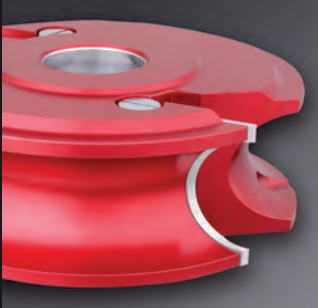


INDUSTRIAL TOOLING

DRILLING TOOLS &
CNC MACHINING



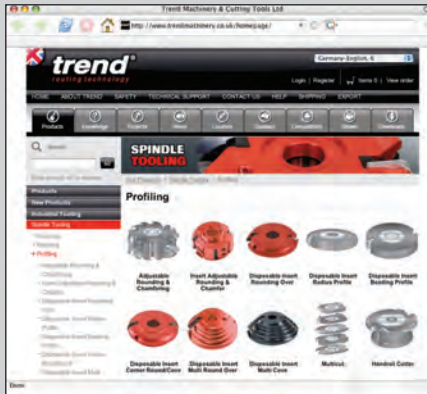
trend[®]
industrial tooling

Industrial Tooling On-line

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- 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 Technical Support:

Tel: 01923 249911

(8.45am - 5.30pm Monday - Friday)

Fax: 01923 228657

Email: technical@trendm.co.uk



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



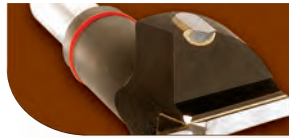
Trend are Full members of the Woodworking Machinery Suppliers Association, the leading association for the supply of wood working machinery and tooling.



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

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DRILLING TOOLS

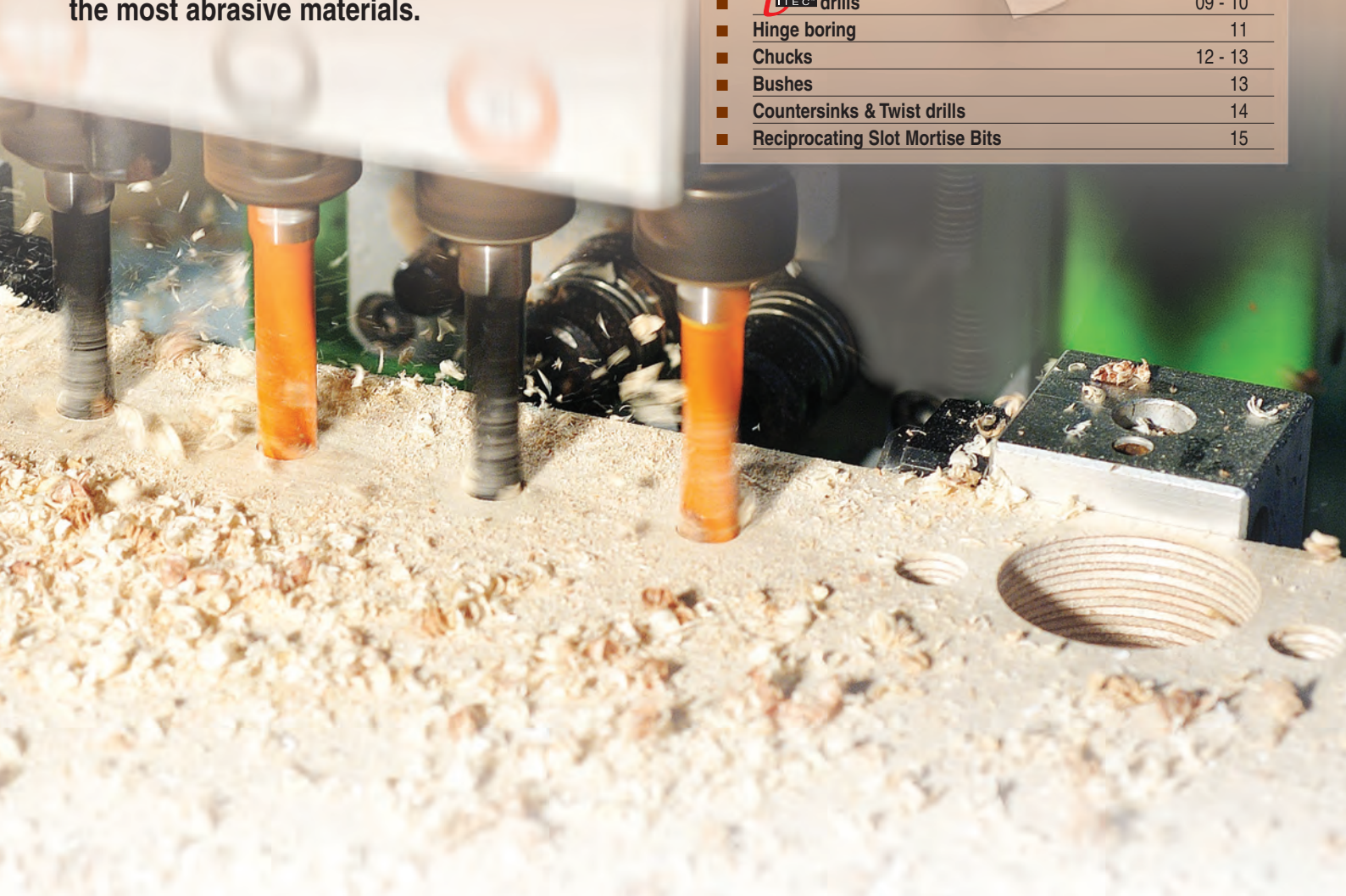
A comprehensive range of micro-grain, tungsten carbide tipped drilling tools including dowel drills and boring bits providing a complete solution to all hole boring operations found in the woodworking industry.

Look out for the **DITEC** range of drills on pages 09 - 10. 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

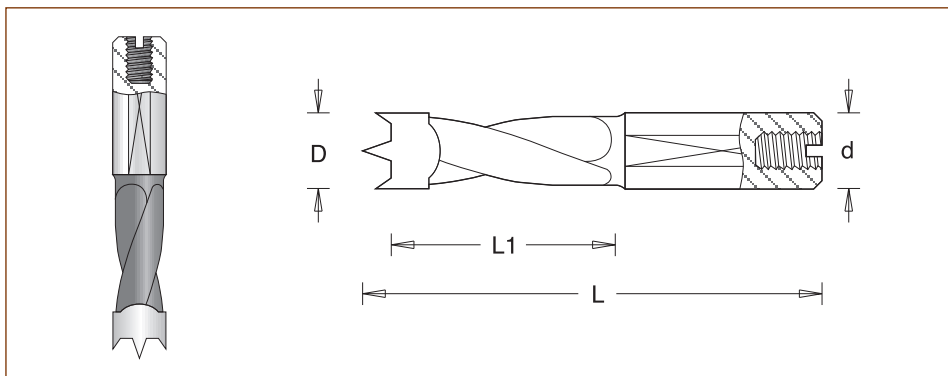
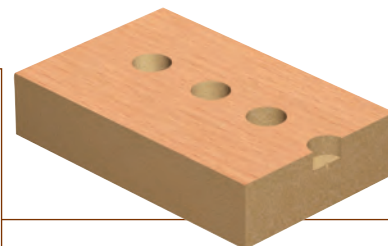
■ Dowel drills	04 - 07
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201 Lip & Spur Dowel Drills

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

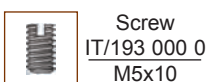
 Screw
IT/193 000 0
M5x10



77mm Overall Length

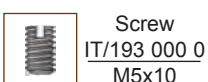
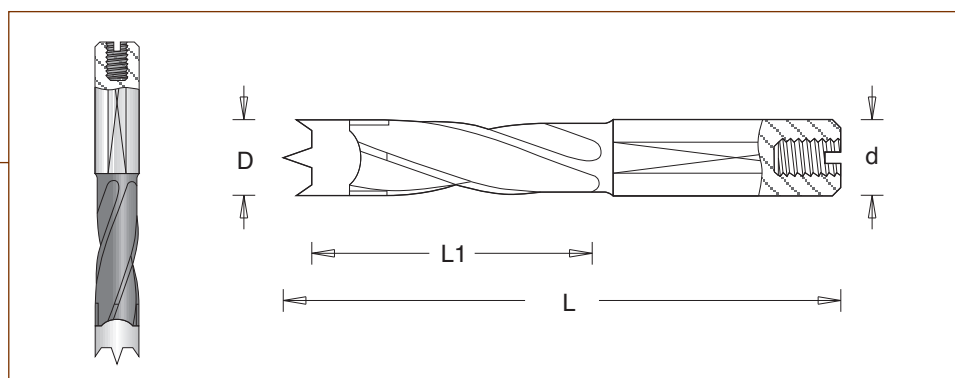
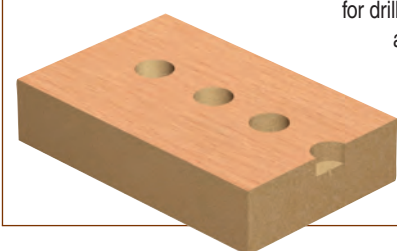
201 Lip & Spur Dowel Drill - Continued

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 Dowel Drills - Hollow Ground Flutes

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.



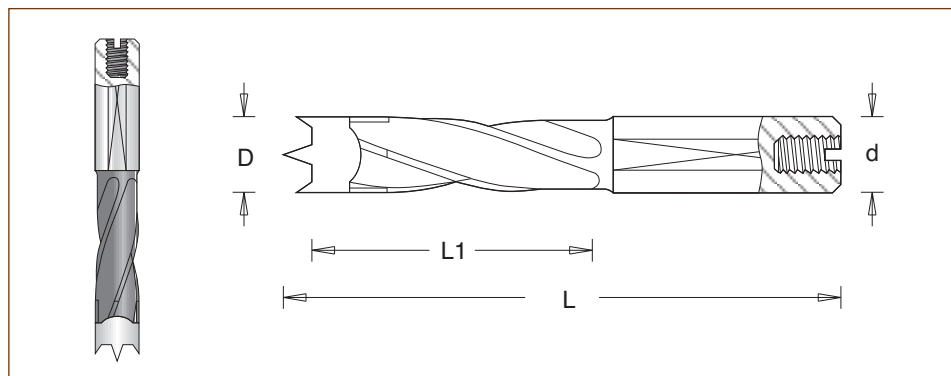
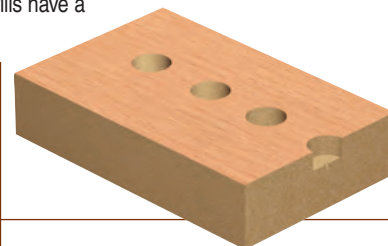
57.5mm Overall Length

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

øD	Product Ref.		L1	L	ød
	Right	Left			
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

77mm Overall Length

Screw
IT/193 000 0
M5x10

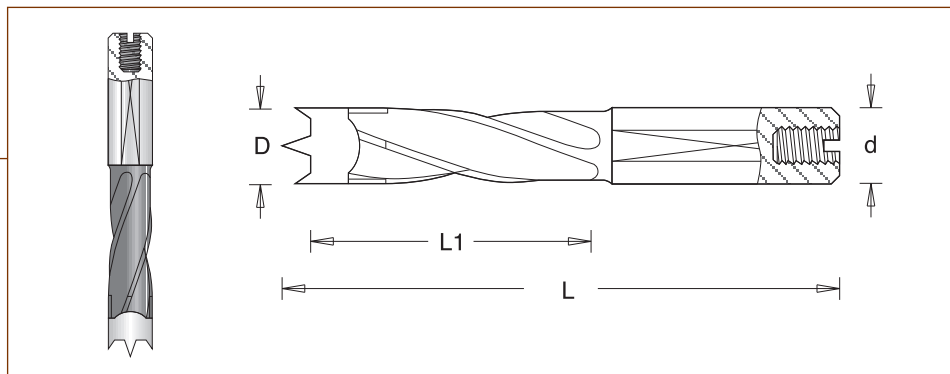
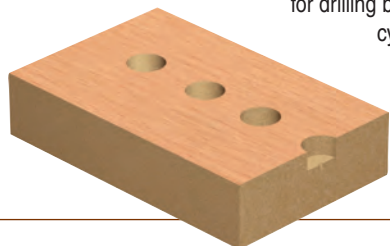
øD	Product Ref.		L1	L	ød
	Right	Left			
5.0	IT/201 473 7	IT/201 476 7	50	77	10x20
5.1	IT/201 544 7	IT/201 545 7	50	77	10x20
5.2	IT/201 546 7	IT/201 547 7	50	77	10x20
6.0	IT/201 477 7	IT/201 478 7	50	77	10x20
7.0	IT/201 480 7	IT/201 481 7	50	77	10x20
8.0	IT/201 483 7	IT/201 486 7	50	77	10x20
8.1	IT/201 550 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

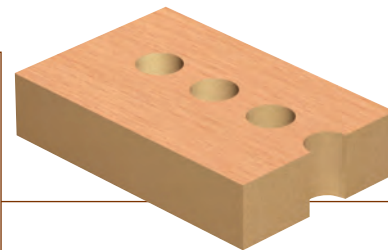
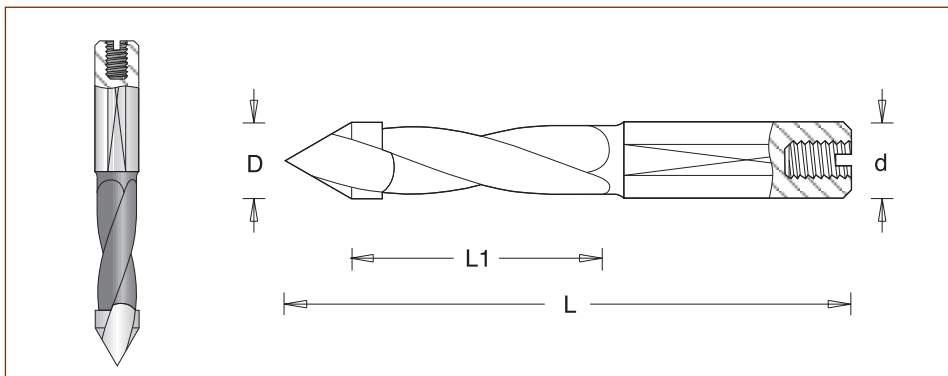


Screw
IT/193 000 0
M5x10




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

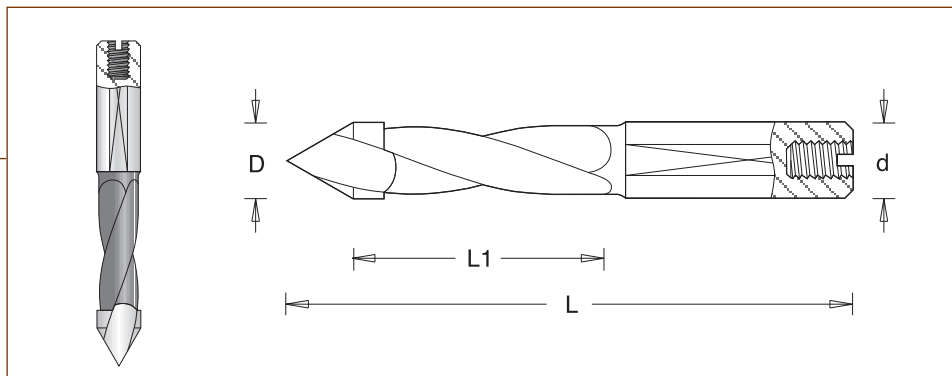
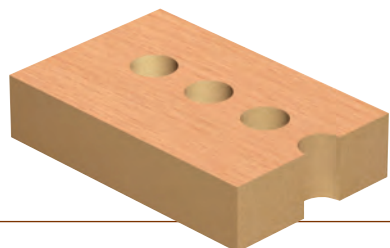
øD	Product Ref.		L1	L	ød
	Right	Left			
5.0	IT/201 624 7	IT/201 625 7	45	77	10x25
6.0	IT/201 626 7	IT/201 627 7	45	77	10x25
7.0	IT/201 631 7	IT/201 632 7	45	77	10x25
8.0	IT/201 628 7	IT/201 629 7	45	77	10x25
9.0	IT/201 637 7	IT/201 638 7	45	77	10x25
10.0	IT/201 641 7	IT/201 642 7	45	77	10x25

 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

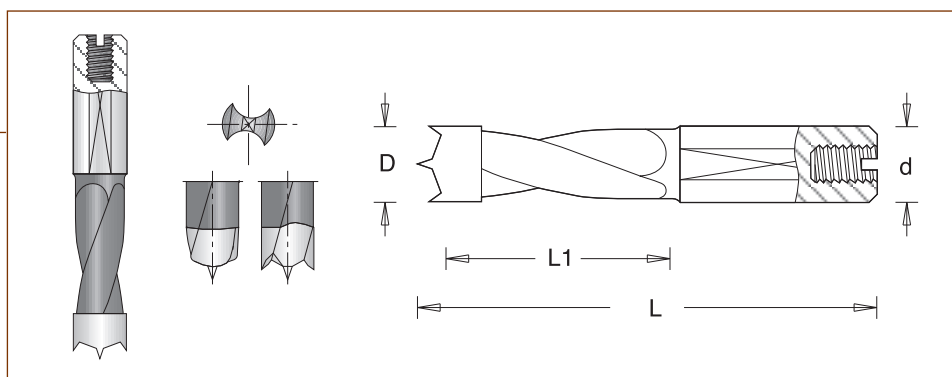
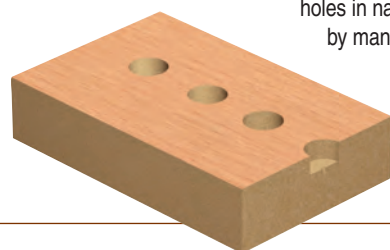
67.0mm Overall Length

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

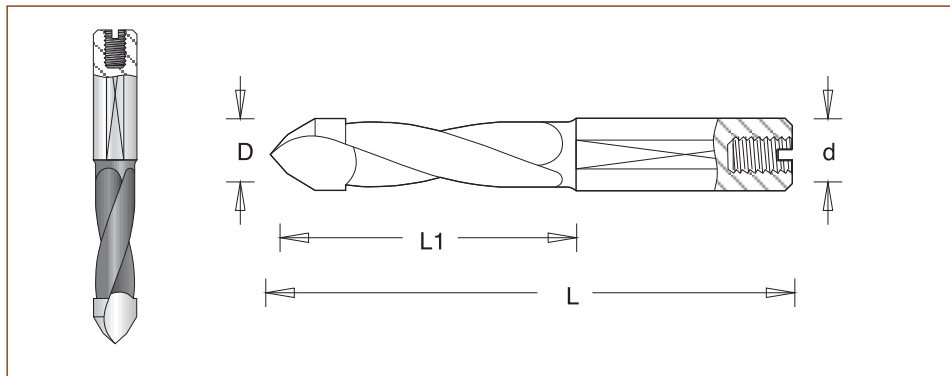
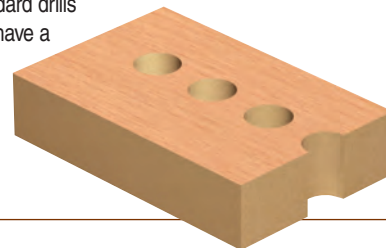
70.0mm Overall Length

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.

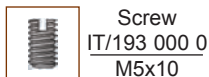


57.5mm Overall Length

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

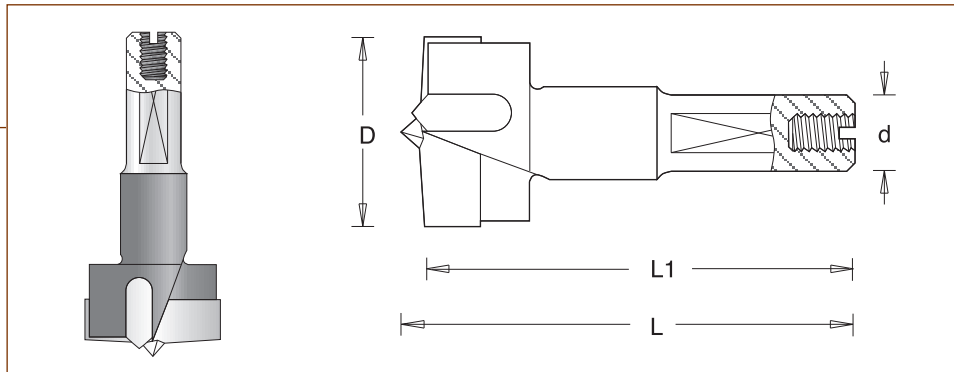
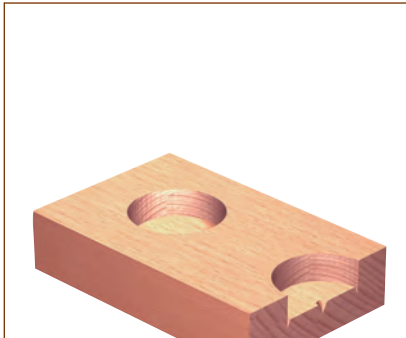
5.0	IT/201 770 7	IT/201 771 7	35	70.0	10x25
8.0	IT/201 772 7	IT/201 773 7	35	70.0	10x25
10.0	IT/201 774 7	IT/201 775 7	35	70.0	10x25






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


 Screw
IT/193 000 0
M5x10

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

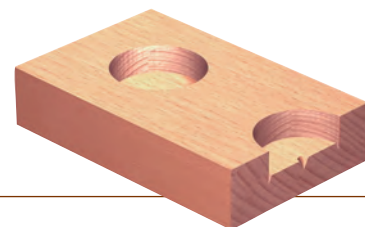
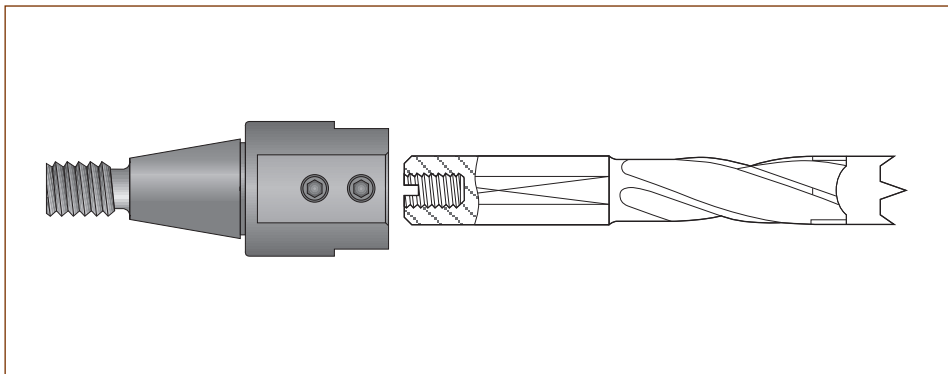
25	IT/203 160 7	IT/203 161 7	75	77	10x26
30	IT/203 155 7	IT/203 156 7	75	77	10x26
35	IT/203 151 7	IT/203 150 7	75	77	10x26

 Screw
IT/193 000 0
M5x10



203 Combi Chucks

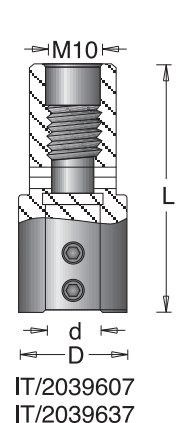
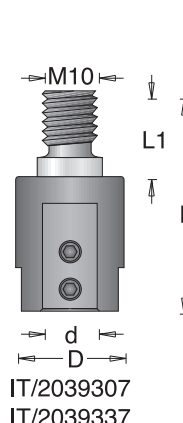
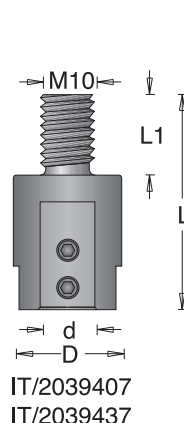
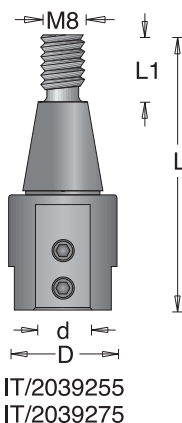
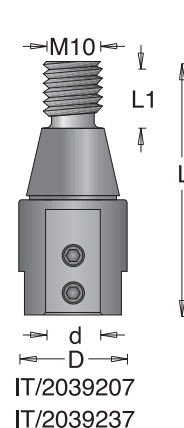
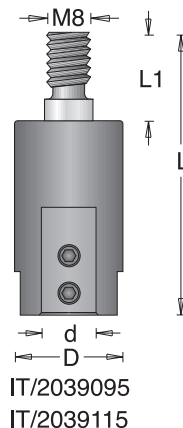
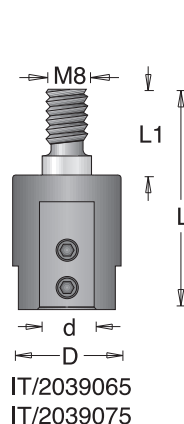
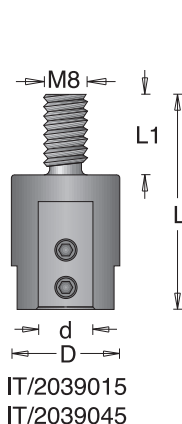
Reducing chucks for clamping drills and boring bits with cylindrical shank and flat. Suitable for all popular makes of automatic and point-to-point boring machines.



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	20	IT/203 930 7	IT/203 933 7	10	16	41	10
Biesse, Busellato							
Mordibelli, Torwegge, Weeke							
Scheer	20	IT/203 960 7	IT/203 963 7	10		46	10



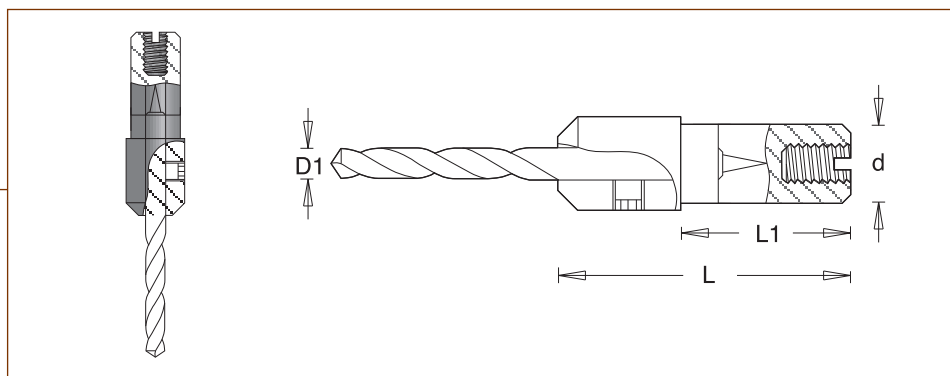
Screw
IT/193 024 8
M5x5





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.



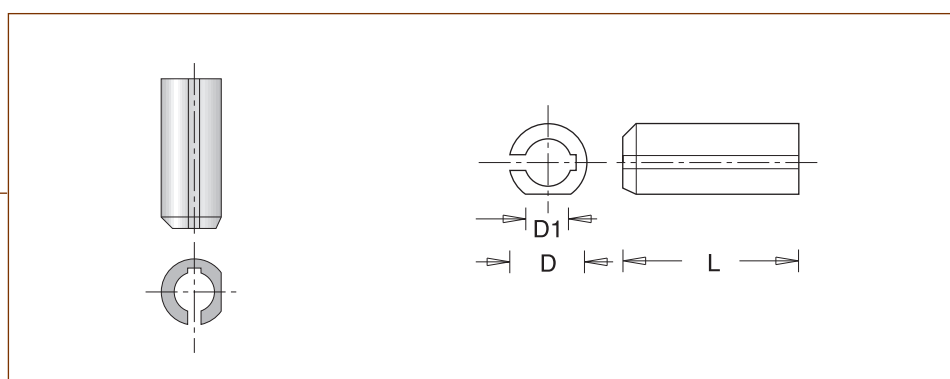
$\varnothing D1$	Product Ref.	L1	L	$\varnothing d$
2.0	IT/203 950 7	22	38	10
2.5	IT/203 951 7	22	38	10
3.0	IT/203 952 7	22	38	10
3.2	IT/203 953 7	22	38	10
3.5	IT/203 954 7	22	38	10
4.0	IT/203 955 7	22	38	10
5.0	IT/203 956 7	22	38	10



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.

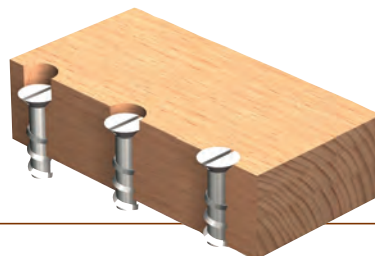
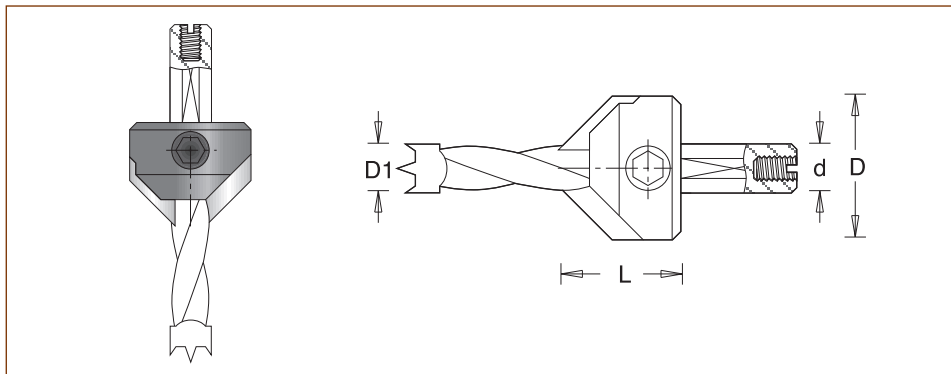


$\varnothing D1$	$\varnothing D$	Product Ref.	L
2.0	10	IT/192 456 0	23
2.5	10	IT/192 457 0	23
3.0	10	IT/192 451 0	23
3.2	10	IT/192 458 0	23
3.5	10	IT/192 452 0	23
4.0	10	IT/192 453 0	23
5.0	10	IT/192 454 0	23
6.0	10	IT/192 460 0	23
7.0	10	IT/192 461 0	23
8.0	10	IT/192 455 0	23



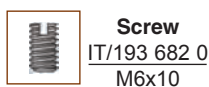
2022 - Countersink for Dowel Drills

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.



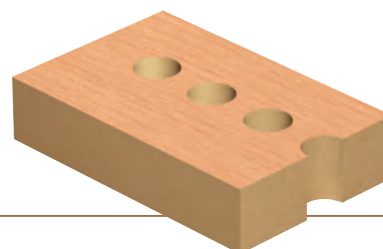
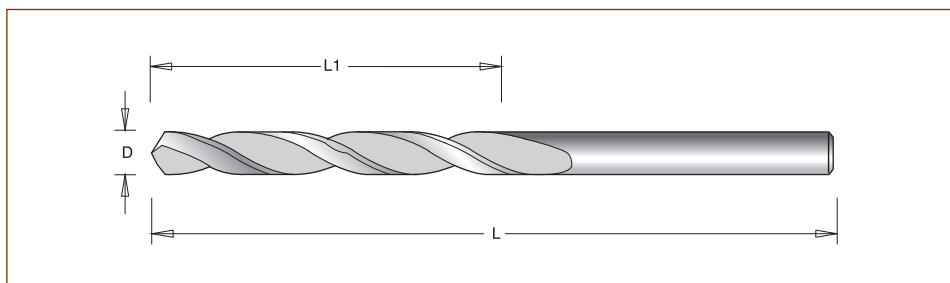
		Product Ref.		L	ød
øD1	øD	Right	Left		
4	15.6	IT/202 202 0	IT/202 203 0	17.5	10
5	16.0	IT/202 200 0	IT/202 201 0	17.5	10
6	16.0	IT/202 204 0	IT/202 205 0	17.5	10
7	16.0	IT/202 206 0	IT/202 207 0	17.5	10
8	18.0	IT/202 210 0	IT/202 211 0	17.5	10
9	18.0	IT/202 214 0	IT/202 215 0	17.5	10
10	20.0	IT/202 220 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.



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.

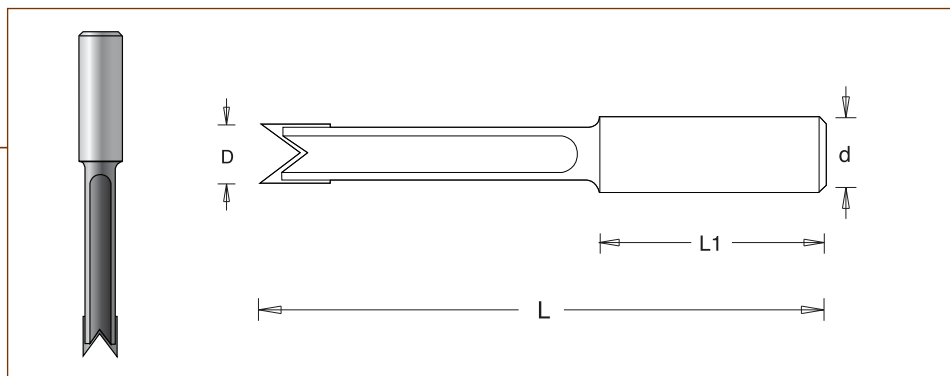
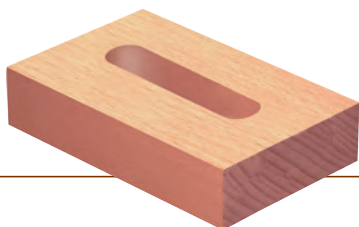


		Product Ref.		L1	L
øD		Right	Left		
2.0		IT/DSC20R	IT/DSC20L	12	38
2.5		IT/DSC25R	IT/DSC25L	14	43
3.0		IT/DSC30R	IT/DSC30L	16	46
3.5		IT/DSC35R	IT/DSC35L	20	52
4.0		IT/DSC40R	IT/DSC40L	22	55
5.0		IT/DSC50R	IT/DSC50L	26	62



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.



øD	Product Ref.	L1	L	ød
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.

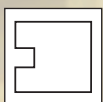
Including:

- 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.

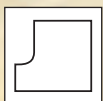
Our range of solid carbide spiral bits feature:

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

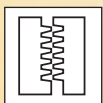
■ Technical information	120 - 121
■ Grooving and sizing	122 - 141
■ Profiling and chamfering	142 - 147
■ Jointing and rebating	148 - 153
■ Carving	151
■ Clamping systems, chucks and adapters	154 - 157
■ Diamond sharpening stones	157



Grooving & Sizing



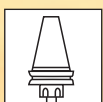
Profiling & Chamfering



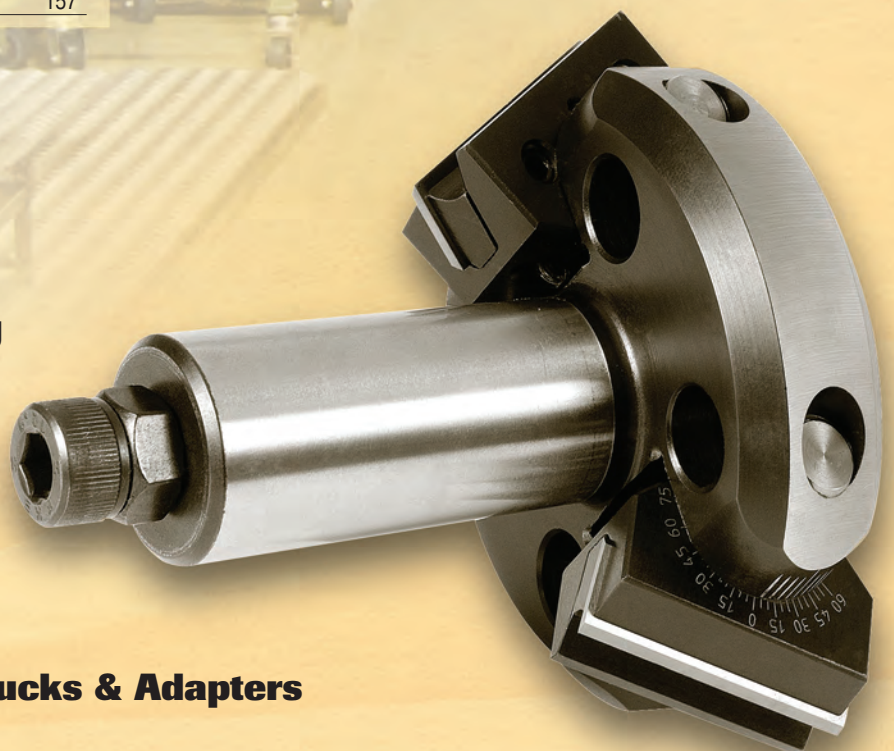
Jointing & Rebating



Carving



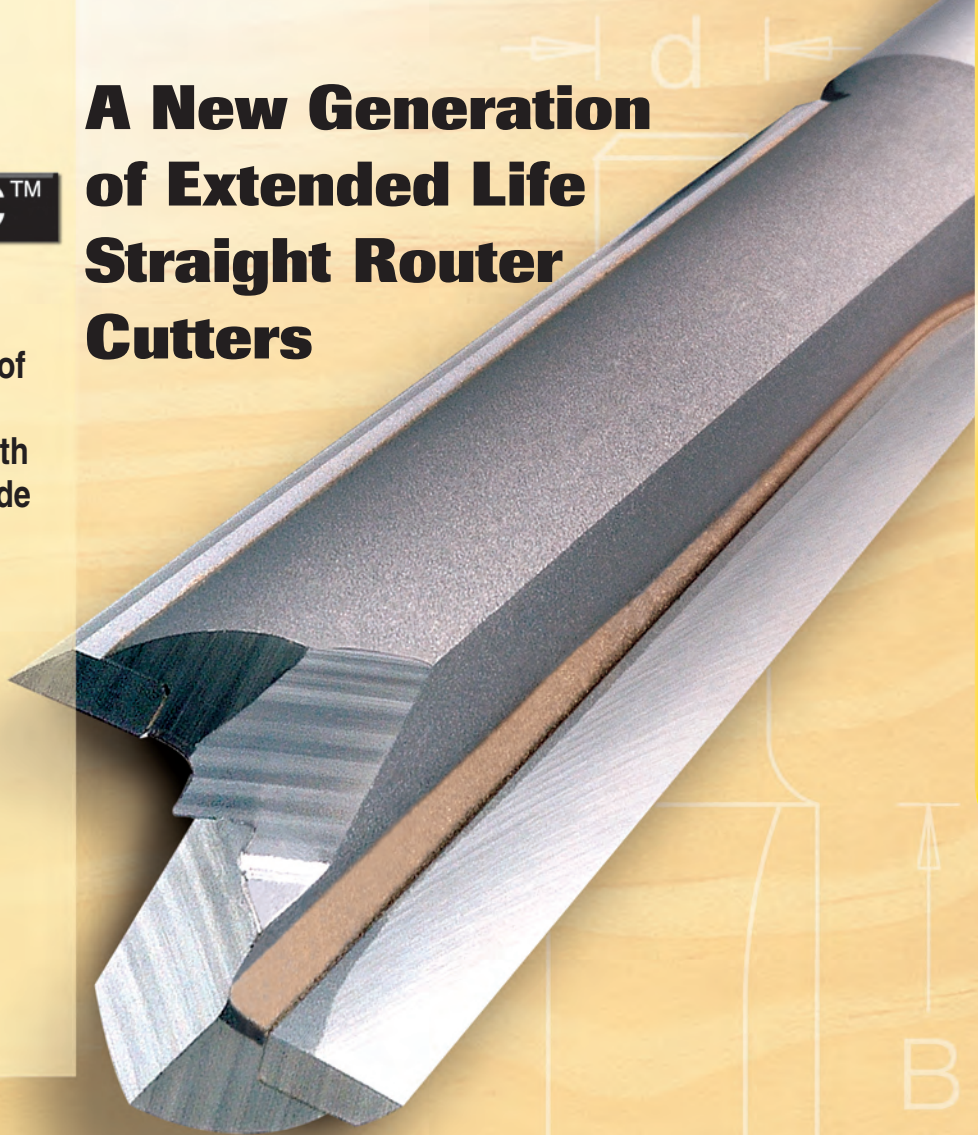
Clamping Systems, Chucks & Adapters





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.

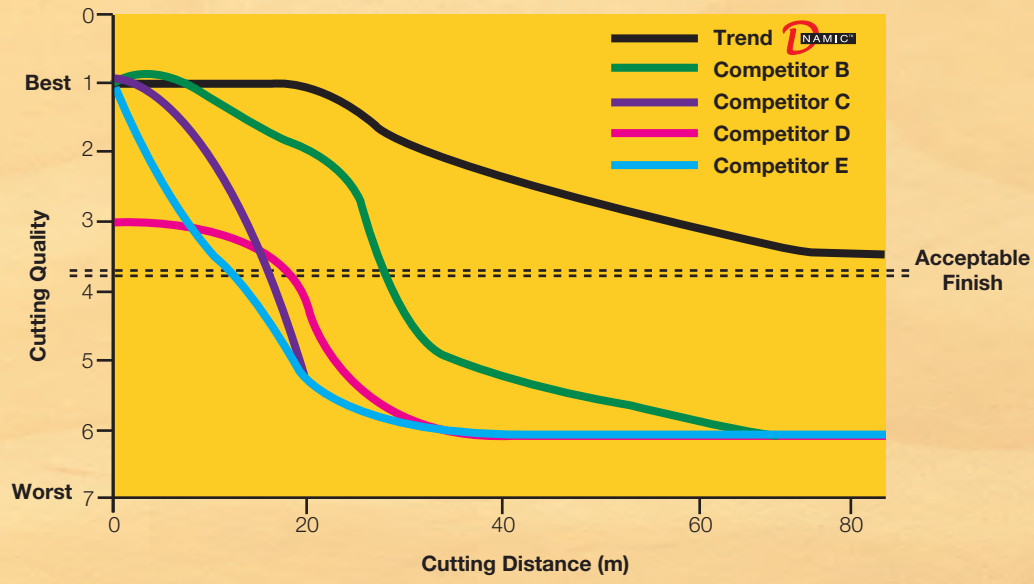


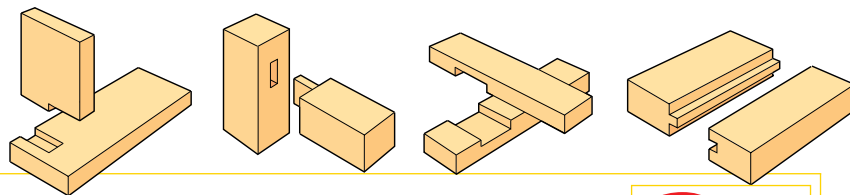
HAVE YOU GOT THE DYNAMIC™ EDGE?

Competitor



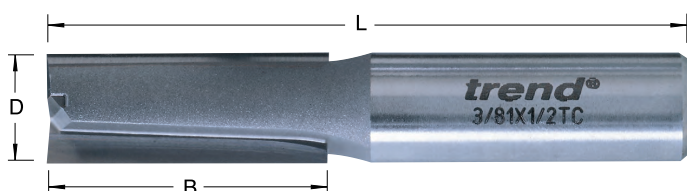
Trend's automated grinding technology gives an unparalleled finish to new cutters. This higher quality finish provides a product that cuts at least twice further than it's nearest competitor.





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.



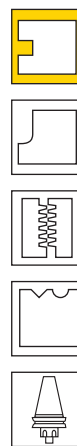
Straight Router Cutters - Two Flute - 1/2" Shank Continued

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.

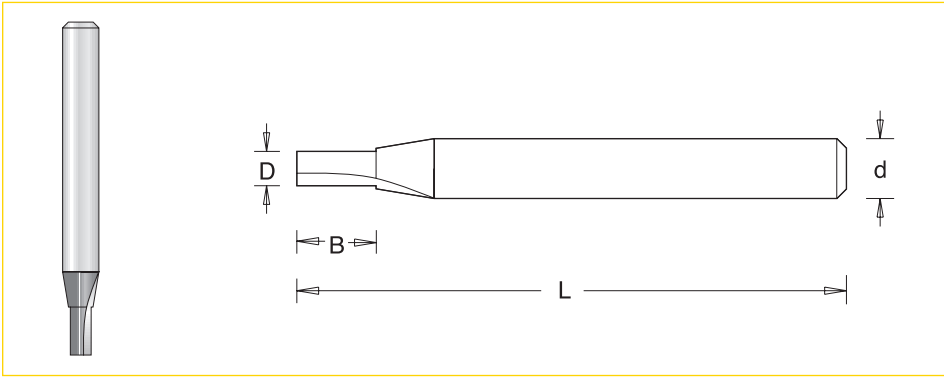
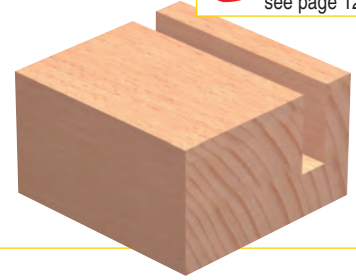
NB Diameter dimensions shown in **bold** denote exact size.





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.  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"

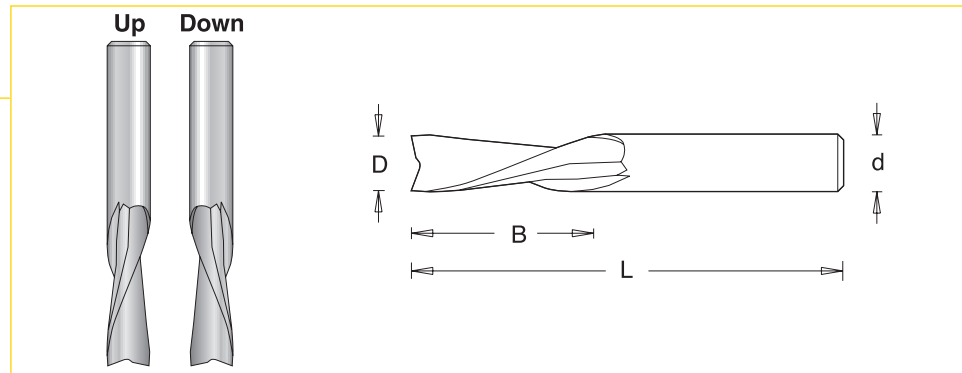
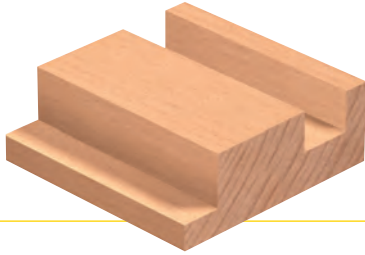
Solid Carbide Straight Router Cutter - Two Flute

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.  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.



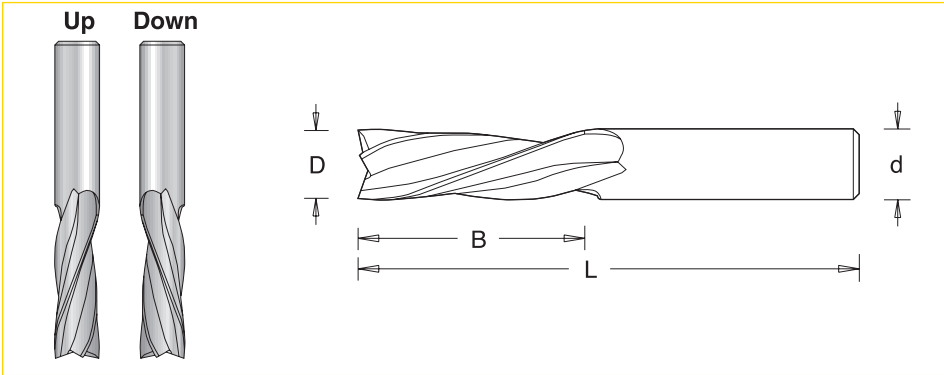
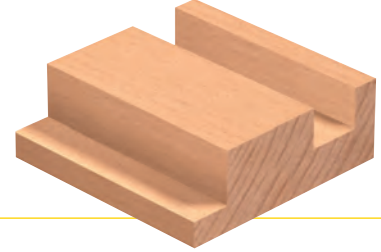
Product Ref.						
øD mm	øD ins.	Upcut	Downcut	B	L	ød
1.5	-	S58/1X3MMSTC*	S58/1LHX3MMSTC*	5	38	3
2	-	S58/2X3MMSTC*	S58/2LHX3MMSTC*	6	38	3
2.5	-	S58/3X3MMSTC*	S58/3LHX3MMSTC*	7	38	3
3	-	S58/4X3MMSTC*	S58/3LHX3MMSTC*	12	38	3
3	-	S58/5X3MMSTC*	S58/5LHX3MMSTC*	25	65	3
3	-	IT/173 405 5	-	12	50	8
3.2	1/8	S55/02X1/4STC	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** 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.

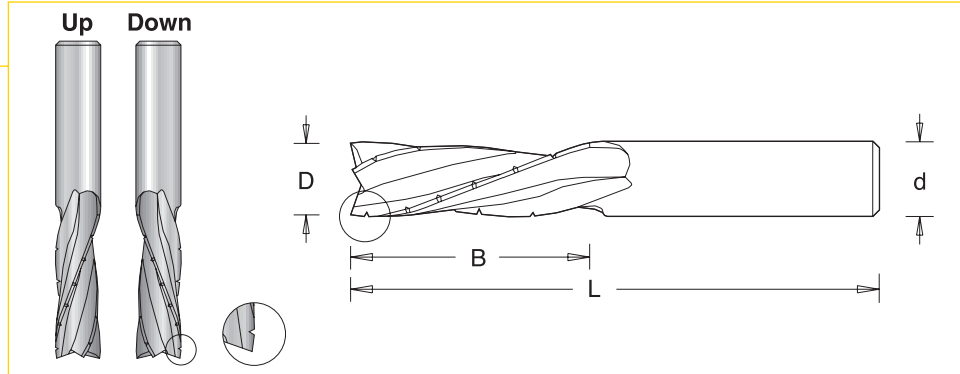
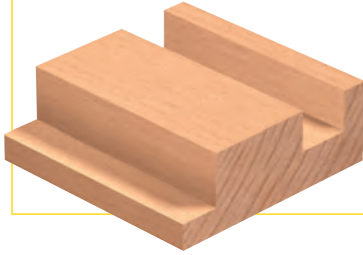


Product Ref.					
øD	Upcut	Downcut	B	L	ød
12	IT/173 637 9	IT/173 937 9	42	80	12
12	IT/173 638 9	IT/173 938 9	52	100	12
14	IT/173 639 0	IT/173 939 0	35	80	14
14	IT/173 670 0	IT/173 970 0	42	100	14
14	IT/173 640 0	IT/173 940 0	55	110	14
16	IT/173 641 0	IT/173 941 0	35	80	16
16	IT/173 646 0	IT/173 946 0	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	

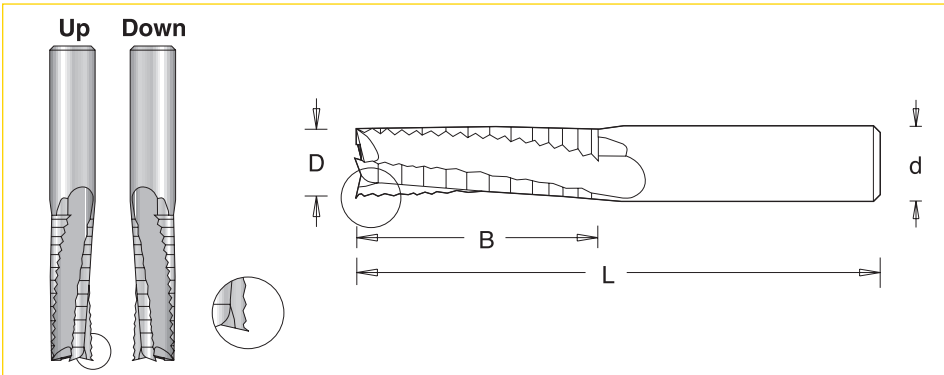
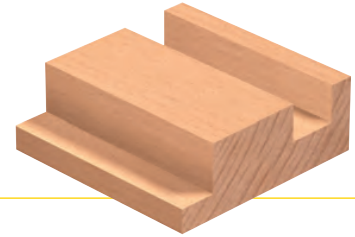
[▲] While stocks last.





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). **D** 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.

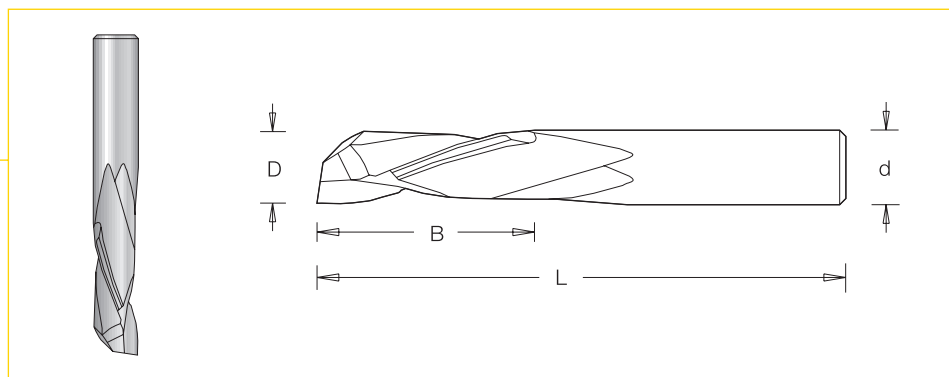


Product Ref.					
øD	Upcut	Downcut	B	L	ød
10	IT/178 632 7	IT/178 932 7	32	80	10
12	IT/178 635 9	IT/178 935 9	32	80	12
12	IT/178 638 9	IT/178 938 9	52	100	12
14	IT/178 641 0	IT/178 941 0	52	100	14
16	IT/178 647 0	IT/178 947 0	55	110	16
18	IT/178 651 0	IT/178 951 0	55	120	18
20	IT/178 656 0	IT/178 956 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. **DYNAMIC** carbide for maximum durability in abrasive materials. For use on routers and machining centres with and without CNC control.

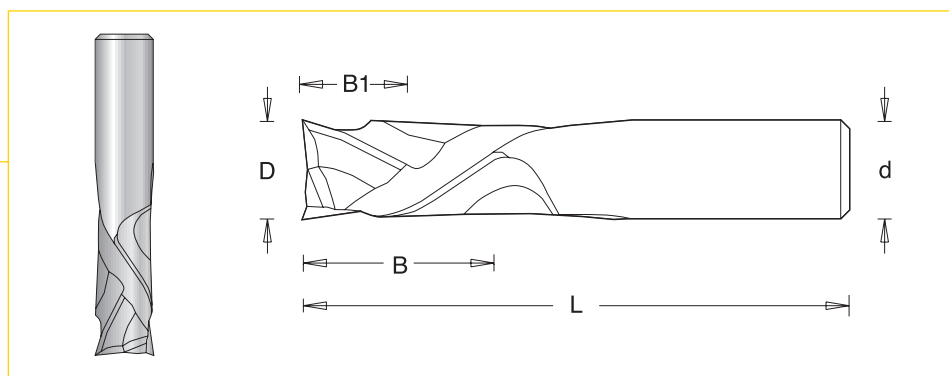
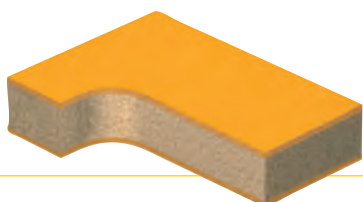


øD mm	øD ins	Product Ref.	B	L	d
6	-	IT/174 220 3	20	60	6mm
6.35	1/4	S57/01X1/4STC	19	64	1/4"
8	-	IT/174 227 5	25	70	8mm
9.5	3/8	S57/1X8MMSTC	25.4	70	3/8"
10	-	IT/174 233 7	32	80	10mm
12	-	IT/174 235 9	32	80	12mm
12	-	IT/174 237 9	42	90	12mm
12	-	IT/174 238 9	52	100	12mm
12.7	1/2	S57/2X1/2STC	38.1	89	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. **DYNAMIC** carbide for maximum durability in abrasive materials. For use on routers and machining centres with and without CNC control.

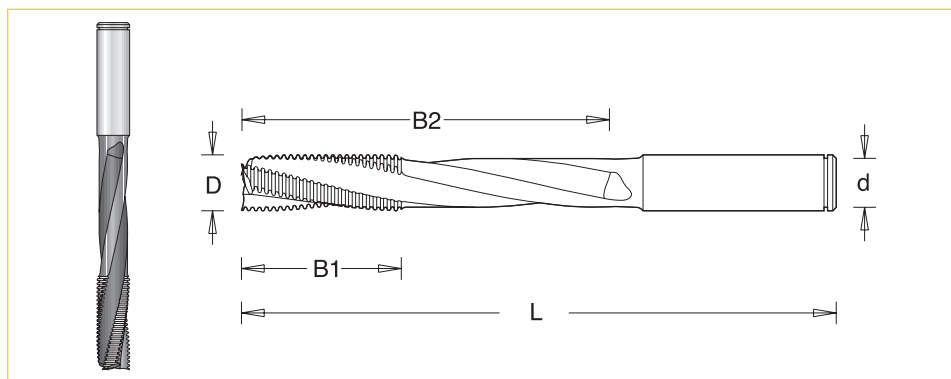


øD	Product Ref.	B	B1	L	ød
6	IT/174 320 3	20	6	60	6
8	IT/174 327 5	25	7	70	8
10	IT/174 333 7	32	8	80	10
12	IT/174 335 9	32	8	80	12
12	IT/174 337 9	42	13	90	12
14	IT/174 342 0	52	14	100	14
16	IT/174 348 0	52	14	110	16
18	IT/174 351 0	52	14	120	18
20	IT/174 356 0	52	14	120	20
20	IT/174 358 0	72	20	135	20



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.

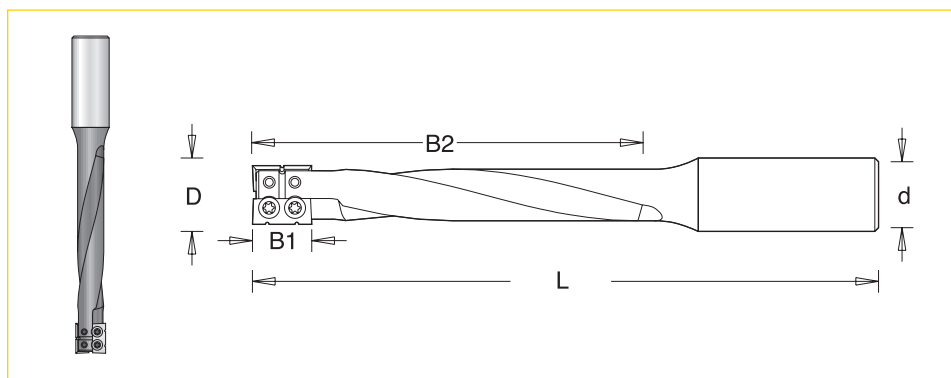
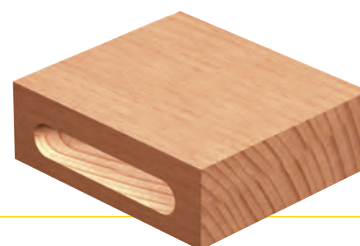


øD	Product Ref.	B1	B2	L	ød	n
14	IT/178 640 0	45	95	150	14	18,000
16	IT/178 646 0	45	115	170	16	18,000
18	IT/178 652 0	45	115	170	18	18,000



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

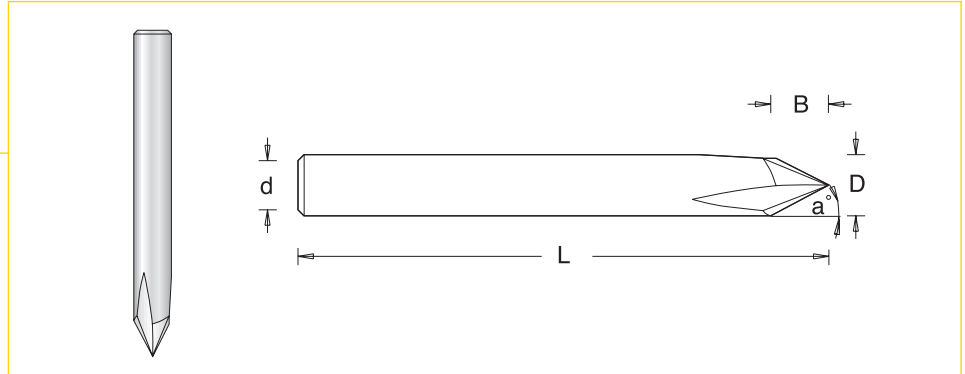
Description	T.C. Blade		Torx® Screw	Torx® Key
Product Ref.	IT/310 771 6/10	IT/310 772 6/10	IT/193 400 0	IT/194 110 0
Size	16x7x1.5	16x7x1.5	M3x4	T9

Blades sold in packs of ten.



Solid Carbide V-Grooving & Engraving Cutters

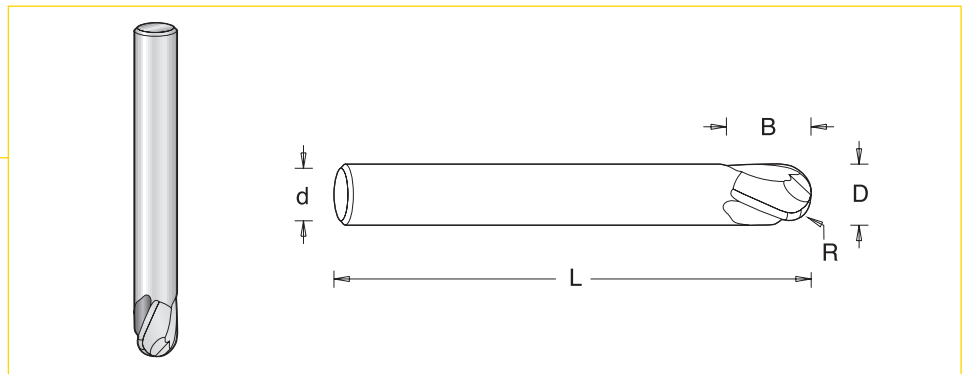
Solid tungsten carbide router cutter complete with one flute. Suitable for producing v-grooves in softwood, hardwood or man-made boards. Tool designed for engraving and sign writing. For use on routers and machining centres with or without CNC control.



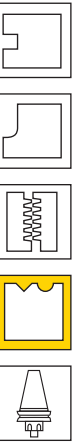
$\varnothing D$	a	Product Ref.	B	L	$\varnothing d$
8	60°	IT/S0105 315 5	7	70	8

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.



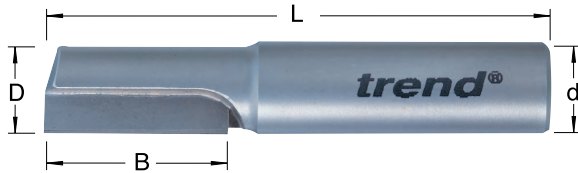
$\varnothing D$	R	Product Ref.	B	L	$\varnothing d$
6	3	IT/S0106 304 3	9	60	6
8	4	IT/S0106 308 5	11	70	8
10	5	IT/S0106 309 7	13	80	10





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

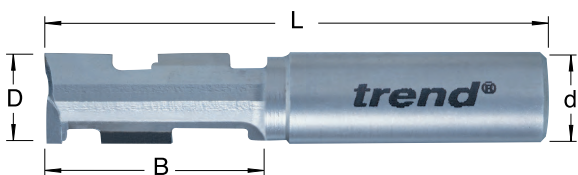
- Single flute with TC plunge tip.
- For MDF, hardboard and solid laminate.
- Single flute prevents edge lines.
- High wear resistance.
- Longer tool life and therefore reduced downtime.
- Cannot be re-sharpened.



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:

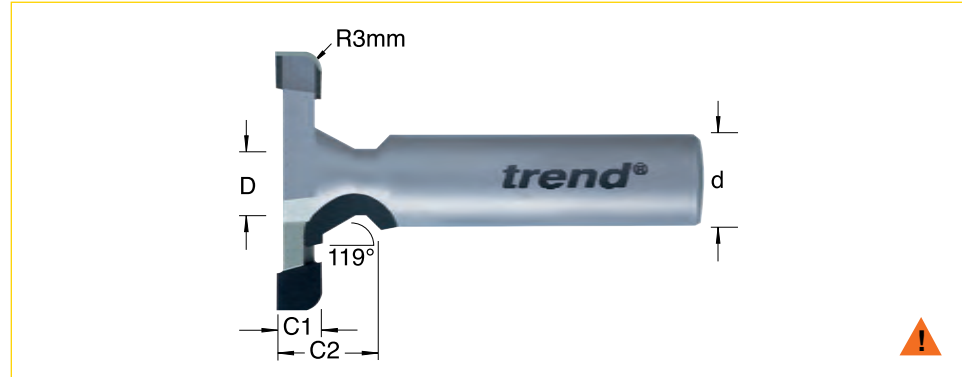
- For fixed head with auto-feed, CNC or NC use only.
- Not for use in any type of hand/portable router.
- 18,000 RPM recommended speed with approximate feed rate of 3 metres per minute.

▲ 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.

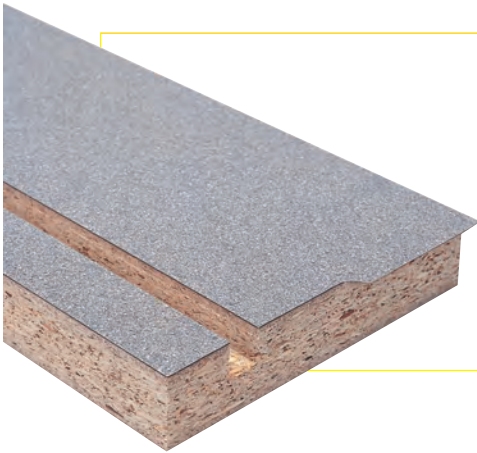


øD ins.	D mm	C1 mm	C2 mm	Product Ref.	ød
30	10.5	7	15	PCD/40X1/2▲	1/2"

▲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.

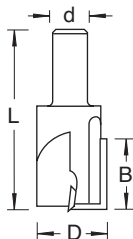
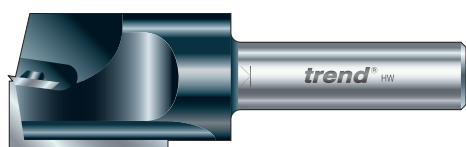
▲ Ref. RT/15, 16 & 17 are suitable for fixed head machines only.

* 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

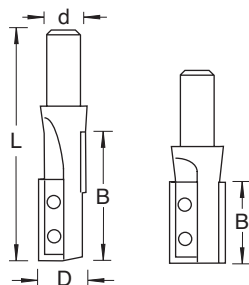


Single Blade with extra plunge tip

- 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
-	25.0	29.5	86	RT/40X1/2TC	1/2"
1	25.4	29.5	86	RT/41X1/2TC	1/2"

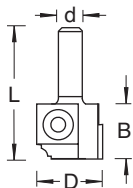


Two Blades

- 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.

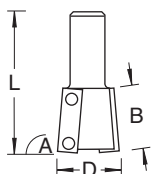
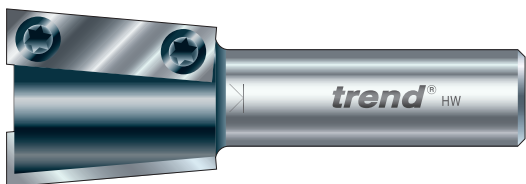
øD ins.	øD mm	B mm	L mm	Product Ref.	ød
5/8	15.9	50	107	RT/21X1/2TC	1/2"
3/4	19.1	50	107	RT/23X1/2TC	1/2"
7/8	22.2	29.5	88	RT/24X1/2TC	1/2"



Two Blades - 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	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 - stair housing

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

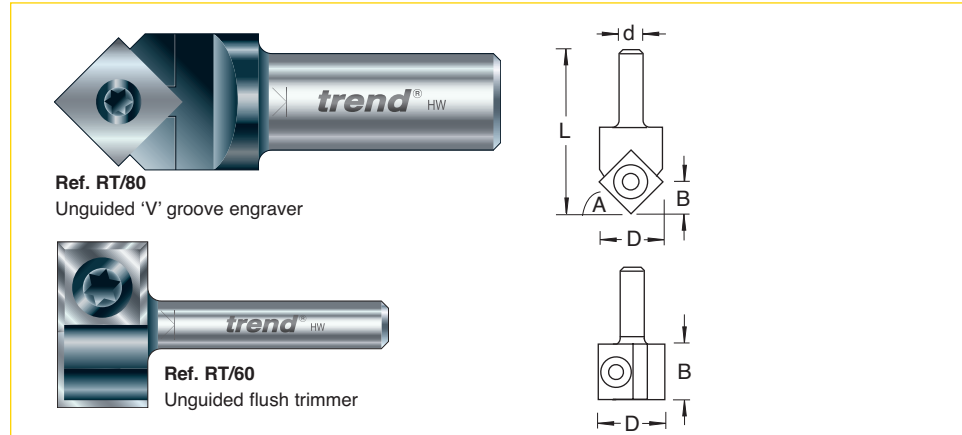
øD ins.	øD mm	B mm	Angle	L mm	Rotation	Product Ref.	ød
7/8	22	28	95°	80	RH	RT/323X1/2TC	1/2"
7/8	22	28	95°	80	LH	RT/323X1/2LTC	1/2"



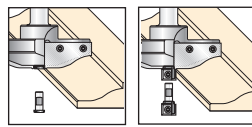
Rota-Tip® - Replaceable Tips Continued

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.



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

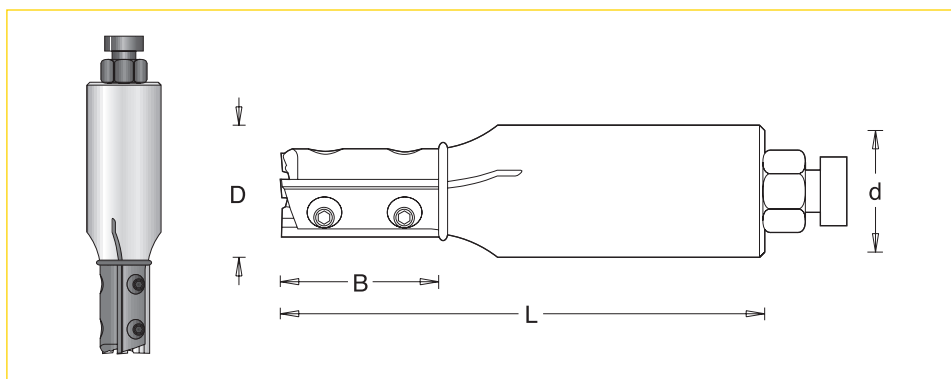
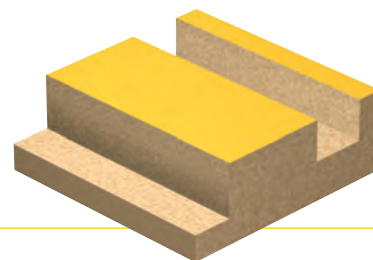
Product Ref.	Key		Screw				Replaceable Blades									
	RT/KEY	RT/KEY/T9	RT/3.0	RT/3.5	SP-46/02D	SP-46/01D	RB/A	RB/B	RB/C	RB/D	RB/E	RB/F*	RB/G	RB/H	RB/R	
	Torx® T15	Torx® T9	M3x4mm dome 5.5mmØ	M3.5x5mm head diameter Torx®	M4 x 5.5mm head diameter Torx®	M3 x 5mm grub screw hex	L	29.5mm	49.5mm	29.5mm	7.5mm	12.0mm	30.0mm	8.4mm	49.5mm	28.0mm
							W	9.0mm	12.0mm	12.0mm	12.0mm	12.0mm	12.0mm	5.6mm	9.0mm	9.0mm
							T	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.



øD	Product Ref.	B	No. of blades	L	ød	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

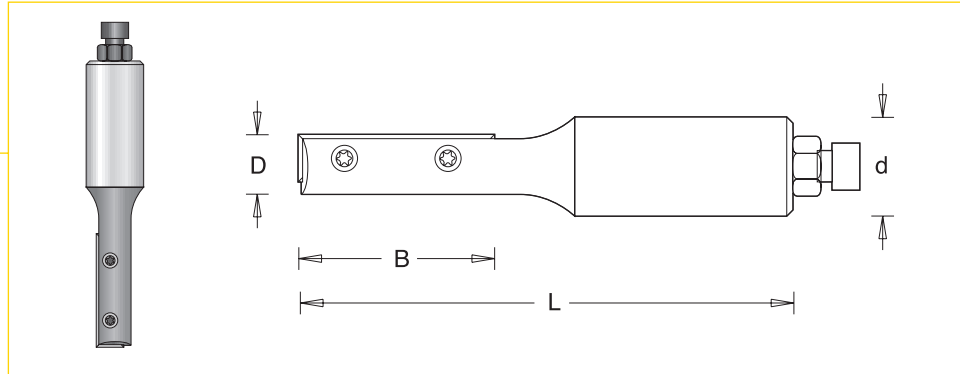
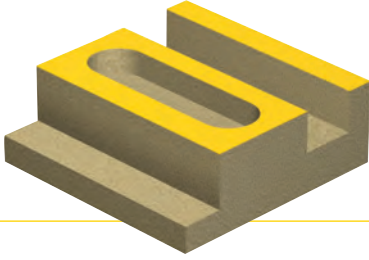
Description	T.C. Blade			Hex Screw*	Hex Screw**	Hex Screw	Hex Key
Product Ref.	IT/310 751 0/10	IT/310 751 1/10	IT/310 751 3/10	IT/193 035 0	IT/193 036 0	IT/193 037 0	IT/194 102 0
Size	20x5.5x1.1 (B = 20)	30x5.5x1.1 (B = 30)	50x5.5x1.1 (B = 50)	M3x4	M3x5	M3x7	S1.5

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

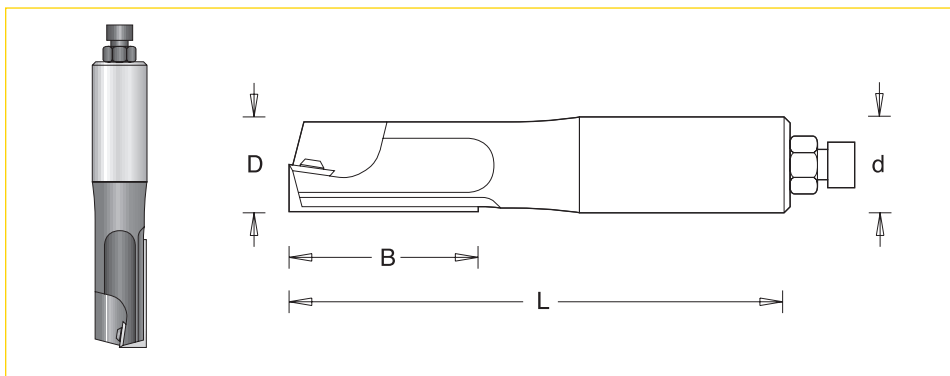
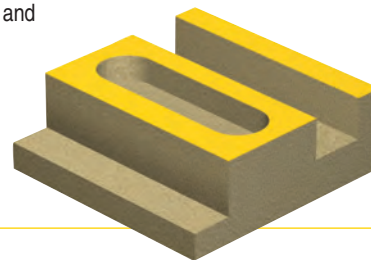
Description	 T.C. Blade 1	 T.C. Blade 2	 T.C. Blade 3	 T.C. Blade 4	 Torx® Screw	 Torx® Key
Product Ref.	IT/310 793 0/10	IT/310 723 0/10	IT/300 752 0/10	IT/310 725 0/10	IT/193 354 8	IT/194 101 5
Size	30x9x1.5	30x12x1.5	50x9x1.5	50x12x1.5	M3.5x4.8	T15

Blades sold in packs of ten.



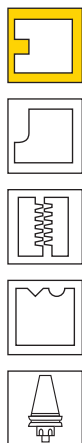
Disposable Insert Straight Router Cutters with Plunge Centre Tip

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.



øD	Product Ref.	B	L	ød	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

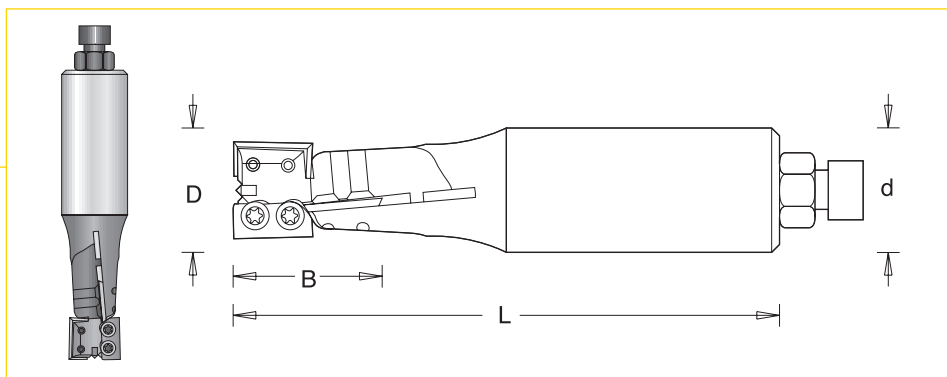
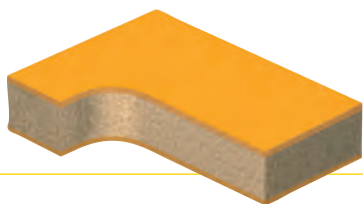
Desc.	T.C. Blade		T.C. Blade (B = 30)			T.C. Blade (B = 50)		
	IT/310 723 0/10 (B = 30)	IT/310 725 0/10 (B = 50)	IT/310 752 6/10 (D = 18)	IT/310 752 6/10 (D = 20)	IT/310 752 3/10 (D = 25)	IT/310 752 3/10 (D = 18)	IT/310 751 2/10 (D = 20)	IT/310 751 2/10 (D = 25)
Size	30x12x1.5	50x12x1.5	7.5x12x1.5	7.5x12x1.5	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.



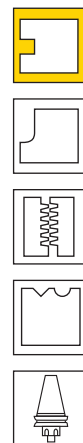
øD	Product Ref.	B	Spare Blade No.	L	ød	n
20	IT/807 320 0	30	1	110	20x55	18,000
20	IT/807 322 0	50	2	130	20x55	18,000

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

Spare Parts

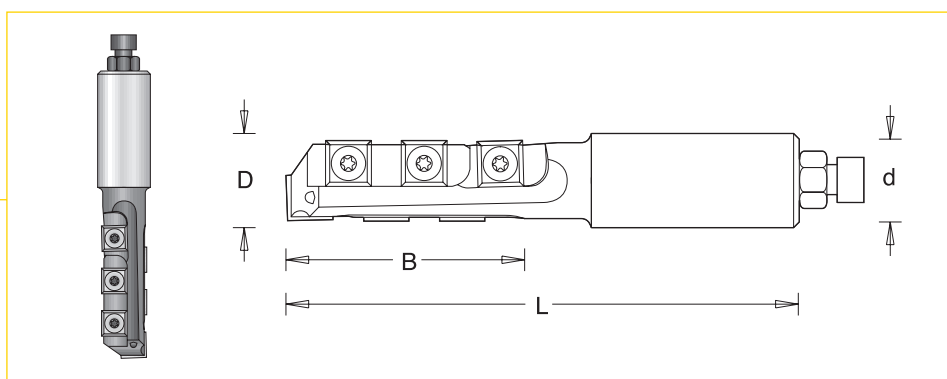
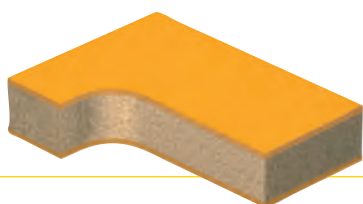
Description	(1) T.C. Blade	(2)	Torx® Screw	Torx® Key
Product Ref.	IT/300 771 6/10	IT/300 772 8/10	IT/193 400 0	IT/194 110 0
Size	16x7x1.5	28x7x1.5	M3x4	T9

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.



øD	Product Ref.	B	L	ød	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

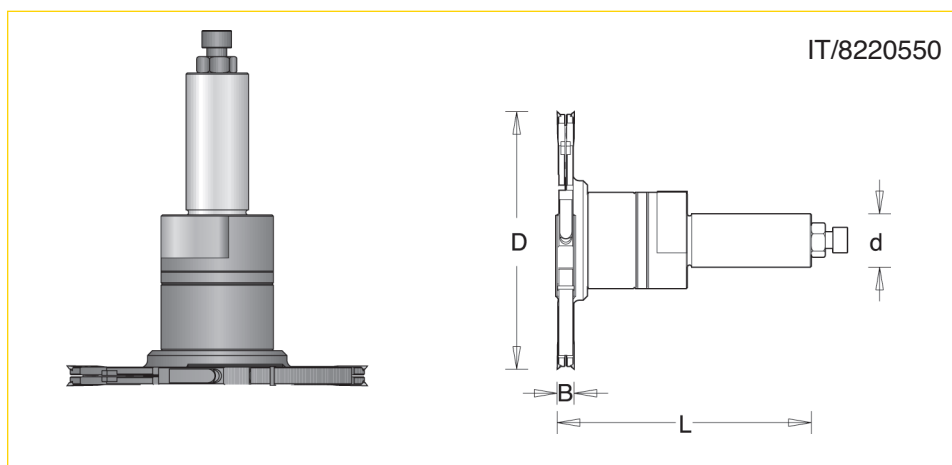
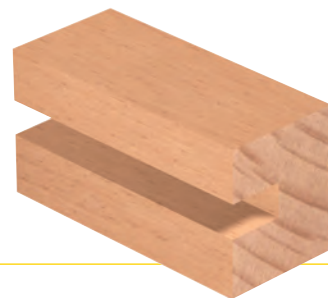
Description	T.C. Blade	Torx® Screw	Torx® Key
Product Ref.	IT/310 121 2/10	IT/193 395 0	IT/194 101 5
Size	12x12x1.5	M4x6	T15

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

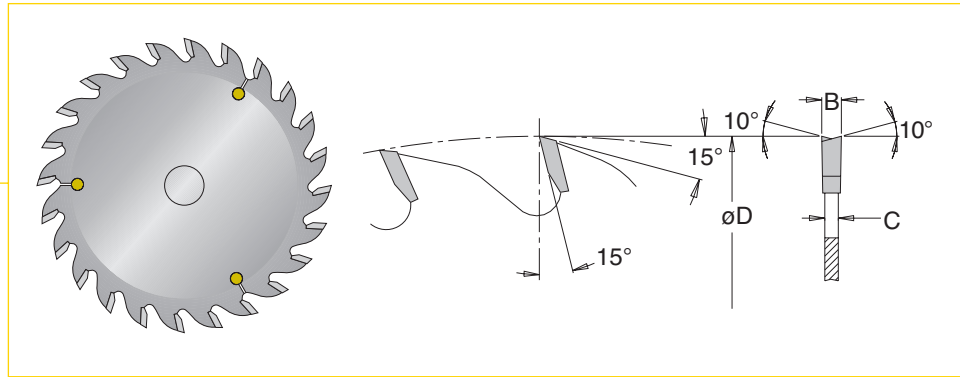
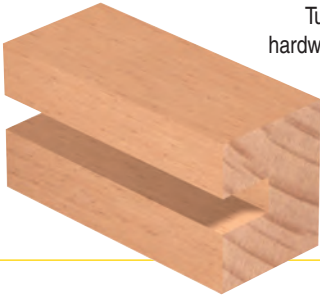
Desc.	T.C. Blade	Wedge	Set Screw	T.C. Blade	T.C. Blade	T.C. Blade NutTorx® ScrewWasher Set					
Prod. Ref.	IT/310 751 2/10	IT/199 031 0	IT/193 060 0	IT/300 850 1/10	IT/300 850 2/10	IT/192 350 0	IT/192 360 0	IT/193 028 0	IT/192 619 0		
Size	7.5x12x1.5	L=6.5	M5x16	18x18x2	14x14x1.2	M4x0.5x11.1	M4x0.5x9.90	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.

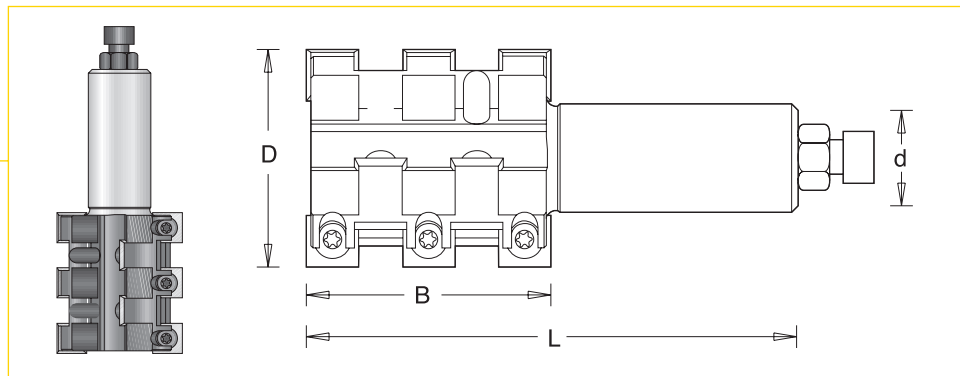
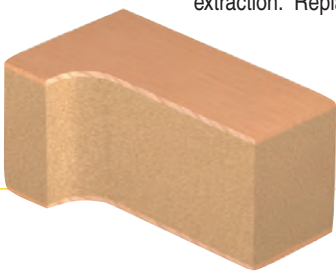


$\varnothing D$	B	Product Ref.	Teeth	C	$\varnothing d$	Pin Holes
125	3	IT/9010 210 4	24	2.0	22	-
125	4	IT/9010 215 4	24	2.8	22	-
125	5	IT/9010 216 4	24	3.5	22	-
150	3	IT/9010 220 3	24	2.0	20	1/6/46
150	4	IT/9010 223 3	24	2.8	20	1/6/46
150	5	IT/9010 224 3	24	3.5	20	1/6/46
180	3	IT/9010 230 3	30	2.0	20	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.



$\varnothing D$	Product Ref.	No. of blades.	B	L	$\varnothing d$	n
50	IT/807 350 0	10	56	113	20x55	18,000
50	IT/807 355 0	14	78	135	20x55	18,000

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

Spare Parts

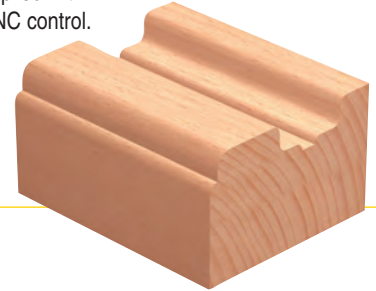
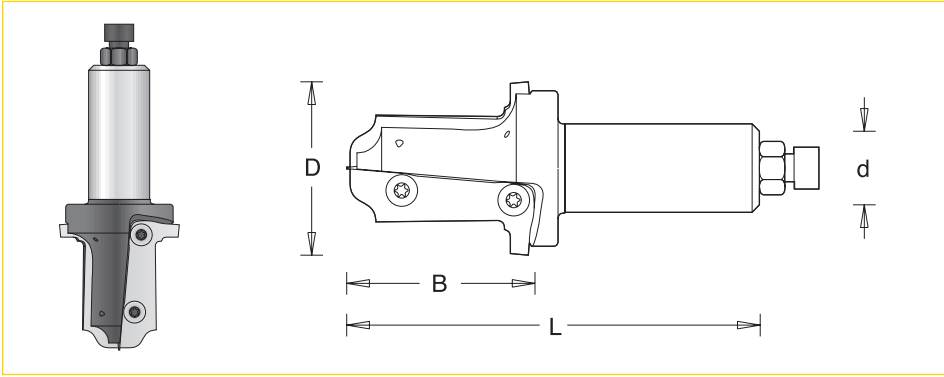
Description	T.C. Blade	Torx® Screw	Torx® Key
Product Ref.	IT/310 121 2/10	IT/193 148 2	IT/194 101 5
Size	12x12x1.5	M4x5.6	T15

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'.

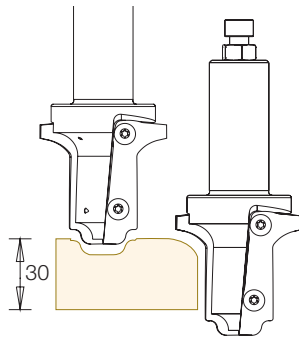
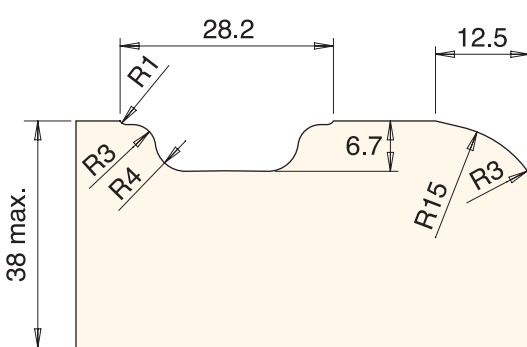
*Please contact our technical department on 01923 224681 for price & delivery on special profiles.

Spare Parts

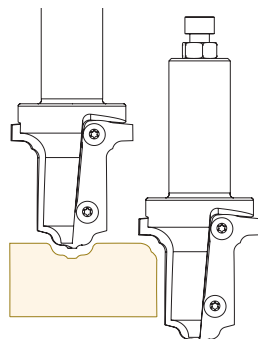
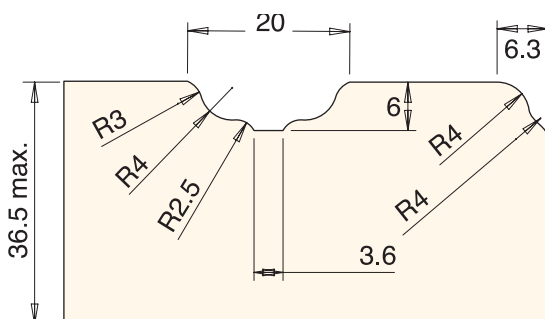
Description	T.C. Blade Profile 1	T.C. Blade Profile 2	Torx® Screw	Torx® Key
Product Ref.	IT/315 300 1	IT/315 300 2	IT/193 395 0	IT/194 106 0
Size	54x20x2	54x20x2	M4x8	T20

Blades sold in singles.

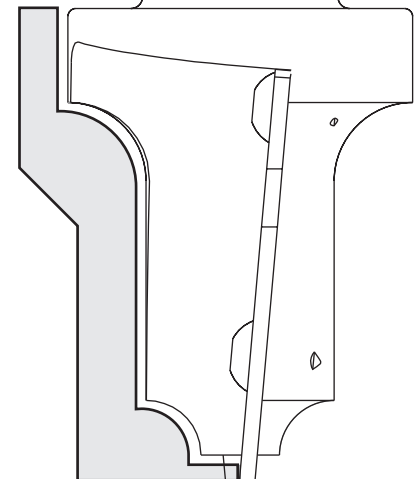
Profile 1



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.

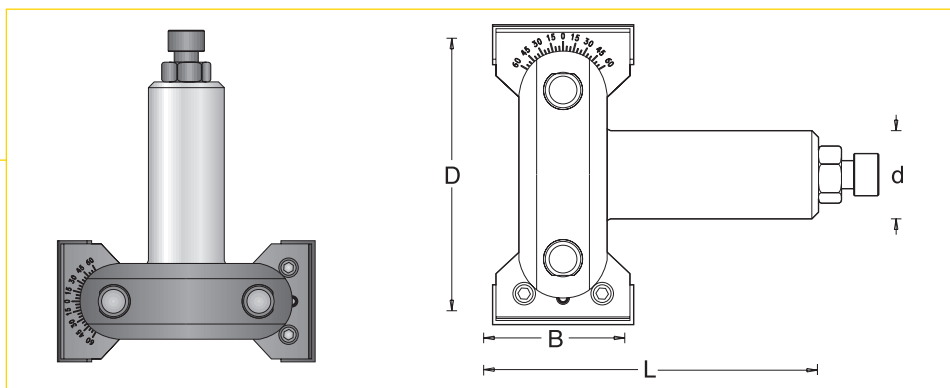


Scale 1:1



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.

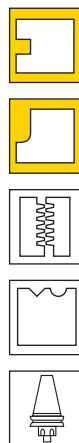


øD	a	Product Ref.	B	L	ød	n
85	-45° → +90°	IT/854 001 1	40	100	20	12,000
85	-45° → +90°	IT/854 001 0	40	100	25	12,000

Spare Parts

Description	T.C. Blade	Wedge	Locking Wedge	Set Screw	Set Screw	Hex Key	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

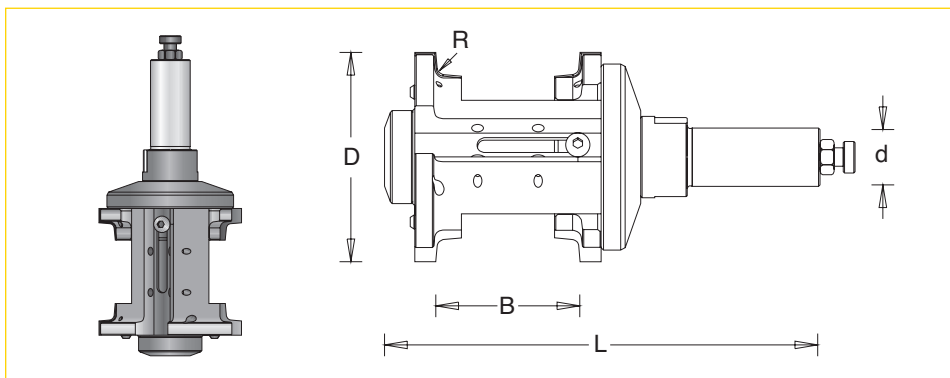
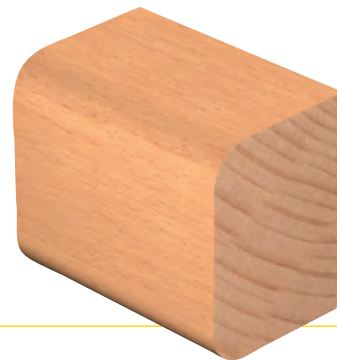
Blades sold in packs of ten.





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'.

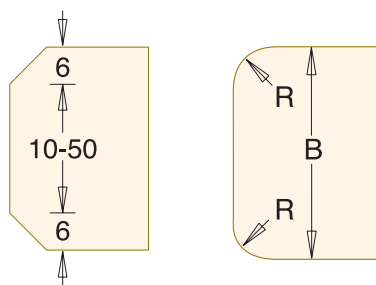
! No shims are required to adjust the depth of cut.

Spare Parts

Description	* T.C. Blade						
	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

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

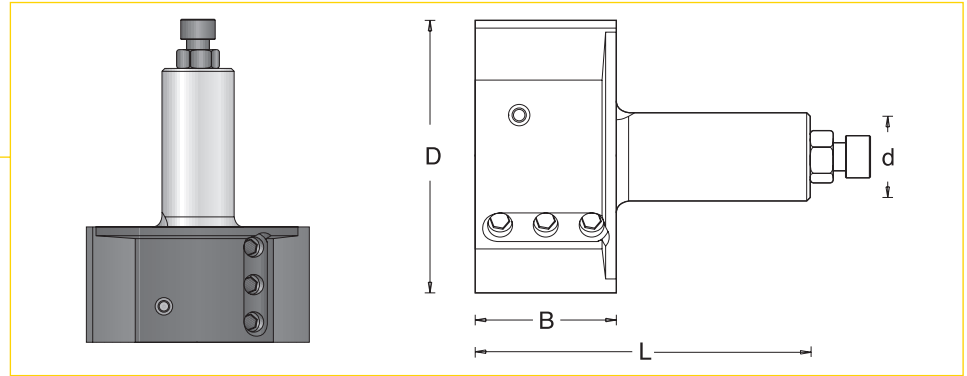
Description	
Product Ref.	IT/199 715 0
Size	-





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

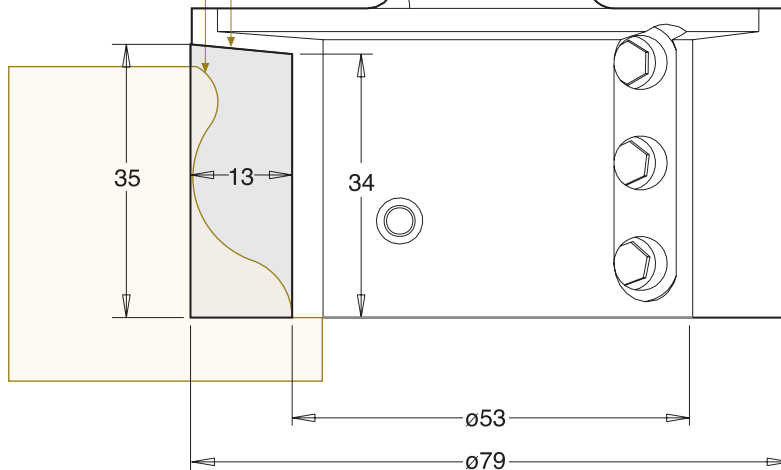
*Please contact our technical department on 01923 224681 for price & delivery on special profiles.



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.

Available profile area
Profile sample fit

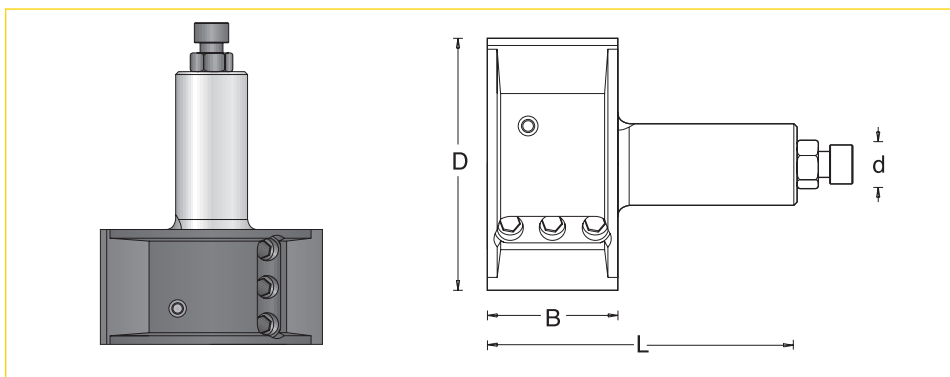


Scale 1:1



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.



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



Spare Parts

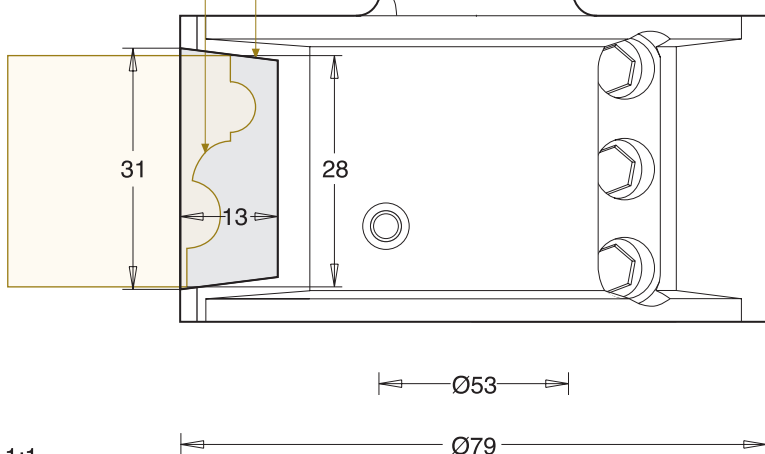
Description	Special	Wedge	Support Plate	Set Screw	Hex Key
Product Ref.	Profile	IT/199 022 0	IT/199 110 0	IT/193 026 6	IT/194 003 6
Size		40x13.5x8	40x26x4	M8x12	S4

*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.

Available profile area
Profile sample fit

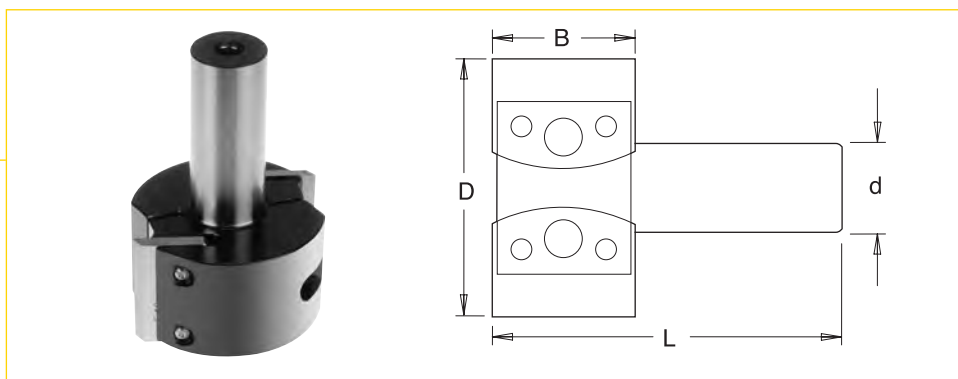


Scale 1:1



Multi Profile System for CNC

Multi profile cutter to take the complete range of 40 x 4 and 50 x 4mm 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.

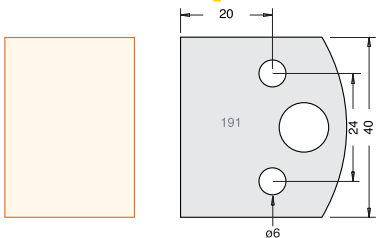


øD	Product Ref.	B	L	ød	n
66	IT/871 006 1	40/50	90	20	12,000
66	IT/871 006 0	40/50	90	25	12,000

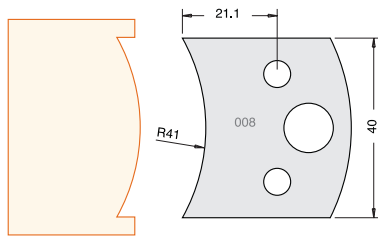
Spare Parts

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

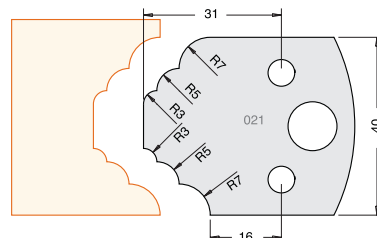
Profile Examples:



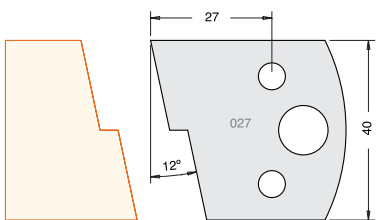
Kn IT/33 191 40
Li IT/34 191 40



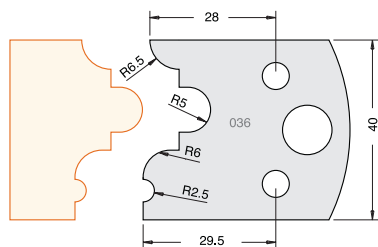
Kn IT/33 008 40
Li IT/34 008 40



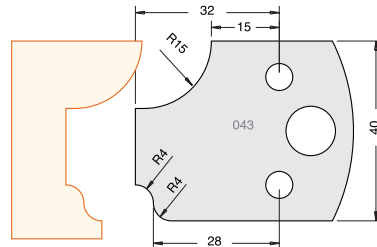
Kn IT/33 021 40
Li IT/34 021 40



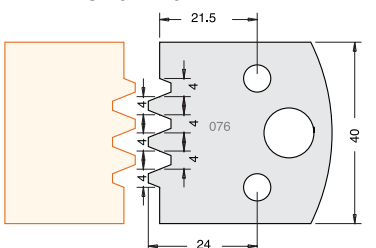
Kn IT/33 027 40
Li IT/34 027 40



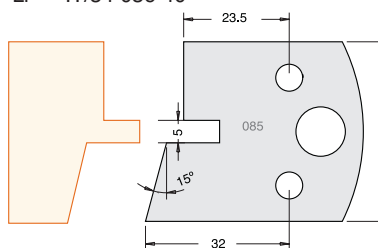
Kn IT/33 036 40
Li IT/34 036 40



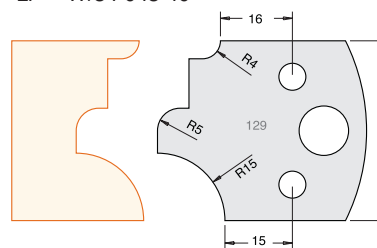
Kn IT/33 043 40
Li IT/34 043 40



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



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



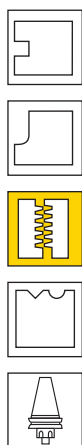
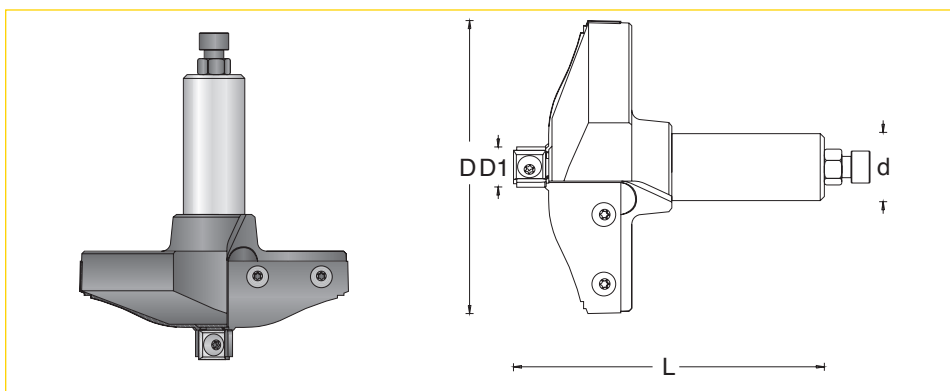
Kn IT/33 129 40
Li IT/34 129 40

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

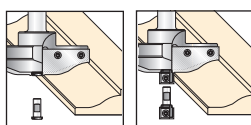


Disposable Insert Multi Profile Raised Panel Router Cutters

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

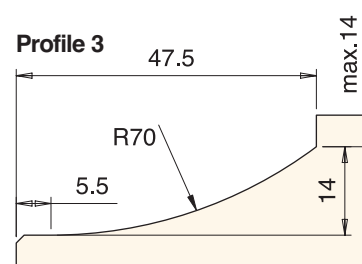
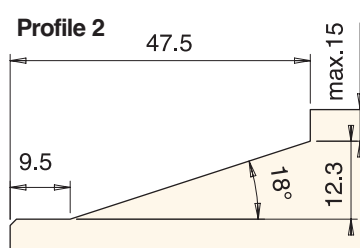
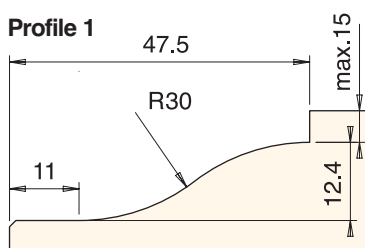


⚠ Also available with 25mm diameter shank, replace the last digit with an 'H'.

⚠ 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

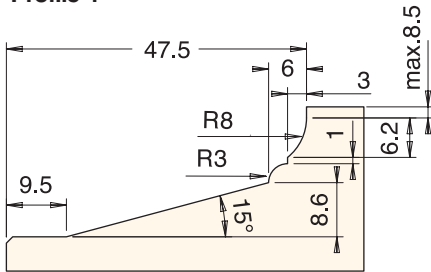
Desc.	 T.C. Blade							
Product Ref.	IT/352 220 1 Profile 1	IT/352 220 2 Profile 2	IT/352 220 3 Profile 3	IT/352 220 4 Profile 4	IT/352 220 5 Profile 5	IT/352 220 6 Profile 6	IT/352 220 7 Profile 7	IT/352 220 8 Profile 8
Size	50x30.5x2	50x30.5x2	50x30.5x2	50x30.5x2	50x30.5x2	50x30.5x2	50x30.5x2	50x30.5x2
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				



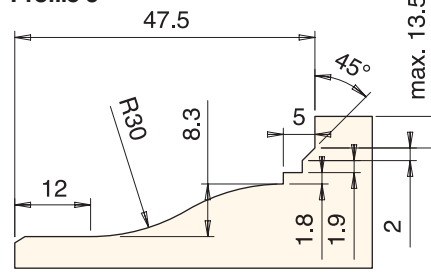


Disposable Insert Multi Profile Raised Panel Router Cutters

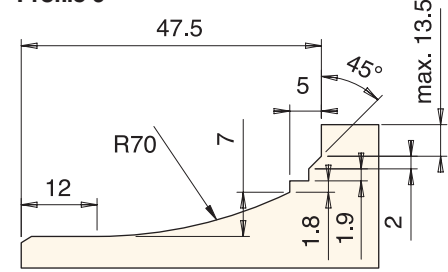
Profile 4



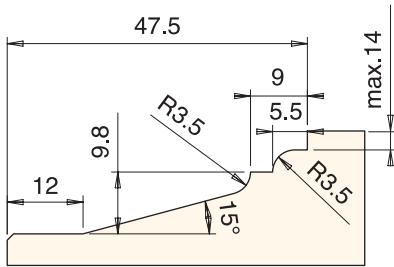
Profile 5



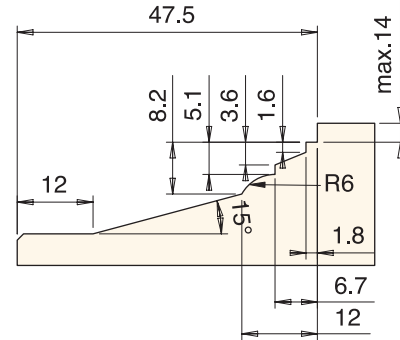
Profile 6



Profile 7

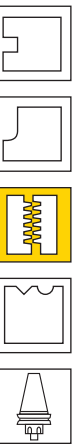
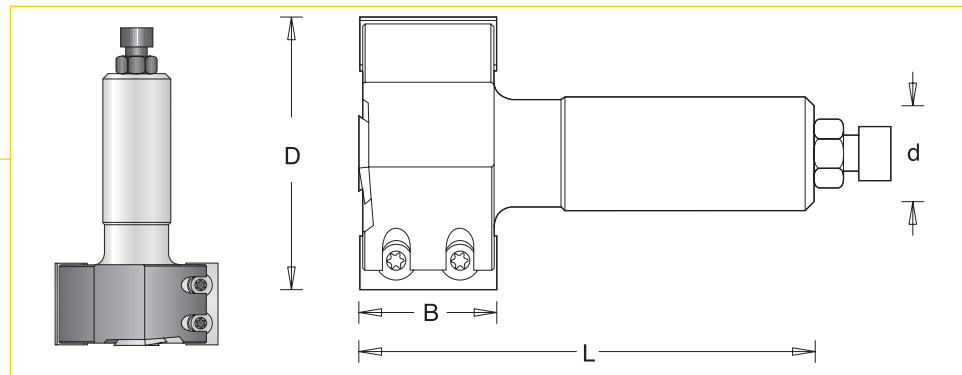
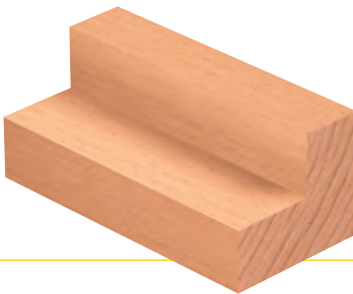


Profile 8



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

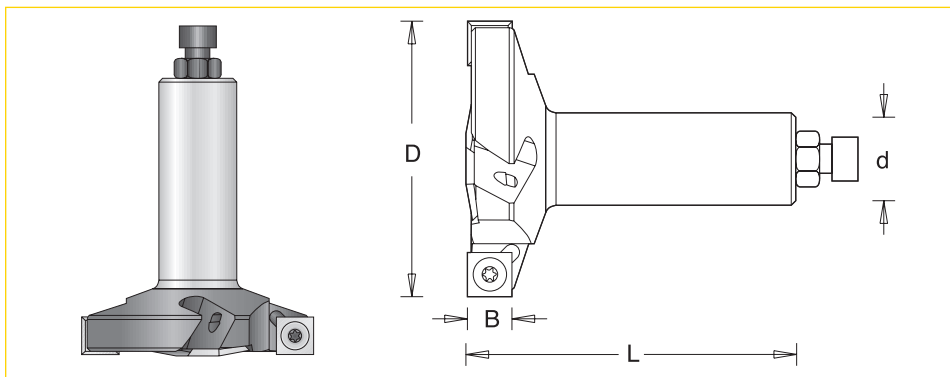
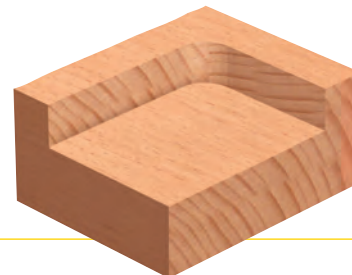
Description	T.C. Blade		Torx® Screw		Torx® Key	
Product Ref.	IT/310 123 0/10	IT/310 125 0/10	IT/300 850 3/10	IT/193 148 1	IT/193 370 0	IT/194 101 5
Size	30x12x1.5	50x12x1.5	14x14x2	M4x5.6	M5x6.3	T15

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

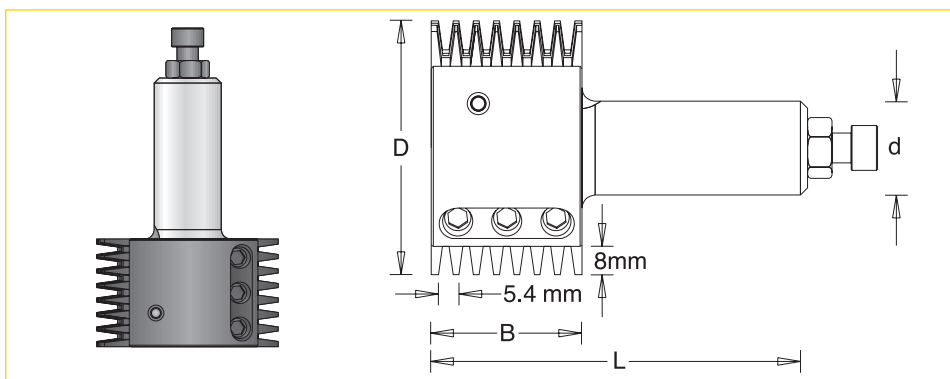
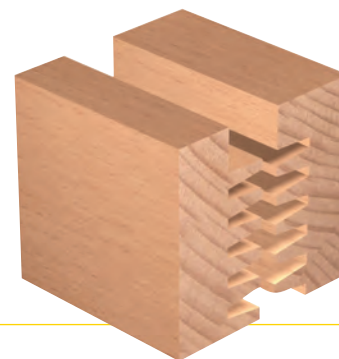
Spare Parts

Description	T.C. Blade		Torx® Screw		Torx® Key	
Product Ref.	IT/310 121 2/10	IT/300 850 3/10	IT/193 395 0	IT/193 370 0	IT/194 101 5	IT/194 106 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

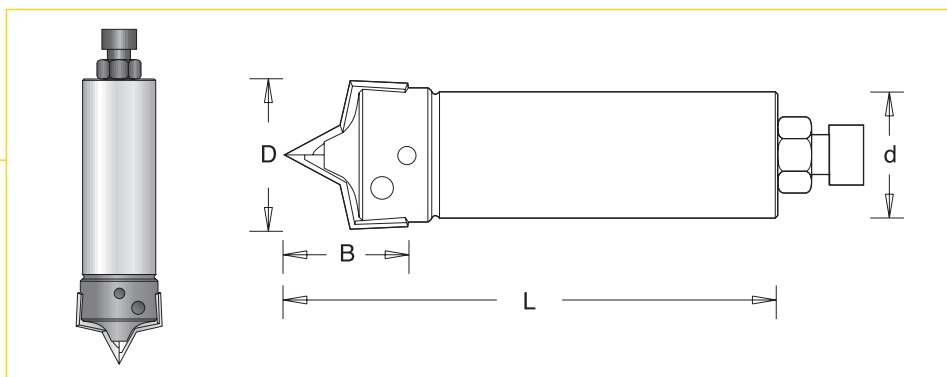
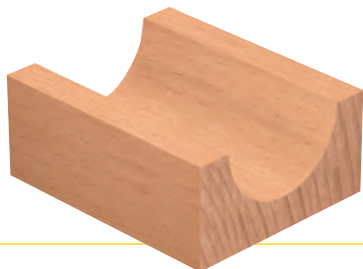
Description	T.C. Blade	Backing Plate	Hex Screw	Wedge	Hex Key
Product Ref.	IT/315 650 2	IT/199 110 1	IT/193 040 0	IT/199 022 0	IT/194 003 6
Size	40x28x1.5	40x22.5x4	M8x10	40x13.5x8	S4

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

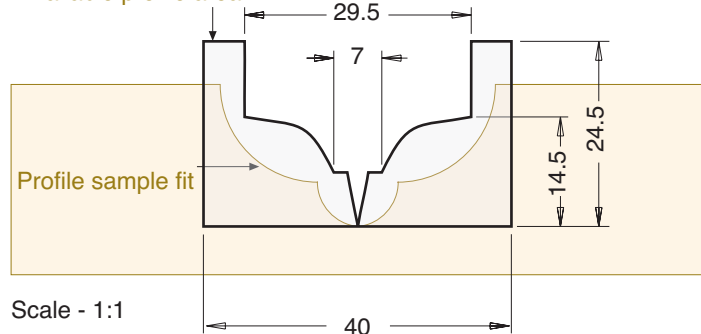
*Please contact our technical department on 01923 224681 for price & delivery on special profiles.

Spare Parts

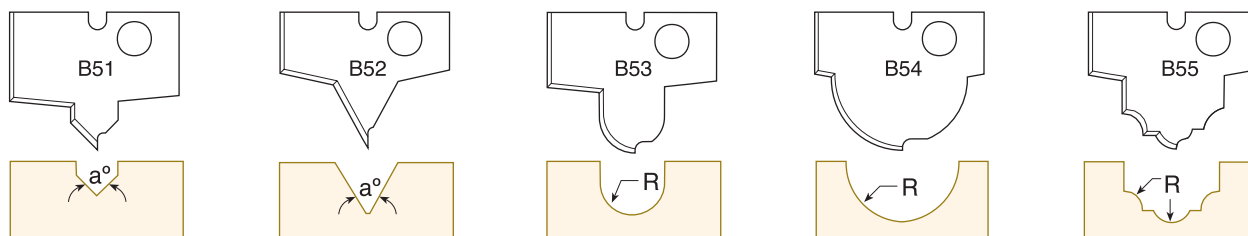
Description	T.C. Blade					Wedge	Set Screw	Hex Key
	B51	B52	B53	B54	B55			
Product Ref.	IT/351 051 0	IT/351 050 5	IT/351 060 5	IT/351 061 0	IT/351 310 5	IT/199 050 0	IT/193 049 0	IT/194 008 0
Size	31x25x2	31x25x2	31x24x2	31x24x2	31x24x2	L=28	M5x10	S2.5

Blades sold in singles.

Available profile area



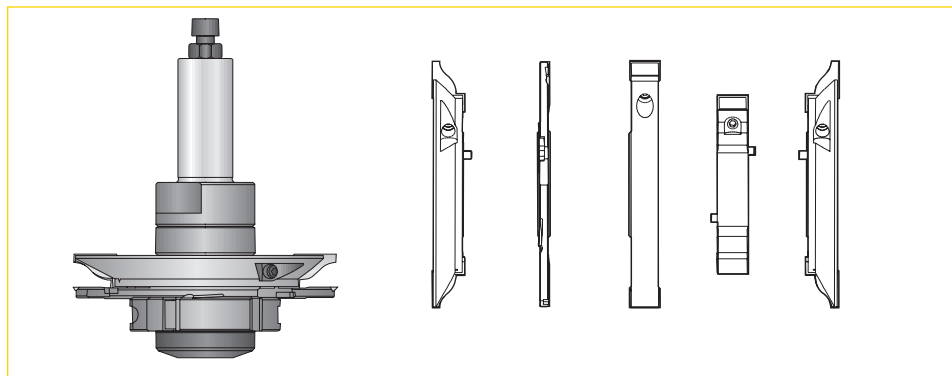
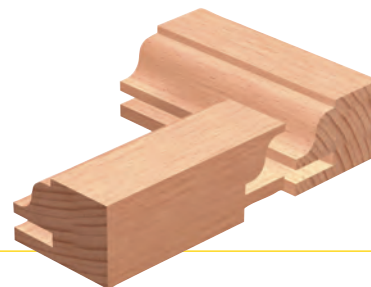
Scale - 1:1





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

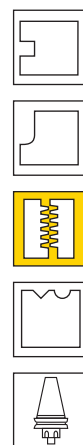
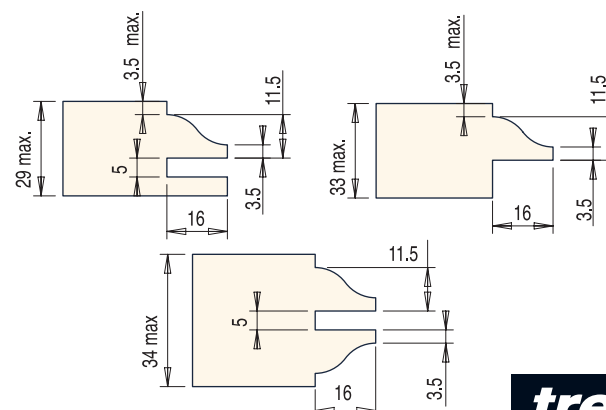
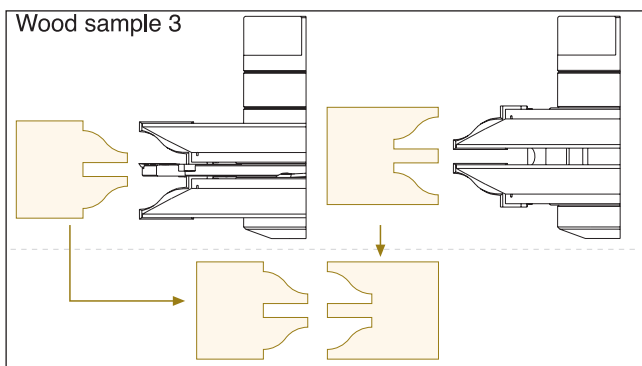
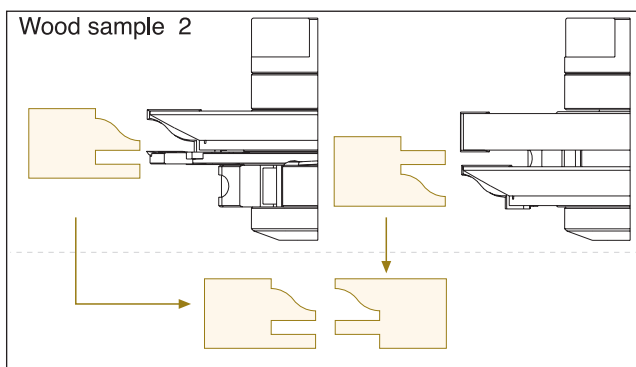
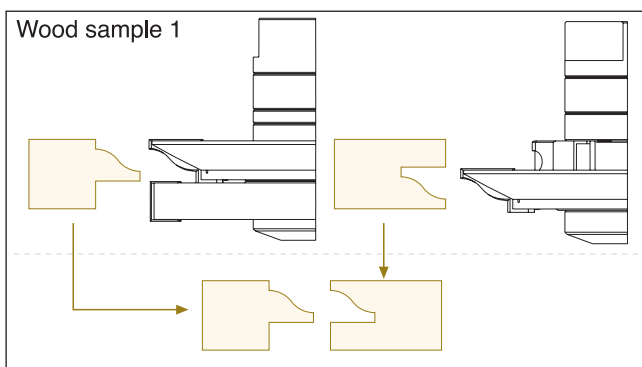
Cutter 2	 **					
Description	T.C. Blade		T.C. Blade Nut		Torx® Screw	Torx® Key
Product Ref.	IT/300 850 4/10	IT/300 850 2/10	IT/192 360 0	IT/192 350 0	IT/193 030 0	IT/194 110 0
Size	18x18x2.5	14x14x1.2	M4x0.5x9.9	M4x0.5x11.1	M4x4	T9

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



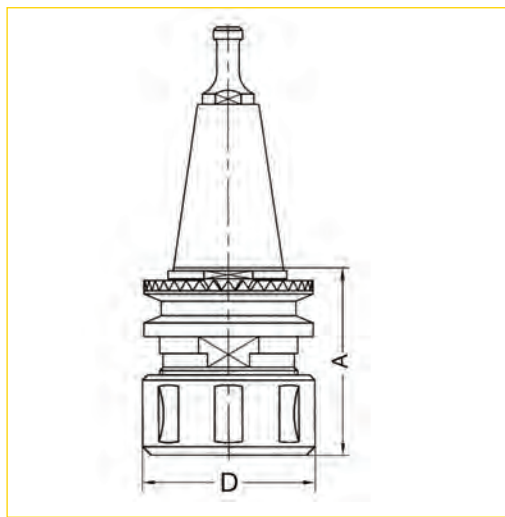


CNC Tool Holders and Arbors

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 Morbidelli 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 Standard	øD	A	Collet Standard
IT/641 010	ISO 30	50	55	ER32

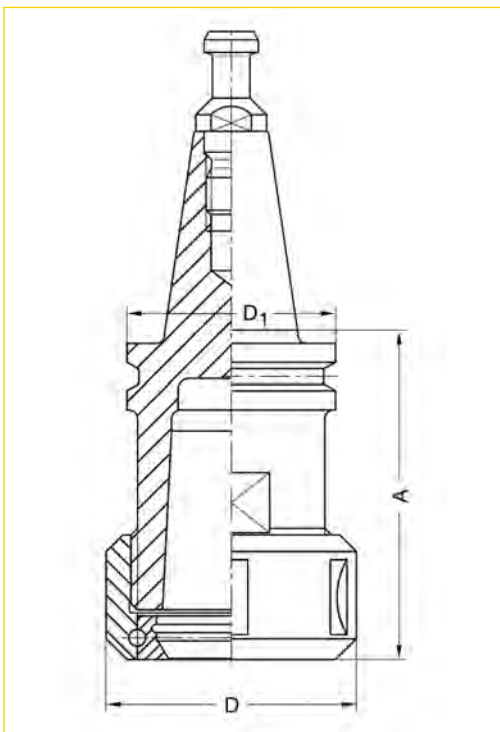
Spare Parts

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 Standard	øD	A	Collet 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.



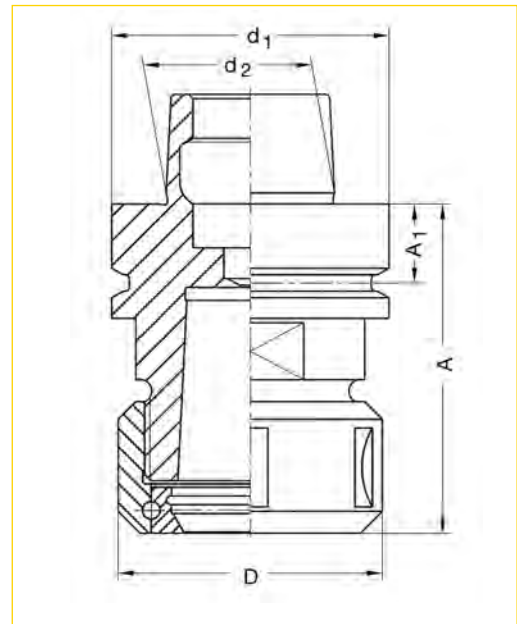
HSK63-F Tool Holders

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

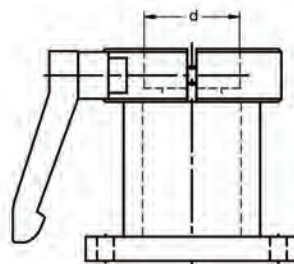
Description	Product Ref.
Ball bearing clamping nut to suit ER32 Chucks (M40x1.5)	IT/TH/CNM40
Ball bearing clamping nut to suit ER40 Chucks (M48x2.0)	IT/TH/CNM48
C - Spanner to suit M40 clamping Nut	IT/TH/CSM40
C - Spanner to suit M48 clamping Nut	IT/TH/CSM48
Engineers' wrench SW46	IT/TH/EW46



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

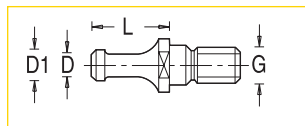


Please note: Other sizes of CNC tool holders & arbors are available on request. Please contact our technical department on 01923 224681.

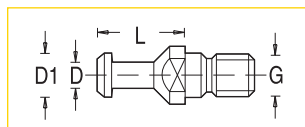


Pullstuds for Tool Holders

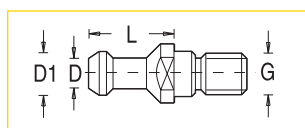
Pull studs to suit CNC Tool Holders on page 154.



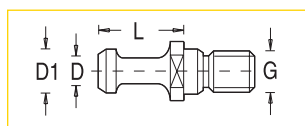
For Machines	Adapter	Product Ref.	øD1	ød	L	G
Morbidelli, SCM	ISO 30	IT/650 010	8.5	6.5	22	M10



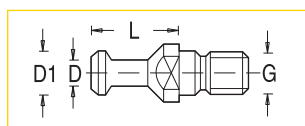
Busellato, Weeke, Bulleri, Maka, IMA	ISO 30	IT/650 011	13	9	24	M12
Cosmec, Reinchenbacher, Maka	ISO 40	IT/650 020	19	14	26	M16



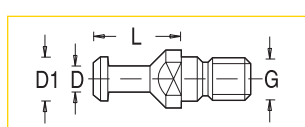
Alberti, Vitap, Masterwood	ISO 30	IT/650 013	13	9	24	M12
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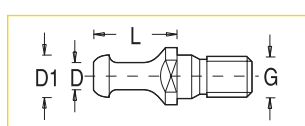
Esseteam	ISO 30	IT/650 014	12	8	24	M12
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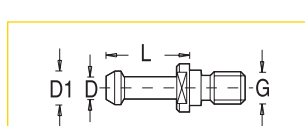
CMS	ISO 30	IT/650 015	12.8	9	24	M12
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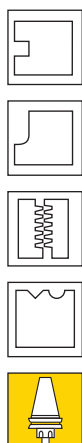
Biesse (Before 09/92)	ISO 30	IT/650 017	12	8	24	M12
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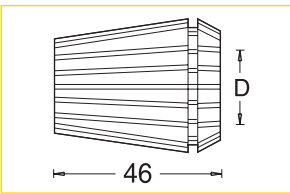
Biesse (After 09/92), Masterwood	ISO 30	IT/650 018	12	8	24	M12
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Shoda	BT 30	IT/650 031	11	7	23	M12
Heian	BT 35	IT/650 040	13	8.5	28	M12



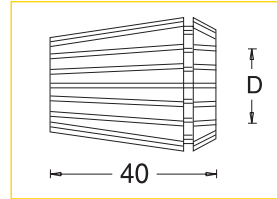
Collets for ER40 Nut



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

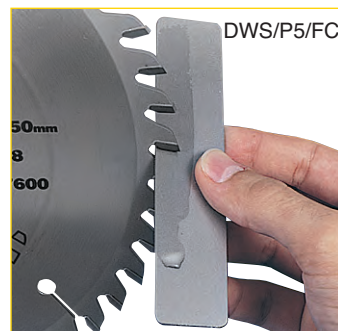
SOLID DIAMOND WHETSTONES

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 & course 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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