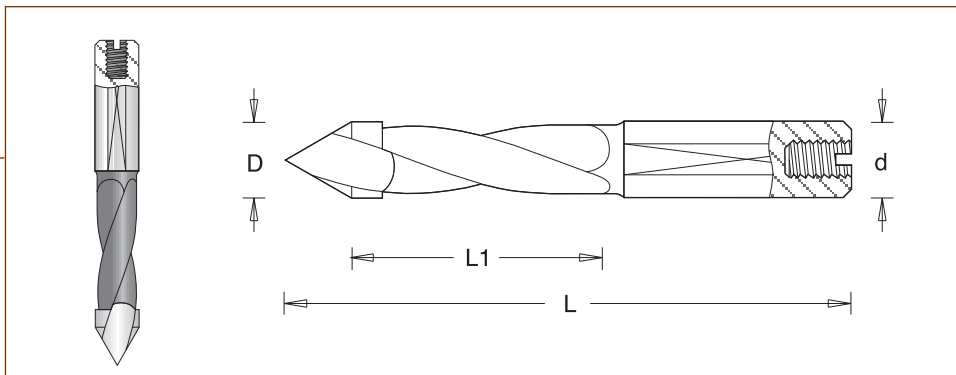
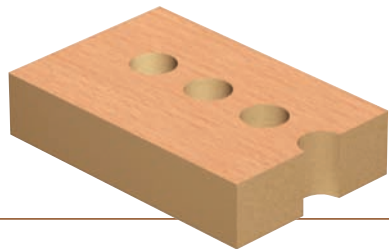
øD	Product Ref.		L1	L	ød
	Right	Left			
5.0	IT/201 624 7	IT/201 625 7	45	77	10x25
6.0	IT/201 626 7	IT/201 627 7	45	77	10x25
7.0	IT/201 631 7	IT/201 632 7	45	77	10x25
8.0	IT/201 628 7	IT/201 629 7	45	77	10x25
9.0	IT/201 637 7	IT/201 638 7	45	77	10x25
10.0	IT/201 641 7	IT/201 642 7	45	77	10x25

 Screw
IT/193 000 0
M5x10



201 V-Point Through Hole Drills - 8mm Shank

Tungsten carbide tipped dowel drill with V drill point. Suitable for drilling tear free through holes in natural wood and man-made boards (including paper/plastic coated and veneered). Drills have a cylindrical shank with flat and length adjusting screw. For use on automatic and point-to-point boring machines.



Screw
IT/193 000 0
M5x10

55.5mm Overall Length

		Product Ref.		L1	L	ød
øD	Right	Left				
5.0	IT/201 604 5	IT/201 605 5		25	55.5	8x20
8.0	IT/201 608 5	IT/201 609 5		25	55.5	8x20

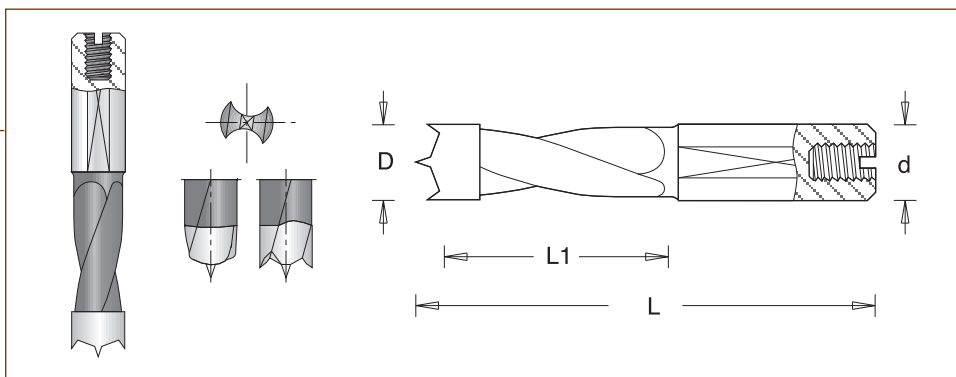
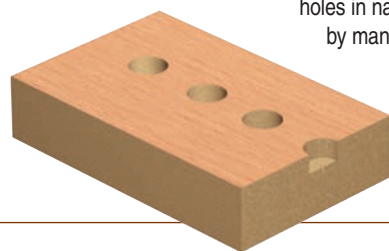
67.0mm Overall Length

5.0	IT/201 614 5	IT/201 615 5		35	67.0	8x20
8.0	IT/201 618 5	IT/201 619 5		35	67.0	8x20



ITEC Lip & Spur Dowel Drills

Tungsten carbide tipped dowel drill with centre point and two spurs. Special, high performance, drill suitable for drilling blind holes in natural wood and man-made boards (including paper/plastic coated and veneered). Will out perform standard drills by many times due to a special grade carbide, and a new grinding process giving the highest performance. Drills have a cylindrical shank with flat and length adjusting screw. For use on automatic and point-to-point boring machines.



Screw
IT/193 000 0
M5x10

57.5mm Overall Length

		Product Ref.		L1	L	ød
øD	Right	Left				
5.0	IT/201 705 7	IT/201 706 7		27	57.5	10x25
8.0	IT/201 713 7	IT/201 716 7		27	57.5	10x25
10.0	IT/201 722 7	IT/201 723 7		27	57.5	10x25

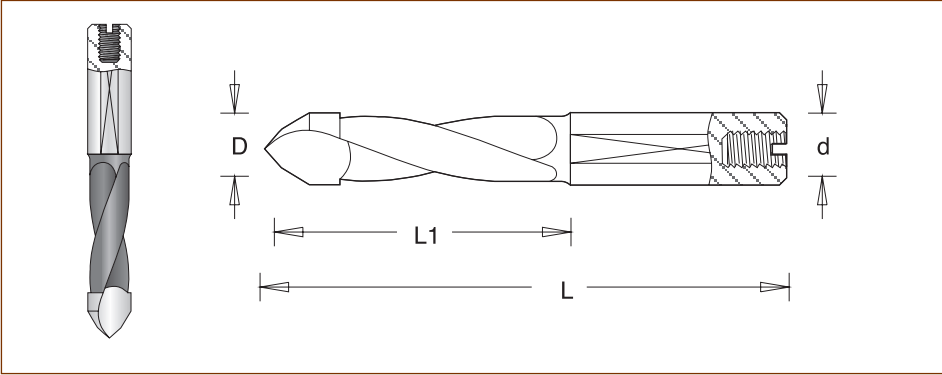
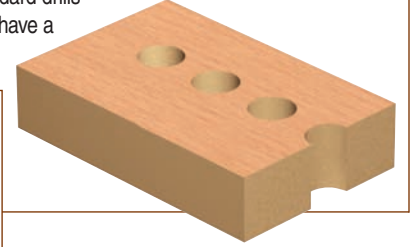
70.0mm Overall Length

5.0	IT/201 731 7	IT/201 734 7		35	70.0	10x25
8.0	IT/201 743 7	IT/201 746 7		35	70.0	10x25
10.0	IT/201 745 7	IT/201 748 7		35	70.0	10x25



ITEC™ V-Point Through Hole Drills

Tungsten carbide tipped dowel drill with V drill point. Special, high performance, drill suitable for drilling tear free through holes in natural wood and man-made boards (including paper/plastic coated and veneered). Will out perform standard drills by many times due to a special grade carbide, and a new grinding process giving the highest performance. Drills have a cylindrical shank with flat and length adjusting screw. For use on automatic and point-to-point boring machines.




57.5mm Overall Length

øD	Product Ref.		L1	L	ød
	Right	Left			
5.0	IT/201 760 7	IT/201 761 7	27	57.5	10x25
8.0	IT/201 762 7	IT/201 763 7	27	57.5	10x25
10.0	IT/201 764 7	IT/201 765 7	27	57.5	10x25

70.0mm Overall Length

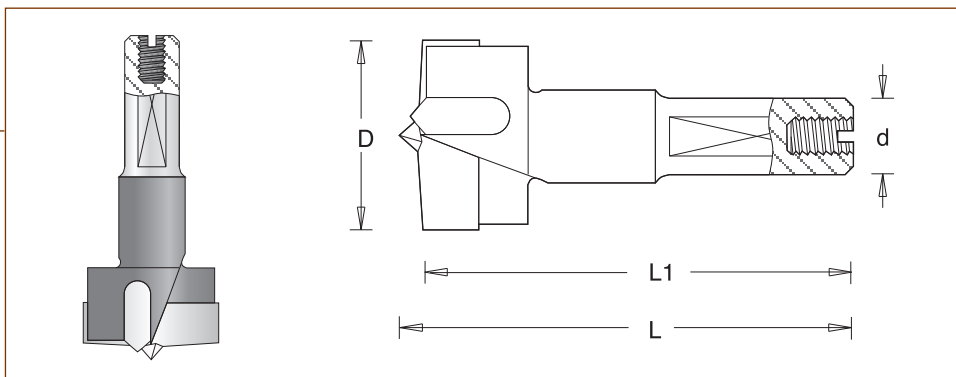
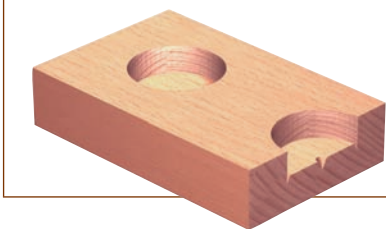
5.0	IT/201 770 7	IT/201 771 7	35	70.0	10x25
8.0	IT/201 772 7	IT/201 773 7	35	70.0	10x25
10.0	IT/201 774 7	IT/201 775 7	35	70.0	10x25

 Screw
 IT/193 000 0
 M5x10



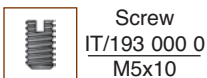
203 Cylinder Boring Bits

Tungsten carbide tipped boring bit with centre point, two cutting edges and two spurs. Suitable for drilling hinge holes in natural wood and man-made boards (including paper/plastic coated and veneered). Boring bits have a cylindrical shank with flat and length adjusting screw. For use on automatic and point-to-point boring machines.



57.5mm Overall Length

øD	Product Ref.		L1	L	ød
	Right	Left			
15	IT/203 100 7	IT/203 108 7	55.5	57.5	10x26
16	IT/203 136 7	IT/203 137 7	55.5	57.5	10x26
18	IT/203 102 7	IT/203 109 7	55.5	57.5	10x26
20	IT/203 101 7	IT/203 104 7	55.5	57.5	10x26
22	IT/203 103 7	IT/203 105 7	55.5	57.5	10x26
25	IT/203 107 7	IT/203 110 7	55.5	57.5	10x26
26	IT/203 113 7	IT/203 116 7	55.5	57.5	10x26
28	IT/203 115 7	IT/203 117 7	55.5	57.5	10x26
30	IT/203 119 7	IT/203 122 7	55.5	57.5	10x26
35	IT/203 125 7	IT/203 128 7	55.5	57.5	10x26
38	IT/203 126 7	IT/203 127 7	55.5	57.5	10x26
40	IT/203 131 7	IT/203 134 7	55.5	57.5	10x26

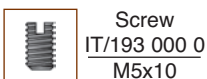


70.0mm Overall Length

øD	Product Ref.		L1	L	ød
	Right	Left			
15	IT/203 140 7	IT/203 141 7	68	70	10x26
20	IT/203 142 7	IT/203 143 7	68	70	10x26
25	IT/203 144 7	IT/203 145 7	68	70	10x26
30	IT/203 146 7	IT/203 147 7	68	70	10x26
35	IT/203 148 7	IT/203 149 7	68	70	10x26

77mm Overall Length

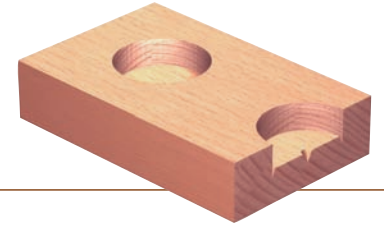
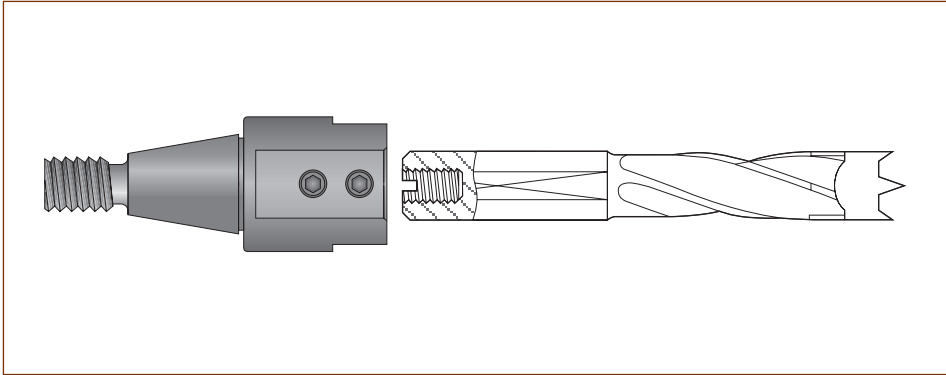
25	IT/203 160 7	IT/203 161 7	75	77	10x26
30	IT/203 155 7	IT/203 156 7	75	77	10x26
35	IT/203 151 7	IT/203 150 7	75	77	10x26





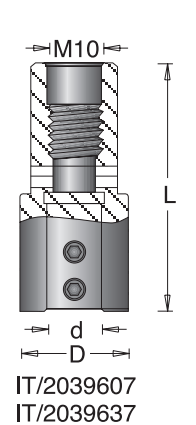
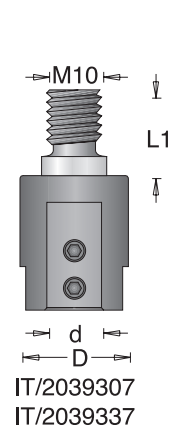
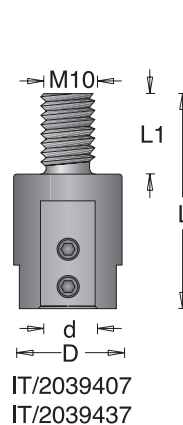
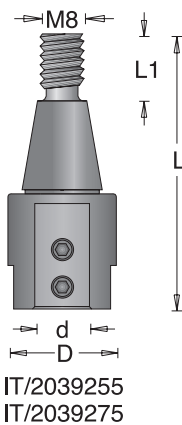
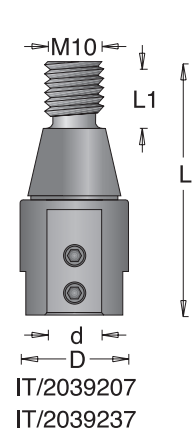
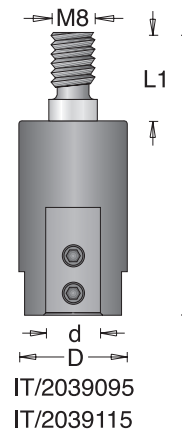
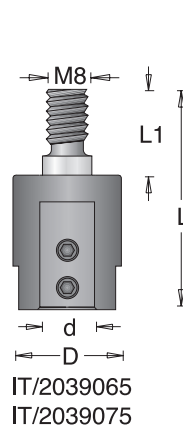
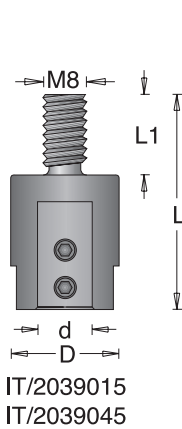
203 Combi Chucks

Reducing chucks for clamping drills and boring bits with cylindrical shank and flat. Suitable for all popular makes of automatic and point-to-point boring machines.



Product Ref.							
For Machines	øD	Right	Left	M	L1	L	ød
Nottmeyer (old design)	20	IT/203 901 5	IT/203 904 5	8	15	40	10
Nottmeyer (new design)	20	IT/203 906 5	IT/203 907 5	8	16	41	10
	20	IT/203 909 5	IT/203 911 5	8	15	52	10
Vitap, Busselato, Ompec, Balestrini, SCM	20	IT/203 920 7	IT/203 923 7	10	12	47	10
Bilek, type K & N	20	IT/203 925 5	IT/203 927 5	8	12	51	10
Ayen, Torwegge, Holzma, Mayer	20	IT/203 940 7	IT/203 943 7	10	15	40	10
Alberti, Balestrini Biesse, Busellato Mordibelli, Torwegge, Weeke	20	IT/203 930 7	IT/203 933 7	10	16	41	10
Scheer	20	IT/203 960 7	IT/203 963 7	10		46	10

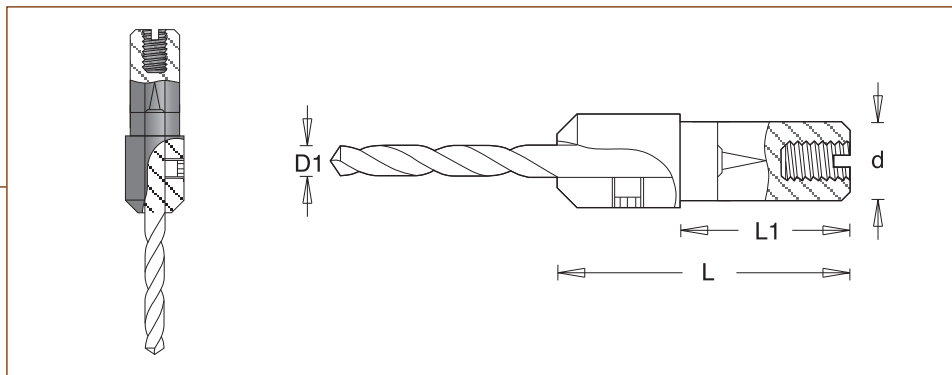
Screw
IT/193 024 8
M5x5






2039 - Chuck Adapter for Solid TC Drills

Suitable for adapting standard cylindrical shank drills for mounting in combi chucks with a tightening screw. Adapters have a cylindrical shank with flat and length adjusting screw.

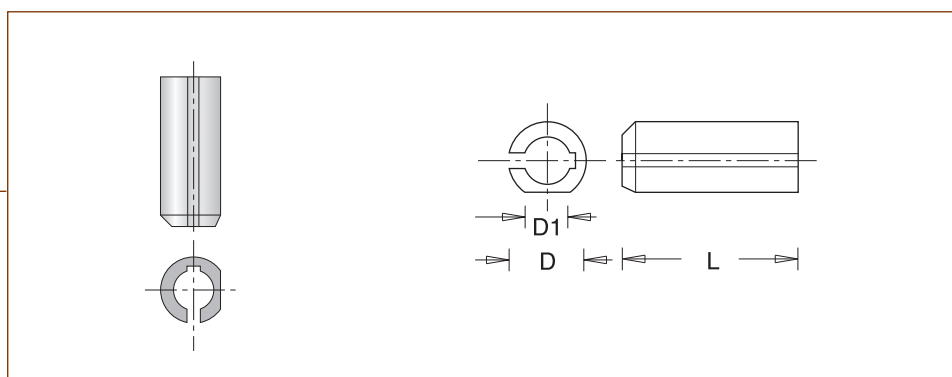


$\varnothing D1$	Product Ref.	L1	L	$\varnothing d$
2.0	IT/203 950 7	22	38	10
2.5	IT/203 951 7	22	38	10
3.0	IT/203 952 7	22	38	10
3.2	IT/203 953 7	22	38	10
3.5	IT/203 954 7	22	38	10
4.0	IT/203 955 7	22	38	10
5.0	IT/203 956 7	22	38	10

 Screw
 IT/193 000 0
 M5x10

Combi Chuck Reduction Bush for Solid TC Drills

Flat on full length of one side, notch on the opposite side. Suitable for adapting standard, cylindrical shank, drills for mounting in combi chucks with two tightening screws.

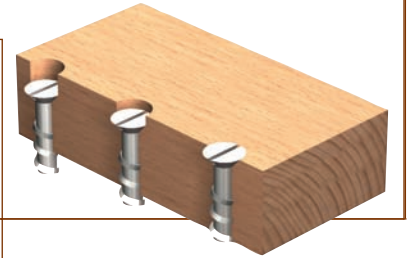
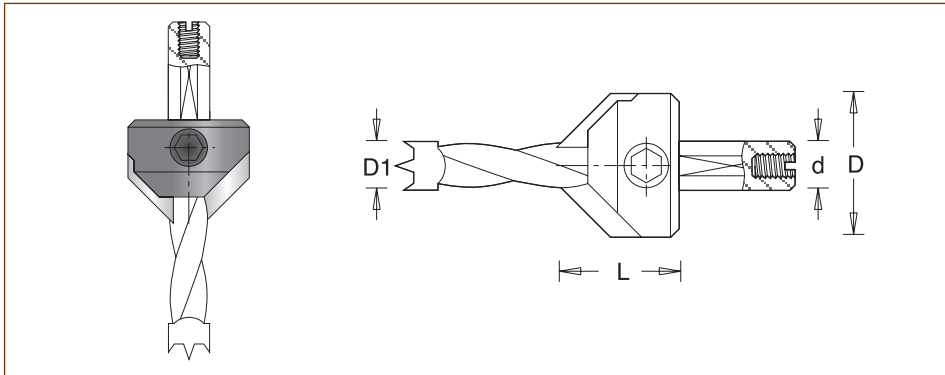


$\varnothing D1$	$\varnothing D$	Product Ref.	L
2.0	10	IT/192 456 0	23
2.5	10	IT/192 457 0	23
3.0	10	IT/192 451 0	23
3.2	10	IT/192 458 0	23
3.5	10	IT/192 452 0	23
4.0	10	IT/192 453 0	23
5.0	10	IT/192 454 0	23
6.0	10	IT/192 460 0	23
7.0	10	IT/192 461 0	23
8.0	10	IT/192 455 0	23



2022 - Countersink for Dowel Drills

Tungsten carbide tipped 90° countersinks with two flutes for use with dowel drills. Can be assembled on the drill flute or shank. Suitable for countersinking in natural wood and man-made boards.



		Product Ref.		L	ød
øD1	øD	Right	Left		
4	15.6	IT/202 202 0	IT/202 203 0	17.5	10
5	16.0	IT/202 200 0	IT/202 201 0	17.5	10
6	16.0	IT/202 204 0	IT/202 205 0	17.5	10
7	16.0	IT/202 206 0	IT/202 207 0	17.5	10
8	18.0	IT/202 210 0	IT/202 211 0	17.5	10
9	18.0	IT/202 214 0	IT/202 215 0	17.5	10
10	20.0	IT/202 220 0	IT/202 221 0	17.5	10
10	12.0	IT/202 224 0	IT/202 225 0	17.5	10
5-10	15.5	IT/202 226 0 *	IT/202 227 0 *	16.5	10
5-10	20.0	IT/202 230 0 *	IT/202 231 0 *	17.5	10

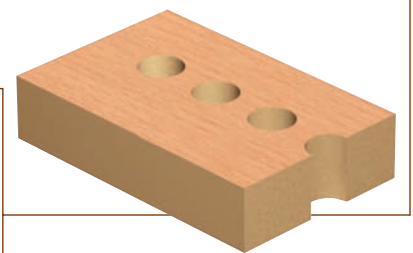
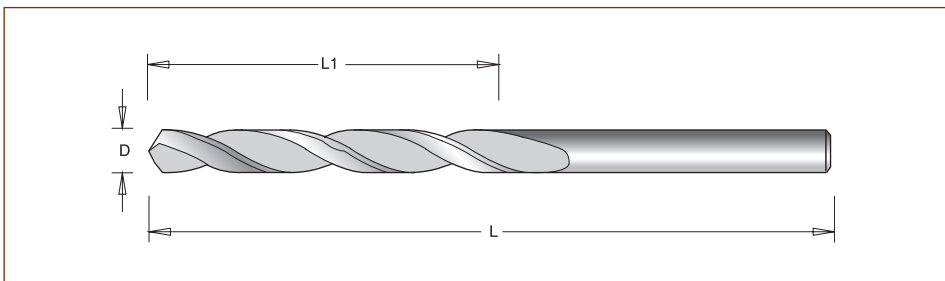
! * This countersink is assembled on the shank of the drill.



Screw
IT/193 682 0
M6x10

STC Twist Drills

Solid tungsten carbide twist drills with V point. Suitable for drilling blind and through holes in natural wood and man-made boards. Smaller diameters can be used for pre-drilling. Drills are straight over their full length and can be used in the chuck adapters and reduction bushes on the previous page.

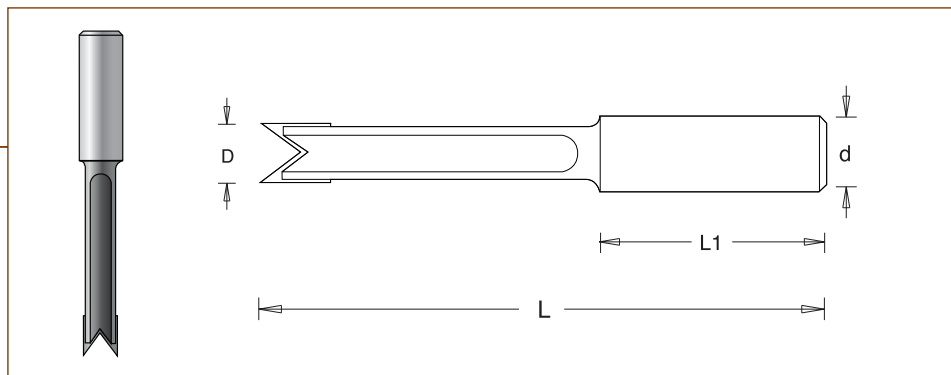
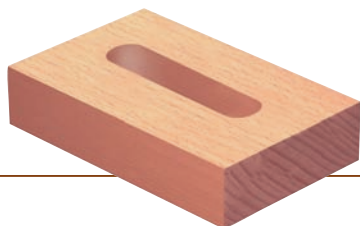


		Product Ref.		L1	L
øD	Right	Left			
2.0	IT/DSC20R	IT/DSC20L		12	38
2.5	IT/DSC25R	IT/DSC25L		14	43
3.0	IT/DSC30R	IT/DSC30L		16	46
3.5	IT/DSC35R	IT/DSC35L		20	52
4.0	IT/DSC40R	IT/DSC40L		22	55
5.0	IT/DSC50R	IT/DSC50L		26	62



204 - Reciprocating Slot Mortise Bit

Tungsten Carbide tipped slot mortise bits, complete with two flutes. Suitable for making slots & grooves in soft & hardwood. The design allows the tool to cut in both left & right hand direction. Suitable for use on a slot mortise machine, or routers and machining centres with or without CNC control.



$\varnothing D$	Product Ref.	L1	L	$\varnothing d$
8	IT/204 001 8	40	100	13
10	IT/204 007 8	40	100	13
12	IT/204 013 8	40	120	13
14	IT/204 019 8	40	120	13
16	IT/204 025 8	40	120	13
18	IT/204 031 8	40	120	13



CNC MACHINING

Trend offer a range of profile and straight machining bits in a wide range of measurements.

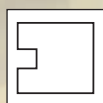
Including:

- A new generation of extended life **D_{NAMIC}** carbide straight bits.
- Router bits for CNC machines made from solid carbide.
- Router bits for CNC machines with tungsten carbide disposable knives.
- A unique system of router bits - different profile knives that are assembled on a single body.

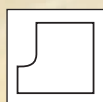
Our range of solid carbide spiral bits feature:

- **D_{NAMIC}** carbide.
- Unique grinding process.
- Extreme durability and long life in solid wood and abrasive board.

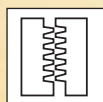
■ Technical information	120 - 121
■ Grooving and sizing	122 - 141
■ Profiling and chamfering	142 - 147
■ Jointing and rebating	148 - 153
■ Carving	151
■ Clamping systems, chucks and adapters	154 - 157
■ Diamond sharpening stones	157



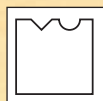
Grooving & Sizing



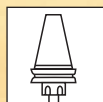
Profiling & Chamfering



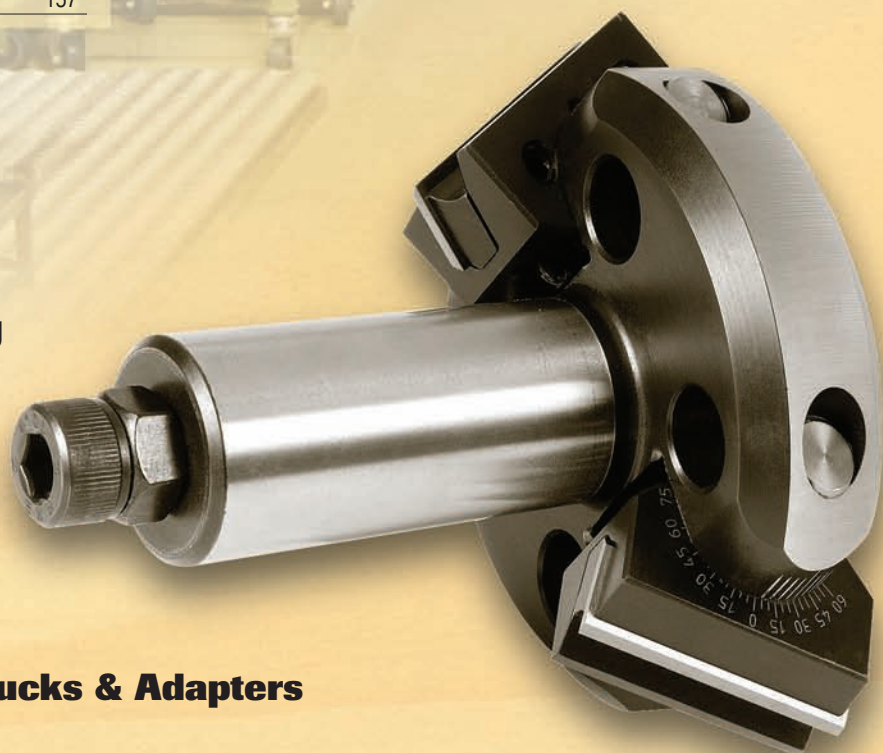
Jointing & Rebating



Carving



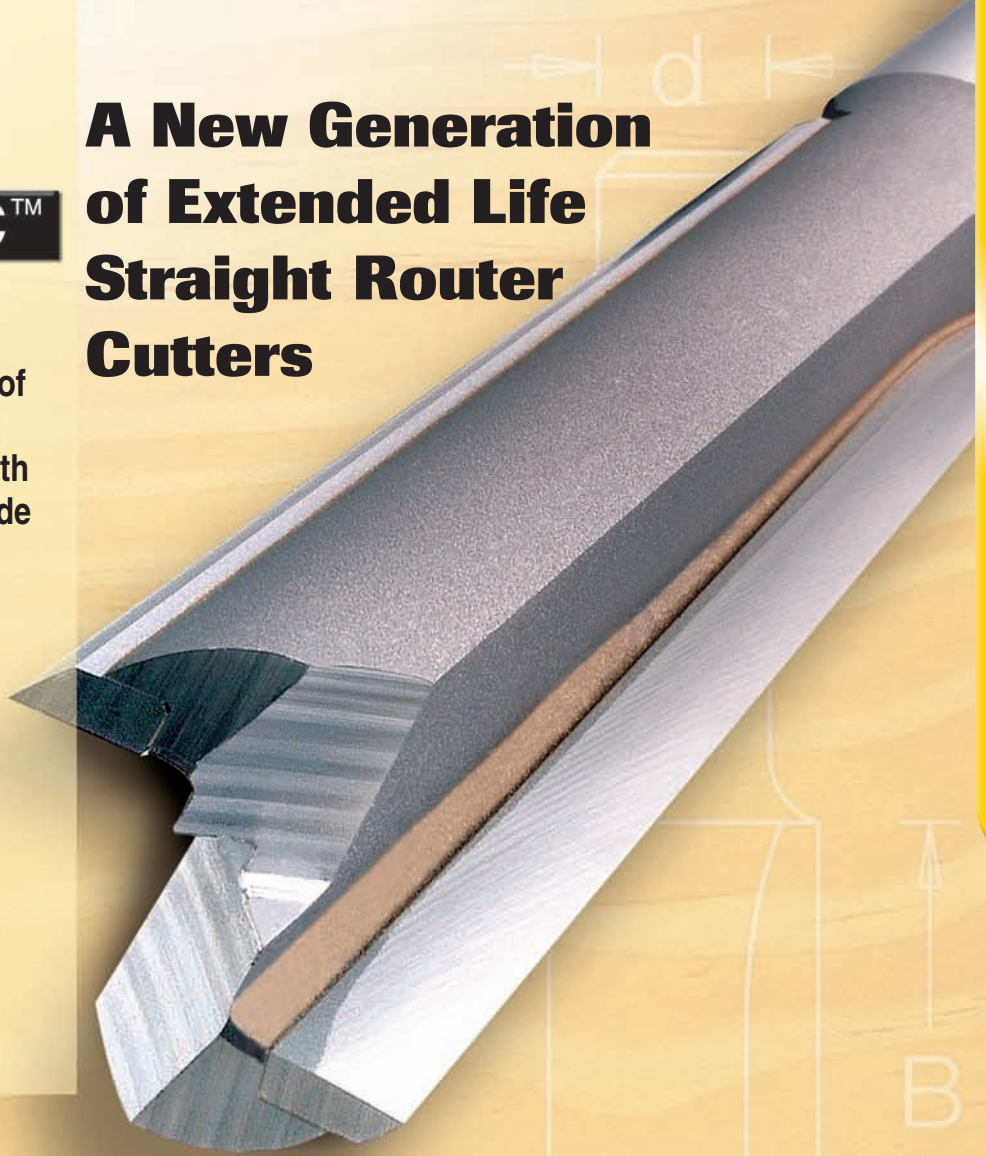
Clamping Systems, Chucks & Adapters





A New Generation of Extended Life Straight Router Cutters

- A brand new generation of high wear carbide developed exclusively with the world's leading carbide manufacturer.
- More precise automated grinding processes that further improves the carbide's resistance to wear.
- Up to 200% the life-time even when working with abrasive materials.
- The most cost effective carbide available today.

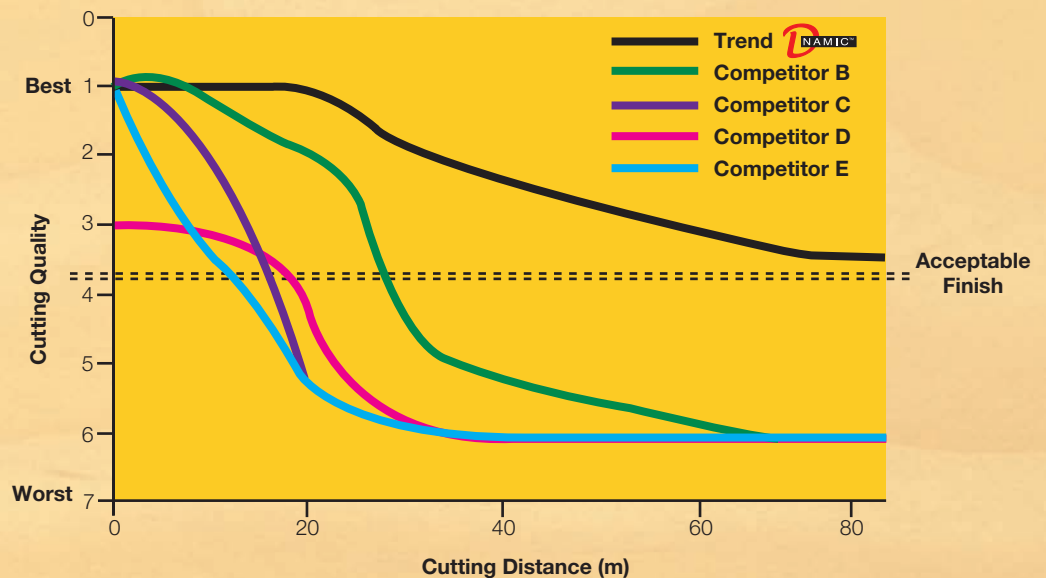


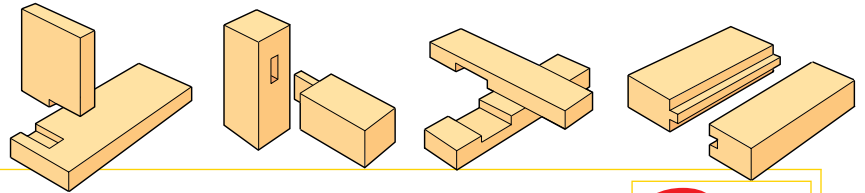
HAVE YOU GOT THE DYNAMIC™ EDGE?

Competitor



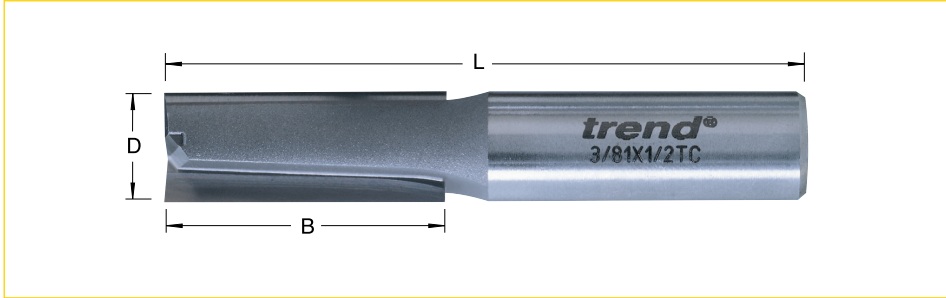
Trend's automated grinding technology gives an unparalleled finish to new cutters. This higher quality finish provides a product that cuts at least twice further than it's nearest competitor.





Straight Router Cutters - Two Flute - 3/8" Shank

Two flutes give a clean finish to the cut edges. All cutters are suitable for plunge routers unless stated. Use TCT for abrasive materials such as chipboard, MDF, plywood, hardwoods and hard plastics. All TCT cutters above and including 9.5mmØ, have a TCT centre tip.



øD ins.	øD mm	B mm	L mm	Product Ref.
15/64	6	16	56	3/2X3/8TC ★
1/4	6.3	16	57	3/20X3/8TC ★
1/4	6.3	25	62	3/22X3/8TC ★
5/16	8	19	55	3/4X3/8TC
23/64	9	19	55	3/5X3/8TC
3/8	9.5	25	63	3/50X3/8TC
3/8	9.5	25	63	S3/50X3/8TC
25/64	10	19	55	3/6X3/8TC
7/16	11	25	58	3/7X3/8TC
15/32	12	19	51	3/8X3/8TC
1/2	12.7	32	73	3/81X3/8TC
23/32	18.2	21	53	4/4X3/8TC
3/4	19.1	25	60	4/5X3/8TC
1	25.4	25	61	4/8X3/8TC

Straight Router Cutters - Two Flute - 1/2" Shank

øD ins.	øD mm	B mm	L mm	Product Ref.
1/8	3.2	11	56	3/10X1/2TC ★
-	4	11	63	3/01X1/2TC ★
3/16	4.7	11	56	3/0X1/2TC ★
15/64	6	16	61	3/2X1/2TC ★
1/4	6.3	16	69	3/20X1/2TC ★
1/4	6.3	25	75	3/22X1/2TC ★
5/16	8	19	65	3/4X1/2TC
5/16	8	25	69	3/41X1/2TC
23/64	9	19	68	3/5X1/2TC
3/8	9.5	25	71	3/50X1/2TC
3/8	9.5	32	76	3/51X1/2TC
25/64	10	19	63	3/6X1/2TC
25/64	10	35	81	3/60X1/2TC
7/16	11	25	68	3/7X1/2TC
15/32	12	19	61	3/8X1/2TC
15/32	12	25	68	3/71X1/2TC
15/32	12	32	73	3/74X1/2TC
15/32	12	38	80	3/72X1/2TC

★ These cutters have Solid Carbide inserts rather than brazed tips.

● These cutters have no centre TC tip and are not suitable for plunging abrasive materials.

NB Diameter dimensions shown in **bold** denote exact size.



Straight Router Cutters - Two Flute - 1/2" Shank Continued

øD ins.	øD mm	B mm	L mm	Product Ref.
15/32	12	50	109	3/73X1/2TC ●
15/32	12	50	109	3/73DX1/2TC
15/32	12	63	114	3/75X1/2TC
1/2	12.7	25	68	3/08X1/2TC
1/2	12.7	32	74	3/81X1/2TC
1/2	12.7	37	79	3/82X1/2TC
1/2	12.7	50	108	3/83X1/2TC ●
1/2	12.7	50	99	3/83DX1/2TC
1/2	12.7	50	84	3/83MX1/2TC ●
1/2	12.7	63	115	3/85X1/2TC ●
33/64	13	26	72	4/0X1/2TC
35/64	14	25	67	4/01X1/2TC
35/64	14	50	95	4/03X1/2TC
9/16	14.3	25	69	4/02X1/2TC
19/32	15	25	67	4/1X1/2TC
5/8	15.9	25	66	4/26X1/2TC
5/8	15.9	28	74	4/20X1/2TC
5/8	15.9	37	79	4/21X1/2TC
5/8	15.9	50	96	4/22X1/2TC
5/8	15.9	63	105	4/24X1/2TC
5/8	16	19	60	4/2X1/2TC
43/64	17	25	65	4/25X1/2TC
45/64	18	25	67	4/29X1/2TC
45/64	18	50	92	4/30X1/2TC
23/32	18.2	21	67	4/4X1/2TC
23/32	18.2	32	74	4/40X1/2TC
3/4	19.1	25	67	4/5X1/2TC
3/4	19.1	37	79	4/50X1/2TC
3/4	19.1	50	92	4/51X1/2TC
3/4	19.1	63	105	4/52X1/2TC
25/32	20	25	66	4/6X1/2TC
53/64	21	19	59	4/62X1/2TC
55/64	22	19	57	4/60X1/2TC
7/8	22.2	31	73	4/7X1/2TC
29/32	23	19	57	4/71X1/2TC
61/64	24	19	59	4/72X1/2TC
63/64	25	25	65	4/70X1/2TC
1	25.4	19	60	4/08X1/2TC
1	25.4	25	68	4/8X1/2TC
1	25.4	37	79	4/80X1/2TC
1 ¹ / ₃₂	26	25	65	4/82X1/2TC
1 ¹ / ₁₆	27	32	72	4/83X1/2TC
1 ⁷ / ₆₄	28	25	66	4/85X1/2TC
1¹/₈	28.5	25	67	4/9X1/2TC
1 ³ / ₁₆	30	25	67	4/91X1/2TC
1¹/₄	31.7	25	67	4/90X1/2TC
1³/₈	35	25	67	4/10X1/2TC
1¹/₂	38.1	25	66	4/12X1/2TC
1 ³⁷ / ₆₄	40	25	66	4/92X1/2TC
1⁵/₈	41.3	25	66	4/93X1/2TC
1³/₄	44.5	32	73	4/94X1/2TC
1⁷/₈	47.6	32	73	4/95X1/2TC
1 ³¹ / ₃₂	50	25	63	4/96X1/2TC
2	50.8	25	66	4/15X1/2TC

★ These cutters have Solid Carbide inserts rather than brazed tips.

● These cutters have no centre TC tip and are not suitable for plunging abrasive materials.

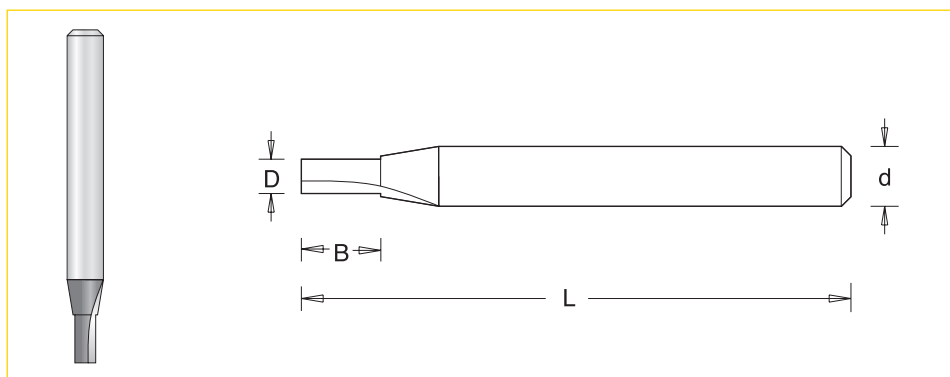
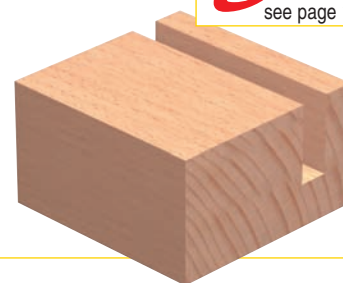
NB Diameter dimensions shown in **bold** denote exact size.





Solid Carbide Straight Router Cutters - One Flute

Solid tungsten carbide router cutter complete with one or two straight flutes. Suitable for producing grooves and slots in softwood, hardwood or man-made boards. **D** **NAMIC** carbide for maximum durability in abrasive materials and better plunge characteristics. Single flute for faster feed rate, two flute for improved finish. For use on routers and machining centres with or without CNC control.



øD mm	øD ins	Product Ref.	B	L	ød
6.3	1/4	S2/6X1/4TC	10	-	1/4"
6.3	1/4	S2/60X1/4TC	19	-	1/4"

Solid Carbide Straight Router Cutter - Two Flute

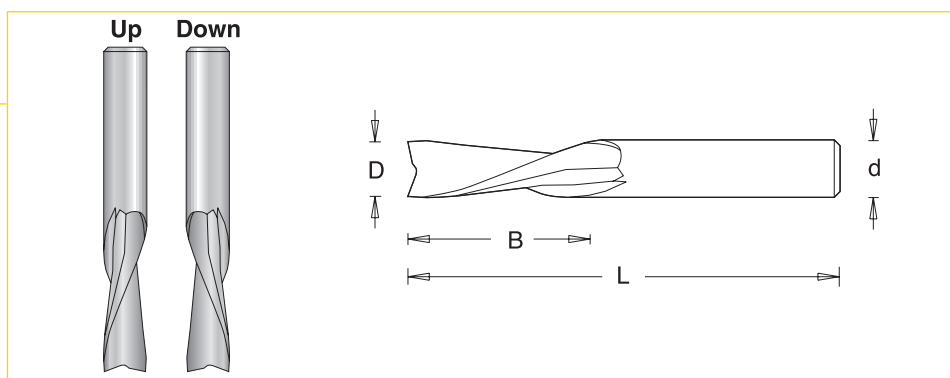
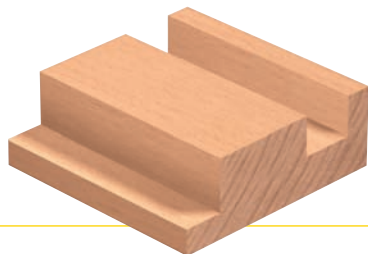
øD mm	øD ins	Product Ref.	B	L	ød
3	-	IT/S0107 001 3	11	60	6mm
4	-	IT/S0107 004 3	11	60	6mm
5	-	IT/S0107 007 3	11	60	6mm
6	-	IT/S0107 010 3	19	60	6mm
6	-	IT/S0107 013 3	25	60	6mm
6.3	1/4	S3/12X1/4STC	11	51	1/4"
6.3	1/4	S3/22X1/4STC	25	50	1/4"
6.3	1/4	S3/21X1/4STC	28	63	1/4"
8	-	IT/S0107 025 5	25	70	8mm
9.5	3/8	S3/50X3/8STC	25	63	3/8"
10	-	IT/S0107 858 7	30	80	10mm
12.7	1/2	S3/81X1/2STC	32	77	1/2"





Solid Carbide Finishing Spirals for solid wood - Two Flute

Solid tungsten carbide router cutter complete with two spiral flutes. Suitable for fine 'finishing' cuts in softwood and hardwood. **PCB** carbide for maximum durability in abrasive materials. Upcut spiral for optimum chip flow and improved finish on the bottom of the board. Downcut for better clamping when machining small work pieces and improved finish on the top of the board. For use on routers and machining centres with or without CNC control.



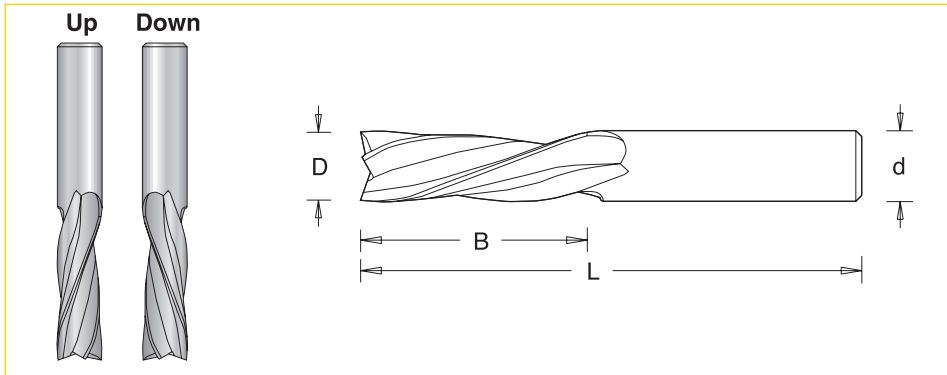
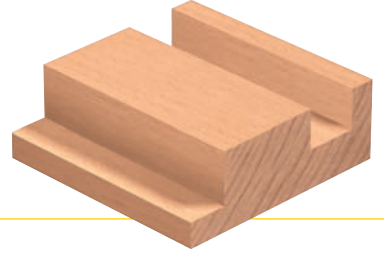
Product Ref.						
øD mm	øD ins.	Upcut	Downcut	B	L	ød
1.5	-	S58/1X3MMSTC*	S58/1LHX3MMSTC*	5	38	3
2	-	S58/2X3MMSTC*	S58/2LHX3MMSTC*	6	38	3
2.5	-	S58/3X3MMSTC*	S58/3LHX3MMSTC*	7	38	3
3	-	S58/4X3MMSTC*	S58/3LHX3MMSTC*	12	38	3
3	-	S58/5X3MMSTC*	S58/5LHX3MMSTC*	25	65	3
3	-	IT/173 405 5	-	12	50	8
3.2	1/8	S55/02X1/4STC	S55/02LHX1/4STC	12.7	50.8	1/4"
3.96	5/32	S55/03X1/4STC	S55/03LHX1/4STC	15.9	63.5	1/4"
4	-	IT/173 410 0	IT/173 510 0	12	55	4
4	-	IT/173 410 5	-	12	50	8
4.76	3/16	S55/04X1/4STC	S55/04LHX1/4STC	19.1	63.5	1/4"
5	-	IT/173 416 0	IT/173 516 0	20	55	5
5	-	IT/173 415 5	-	15	50	8
6	-	IT/173 420 3	IT/173 520 3	20	60	6
6	-	IT/173 420 5	-	20	60	8
6.35	1/4	S55/2X1/4STC	S55/2LHX1/4STC	25.4	63	1/4"
7.9	5/16	S55/05X1/2STC	S55/05LHX1/2STC	25.4	76	1/2"
8	-	S55/06X8MMSTC	S55/06LHX8MMSTC	25	63	8
8	-	IT/173 425 5	-	20	60	8
9.5	3/8	S55/3X1/2STC	S55/3LHX1/2STC	31.8	76	1/2"
10	-	IT/173 430 7	IT/173 530 7	25	70	10
10	-	IT/173 432 7	IT/173 532 7	32	70	10
12	-	IT/173 435 9	IT/173 535 9	32	80	12
12	-	IT/173 437 9	IT/173 537 9	42	90	12
12	-	IT/173 438 9	IT/173 538 9	52	100	12
12.7	1/2	S55/4X1/2STC	S55/4LHX1/2STC	31.8	76	1/2"
12.7	1/2	S55/5X1/2STC	S55/5LHX1/2STC	38	89	1/2"
12.7	1/2	S55/6X1/2STC	S55/6LHX1/2STC	50.8	101	1/2"
14	-	IT/173 439 0	IT/173 539 0	32	90	14
14	-	IT/173 440 0	IT/173 540 0	42	90	14
14	-	IT/173 441 0	IT/173 541 0	52	100	14
16	-	IT/173 446 0	IT/173 546 0	42	100	16
16	-	IT/173 447 0	IT/173 547 0	52	110	16

! *S58 range of small diameter spirals used for specialised applications including sign making and PCB machining.



Solid Carbide Finishing Spirals - Three Flute

Solid tungsten carbide router cutter complete with three spiral flutes. Suitable for extra fine 'finishing' cuts in softwood, hardwood and man-made boards (with or without coating). **D**AMIC carbide for maximum durability in abrasive materials. Upcut spiral for optimum chip flow and improved finish on the bottom of the board. Downcut for better clamping when machining small work pieces and improved finish on the top of the board. For use on routers and machining centres with CNC control.

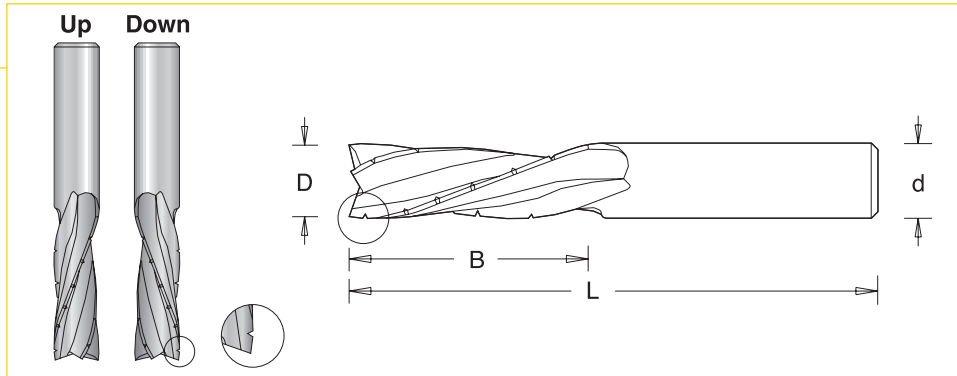
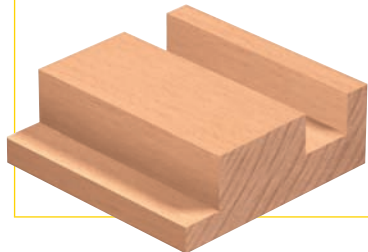


Product Ref.					
øD	Upcut	Downcut	B	L	ød
12	IT/173 637 9	IT/173 937 9	42	80	12
12	IT/173 638 9	IT/173 938 9	52	100	12
14	IT/173 639 0	IT/173 939 0	35	80	14
14	IT/173 670 0	IT/173 970 0	42	100	14
14	IT/173 640 0	IT/173 940 0	55	110	14
16	IT/173 641 0	IT/173 941 0	35	80	16
16	IT/173 646 0	IT/173 946 0	42	100	16
16	IT/173 648 0	IT/173 948 0	52	110	16
18	IT/173 651 0	IT/173 951 0	52	120	18
20	IT/173 656 0	IT/173 956 0	52	120	20
20	IT/173 658 0	IT/173 958 0	72	135	20



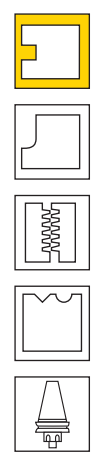
Solid Carbide Chipbreaker Spirals for Solid Wood - Three Flute

Solid tungsten carbide router cutter complete with three spiral flutes. Suitable for 'roughing' cuts in softwood, and hardwood. **DYNAMIC** carbide for maximum durability in abrasive materials. Chipbreakers produce finer chips and allow faster feed rates with a detriment to the cut quality. Upcut spiral for optimum chip flow and improved finish on the bottom of the board. Downcut for better clamping when machining small work pieces and improved finish on the top of the board. For use on routers and machining centres with or without CNC control.



Product Ref.					
øD	Upcut	Downcut	B	L	ød
10	IT/178 433 7	IT/178 533 7	42	80	10
12	IT/178 437 9	IT/178 537 9	42	80	12
14	IT/178 439 0	IT/178 539 0	35	80	14
16	IT/178 447 0 [▲]	IT/178 547 0 [▲]	55	100	16
16	IT/178 448 0	IT/178 548 0	55	110	16
18	IT/178 452 0 [▲]	IT/178 552 0 [▲]	55	100	18
18	IT/178 451 0	IT/178 551 0	55	120	18
20	IT/178 457 0 [▲]	IT/178 557 0 [▲]	55	100	20
20	IT/178 456 0	IT/178 556 0	55	120	20

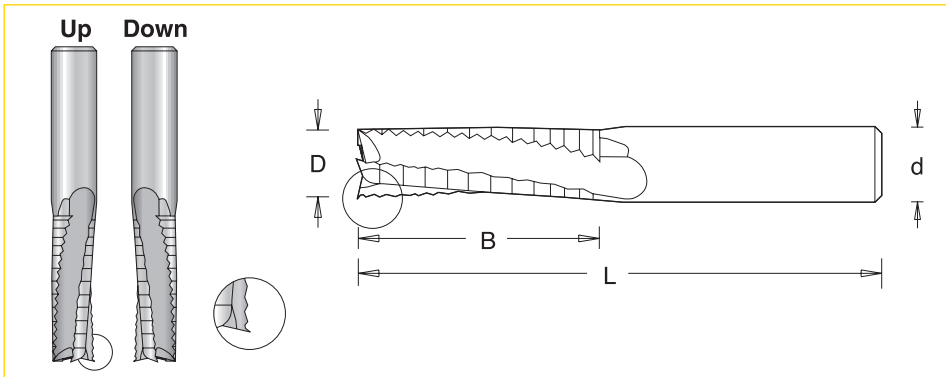
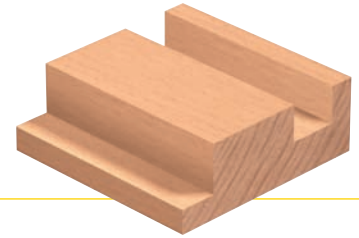
[▲] While stocks last.





Solid Carbide Roughing Spirals - Three Flute

Solid tungsten carbide router cutter complete with three spiral flutes. Suitable for 'roughing' cuts in softwood, hardwood and man made board (with or without coating). **DYNAMIC** carbide for maximum durability in abrasive materials. Upcut spiral for optimum chip flow and improved finish on the bottom of the board. Downcut for better clamping when machining small work pieces and improved finish on the top of the board. For use on routers and machining centres with or without CNC control.

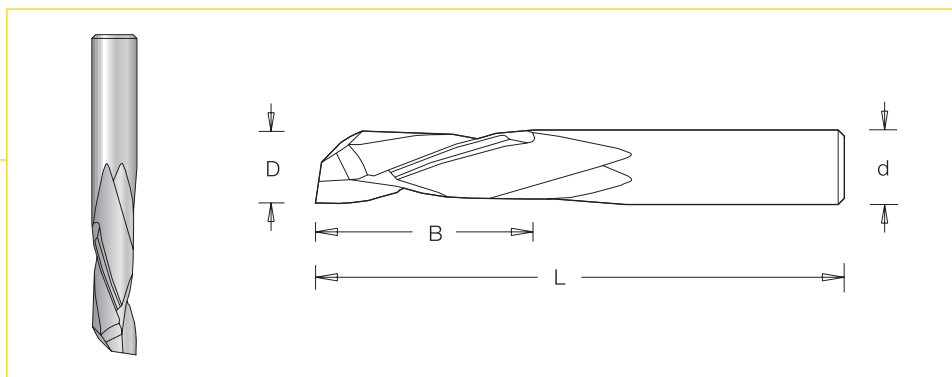
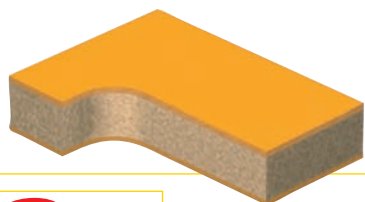


øD	Product Ref.		B	L	ød
	Upcut	Downcut			
10	IT/178 632 7	IT/178 932 7	32	80	10
12	IT/178 635 9	IT/178 935 9	32	80	12
12	IT/178 638 9	IT/178 938 9	52	100	12
14	IT/178 641 0	IT/178 941 0	52	100	14
16	IT/178 647 0	IT/178 947 0	55	110	16
18	IT/178 651 0	IT/178 951 0	55	120	18
20	IT/178 656 0	IT/178 956 0	55	120	20
20	IT/178 658 0	IT/178 958 0	72	135	20



Solid Carbide Up & Down Compression Spirals for Solid Wood - Single Flute

Solid tungsten carbide router cutter complete with one up and down compression spiral flutes. Compression spiral ensures material is squeezed into the middle to give a fine finish on both surfaces of solid hard and soft wood. **D**NAMIC carbide for maximum durability in abrasive materials. For use on routers and machining centres with and without CNC control.

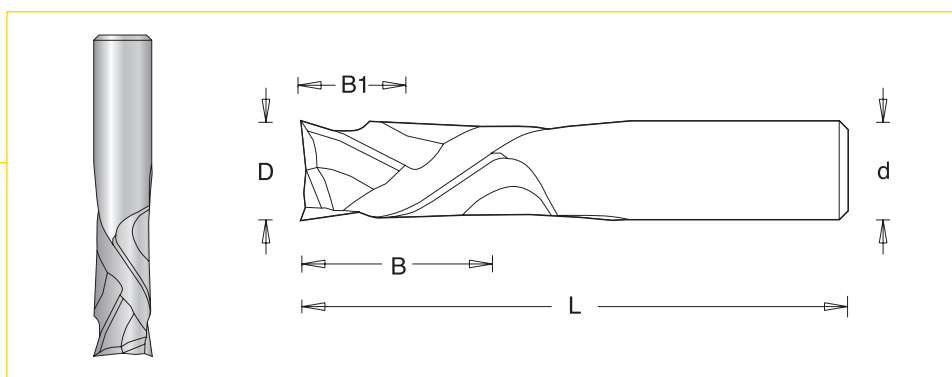
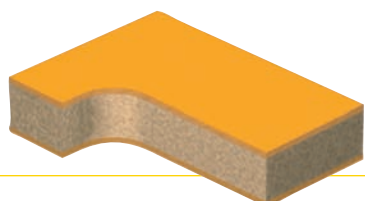


øD mm	øD ins	Product Ref.	B	L	d
6	-	IT/174 220 3	20	60	6mm
6.35	1/4	S57/01X1/4STC	19	64	1/4"
8	-	IT/174 227 5	25	70	8mm
9.5	3/8	S57/1X8MMSTC	25.4	70	3/8"
10	-	IT/174 233 7	32	80	10mm
12	-	IT/174 235 9	32	80	12mm
12	-	IT/174 237 9	42	90	12mm
12	-	IT/174 238 9	52	100	12mm
12.7	1/2	S57/2X1/2STC	38.1	89	1/2"

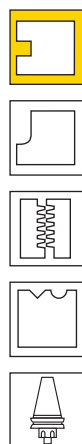


Solid Carbide Up & Down Compression Spirals - Two Flute

Solid tungsten carbide router cutter complete with two up and down compression spiral flutes. Compression spiral ensures material is squeezed into the middle to give an extra fine finish on both surfaces of laminated and veneered board. **D**NAMIC carbide for maximum durability in abrasive materials. For use on routers and machining centres with and without CNC control.



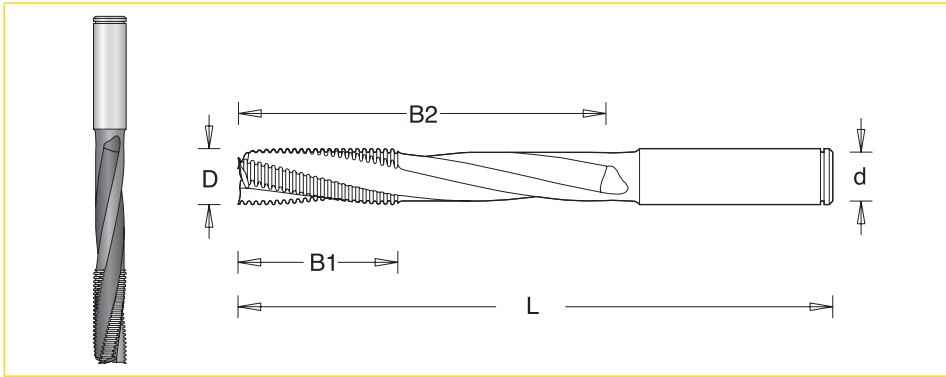
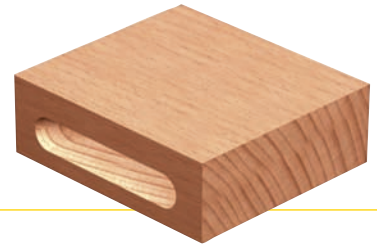
øD	Product Ref.	B	B1	L	ød
6	IT/174 320 3	20	6	60	6
8	IT/174 327 5	25	7	70	8
10	IT/174 333 7	32	8	80	10
12	IT/174 335 9	32	8	80	12
12	IT/174 337 9	42	13	90	12
14	IT/174 342 0	52	14	100	14
16	IT/174 348 0	52	14	110	16
18	IT/174 351 0	52	14	120	18
20	IT/174 356 0	52	14	120	20
20	IT/174 358 0	72	20	135	20





Solid Carbide Spiral Cutters for Lock Casing

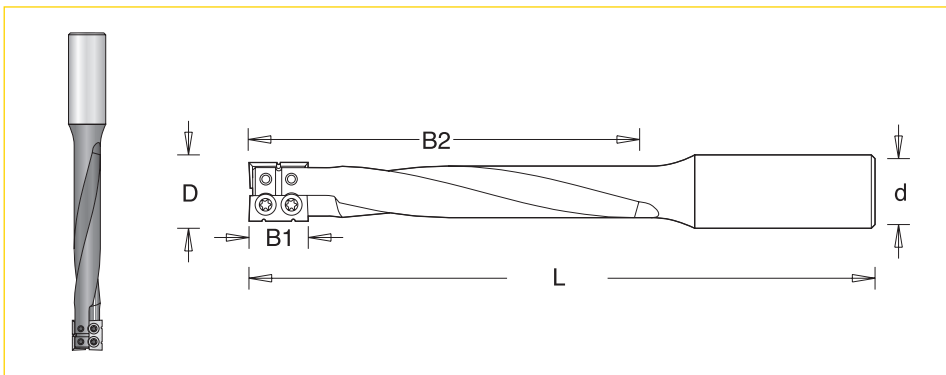
Solid tungsten carbide router cutter complete with three spiral chip breaker flutes. Suitable for producing deep grooves, slots and holes for door furniture in softwood, hardwood, solid and hollow board doors. Solid carbide for maximum durability in abrasive materials. For use on routers and machining centres with CNC control.



øD	Product Ref.	B1	B2	L	ød	n
14	IT/178 640 0	45	95	150	14	18,000
16	IT/178 646 0	45	115	170	16	18,000
18	IT/178 652 0	45	115	170	18	18,000

Disposable Insert Router Cutters for Lock Casing

Disposable insert router cutter complete with two chip breaker flutes. Suitable for producing deep grooves, slots and holes for door furniture in softwood, hardwood, solid and hollow board doors. Replaceable inserts ensure a constant cutting diameter and finish quality. For use on routers and machining centres with CNC control.



øD	Product Ref.	B1	B2	L	ød	n
14	IT/807 360 0 ▲	16	95	150	20	12,000
16	IT/807 365 0 ▲	16	115	170	20	12,000
18	IT/807 370 0 ▲	16	115	170	20	12,000

▲ While stocks last.

Spare Parts

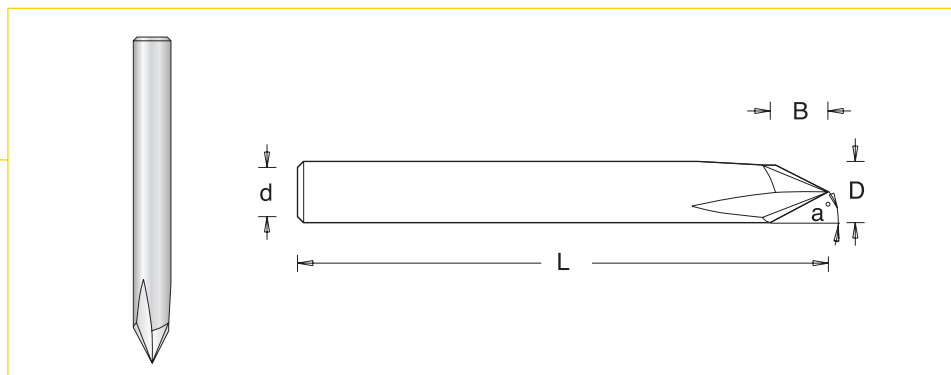
Description	T.C. Blade		Torx® Screw	Torx® Key
Product Ref.	IT/310 771 6/10	IT/310 772 6/10	IT/193 400 0	IT/194 110 0
Size	16x7x1.5	16x7x1.5	M3x4	T9

Blades sold in packs of ten.



Solid Carbide V-Grooving & Engraving Cutters

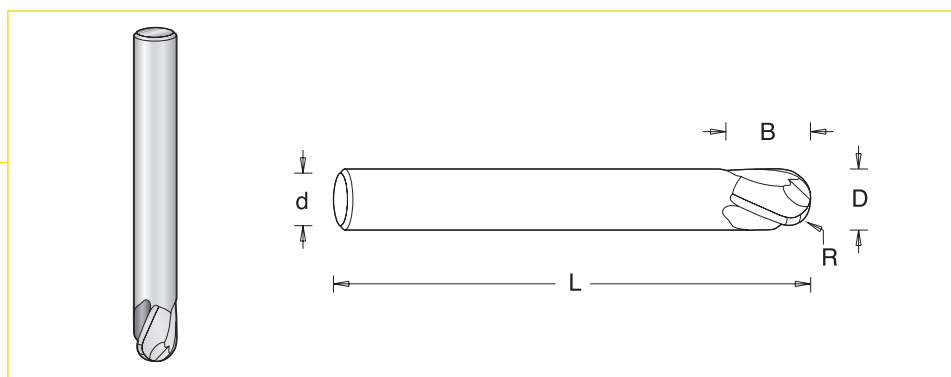
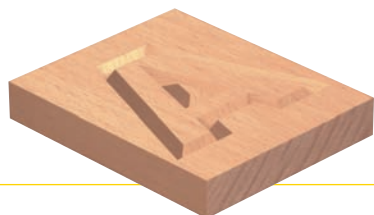
Solid tungsten carbide router cutter complete with one flute. Suitable for producing v-grooves in softwood, hardwood or man-made boards. Tool designed for engraving and sign writing. For use on routers and machining centres with or without CNC control.



øD	a	Product Ref.	B	L	ød
8	60°	IT/S0105 315 5	7	70	8

Solid Carbide Radius Grooving Cutters

Solid tungsten carbide router cutter complete with two flutes. Suitable for producing round-bottomed grooves in softwood, hardwood or man-made boards. Tool designed for engraving and 3D carving. For use on routers and machining centres with or without CNC control.



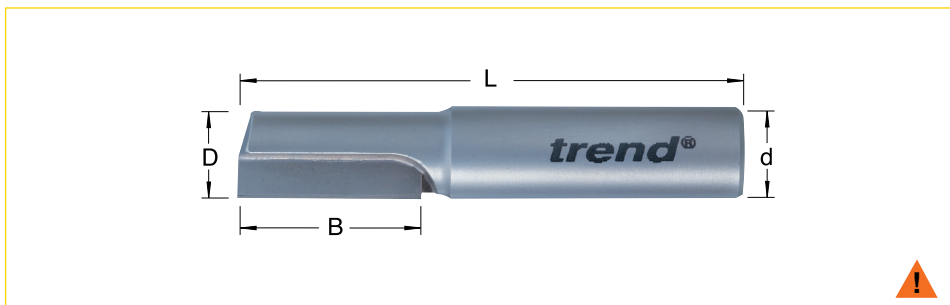
øD	R	Product Ref.	B	L	ød
6	3	IT/S0106 304 3	9	60	6
8	4	IT/S0106 308 5	11	70	8
10	5	IT/S0106 309 7	13	80	10





Diamond Tipped - Polycrystalline Diamond Cutters

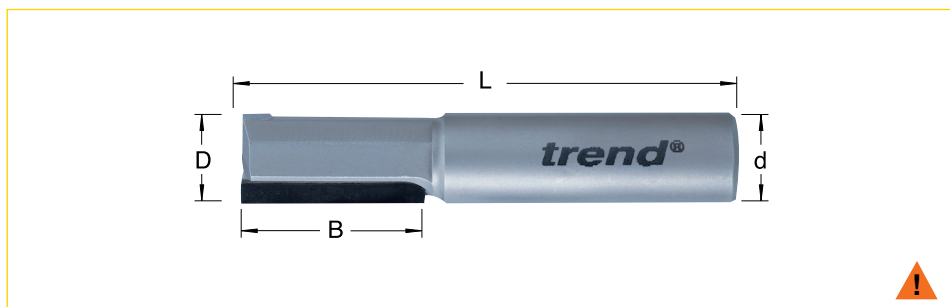
Polycrystalline Diamond (PCD) tipped cutters give a significant increase in tool life compared to TC tooling due to their high wear resistance. PCD also gives an accuracy of cut throughout the tool life and faster feed rates as well as reduced down-time. For use in fixed head, NC or CNC routers only. Use on MDF, HDF, hard natural timber, veneered and laminated particle board, plywood, hardboard and solid laminate.



øD ins.	øD mm	B mm	L mm	Product Ref.	ød
-	12	25	68	PCD/01X12MM▲	12mm
1/2	12.7	25.4	68	PCD/10X1/2▲	1/2"
5/8	15.9	25.4	68	PCD/11X1/2▲	1/2"

Disposable PCD for MDF

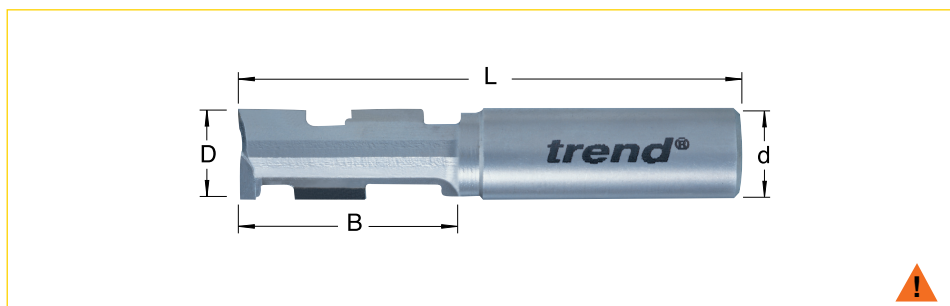
- Single flute with TC plunge tip.
- For MDF, hardboard and solid laminate.
- Single flute prevents edge lines.
- High wear resistance.
- Longer tool life and therefore reduced downtime.
- Cannot be re-sharpened.



øD ins.	øD mm	B mm	L mm	Product Ref.	ød
1/2	12.7	25.4	68	PCD/20X1/2▲	1/2"
5/8	15.9	25.4	68	PCD/21X1/2▲	1/2"
3/4	19.1	25.4	68	PCD/22X1/2▲	1/2"

Serviceable PCD for MDF

- Single flute with TC plunge tip.
- For MDF, hardboard & solid laminate.
- Single flute prevents edge lines.
- Can be serviced for extended life.
- High wear resistance.



øD ins.	øD mm	B mm	L mm	Product Ref.	ød
1/2	12.7	25.4	68	PCD/30X1/2▲	1/2"
5/8	15.9	25.4	68	PCD/31X1/2▲	1/2"
3/4	19.1	25.4	68	PCD/32X1/2▲	1/2"

Serviceable PCD for Chipboard

- Segmented tip with TC plunge tip.
- For laminated/veneered chipboard and plywood.
- Up-cut and down-cut shear to prevent breakout for veneers and laminates.
- Can be serviced for extended life.
- High wear resistance.

▲ All PCD tools:

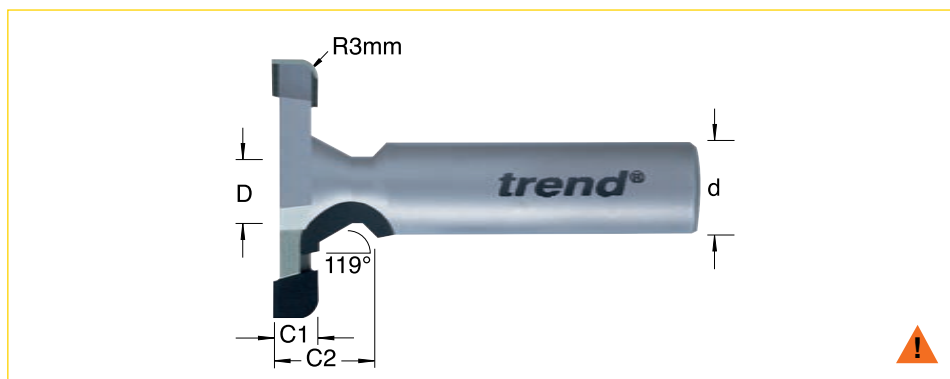
- For fixed head with auto-feed, CNC or NC use only.
- Not for use in any type of hand/portable router.
- 18,000 RPM recommended speed with approximate feed rate of 3 metres per minute.

▲ While stocks last.



Serviceable T-slot

- Segmented tip for MDF.
- High wear resistance.
- Slat wall cutter to accept a plastic extrusion.
- Can be serviced for extended life.



øD ins.	D mm	C1 mm	C2 mm	Product Ref.	ød
30	10.5	7	15	PCD/40X1/2▲	1/2"

▲While stocks last.

Rota-Tip™ - Replaceable Tips

Ideal for use in production applications. Tool body remains in place when changing cutters, thus reducing down-time. Blades have two or four cutting edges, allowing them to be rotated and locked in identical positions. Clear economical advantage over conventional tooling.



Single Blade

- One replaceable Solid Carbide blade.
- For specialist applications requiring low down-time and economy of a replaceable tip.
- The single blade can be rotated 180° to give double the life of a conventional tool.
- The blades are fixed directly onto the tool bodies using Torx® screws and may be replaced without removing the cutter from the router, reducing down-time to a minimum.
- **Refs. RT/11, RT/11M & RT/13** are ideally suited for use with Trend Postform Worktop Jigs.
- ▲ **Ref. RT/15, 16 & 17** are suitable for fixed head machines only.

* Single 29.5mm blade with relieved neck, giving 50mm length of cut compatibility when taking a series of passes.

øD ins.	øD mm	B mm	L mm	Product Ref.	ød
-	12	29.5	76	RT/04X1/2TC	1/2"
1/2	12.7	29.5	76	RT/10X1/2TC	1/2"
1/2	12.7	29.5*	100	RT/11X1/2TC	1/2"
1/2	12.7	29.5*	89	RT/11MX1/2TC	1/2"
1/2	12.7	49.5	100	RT/13X1/2TC	1/2"
-	14	29.5	76	RT/05X1/2TC	1/2"
-	15	29.5	76	RT/06X1/2TC	1/2"
5/8	15.9	29.5	88	RT/18X1/2TC	1/2"
5/8	15.9	49.5	107	RT/12X1/2TC	1/2"
-	16	49.5	90	RT/12MX1/2TC	1/2"
-	16	29.5	88	RT/07X1/2TC	1/2"
-	18	29.5	88	RT/08X1/2TC	1/2"
3/4	19.1	29.5	88	RT/19X1/2TC	1/2"
3/4	19.1	49.5	107	RT/14X1/2TC	1/2"
-	20	29.5	88	RT/16X1/2TC	1/2"
-	22	29.5	88	RT/17X1/2TC	1/2"
7/8	22.2	29.5	76	RT/15X1/2TC	1/2"



Rota-Tip™ - Replaceable Tips Continued

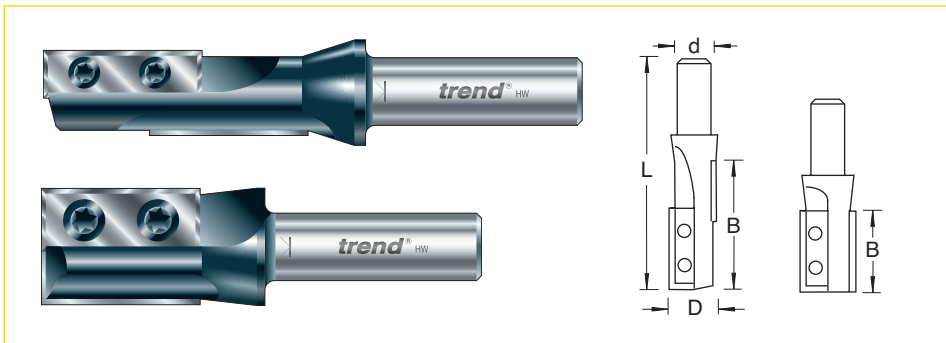


øD ins.	øD mm	B mm	L mm	Product Ref.	ød
-	25.0	29.5	86	RT/40X1/2TC	1/2"
1	25.4	29.5	86	RT/41X1/2TC	1/2"

Single Blade with extra plunge tip

- Single 30mm blade with relieved neck, giving 50mm length of cut compatibility when taking a series of passes.

▲ Suitable for fixed head machines only.

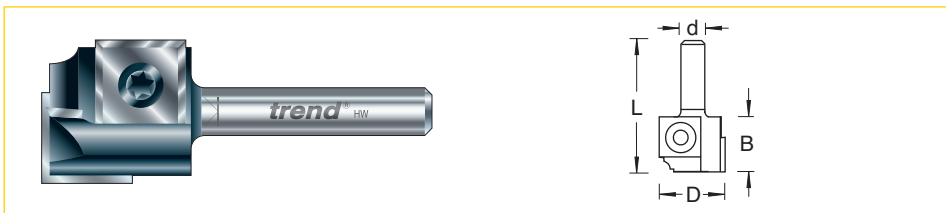


øD ins.	øD mm	B mm	L mm	Product Ref.	ød
5/8	15.9	50	107	RT/21X1/2TC	1/2"
3/4	19.1	50	107	RT/23X1/2TC	1/2"
7/8	22.2	29.5	88	RT/24X1/2TC	1/2"

Two Blades

- Two replaceable Solid Carbide blades.
- Blades can be rotated 180° to give double the life of a conventional tool.
- Refs. RT/21 & RT/23 are used for rough cutting only & have staggered blades.

▲ Ref. RT/24 should be used in fixed head machines only.



øD ins.	øD mm	B mm	L mm	Product Ref.	ød
3/4	19.1	19.1	60	RT/50X1/2TC	1/2"
7/8	22.2	19.1	60	RT/51X1/2TC	1/2"

Two Blades - staggered with plunge tip

- Two replaceable Solid Carbide blades.
- Rotate replaceable blades 180° to give increased life.
- Plunge tool with a TC tip brazed into nose.



øD ins.	øD mm	B mm	Angle	L mm	Rotation	Product Ref.	ød
7/8	22	28	95°	80	RH	RT/323X1/2TC	1/2"
7/8	22	28	95°	80	LH	RT/323X1/2LTC	1/2"

Two Blades - stair housing


- Two replaceable Solid Carbide blades.
- Designed for stair housing machine and jigs.
- Left hand and right hand rotation.



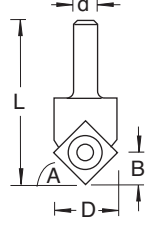
Rota-Tip® - Replaceable Tips Continued

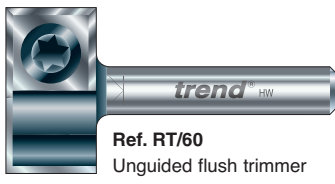
Trimmer & Engraver

- Replaceable Solid Carbide blades.
- For specialist applications requiring reduced down-time and economy of a replaceable tip.
- All other tools have blades that can be rotated in 90° increments giving three extra new edges.
- ▲ Please note: Product Ref. IT/807 301 5 only for use with raised panel router cutter on page 148.

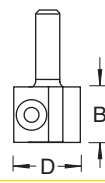


Ref. RT/80
Unguided "V" groove engraver

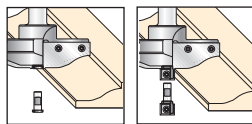




Ref. RT/60
Unguided flush trimmer



A	D mm	B mm	L mm	Product Ref.	ød
90°	22	12	50	RT/60X1/2TC	1/2"
45°	17	8	55	RT/80X1/2TC	1/2"
90°	18	12	31.8	IT/807 301 5	8mm




Spare Parts for Product Ref. IT/807 301 5

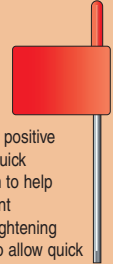
Description	T.C. Blade	Torx® Screw	Torx® Key
Product Ref.	IT/310 121 2	IT/193 148 2	IT/194 101 5
Size	12x12x1.5	M4x5.6	T15

Spare Parts for Rota-tip Replaceable Tip Cutters

⚠ To prevent blade fatigue, ensure tip seating area is free of burrs and resin when changing blades. Do not overtighten fixing screws.

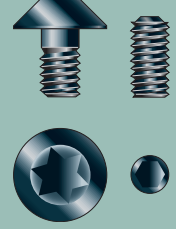


Key



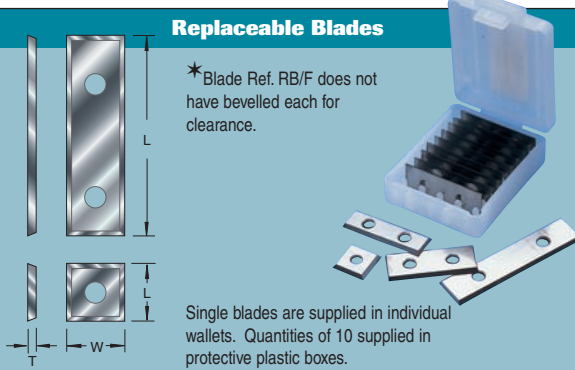
Gives positive and quick action to help prevent overtightening and to allow quick tightening of screw.

Screw



Always use our replacement screws if those supplied with the tool are lost or need replacement.

Replaceable Blades



* Blade Ref. RB/F does not have bevelled each for clearance.

Single blades are supplied in individual wallets. Quantities of 10 supplied in protective plastic boxes.

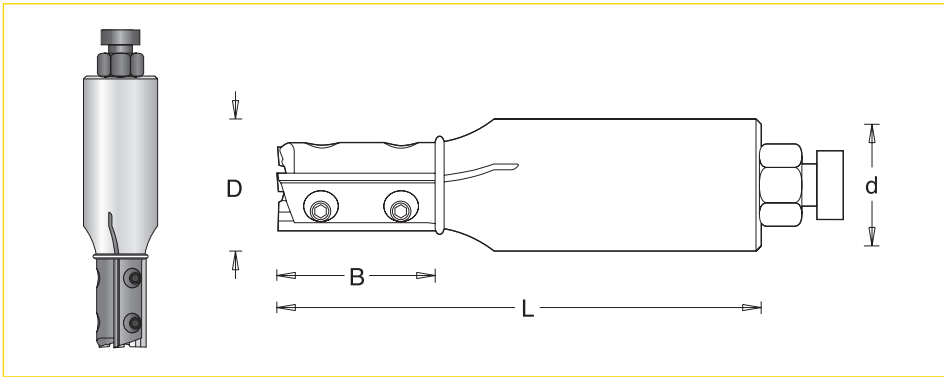
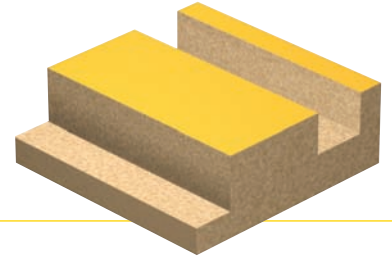
Product Ref.	Key		Screw				Replaceable Blades									
	RT/KEY	RT/KEY/T9	RT/3.0	RT/3.5	SP-46/02D	SP-46/01D	L	RB/A	RB/B	RB/C	RB/D	RB/E	RB/F*	RB/G	RB/H	RB/R
Cutter Ref.	Torx® T15	Torx® T9	M3x4mm dome 5.5mmØ	M3.5x5mm 6.0mm head diameter Torx®	M4 x 5.5mm 8.0mm head diameter Torx®	M3 x 5mm grub screw hex	W	29.5mm	49.5mm	29.5mm	7.5mm	12.0mm	30.0mm	8.4mm	49.5mm	28.0mm
							T	9.0mm	12.0mm	12.0mm	12.0mm	12.0mm	12.0mm	5.6mm	9.0mm	9.0mm
								1.5mm	1.5mm	1.5mm	1.5mm	1.5mm	1.5mm	1.1mm	1.5mm	1.5mm
RT/04, 05, 06, 10-11(M) & 21	●			●			●									
RT/12(M) & 14	●			●			●									
RT/13	●			●										●		
RT/07, 08, 15-19	●			●					●							
RT/23 & 24	●		●						●							
RT/30, 31 & 32	●		●								●					
RT/40 & 41	●		●†	●*						●	●					
RT/50, 51 & 60	●			●							●					
RT/80	●										●					
RT/323		●	●	●												●

* for RB/D † for RB/C
RB/R not available in packs of ten.



Disposable Insert Straight Router Cutters

Disposable insert straight router cutter complete with a various number of flutes. Suitable for grooving, rebating and sizing in man-made boards (with or without coating). Replaceable inserts ensure a constant cutting diameter and finish quality. For use on routers and machining centres with CNC control. These cutters are not suitable for plunge cutting.



$\varnothing D$	Product Ref.	B	No. of blades	L	$\varnothing d$	n
10	IT/807 105 9* +	20	1	71.5	12	18,000
12	IT/807 111 9** +	30	2	81.0	12	18,000
16	IT/807 115 0 +	30	2	81.0	16	18,000
16	IT/807 116 0 +	50	2	101.0	16	18,000
18	IT/807 120 0	30	3	81.5	18	18,000
18	IT/807 120 H	30	3	81.5	25	18,000
18	IT/807 121 0	50	3	101.5	20	18,000
18	IT/807 121 0L ▲	50	3	101.5	20	18,000
18	IT/807 121 H	50	3	101.5	25	18,000
18	IT/807 121 HL ▲	50	3	101.5	25	18,000
20	IT/807 123 0	30	3	81.5	20	18,000
20	IT/807 125 0	50	3	101.5	20	18,000
20	IT/807 125 H	50	3	101.5	25	18,000
20	IT/807 125 HL ▲	50	3	101.5	25	18,000

▲ L=Left Hand Rotation.

+ Cutters do not have screw adjuster.

Spare Parts

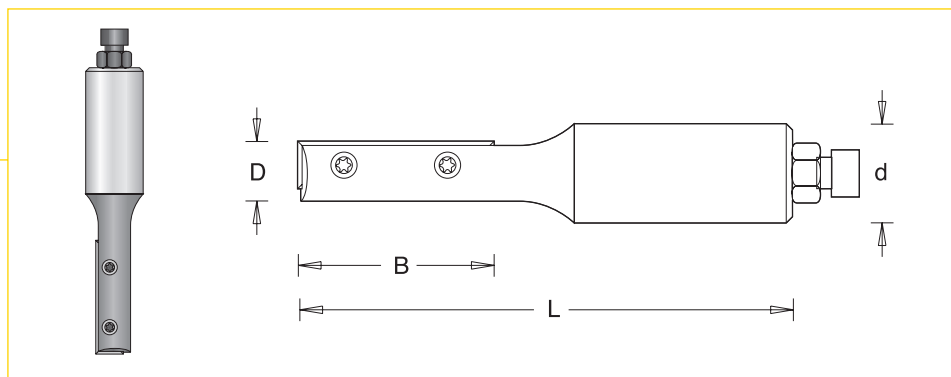
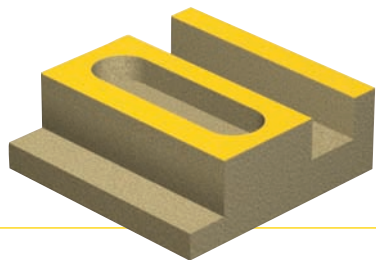
Description	T.C. Blade			Hex Screw*	Hex Screw**	Hex Screw	Hex Key
Product Ref.	IT/310 751 0/10	IT/310 751 1/10	IT/310 751 3/10	IT/193 035 0	IT/193 036 0	IT/193 037 0	IT/194 102 0
Size	20x5.5x1.1 (B = 20)	30x5.5x1.1 (B = 30)	50x5.5x1.1 (B = 50)	M3x4	M3x5	M3x7	S1.5

Blades sold in packs of ten.



Disposable Insert Straight Router Cutters

Disposable insert straight router cutter complete with one flute. Suitable for grooving, rebating and sizing in man-made boards (with or without coating). Replaceable inserts ensure a constant cutting diameter and finish quality. For use on routers and machining centres with CNC control.









$\varnothing D$	Product Ref.	B	Spare Blade No.	L	$\varnothing d$	n
12	IT/107 350 0	30	1	105	20x55	18,000
14	IT/107 354 0	30	1	105	20x55	18,000
14	IT/107 353 0	50	3	125	20x55	18,000
15	IT/107 355 0	30	1	105	20x55	18,000
15	IT/107 356 0	50	3	125	20x55	18,000
16	IT/107 358 0	30	2	105	20x55	18,000
16	IT/107 360 0	50	4	125	20x55	18,000

⚠ Also available with 25mm diameter shank, replace the last digit with an 'H'.



Spare Parts

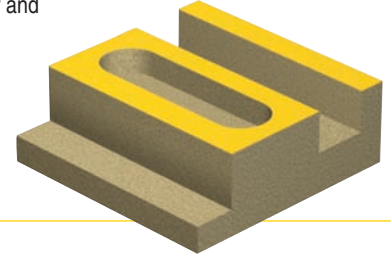
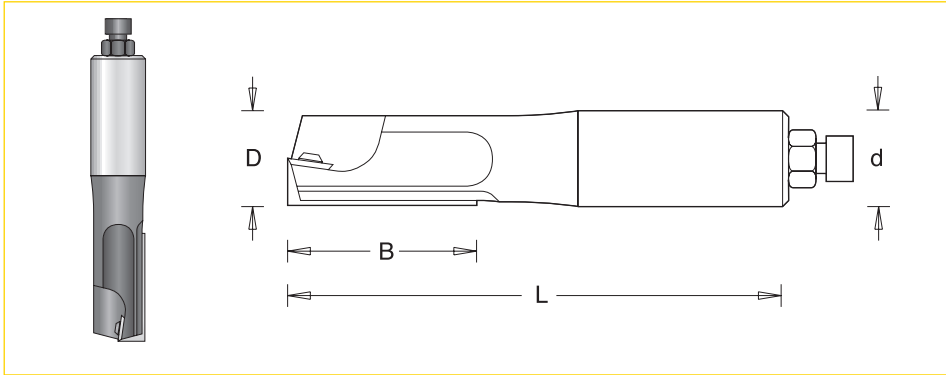
						
Description	T.C. Blade 1	T.C. Blade 2	T.C. Blade 3	T.C. Blade 4	Torx® Screw	Torx® Key
Product Ref.	IT/310 793 0/10	IT/310 723 0/10	IT/300 752 0/10	IT/310 725 0/10	IT/193 354 8	IT/194 101 5
Size	30x9x1.5	30x12x1.5	50x9x1.5	50x12x1.5	M3.5x4.8	T15

Blades sold in packs of ten.



Disposable Insert Straight Router Cutters with Plunge Centre Tip

Disposable insert straight router cutter complete with one flute and centre tip. Suitable for grooving, rebating and sizing in man-made boards (with or without coating). Replaceable inserts ensure a constant cutting diameter and finish quality. Centre tip for improved boring. For use on routers and machining centres with CNC control.



$\varnothing D$	Product Ref.	B	L	$\varnothing d$	n
16	IT/107 373 0 *	30	105	20x55	18,000
16	IT/107 374 0 *	50	125	20x55	18,000
18	IT/107 375 0	30	105	20x55	18,000
18	IT/107 376 0	50	125	20x55	18,000
20	IT/107 377 0	30	105	20x55	18,000
20	IT/107 398 0	50	125	20x55	18,000
25	IT/107 378 0	30	105	20x55	18,000
25	IT/107 399 0	50	125	20x55	18,000

! * Brazed centre tip. Also available with 25mm diameter shank, replace the last digit with an 'H'.

Spare Parts

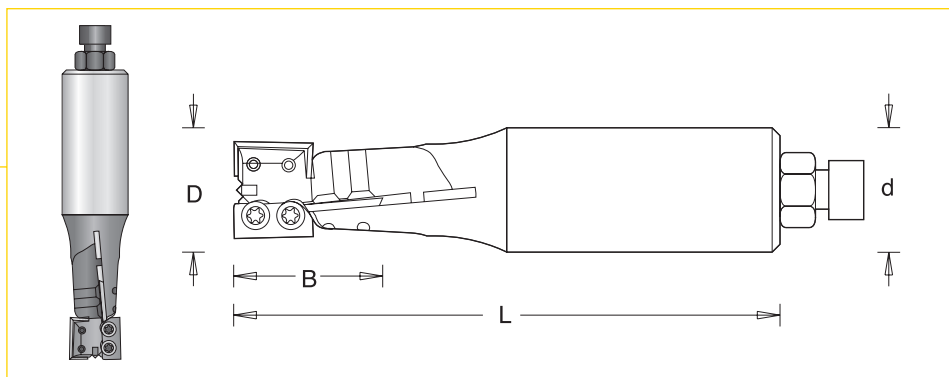
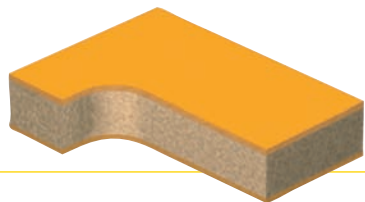
Desc.	T.C. Blade		T.C. Blade (B = 30)			T.C. Blade (B = 50)		
Prod. Ref.	IT/310 723 0/10 (B = 30)	IT/310 725 0/10 (B = 50)	IT/310 752 6/10 (D = 18)	IT/310 752 6/10 (D = 20)	IT/310 752 3/10 (D = 25)	IT/310 752 3/10 (D = 18)	IT/310 751 2/10 (D = 20)	IT/310 751 2/10 (D = 25)
Size	30x12x1.5	50x12x1.5	7.5x12x1.5	7.5x12x1.5	7.5x12x1.5	7.5x12x1.5	7.5x12x1.5	7.5x12x1.5
Desc.	Torx® Screw		Torx® Key					
Prod. Ref.	IT/193 395 0	IT/193 354 8	IT/194 101 5					
Size	M4x6	M3.5x4.8	T15					

Blades sold in packs of ten.



Disposable Insert Up & Down Shear Router Cutters

Disposable insert straight router cutter complete with two up and down shear flutes and centre tip. Shear flutes squeeze the material into the middle to give an extra fine finish on both surfaces of laminated and veneered board. Replaceable inserts ensure a constant cutting diameter and finish quality. Centre tip for improved boring. For use on routers with CNC control.



$\varnothing D$	Product Ref.	B	Spare Blade No.	L	$\varnothing d$	n
20	IT/807 320 0	30	1	110	20x55	18,000
20	IT/807 322 0	50	2	130	20x55	18,000

⚠ Also available with 25mm diameter shank, replace the last digit with an 'H'.

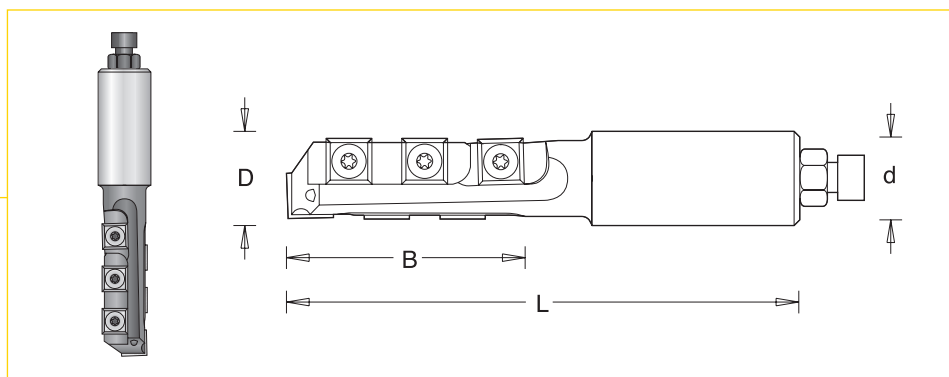
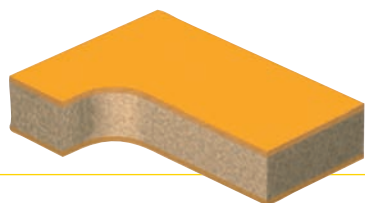
Spare Parts

Description	(1) T.C. Blade	(2)	Torx® Screw	Torx® Key
Product Ref.	IT/300 771 6/10	IT/300 772 8/10	IT/193 400 0	IT/194 110 0
Size	16x7x1.5	28x7x1.5	M3x4	T9

Blades sold in pairs of ten.

Disposable Insert Up & Down Shear Router Cutters

Disposable insert straight router cutter complete with two flutes and multiple cutting blades. Blades are sheared up and down to ensure a good finish on both top and bottom surfaces of laminated and veneered boards. For use on routers and machining centres with CNC control.



$\varnothing D$	Product Ref.	B	L	$\varnothing d$	n
22	IT/807 310 0	42	115	20x55mm	18,000
22	IT/807 315 0	62	135	20x55mm	18,000

⚠ Also available with 25mm diameter shank, replace the last digit with an 'H'.

Spare Parts

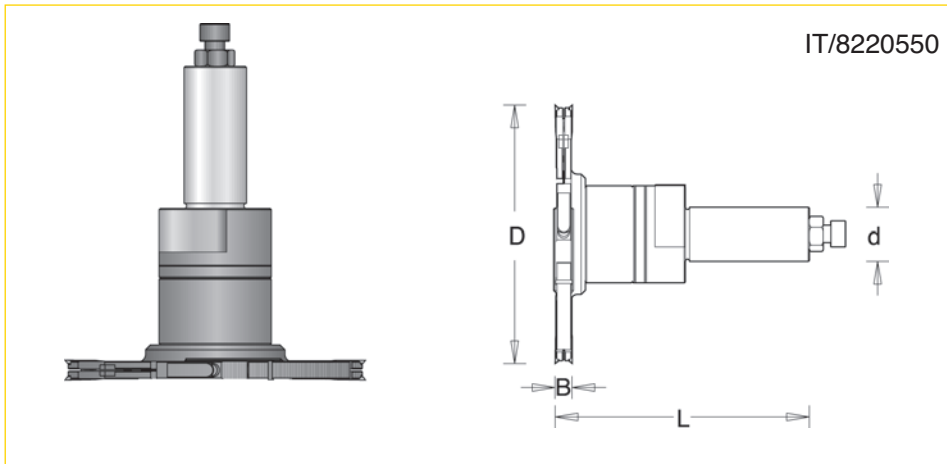
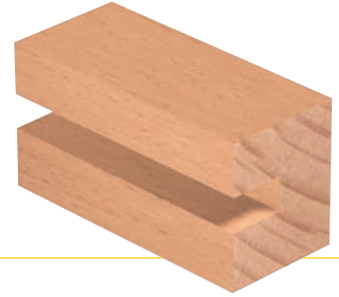
Description	T.C. Blade	Torx® Screw	Torx® Key
Product Ref.	IT/310 121 2/10	IT/193 395 0	IT/194 101 5
Size	12x12x1.5	M4x6	T15

Blades sold in packs of ten.



Disposable Insert Adjustable Grooving Cutter (4-15.5mm)

Hard wearing steel body complete with disposable tungsten carbide knives and scorers for improved finish. Suitable for producing various thickness grooves and slots in softwood, hardwood and man-made boards (with or without coating). Cutting width can be adjusted in 0.1 mm steps by using supplied spacer rings. Replaceable inserts ensure a constant cutting diameter and finish quality. For use on routers and machining centres with CNC control.



øD	Product Ref.	B	L	ød	n
120	IT/822 055 0	4-15.5	139	20	12,000
120	IT/822 055 H	4-15.5	139	25	12,000

Spare Parts

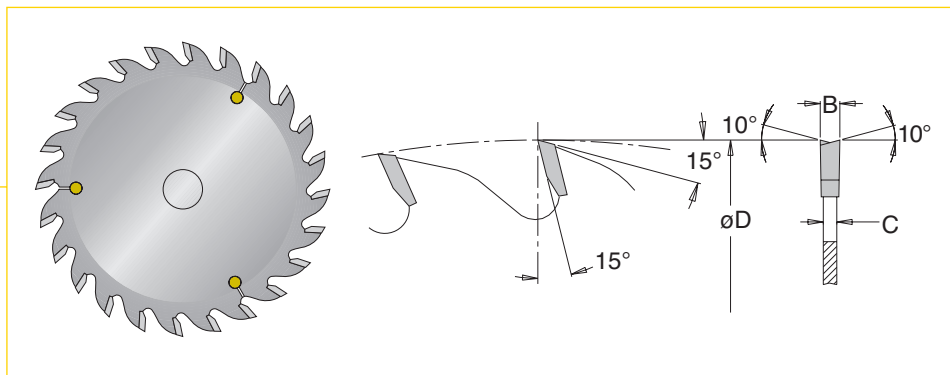
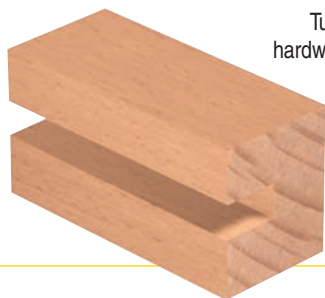
Desc.	T.C. Blade	Wedge	Set Screw	T.C. Blade	T.C. Blade	T.C. Blade Nut	Torx® Screw	Washer Set	
Prod. Ref.	IT/310 751 2/10	IT/199 031 0	IT/193 060 0	IT/300 850 1/10	IT/300 850 2/10	IT/192 350 0	IT/192 360 0	IT/193 028 0	IT/192 619 0
Size	7.5x12x1.5	L=6.5	M5x16	18x18x2	14x14x1.2	M4x0.5x11.1	M4x0.5x9.90	M4x3.2	B=8.1
Desc.	Arbor	Arbor Screw	Hex Key	Torx® Key	Setting Gauge				
Prod. Ref.	IT/190 820 0	IT/193 608 0	IT/194 008 0	IT/1940150	IT/194 110 0	IT/760 1025			
Size	L=127x20mm	M5x20	S2.5	S4	T9	0.25mm			
	IT/190 820 H								
	L=127x25mm								

Blades sold in packs of ten.



Sawblades for Cutting & Grooving

Tungsten carbide tipped alternate bevel saw blades for cutting and grooving along and across the grain on softwoods, hardwoods and man-made boards (with or without coating). For use on routers and machining centres with CNC Control.

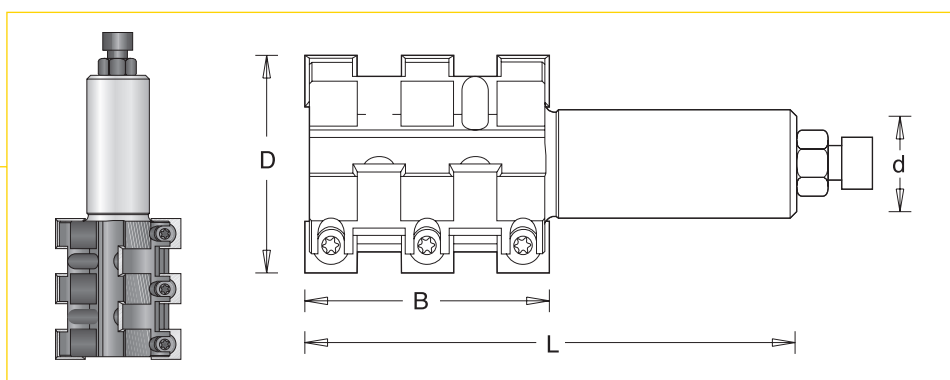
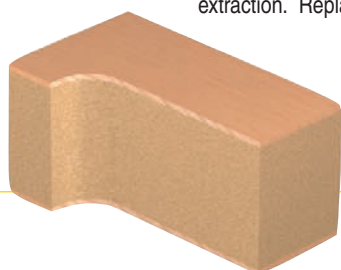


øD	B	Product Ref.	Teeth	C	ød	Pin Holes
125	3	IT/9010 210 4	24	2.0	22	-
125	4	IT/9010 215 4	24	2.8	22	-
125	5	IT/9010 216 4	24	3.5	22	-
150	3	IT/9010 220 3	24	2.0	20	1/6/46
150	4	IT/9010 223 3	24	2.8	20	1/6/46
150	5	IT/9010 224 3	24	3.5	20	1/6/46
180	3	IT/9010 230 3	30	2.0	20	1/6/46
180	4	IT/9010 231 3	30	2.8	20	1/6/46
180	5	IT/9010 233 3	30	3.5	20	1/6/46

⚠ Other bore sizes and pin holes available on request. Please ask for details of our mounting flanges.

Disposable Insert Rough Rebating Router Cutters

Disposable insert straight router cutter with multiple cutting flutes. Suitable for rough rebating and sizing in softwoods, hardwoods and man-made boards (with or without coating). Multiple cutting flutes ensure fine chips are produced for improved waste extraction. Replaceable inserts ensure a constant cutting diameter. For use on routers and machining centres with CNC control.



øD	Product Ref.	No. of blades.	B	L	ød	n
50	IT/807 350 0	10	56	113	20x55	18,000
50	IT/807 355 0	14	78	135	20x55	18,000

Spare Parts

⚠ Also available with 25mm diameter shank, replace the last digit with an 'H'.

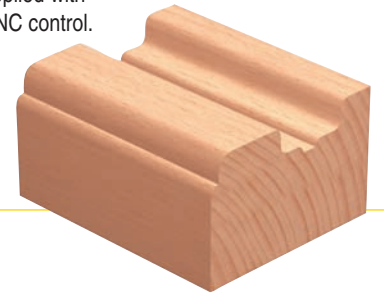
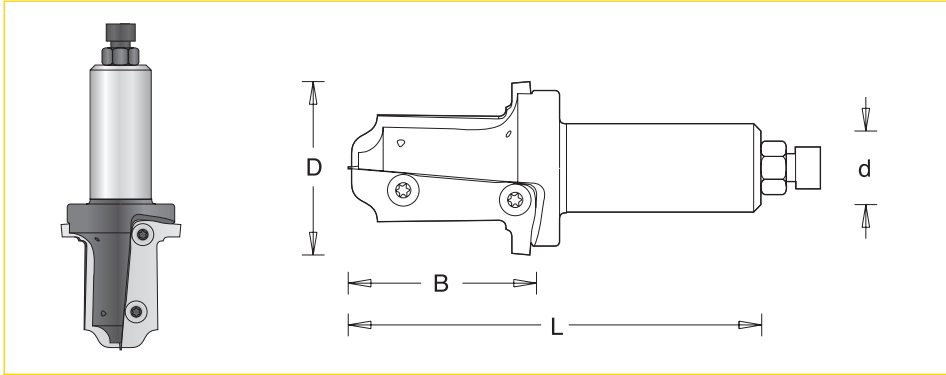
Description	T.C. Blade	Torx® Screw	Torx® Key
Product Ref.	IT/310 121 2/10	IT/193 148 2	IT/194 101 5
Size	12x12x1.5	M4x5.6	T15

Blades sold in packs of ten.



Multi Purpose Profile Router Cutters

Disposable insert straight router cutter with two cutting flutes. Suitable for profiling in softwoods, hardwoods and man made board (with or without coating). Tool will be supplied with standard inserts (profile 1 or 2), or can be supplied with special inserts, ground to the customer's own specification. For use on routers and machining centres with CNC control.



øD	B	Product Ref.	Profile	L	ød	n
50	60	Special *	Special	120	20x55	18,000
50	60	IT/853 011 0	1	120	20x55	18,000
50	60	IT/853 012 0	2	120	20x55	18,000

⚠ Also available with 25mm diameter shank, replace the last digit with an 'H'.

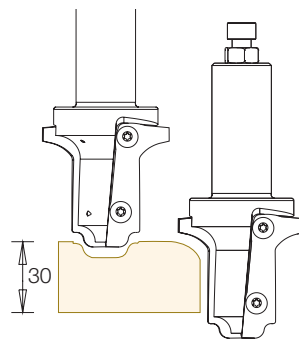
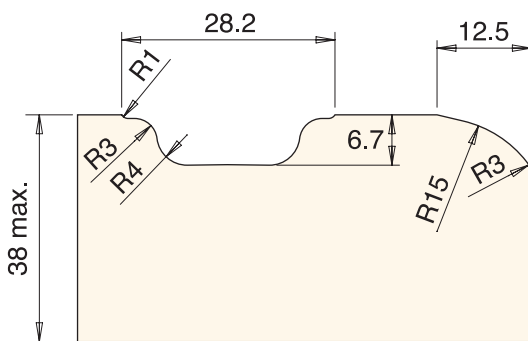
*Please contact our technical department on 01923 224681 for price & delivery on special profiles.

Spare Parts

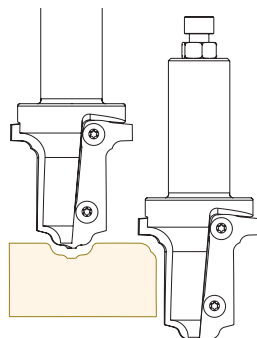
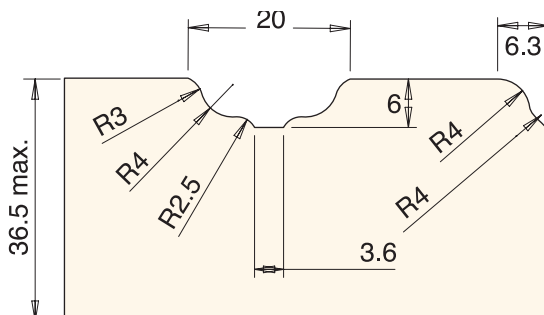
Description	T.C. Blade Profile 1	T.C. Blade Profile 2	Torx® Screw	Torx® Key
Product Ref.	IT/315 300 1	IT/315 300 2	IT/193 395 0	IT/194 106 0
Size	54x20x2	54x20x2	M4x8	T20

Blades sold in singles.

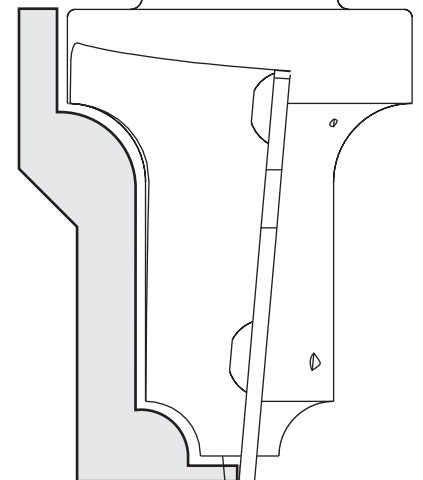
Profile 1



Profile 2



The router bit can be supplied with standard profiles or with knives ground according to customer specification that fit into the shaded area.

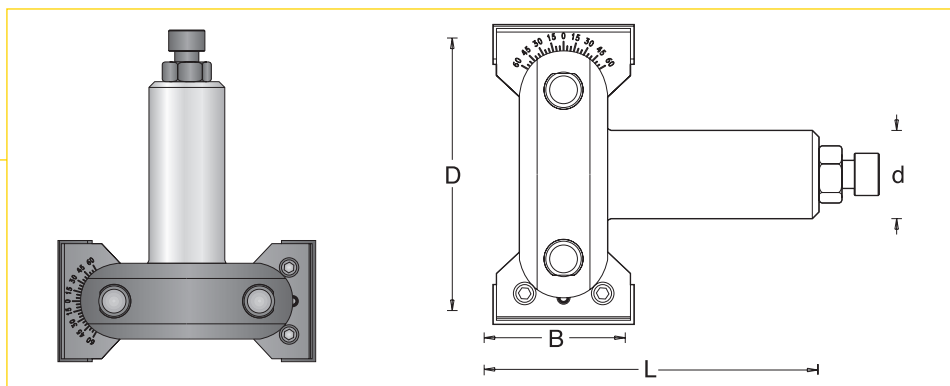
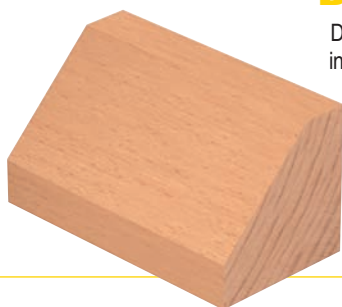


Scale 1:1








Disposable Insert Adjustable Chamfer Router Cutter

Disposable insert router cutter complete with two cutting flutes. Suitable for producing chamfer cuts at various angles in softwood, hardwood and man-made boards. Cutting angle can be adjusted in 7.5° steps by using a notched scale. Fine adjustment of 1° is also possible. For use on routers and machining centres with CNC control.

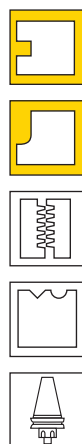


$\varnothing D$	a	Product Ref.	B	L	$\varnothing d$	n
85	-45° → +90°	IT/854 001 1	40	100	20	12,000
85	-45° → +90°	IT/854 001 0	40	100	25	12,000

Spare Parts

Description	 T.C. Blade	 Wedge	 Locking Wedge	 Set Screw	 Hex Key		
Product Ref.	IT/300 052 8/10	IT/199 082 0	IT/199 403 1	IT/193 049 4	IT/193 026 5	IT/194 003 5	IT/194 003 6
Size	40x12x1.5	L=38	25x12	M6x8	M5x16	S3	S4

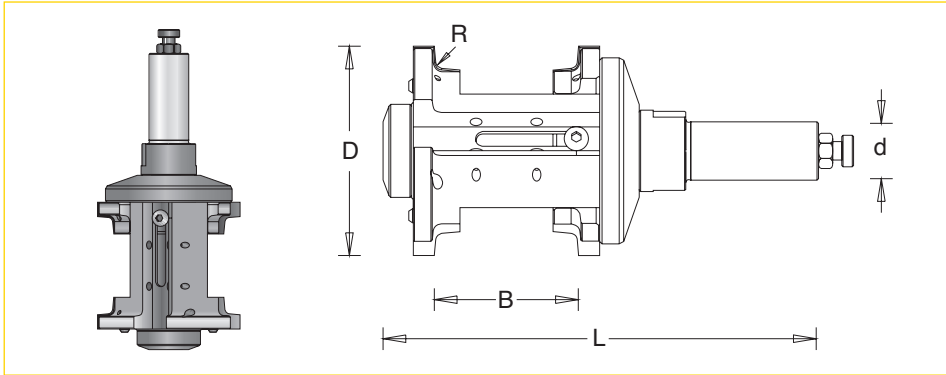
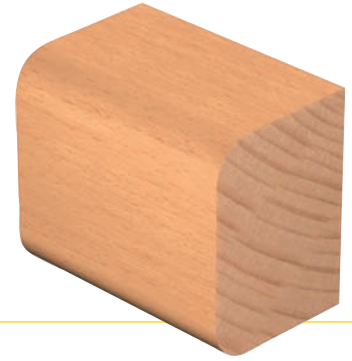
Blades sold in packs of ten.





Disposable Insert Rounding and Chamfering Router Cutter Sets

Disposable insert router cutter suitable for rounding over and/or chamfering various thicknesses of softwood, hardwood or man-made boards. For use on routers and machining centres with CNC control.



øD	R	Product Ref.	B	L	ød	n
90	3	IT/852 413 0	18-58	186	20x55	10,000
90	4	IT/852 414 0	18-58	186	20x55	10,000
90	5	IT/852 415 0	18-58	186	20x55	10,000
90	6	IT/852 416 0	18-58	186	20x55	10,000
90	8	IT/852 418 0	20-60	186	20x55	10,000
90	10	IT/852 420 0	22-62	186	20x55	10,000
90	45°	IT/852 421 0	12-62	186	20x55	10,000
Complete Set	3-10 & 45°	IT/852 410 0	12-62	186	20x55	10,000

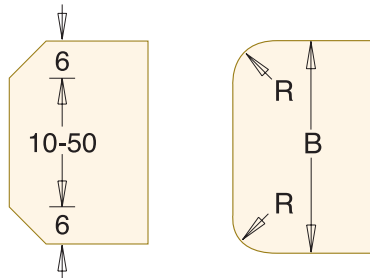
! Also available with 25mm diameter shank, replace the last digit with an 'H'.

! No shims are required to adjust the depth of cut.

Spare Parts

Description	* T.C. Blade						
Radius	R3	R4	R5	R6	R8	R10	45°
Product Ref. Top	IT/310 896 3	IT/310 896 4	IT/310 896 5	IT/310 896 6	IT/310 896 8	IT/310 897 0	IT/310 300 1
Product Ref. Bottom	IT/310 896 3L	IT/310 896 4L	IT/310 896 5L	IT/310 896 6L	IT/310 896 8L	IT/310 897 0L	IT/310 300 1L
Description	**						
Product Ref.	IT/300 053 1/10	IT/193 395 0	IT/190 810 0	IT/193 608 0	IT/193 076 0	IT/194 003 6	IT/194 101 5
Size	60x12x1.5	M4x6	L=186x20mm	M5x20	M4x12	S4	T15
Description							
Product Ref.	IT/199 715 0						
Size	-						

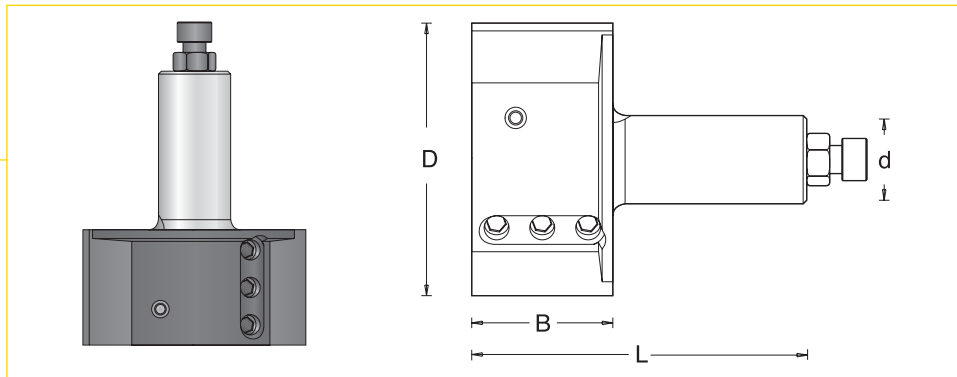
* Blades sold in singles. ** Blades sold in packs of ten.





Disposable Insert Multi Profile Router Cutter

Disposable insert profile router cutter with two cutting flutes. Suitable for profiling in softwoods, hardwoods and man-made boards (with or without coating). Tool will be supplied with special inserts and backing plates ground to the customer's own specification. For use on routers and machining centres with CNC control.

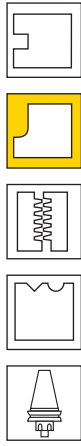


øD	Product Ref.	B	L	ød	n
80	Special *	40	100	20	18,000
80	Special *	40	100	25	18,000

Spare Parts

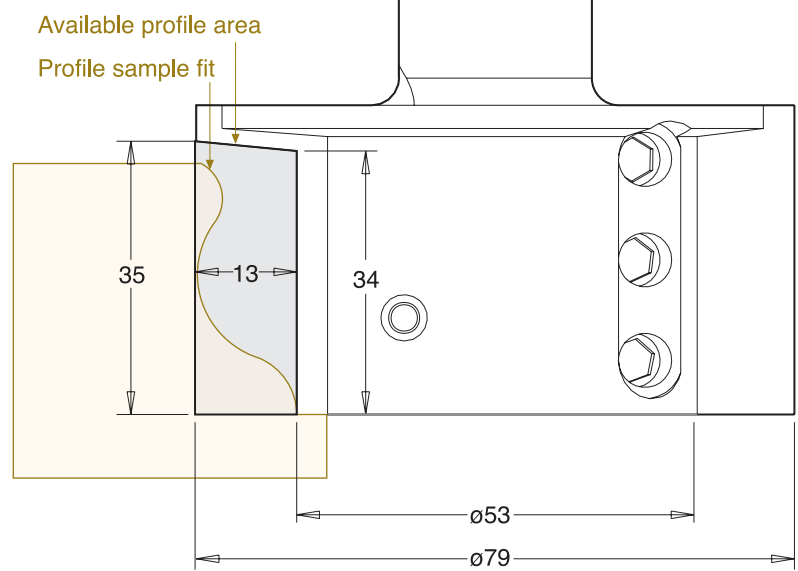
Description	Special	Wedge	Support Plate	Set Screw	Hex Key
Product Ref.	Profile	IT/199 022 0	IT/199 110 0	IT/193 026 6	IT/194 003 6
Size		40x13.5x8	40x26x4	M8x12	S4

*Please contact our technical department on 01923 224681 for price & delivery on special profiles.



The router will be supplied with knives ground according to customer specification that fit into the shaded area.

For every new profile, 2 supporting plates need to be ordered.

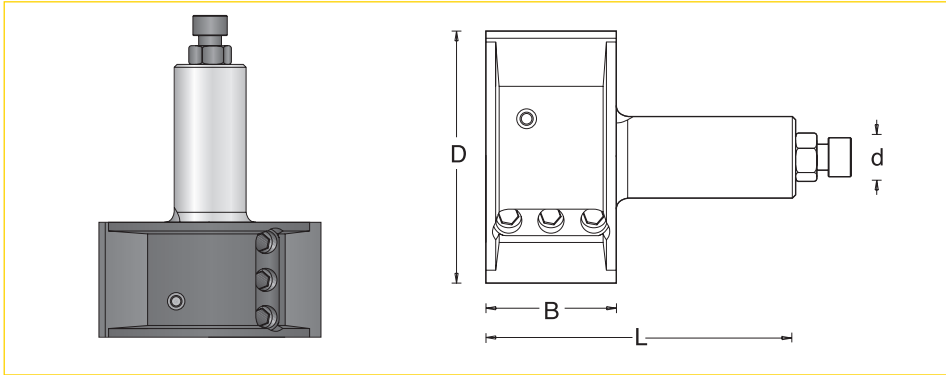


Scale 1:1



Disposable Insert Multi Profile Router Cutter

Disposable insert profile router cutter with two cutting flutes. Suitable for profiling in softwoods, hardwoods and man-made boards (with or without coating). Tool will be supplied with special inserts and backing plates ground to the customer's own specification. For use on routers and machining centres with CNC control.



$\varnothing D$	Product Ref.	B	L	$\varnothing d$	n
80	Special *	40	100	20	18,000
80	Special *	40	100	25	18,000

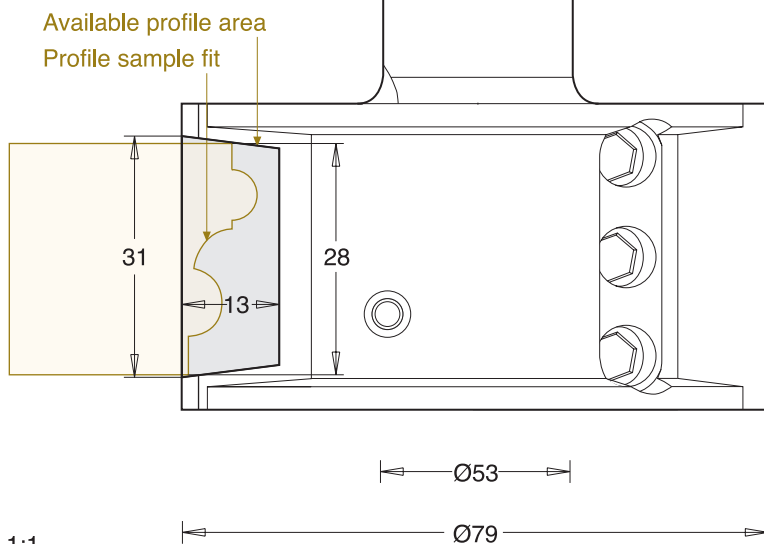
Spare Parts

Description	Special	Wedge	Support Plate	Set Screw	Hex Key
Product Ref.	Profile	IT/199 022 0	IT/199 110 0	IT/193 026 6	IT/194 003 6
Size		40x13.5x8	40x26x4	M8x12	S4

*Please contact our technical department on 01923 224681 for price & delivery on special profiles.

The router will be supplied with knives ground according to customer specification that fit into the shaded area.

For every new profile, 2 supporting plates need to be ordered.

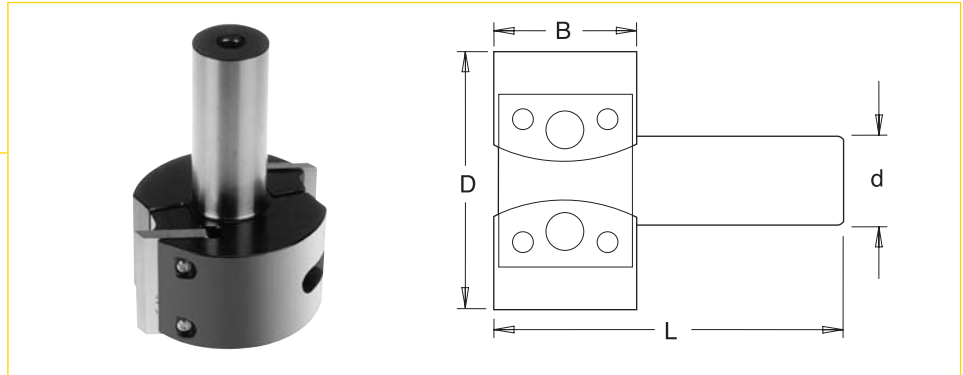


Scale 1:1



Multi Profile System for CNC

Multi profile cutter to take the complete range of 40 x 4 and 50 x 4 mm knives shown on pages 70 to 101. Suitable for profiling in softwoods, hardwoods and man-made boards (TCT knives only) on routers and machining centres with CNC control.

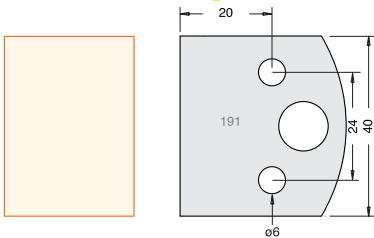


øD	Product Ref.	B	L	ød	n
66	IT/871 006 1	40/50	90	20	12,000
66	IT/871 006 0	40/50	90	25	12,000

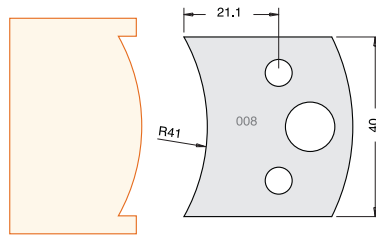
Spare Parts

Description	Rebate Knife	Wedge	Set Screw	Hex Key
Product Ref.	IT/331 914 0	IT/199 801 0	IT/193 026 6	IT/194 003 6
Size	40x20x4	L=38	M8x12	S4

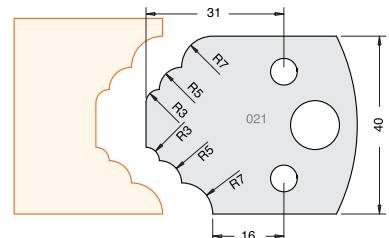
Profile Examples:



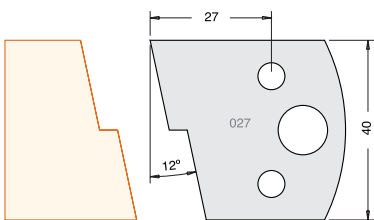
Kn IT/33 191 40
Li IT/34 191 40



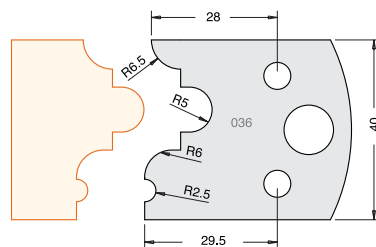
Kn IT/33 008 40
Li IT/34 008 40



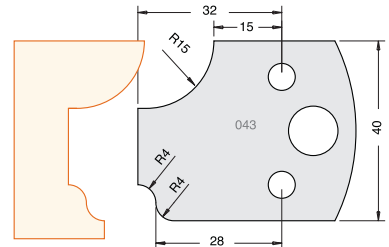
Kn IT/33 021 40
Li IT/34 021 40



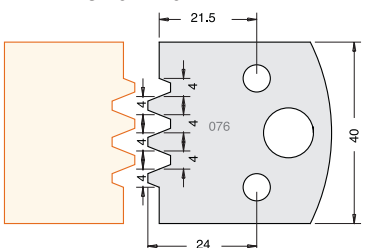
Kn IT/33 027 40
Li IT/34 027 40



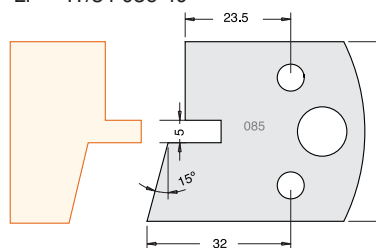
Kn IT/33 036 40
Li IT/34 036 40



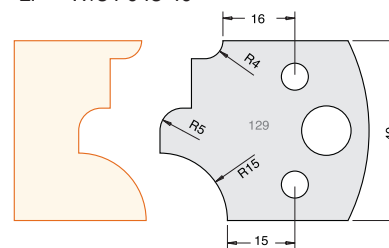
Kn IT/33 043 40
Li IT/34 043 40



Kn IT/33 076 40
Li IT/34 076 40



Kn IT/33 085 40
Li IT/34 085 40



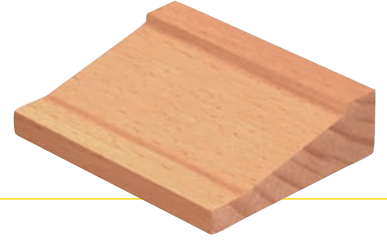
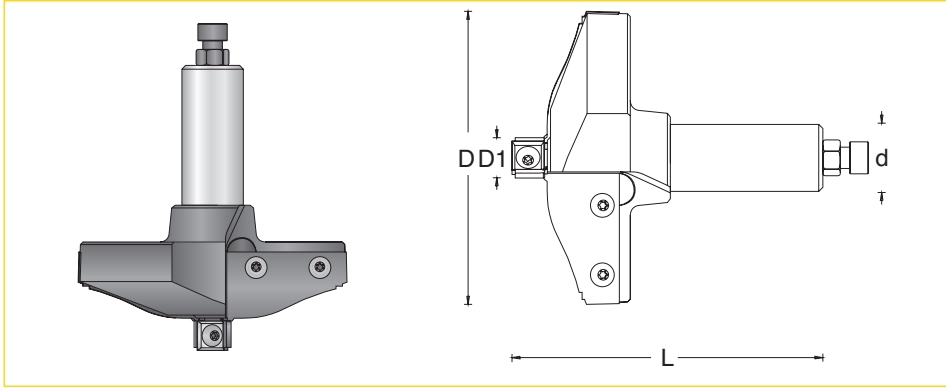
Kn IT/33 129 40
Li IT/34 129 40

For the full range of available knives and limitors see pages 78 - 101.

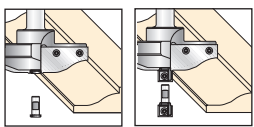


Disposable Insert Multi Profile Raised Panel Router Cutters

Disposable insert profile router cutter with two cutting flutes. Suitable for producing various raised panel profiles in softwoods, hardwoods and man made boards. Tool can be supplied complete with a small trimmer for machining the edge of the panel. One cutter will take all eight different profiles. For use on routers and machining centres with CNC control.








øD	Product Ref.	Profile No.	L	ød	n
112	IT/822 031 0*	1	110	20	12,000
112	IT/822 032 0*	2	110	20	12,000
112	IT/822 033 0*	3	110	20	12,000
112	IT/822 034 0*	4	110	20	12,000
112	IT/822 035 0*	5	110	20	12,000
112	IT/822 036 0*	6	110	20	12,000
112	IT/822 037 0*	7	110	20	12,000
112	IT/822 038 0*	8	110	20	12,000

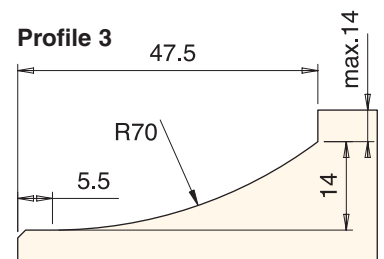
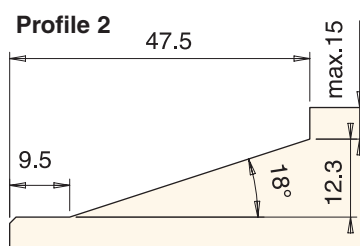
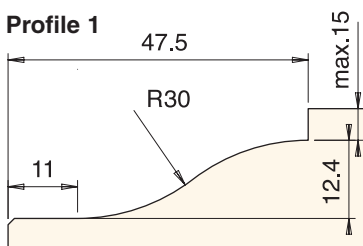


⚠ Also available with 25mm diameter shank, replace the last digit with an 'H'.

⚠ Cutter can also be supplied with an 18mm (D1) diameter trimmer, Product Ref. IT/807 301 5. See page 135 for full details. * Without trimmer.

Spare Parts

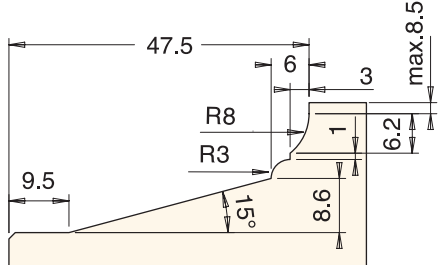
Desc.	 T.C. Blade							
Product Ref.	IT/352 220 1 Profile 1	IT/352 220 2 Profile 2	IT/352 220 3 Profile 3	IT/352 220 4 Profile 4	IT/352 220 5 Profile 5	IT/352 220 6 Profile 6	IT/352 220 7 Profile 7	IT/352 220 8 Profile 8
Size	50x30.5x2	50x30.5x2	50x30.5x2	50x30.5x2	50x30.5x2	50x30.5x2	50x30.5x2	50x30.5x2
Desc.	 Torx® Screw	 Torx® Key	 Hex Screw	 Hex Key	Blades sold in singles			
Product Ref.	IT/193 148 1	IT/194 101 5	IT/193 039 5	IT/194 020 0				
Size	M4x5.6	T15	M4x5	S2				



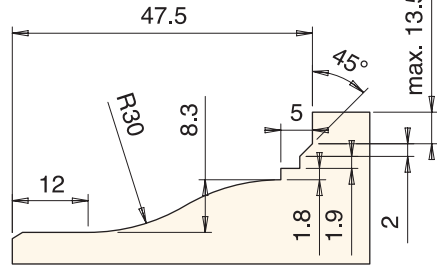


Disposable Insert Multi Profile Raised Panel Router Cutters

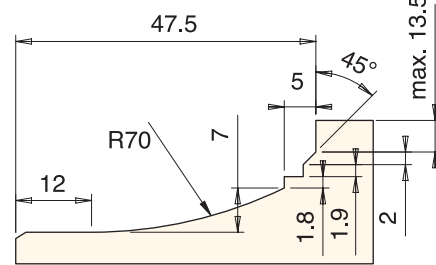
Profile 4



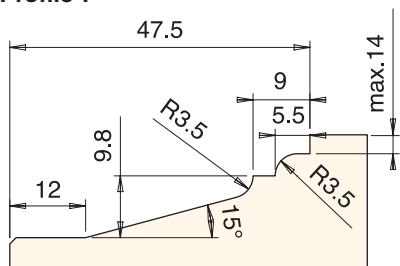
Profile 5



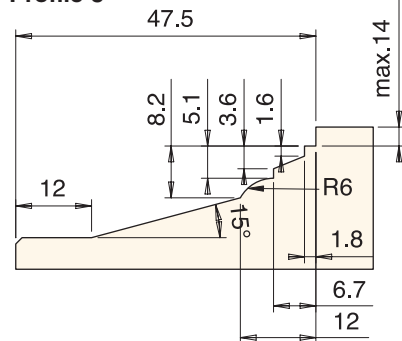
Profile 6



Profile 7

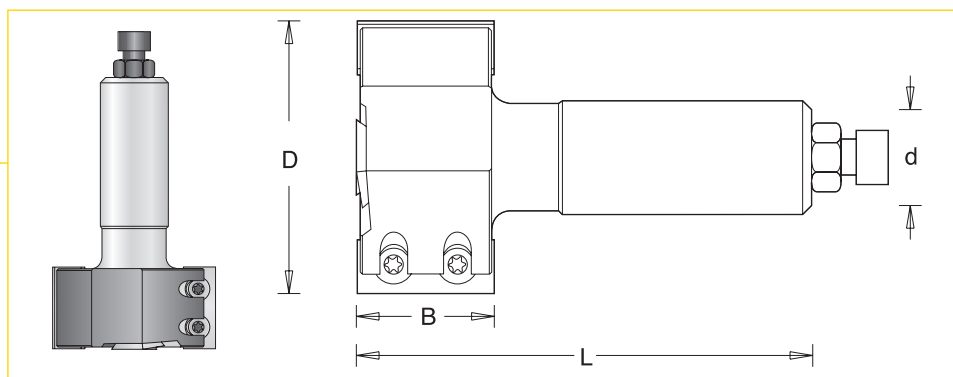
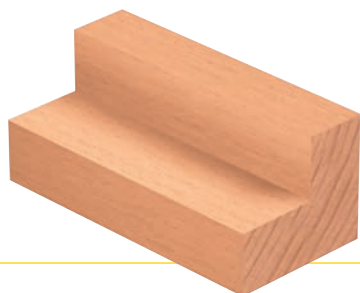


Profile 8



Disposable Insert Straight Rebating Cutters with Scorers Z2/V2

Disposable insert rebating router cutter complete with two cutting flutes and scorers. Suitable for trimming and rebating in softwoods, hardwoods and man made boards. Scorers will give an improved finish at the bottom of the cut. For use on routers and machining centres with CNC control.



øD	Product Ref.	B	L	ød	n
40	IT/807 330 0	30	100	20x55	18,000
40	IT/807 332 0	50	120	20x55	18,000
60	IT/807 335 0	30	100	20x55	18,000
60	IT/807 337 0	50	120	20x55	18,000

⚠ Also available with 25mm diameter shank, replace the last digit with an 'H'.

Spare Parts

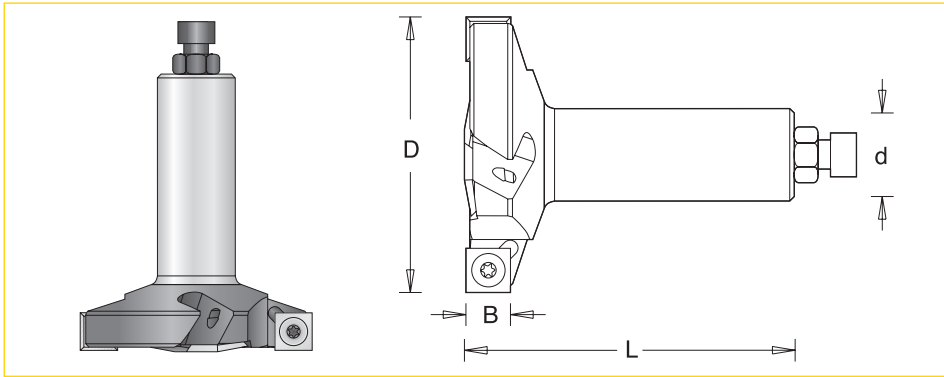
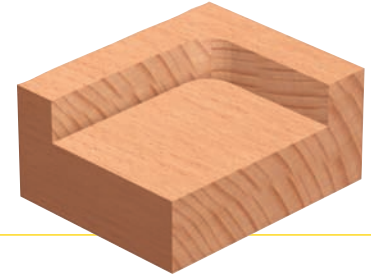
Description	T.C. Blade		Torx® Screw		Torx® Key	
Product Ref.	IT/310 123 0/10	IT/310 125 0/10	IT/300 850 3/10	IT/193 148 1	IT/193 370 0	IT/194 101 5
Size	30x12x1.5	50x12x1.5	14x14x2	M4x5.6	M5x6.3	T15

Blades sold in packs of ten.



Disposable Insert Planing & Rebating Router Cutter Z2/V2

Disposable insert planing and rebating router cutter complete with cutting flutes and scorers. Suitable for planing and rebating in softwoods, hardwoods and man-made boards. A good tool for fast removal of material over a large surface area. Scorers will give an improved finish at the bottom of the cut. For use on routers and machining centres with CNC control.



øD	Product Ref.	B	L	ød	n
80	IT/807 340 0	12	90	20x55	18,000
80	IT/807 340 H	12	90	25x55	18,000

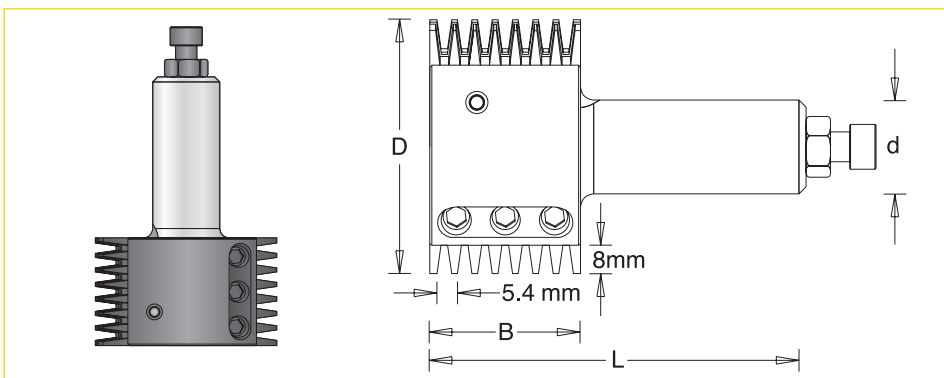
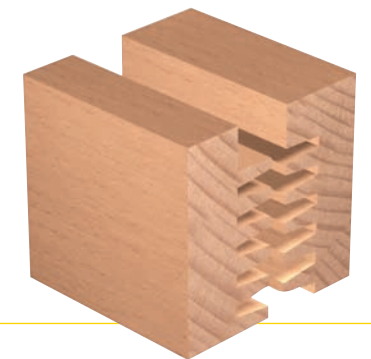
Spare Parts

Description	T.C. Blade	Torx® Screw	Torx® Key
Product Ref.	IT/310 121 2/10	IT/300 850 3/10	IT/193 395 0
Size	12x12x1.5	14x14x2.0	M4x6
			M5x6.3
			T15
			T20

Blades sold in packs of ten

Disposable Insert Finger Joint Router Cutter

Disposable insert finger jointing router cutter complete with two cutting flutes. Suitable for producing finger joints in softwoods, hardwoods and man-made boards. For use on routers and machining centres with CNC control.



øD	Product Ref.	B	L	ød	n
70	IT/856 011 1	40	100	20	12,000
70	IT/856 011 0	40	100	25	12,000

Spare Parts

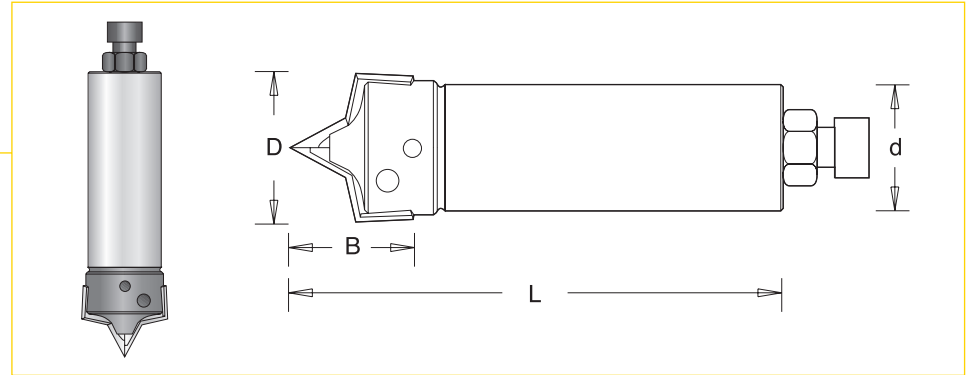
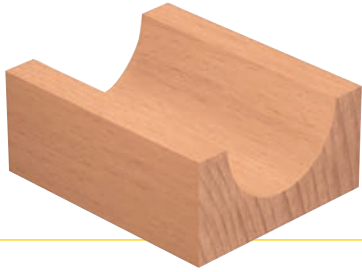
Description	T.C. Blade	Backing Plate	Hex Screw	Wedge	Hex Key
Product Ref.	IT/315 650 2	IT/199 110 1	IT/193 040 0	IT/199 022 0	IT/194 003 6
Size	40x28x1.5	40x22.5x4	M8x10	40x13.5x8	S4

Blades sold in singles.



Disposable Insert Multi-Face Profile Router Cutters

Disposable insert profile router cutter with two tungsten carbide cutting flutes. Suitable for profiling in softwoods, hardwoods and man-made boards. Tool will be supplied with standard inserts or special inserts ground to the customer's own specification. For use on routers and machining centres with CNC control.



øD	a	R	Product Ref.	Profile	ød	L	n
29.5	-	-	Special *	Customer design	20	82.5	28,000
29.5	45°	-	IT/808 051 0	B51	20	82.5	28,000
29.5	30°	-	IT/808 052 0	B52	20	82.5	28,000
29.5	-	6.3	IT/808 053 0	B53	20	82.5	28,000
29.5	-	12.5	IT/808 054 0	B54	20	82.5	28,000
29.5	-	4.0	IT/808 055 0	B55	20	82.5	28,000

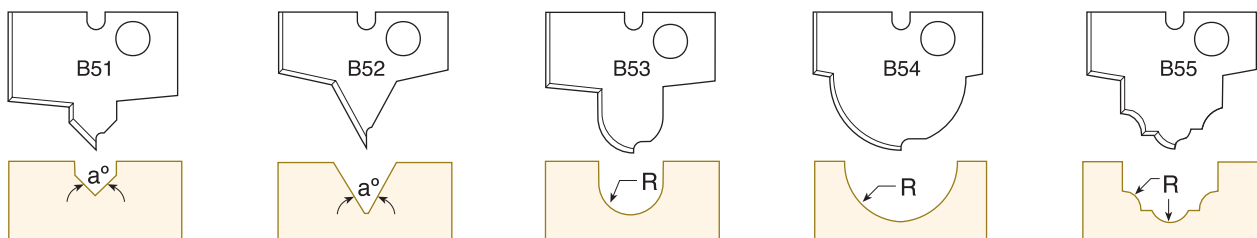
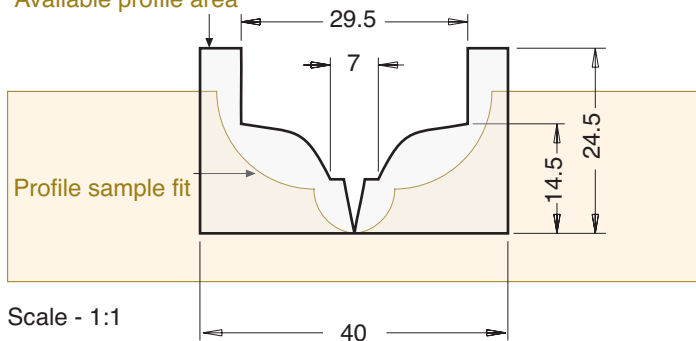
*Please contact our technical department on 01923 224681 for price & delivery on special profiles.

Spare Parts

Description	T.C. Blade					Wedge	Set Screw	Hex Key
	B51	B52	B53	B54	B55			
Product Ref.	IT/351 051 0	IT/351 050 5	IT/351 060 5	IT/351 061 0	IT/351 310 5	IT/199 050 0	IT/193 049 0	IT/194 008 0
Size	31x25x2	31x25x2	31x24x2	31x24x2	31x24x2	L=28	M5x10	S2.5

Blades sold in singles.

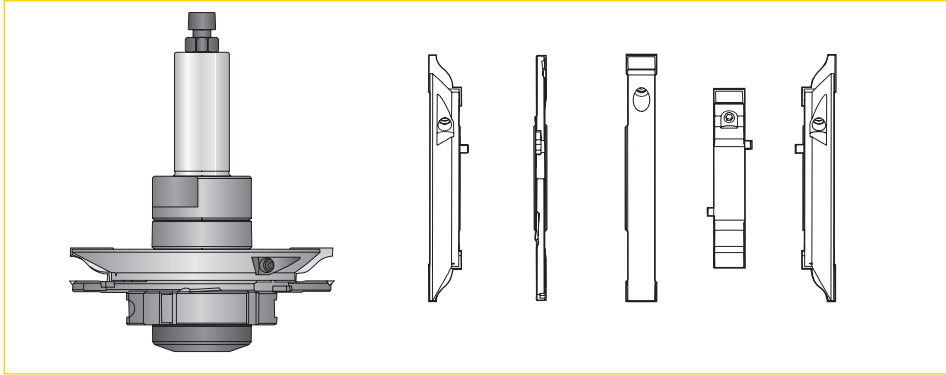
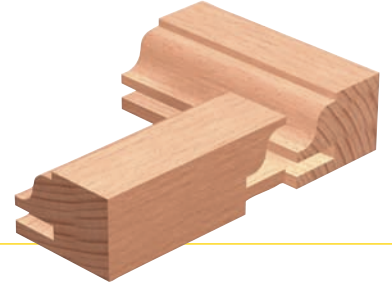
Available profile area





Disposable Insert Profile - Counter/Profile Router Cutter Set

Disposable insert router cutter set complete with a maximum of five different cutters. Suitable for producing various thickness profile / counter profile joints in softwood, hardwood and man-made boards by using combinations of the supplied cutters. For use on routers and machining centres with CNC control.



Set. No.	øD	Product Ref.	Cutters	B	Wood Sample	ød	L	n
Set 1	120	IT/842 021 0	1,2,3,4	20-35	1, 2	20	135	12,000
Set 2	120	IT/842 022 0	1,2,3,4,5	20-35	1, 2, 3	20	125	12,000

⚠ Also available with 25mm, replace the last digit with an 'H'.

Set 1 & Set 2 come complete with profile 1 only.

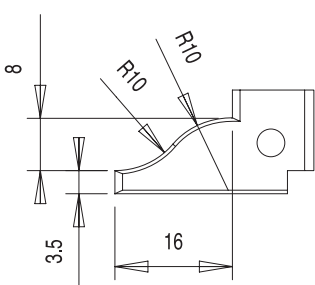
Spare Parts

Description	Arbor	Spacer		Cover	Arbor Screw	Stopper Screw	Hex Key	
Product Ref.	IT/190 820 0	IT/196 360 0	IT/196 365 0	IT/196 370 0	IT/199 720 3	IT/193 360 0	IT/193 042 0	IT/194 015 0
Size	L=135	5x45	10x45	13x45	12x45	M5x20	M6x16	S4

øD	B	Product Ref.	Cutter No.	Profile	z	ød
120	16	IT/842 011 3	1	1,2,3,4	2	20
120	16	IT/842 111 3		1	2	20
120	16	IT/842 211 3		2	2	20
120	16	IT/842 311 3		3	2	20
120	16	IT/842 411 3		4	2	20
120	5	IT/842 012 3	2		4	20
120	15	IT/842 013 3	3		2	20
88	15	IT/842 014 3	4		2	20
120	16	IT/842 015 3	5	1,2,3,4	2	20
120	16	IT/842 115 3		1	2	20
120	16	IT/842 215 3		2	2	20
120	16	IT/842 315 3		3	2	20
120	16	IT/842 415 3		4	2	20

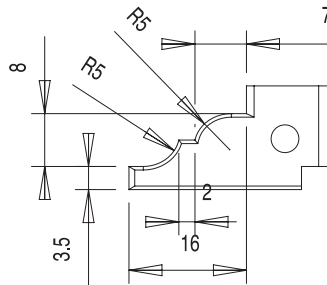
Profiles for cutters 1 & 5

Profile 1



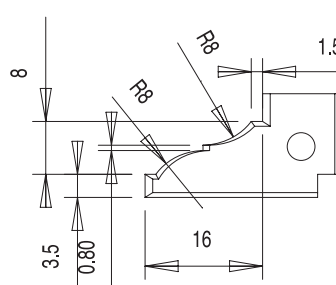
IT/311 752 0
IT/311 752 0L

Profile 2



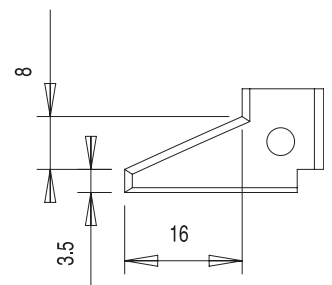
IT/311 752 1
IT/311 752 1L

Profile 3



IT/311 752 2
IT/311 752 2L

Profile 4



IT/311 752 3
IT/311 752 3L



Disposable Insert Profile - Counter/Profile Cutter Sets Continued

Spare Parts

Cutter 1	*							
Description	T.C. Blade				Wedge	Set Screw	Stopper Screw	Hex Key
Product Ref.	IT/311 752 0 Profile 1	IT/311 752 1 Profile 2	IT/311 752 2 Profile 3	IT/311 752 3 Profile 4	IT/199 032 6	IT/193 026 5	IT/193 148 2	IT/194 003 5
Size	15.7x30x2	15.7x30x2	15.7x30x2	15.7x30x2	L=14	M6x16	M4x5.6	S3

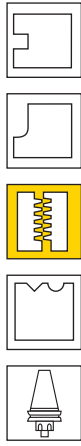
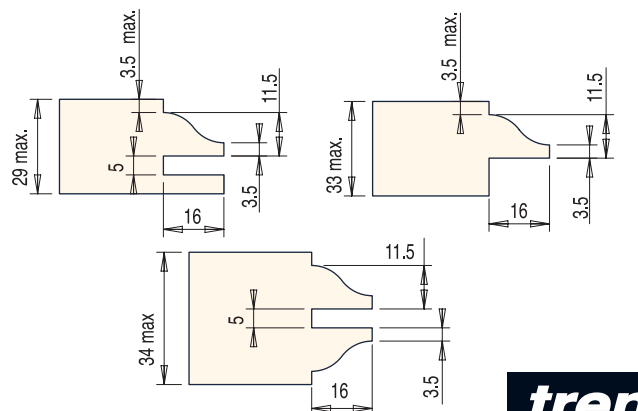
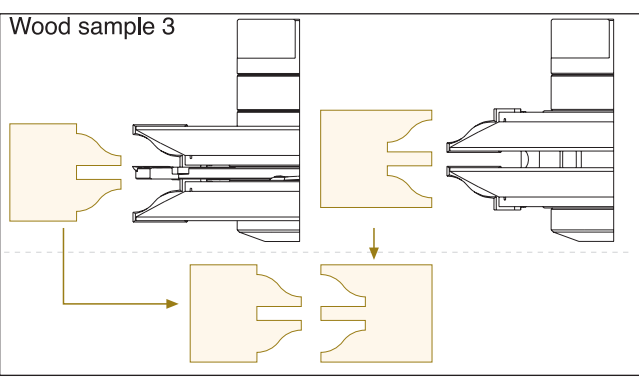
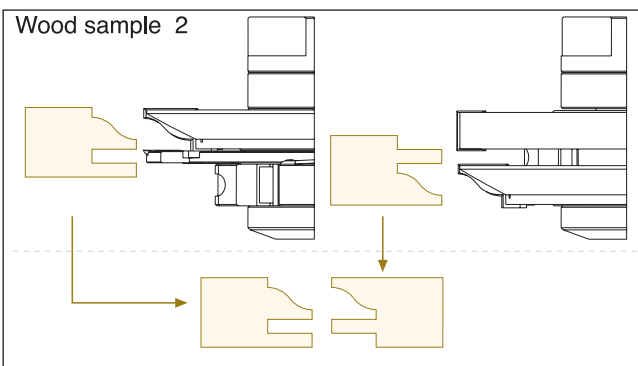
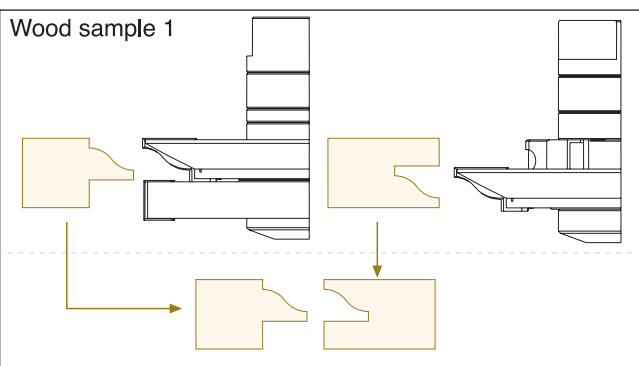
Cutter 2	**					
Description	T.C. Blade		T.C. Blade Nut		Torx® Screw	Torx® Key
Product Ref.	IT/300 850 4/10	IT/300 850 2/10	IT/192 360 0	IT/192 350 0	IT/193 030 0	IT/194 110 0
Size	18x18x2.5	14x14x1.2	M4x0.5x9.9	M4x0.5x11.1	M4x4	T9

Cutter 3	**			
Description	T.C. Blade	Wedge	Set Screw	Hex Key
Product Ref.	IT/311 451 2/10	IT/199 038 5	IT/193 026 5	IT/194 003 5
Size	14.3x12x1.5	L=13.5	M6x16	S3

Cutter 4	**			
Description	T.C. Blade	Wedge	Set Screw	Hex Key
Product Ref.	IT/300 052 7/10	IT/199 038 5	IT/193 026 5	IT/194 003 5
Size	15x12x1.5	L=13.5	M6x16	S3

* Blades sold in singles. ** Blades sold in packs of ten.

Cutter 5	*							
Description	T.C. Blade				Wedge	Set Screw	Stopper Screw	Hex Key
Product Ref.	IT/311 752 0 L	IT/311 752 1 L	IT/311 752 2 L	IT/311 752 3 L	IT/199 032 6	IT/193 026 5	IT/193 148 2	IT/194 003 5
Size	15.7x30x2	15.7x30x2	15.7x30x2	15.7x30x2	L=14	M6x16	M4x6	S3



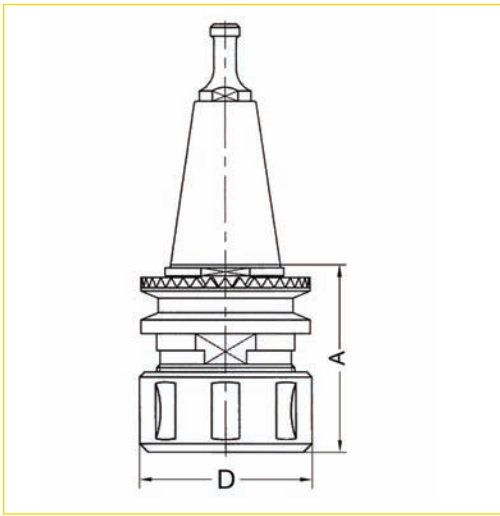


CNC Tool Holders and Arbors

Complete range of high precision CNC chucks and arbors suitable for all popular makes of machine and every production environment. Chucks and arbors are supplied complete with clamping nuts. Pull studs, collets and spanners are sold separately.

SK30 Tool Holder with Pull Stud for Mordidelli & SCM Machines

SK30 taper shank complete with serrated collar and 8.5mm diameter pull stud for use on Mordidelli and SCM CNC machines. The ball bearing clamping nut guarantees high clamping precision, protects the collet and the internal taper of the chuck and permits easy insertion and removal of the collets.



Product Ref.	Adapter	øD	A	Collet
IT/641 010	Standard	50	55	Standard
	ISO 30			ER32

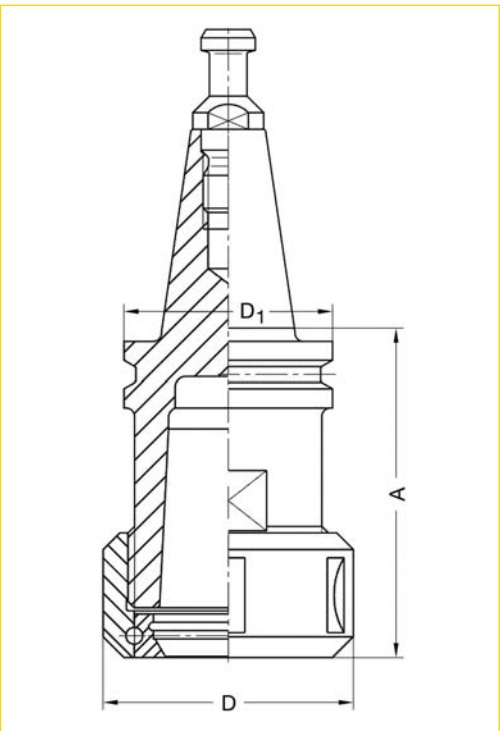
Spare Parts

Description	Product Ref.
Ball bearing clamping nut to suit ER32 Chucks (M40x1.5)	IT/TH/CNM40
C - Spanner to suit M40 clamping Nut	IT/TH/CSM40
Pull Stud 8.5mm diameter	IT/650010
Engineers' wrench SW46	IT/TH/EW46

SK30 Tool Holders with Pull Stud

High precision body, tempered, ground and thoroughly balanced SK30 taper shank complete with relevant pull studs for use on CNC routers with automatic tool change.

The ball bearing clamping nut guarantees high clamping precision, protects the collet and the internal taper of the chuck and permits easy insertion and removal of the collets. See page 157 for details of collets.



Product Ref.	Adapter	øD	A	Collet
	Standard			Standard
For IMA, MAKA, Reinchenbacher, Weeke, Busellato				
IT/TH/001	SK 30	50	50	ER32
IT/TH/002	SK 30	57	63	ER40
For Biesse (from 09/92), Masterwood (HSD motor)				
IT/TH/003	SK 30	50	50	ER32
IT/TH/004	SK 30	57	63	ER40
For Alberti, Masterwood (colombo motor)				
IT/TH/005	SK 30	50	50	ER32
IT/TH/006	SK 30	57	63	ER40

Spare Parts

Description	Product Ref.
Ball bearing clamping nut to suit ER32 Chucks (M40x1.5)	IT/TH/CNM40
Ball bearing clamping nut to suit ER40 Chucks (M48x2.0)	IT/TH/CNM48
C - Spanner to suit M40 clamping Nut	IT/TH/CSM40
C - Spanner to suit M48 clamping Nut	IT/TH/CSM48
Engineers' wrench SW46	IT/TH/EW46

Please note: Other sizes of CNC tool holders & arbors are available on request. Please contact our technical department on 01923 224681.



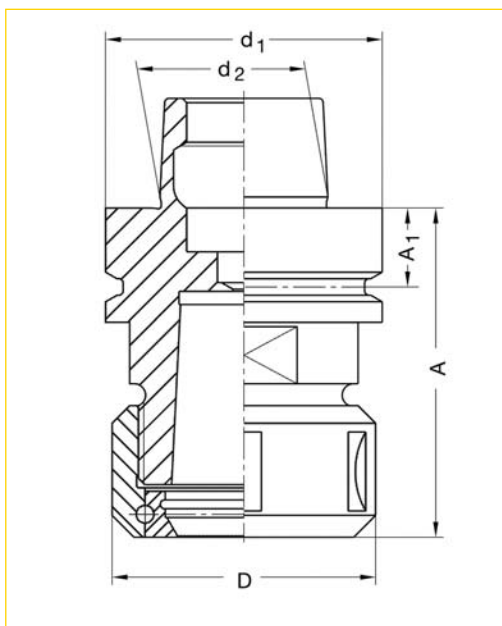
HSK63-F Tool Holders

High precision body, tempered, ground and thoroughly balanced with hollow taper shank to DIN 69893 for use on CNC routers with automatic tool change. The ball bearing clamping nut guarantees high clamping precision, protects the collet and the chuck and permits easy insertion and removal of the collet. See page 157 for details of collets.

Product Ref.	Adapter Standard	øD	A	A1	Collet Standard
IT/641 031	HSK63-F	50	70	18	ER32
IT/641 030	HSK63-F	63	75	18	ER40

Spare Parts

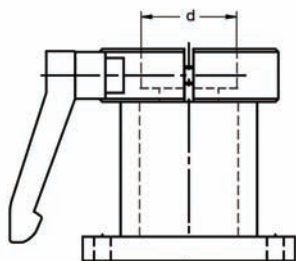
Description	Product Ref.
Ball bearing clamping nut to suit ER32 Chucks (M40x1.5)	IT/TH/CNM40
Ball bearing clamping nut to suit ER40 Chucks (M48x2.0)	IT/TH/CNM48
C - Spanner to suit M40 clamping Nut	IT/TH/CSM40
C - Spanner to suit M48 clamping Nut	IT/TH/CSM48
Engineers' wrench SW46	IT/TH/EW46



Assembling Device

Two-piece clamping jaws produced from high quality alloy mounted on a sturdy steel base. Quick lock clamping lever ensures easy and very safe clamping of tool holders and arbors. Simple and effortless to operate.

For Tool Holders	d mm	Product Ref.
SK30/HSK 50/HSK 50 E 40	50	IT/642 001
SK40/BT40	63.5	IT/642 002
HSK 63 F/HSK 63 E	63	IT/642 003

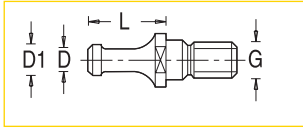


Please note: Other sizes of CNC tool holders & arbors are available on request. Please contact our technical department on 01923 224681.

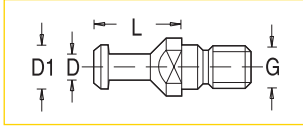


Pullstuds for Tool Holders

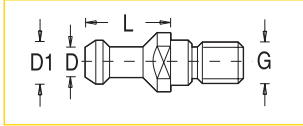
Pull studs to suit CNC Tool Holders on page 154.



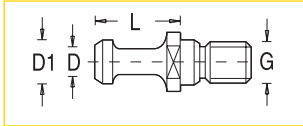
For Machines	Adapter	Product Ref.	$\varnothing D1$	$\varnothing d$	L	G
Morbidelli, SCM	ISO 30	IT/650 010	8.5	6.5	22	M10



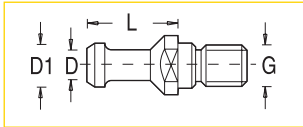
Busellato, Weeke, Bulleri, Maka, IMA	ISO 30	IT/650 011	13	9	24	M12
Cosmec, Reinchenbacher, Maka	ISO 40	IT/650 020	19	14	26	M16



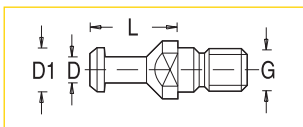
Alberti, Vitap, Masterwood	ISO 30	IT/650 013	13	9	24	M12
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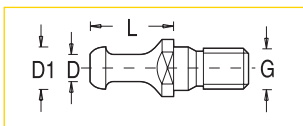
Esseteam	ISO 30	IT/650 014	12	8	24	M12
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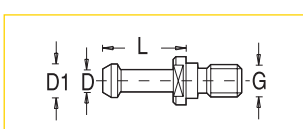
CMS	ISO 30	IT/650 015	12.8	9	24	M12
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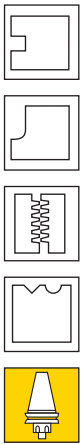
Biesse (Before 09/92)	ISO 30	IT/650 017	12	8	24	M12
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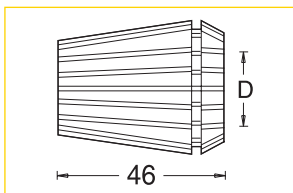
Biesse (After 09/92), Masterwood	ISO 30	IT/650 018	12	8	24	M12
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Shoda	BT 30	IT/650 031	11	7	23	M12
Heian	BT 35	IT/650 040	13	8.5	28	M12



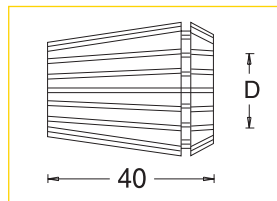
Collets for ER40 Nut



øD	For shank ø	Product Ref.
3-4	4	IT/615 060
4-5	5	IT/615 061
5-6	6	IT/615 062
6-7	(1/4", 6.35mm)	IT/615 063
7-8	8	IT/615 064
8-9	9	IT/615 065
9-10	(3/8", 9.5mm)	IT/615 007
10-11	11	IT/615 031
11-12	12	IT/615 032
12-13	(1/2", 12.7mm)	IT/615 006
13-14	14	IT/615 070
14-15	15	IT/615 005
15-16	16	IT/615 030
16-17	17	IT/615 073
17-18	18	IT/615 074
18-19	19	IT/615 004
19-20	20	IT/615 003
20-21	21	IT/615 077
21-22	22	IT/615 078
22-23	23	IT/615 079
23-24	24	IT/615 080
24-25	25	IT/615 002
25-26	26	IT/615 001
Complete set of ER40 collets		IT/615 091



Collets for ER32 Nut



øD	For shank ø	Product Ref.
2-3	3	IT/615 040
3-4	4	IT/615 041
4-5	5	IT/615 042
5-6	6	IT/615 043
6-7	(1/4", 6.35mm)	IT/615 044
7-8	8	IT/615 012
8-9	9	IT/615 046
9-10	(3/8", 9.5mm)	IT/615 010
10-11	11	IT/615 048
11-12	12	IT/615 049
12-13	(1/2", 12.7mm)	IT/615 009
13-14	14	IT/615 051
14-15	15	IT/615 008
15-16	16	IT/615 053
16-17	17	IT/615 054
17-18	18	IT/615 055
18-19	19	IT/615 056
19-20	20	IT/615 011
Complete set of ER32 collets		IT/615 090

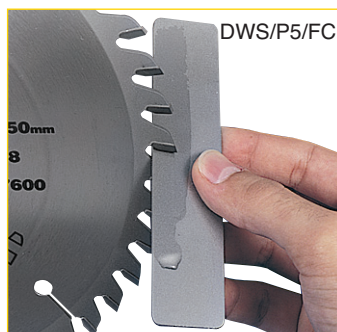
SOLID DIAMOND WHETSTONES

Sharpening maintenance with Trend Precision Diamond Whetstones.

Hand made in the UK by the 2006 Engineering Excellence Award winners.

- Routers
- Circular Sawblades
- Spindle knives
- Carbide / HSS
- All hand tools

Description	Grade/Size	Product Ref.
Double-sided (fine & coarse grits) pocket 5" x 1" stone Ideal for shaped cutters, sawblades etc.	◆◆	DWS/P5/FC
Single-sided precision 8" x 3" workshop stone fine grit Ideal for Spindle knives, hand tools.	◆	DWS/W8/F
Diamond retractable tapered penfile. Ideal for any shaped tooling.	◆	DWS/PFR/F
Diamond abrasive lapping fluid 100ml / atomiser top. Industrial petroleum based fluid prevents clogging & rusting.	100ml	DWS/LF/100



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Inches	32 nd	mm
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1/16	5/64	2
3/32	7/64	3
1/8	9/64	3.5
5/32	11/64	4
3/16	13/64	5
7/32	15/64	5.5
1/4	17/64	6
9/32	19/64	6.5
5/16	21/64	7
11/32	23/64	8
3/8	25/64	8.5
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21/32	43/64	13
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23/32	47/64	14
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13/16	53/64	15.5
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7/8	57/64	16.5
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529/64	601/64	
531/64	603/64	
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Available from:



General Enquiries	0800 487363
Retailer & Wholesaler Sales	01923 249911
General Fax	01923 236879
Technical Support	01923 224681
Technical Support Fax	01923 228657
Customer Services	01923 212497
Accounts	01923 221910
Email	enquiry@trendm.co.uk
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