

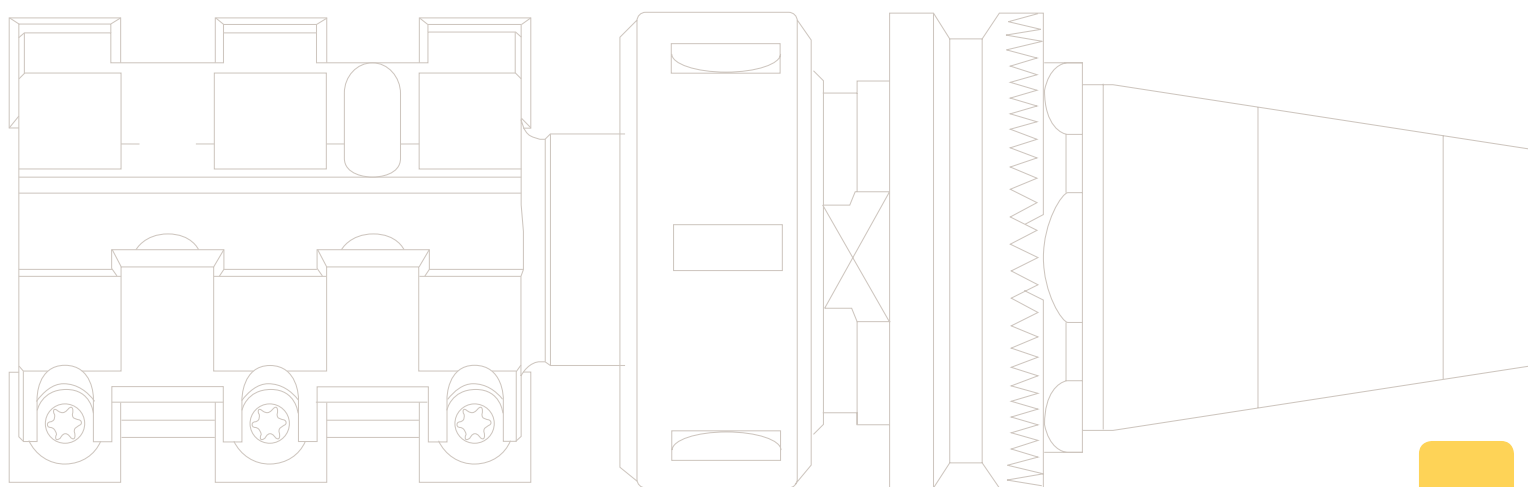


CNC

Tooling for CNC machines, includes solutions for both basic and advanced applications.

All tools are produced from high quality steel.

- High quality carbide, adaptable grades to suit cutting requirements.
- Dnamic™ solid carbide spiral tools for longer life time in abrasive materials.
- Advanced quality control equipment ensuring optimum performance on CNC machines.



CNC INDEX

CNC

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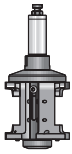
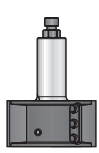
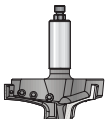
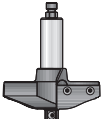
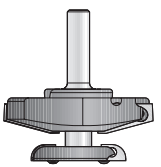
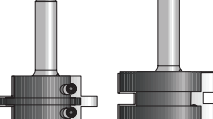
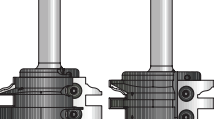
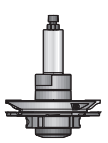
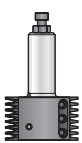
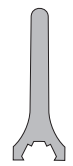
Solid Carbide Roughing Spiral Three Flute	Solid Carbide Roughing Spiral Multi Flute	Multiple Cutting Edge Up & Down Shear Router Cutter	Solid Carbide Straight Router Cutter Double Flute	Solid Carbide Double Flute Spiral
49	49	50	50	51
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51	52	52	51	54
Straight Router Cutter with Plunge Center Tip	Solid Carbide Up & Down Spiral Single Flute - for Solid Wood	Solid Carbide Up & Down Spiral Double Flute	Three Flute Compression Spiral for Nesting Operation	Straight Up & Down Shear Router Cutter
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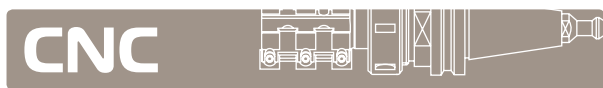
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68	68	69	70	71
				
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72-76	77-78	79-81	82	83
				
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Feed rate chart for spiral tools on CNC machines

The following chart gives you the recommended feed rates for working with different spiral family groups on different wood types.

It is important to understand that these values are only recommendations, because of the dependency which we have between the cutting conditions and the non uniformity of the wood pieces. Wood fiber direction, wood type, wood humidity, clamping stiffness, machine stiffness etc. all these variables together or one by one can change the cutting condition totally.

It is recommended that in any new application you reach the recommended feed rate gradually and if the cutting quality is acceptable you can continue to increase the feed rate values.

Please remember the larger your chip per tip (high feed rate) the life time of the tool is increased.

Explanation of the charts.

Each chart is relating to one type of the different tool families on a different type of wood.

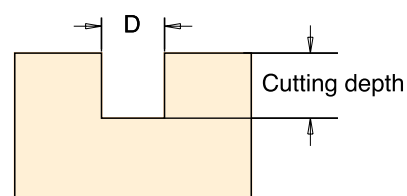
Each line on the chart is relating to the cutting diameter of the tool, if you cannot find the exact diameter, please relate it as a parallel line to the existing lines.

All the information on the charts require a rotation speed of 18,000 RPM, changing the rotation speed has a proportionally direct relation to the feed rate. For example if your tool is rotating at 12,000 RPM you have to decrease the feed rate by the relation of 12,000/18,000.

Cutting depth or wood thickness is given with values which relate to the diameter. For example cutting diameter is 10 mm and wood thickness is 20 mm so it becomes a cutting depth of 2xD.

How to get a feed rate value from the chart.

1. You have to pick the right chart according to the tool family and the wood type.
2. Locate your line on the chart according to the diameter size.
3. Evaluate your wood thickness according to the cutting diameter - is it equal to 1xD or 2xD or 1.5x D etc.
4. Find the right feed rate according to the wood thickness on the chart.



Selecting The Right Tool Family

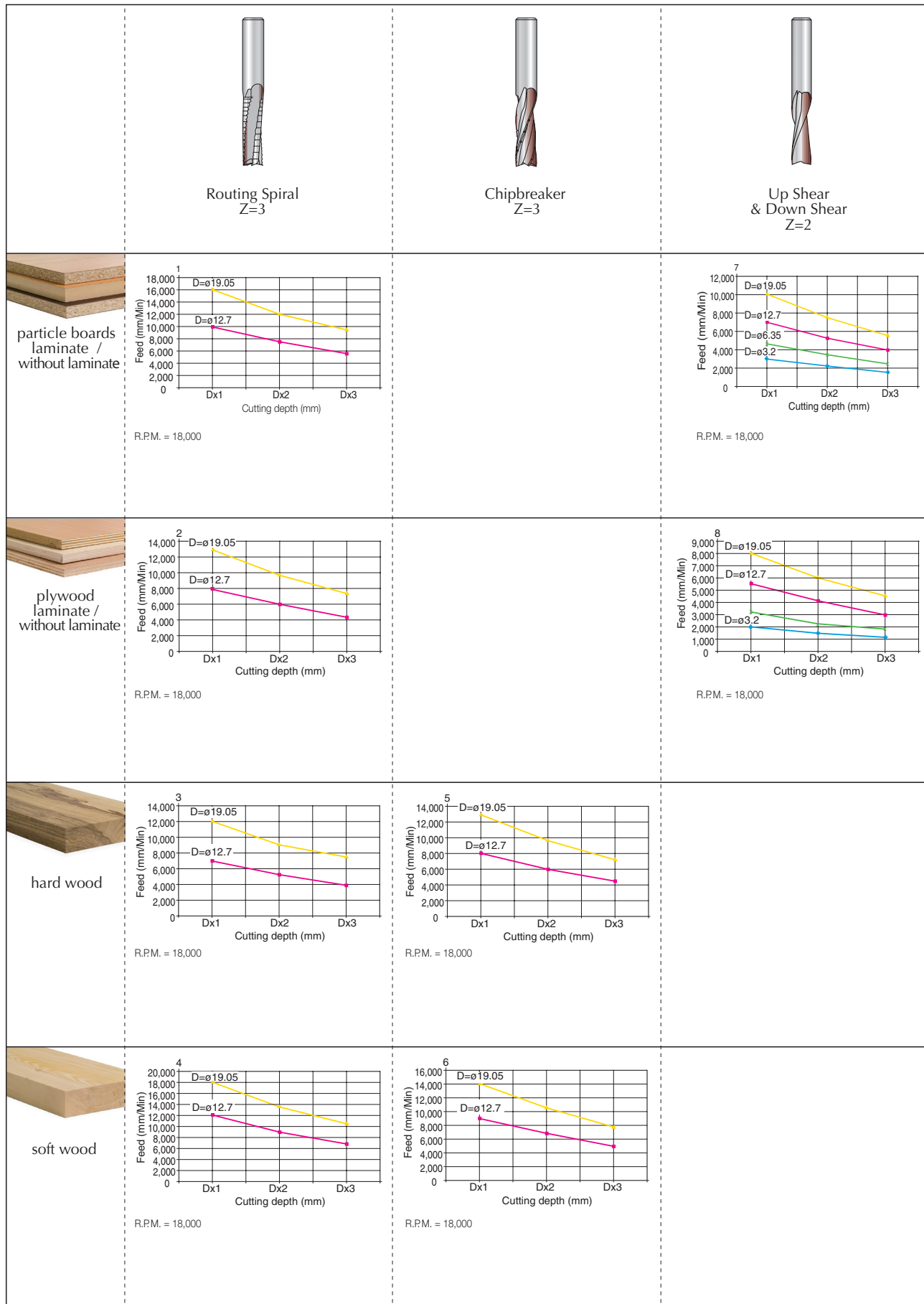
	 Routing Spiral Z=3	 Chipbreaker Z=3	 Up Shear & Down Shear Z=2	 Up Shear & Down Shear Z=2 Solid Wood	 Up Shear & Down Shear Z=3	 Compression Z=1 Solid	 Compression Z=2
 particals boards laminate / without laminate	✓✓✓ Excellent	✗ Not Recommended	✓✓✓ Excellent	✗ Not Recommended	✓✓✓ Excellent	✗ Not Recommended	✓✓✓ Excellent
 plywood laminate / without laminate	✓✓✓ Excellent	✗ Not Recommended	✓✓✓ Excellent	✗ Not Recommended	✓✓✓ Excellent	✗ Not Recommended	✓✓✓ Excellent
 hard wood	✓✓✓ Excellent	✓✓✓ Excellent	✓ Fair	✓✓✓ Excellent	✓✓ Good	✓✓✓ Excellent	✓✓ Good
 soft wood	✓✓✓ Excellent	✓✓✓ Excellent	✓✓ Good	✓✓✓ Excellent	✓✓ Good	✓✓✓ Excellent	✓ Fair

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Feed rate chart for spiral tools on CNC machines

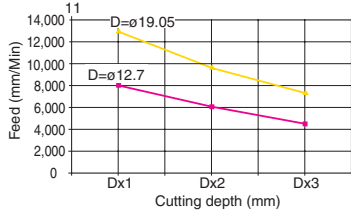
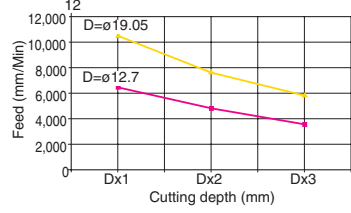
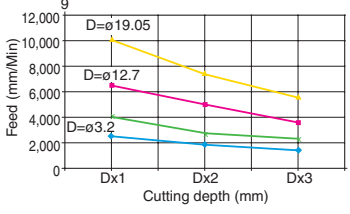
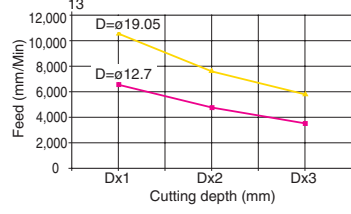
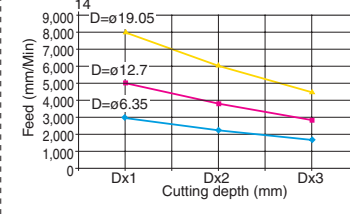
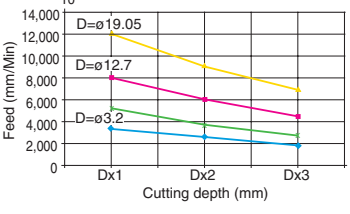
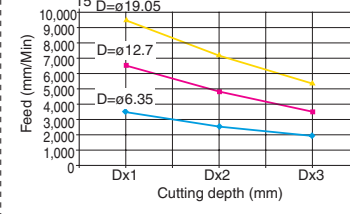


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Feed rate chart for spiral tools on CNC machines

	 Up Shear & Down Shear Z=2 Solid Wood	 Up Shear & Down Shear Z=3	 Compression Z=1 Solid
 particle boards laminate / without laminate		 R.P.M. = 18,000	
 plywood laminate / without laminate		 R.P.M. = 18,000	
 hard wood	 R.P.M. = 18,000	 R.P.M. = 18,000	 R.P.M. = 18,000
 soft wood	 R.P.M. = 18,000		 R.P.M. = 18,000



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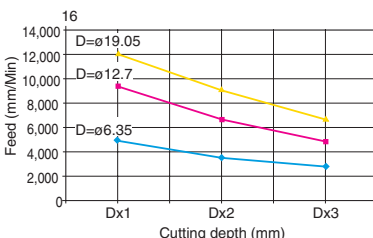
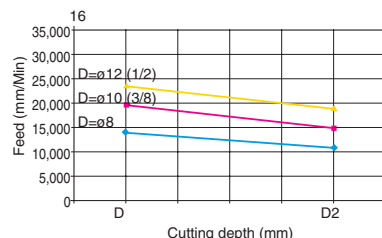
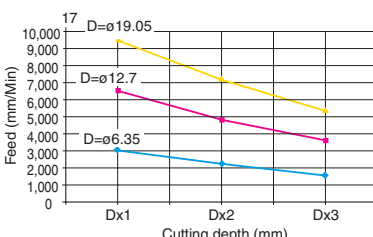


Carving



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Feed rate chart for spiral tools on CNC machines

	 Compression Z=2	 Compression Z=3
 particle boards laminate / without laminate	 R.P.M. = 18,000	 R.P.M. = 24,000
 plywood laminate / without laminate	 R.P.M. = 18,000	

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DNAMIC™

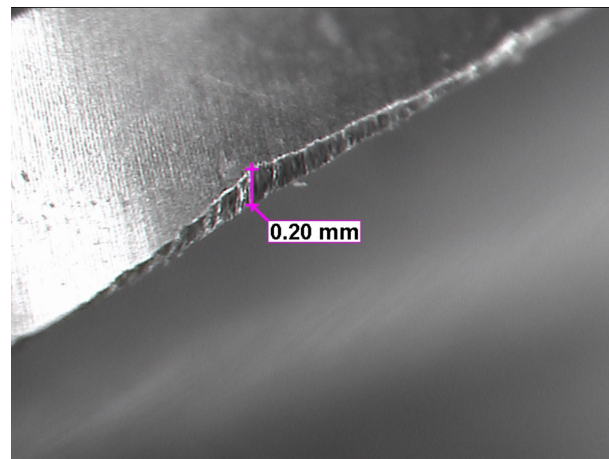
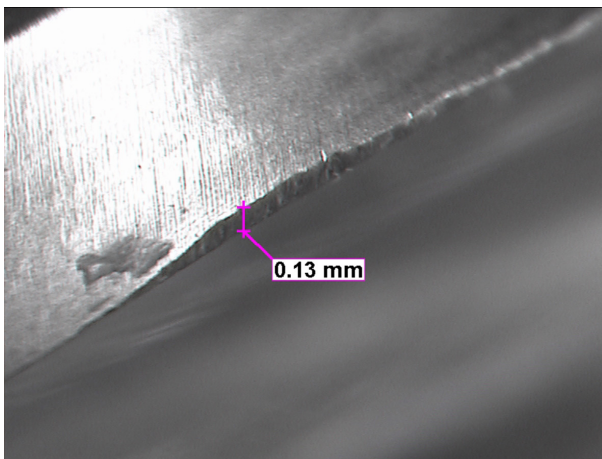
Extended Life DNAMIC™ Carbide Spiral Tools

Several years of R&D have enabled Dimar to produce an extra-ordinary range of solid spiral bits – DNAMIC™. The clear goal is to provide a suitable solution for abrasive materials that dull the tools.

We have created a unique carbide that has been developed for this purpose along with required geometric changes in the tools. Grinding the spiral tools on automatic CNC machines has transformed the DNAMIC™ into one-of-a-kind spiral tool.

We tested and compared the DNAMIC™ spiral bits vs. leading manufacturer.

Facing laboratory conditions, the spiral bits DNAMIC™ Carbide Tools have been analyzed cutting an abrasive double sided melamine board with a thickness of 17mm. Following a distance cut of 80 meters, the wear of the spiral bits have been compared. The DNAMIC™ spiral bits have been worn by only 0.13mm, while the competitor's bits was worn by 0.20mm.



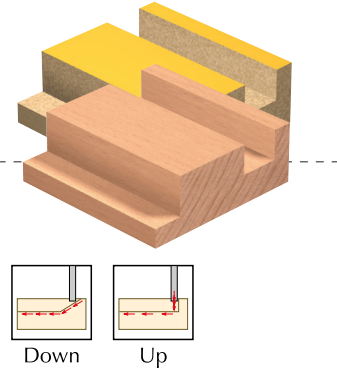
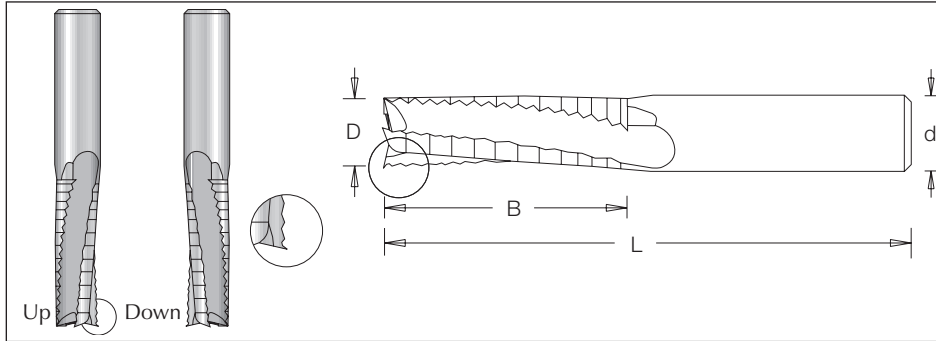
Competition



Solid Carbide Roughing Spiral 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). 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.

NAMIC™
Extended Life



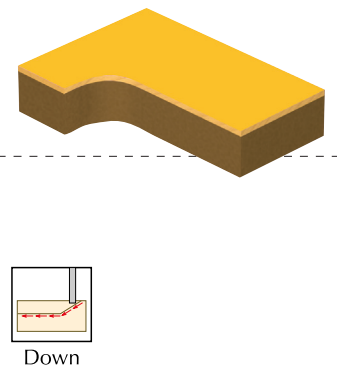
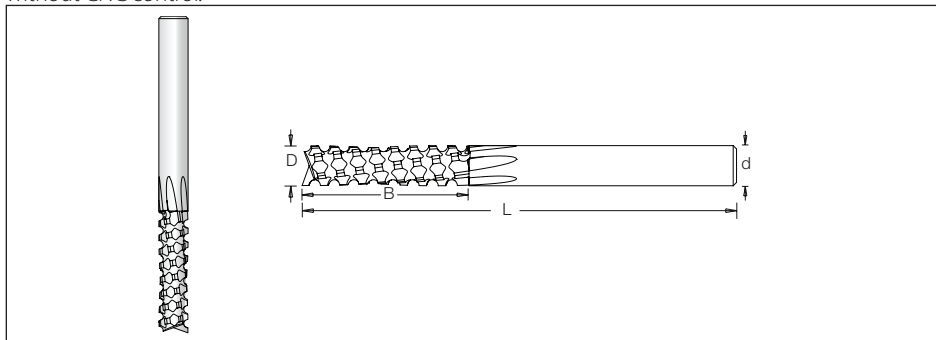
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	Upcut	Downcut			
10	1786327	1789327	32	80	10
12	1786359	1789359	32	80	12
	1786389	1789389	52	100	12
14	1786410	1789410	52	110	14
16	1786470	1789470	55	110	16
20	1786560		55	120	20
	1786580		72	135	20

See feed rates details on page 2.6

Solid Carbide Roughing Spiral multi fluts

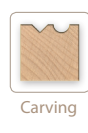
Solid tungsten carbide router cutter complete with unique multi spiral flutes shape. Suitable for 'roughing' cuts in hard and abrasive material such as composite material, Trespa, fiber glass etc.. Carbide for maximum durability. Downcut for better clamping when machining small work pieces and improved finish on the top of the board. For use on routers and machining centers with or without CNC control.

NAMIC™
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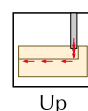
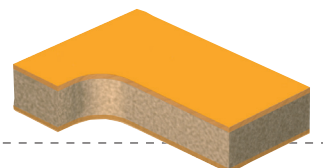
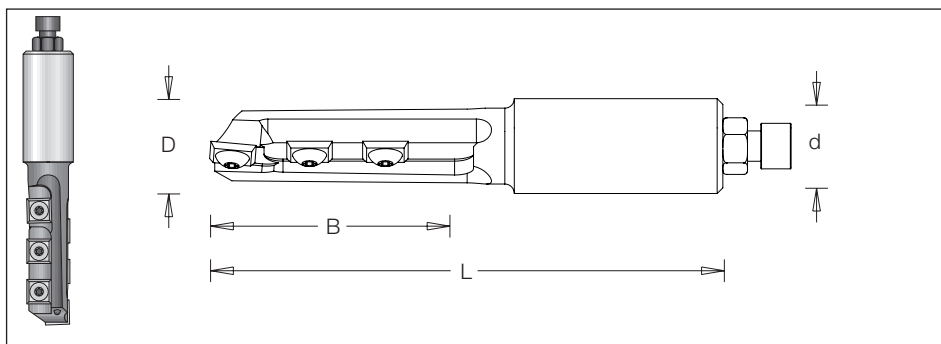
øD	Code No.	B	L	ød	n
6	1787103	25	65	6	35,000
12	1787109	42	82	12	35,000

CNC



Multiple Cutting Edge Up & Down Shear Router Cutter

Disposable insert straight router cutter complete with two flutes and multiple cutting blades. Top and Bottom 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	Code No.	B	Z	L	ød	n
22	807310H	42	4	115	25x55mm	18,000
	807315H	62	6	135	25x55mm	18,000

⚠ Also available with 20 mm diameter shank.

Spare Parts:



T.C. Blade
310 121 2
12x12x1.5



Torx screw
193 395 0
M4x6

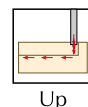
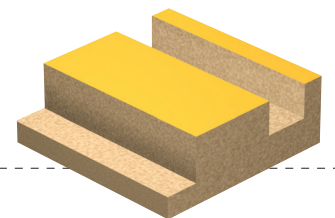
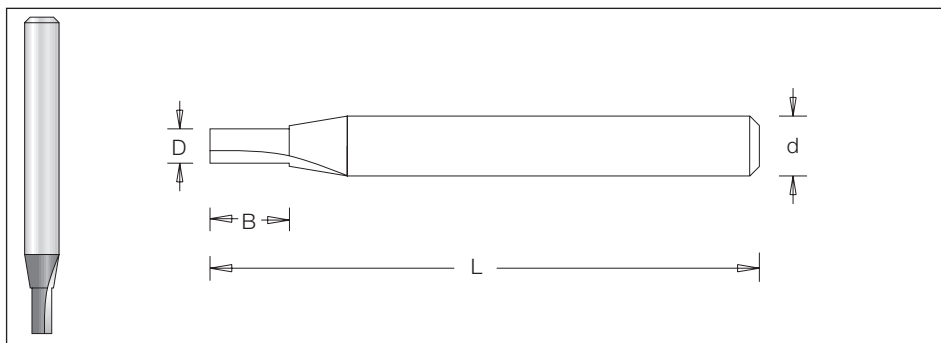


Torx key
194 101 5
T - 15

Solid Carbide Straight Router Cutter Double Flute

Solid tungsten carbide router cutter complete with 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. For use on routers and machining centres with or without CNC control.

NAMIC™
Extended Life



øD	Code No.	B	L	ød	n
3	so1070013	11	60	6	35,000
4	so1070043	11	60	6	35,000
5	so1070073	11	60	6	35,000
6	so1070103	19	60	6	35,000
	so1070133	25	60	6	35,000
8	so1070255	25	70	8	35,000
10	so1078587	30	80	10	35,000

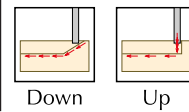
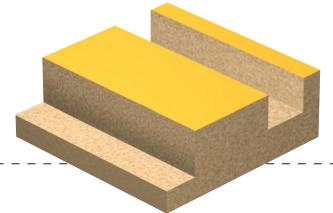
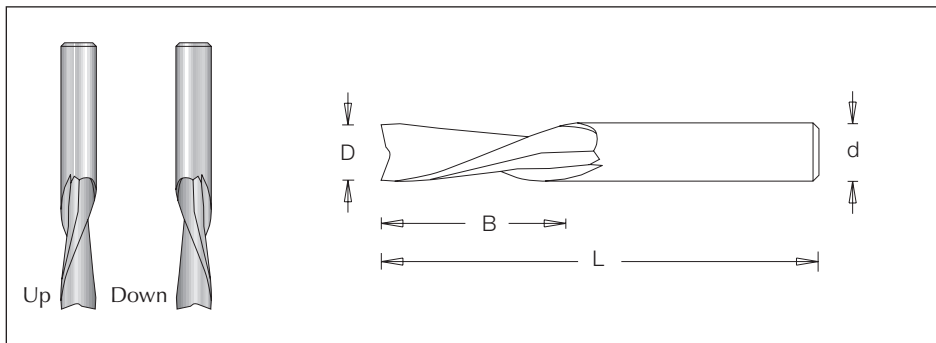
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Solid Carbide Double Flute Spiral

Solid tungsten carbide router cutter complete with two spiral flutes. Suitable for fine 'finishing' cuts combine with high feed rate in softwood, hardwood and man-made boards (with or without coating). 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.



Down

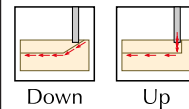
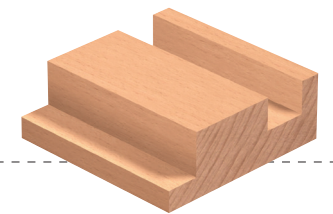
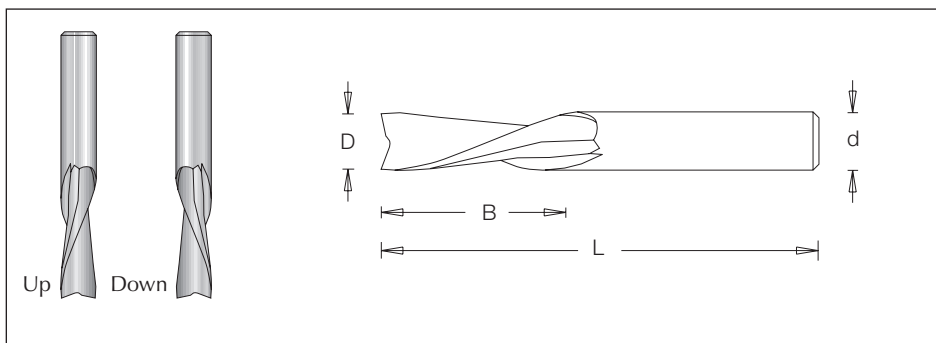
Up

Code No.							
øD	Upcut	Downcut	B	L	ød	n	
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4	1734100	1735100	12	55	4	35,000	
5	1734160	1735160	20	55	5	35,000	
6	1734203	1735203	20	60	6	35,000	
8	1734265	1735265	25	60	8	35,000	
10	1734307	1735307	25	70	10	35,000	
	1734327	1735327	32	70	10	35,000	
12	1734359	1735359	32	80	12	35,000	
	1734379	1735379	42	90	12	35,000	
	1734389	1735389	52	100	12	35,000	

See feed rates details on page 2.6

Solid Carbide Double Flute Spiral - for Solid Wood

Solid tungsten carbide router cutter complete with two spiral flutes. Suitable for fine 'finishing' cuts in softwood, hardwood. 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.

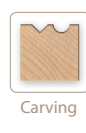


Down

Up

Code No.							
øD	Upcut	Downcut	B	L	ød	n	
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8	1734265S	1735265S	25	60	8	35,000	

See feed rates details on page 2.7

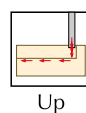
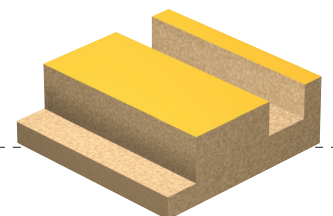
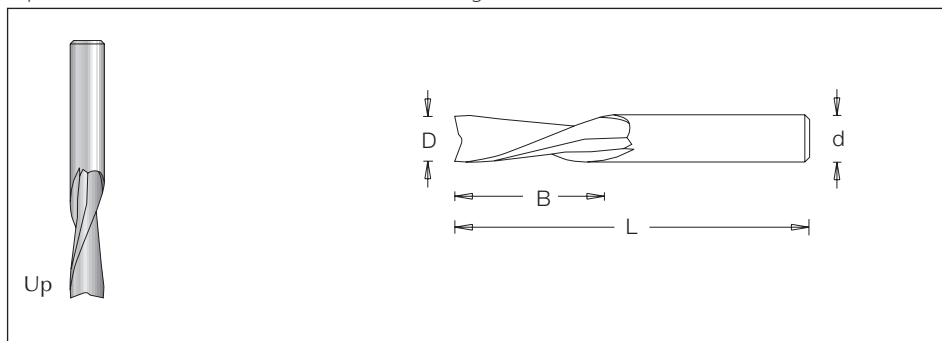
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Solid Carbide Double Flute Spiral - 8mm Shank

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

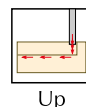
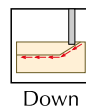
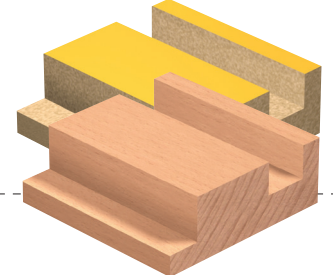
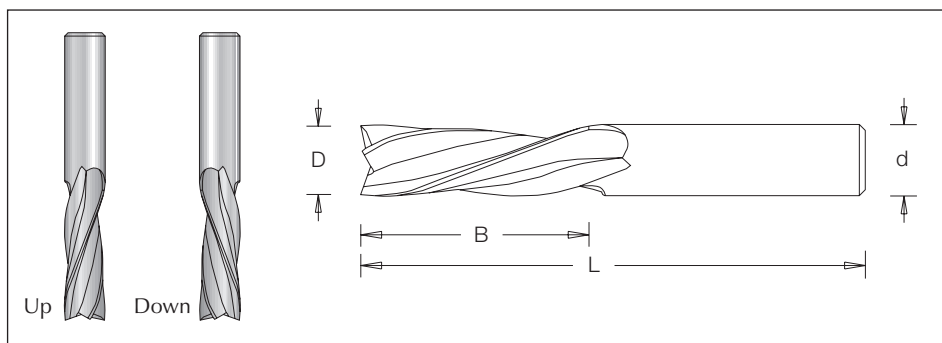


øD	Code No.	B	L	ød	n
3	1734055	12	50	8	35,000
4	1734105	12	50	8	35,000
5	1734155	15	50	8	35,000
6	1734205	20	60	8	35,000
8	1734255	20	60	8	35,000

See feed rates details on page 2.6

Solid Carbide Spiral 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). 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.



øD	Code No.		B	L	ød
	Upcut	Downcut			
12	1736379	1739379	42	90	12
	1736389	1739389	52	100	12
14	1736700	1739700	42	100	14
	1736400	1739400	55	110	14
16	1736410	1739410	35	80	16
	1736480	1739480	52	110	16
20	1736560	1739560	52	120	20
	1736580	1739580	72	135	20

See feed rates details on page 2.7

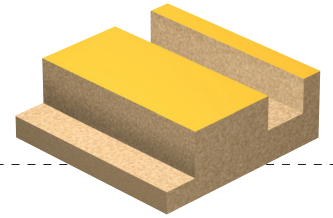
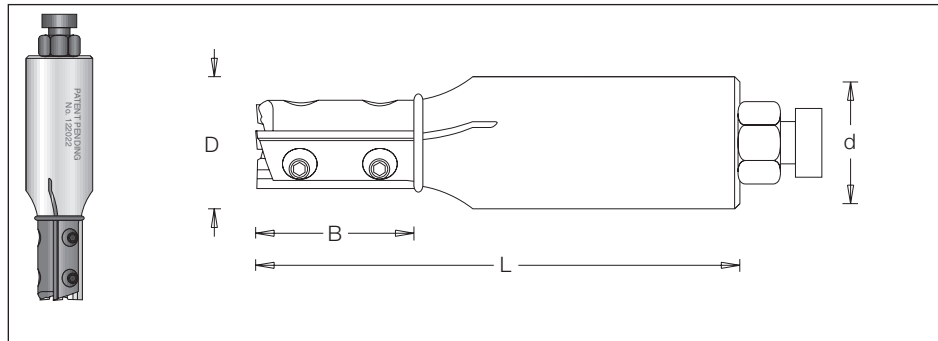
Grooving
& Sizing
Profiling &
Chamfering
Frame &
Panel door
Joining &
Rebating


Carving

Clamping
Systems &
Adapters

Straight Router Cutter

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



Down

øD	Code No.	B	Z	L	ød	n
10	8071059*	20	1	71.5	12	18,000
12	8071119**	30	2	81	12	18,000
18	8071200	30	3	81.5	20	18,000
	807120H	30	3	81.5	25	18,000
	8071210	50	3	101.5	20	18,000
	8071210L	50	3	101.5	20	18,000
20	8071250	50	3	101.5	20	18,000
	807125H	50	3	101.5	25	18,000
	807125HL	50	3	101.5	25	18,000
	807121H	50	3	101.5	25	18,000
18	807121HL	50	3	101.5	25	18,000

⚠ L = Left hand Rotation.

Spare parts:

	T.C. Blade	Allen screw *	Allen screw **	Allen screw	Allen Key
B= 20	#310 751 0 20x5.5x1.1	#193 035 0 M3x4	#193 036 0 M3x5	#193 037 0 M3x6	#194102 0 S1.5
B= 30	#310 751 1 30x5.5x1.1				
B= 50	#310 751 3 50x5.5x1.1				
Left -	#310 751 3L 50x5.5x1.1				

T.C. Blade for **MDF**

	T.C. Blade
B= 20	#360 751 0 20x5.5x1.1
B= 30	#360 751 1 30x5.5x1.1
B= 50	#360 751 3 50x5.5x1.1
Left -	#360 751 3L 50x5.5x1.1

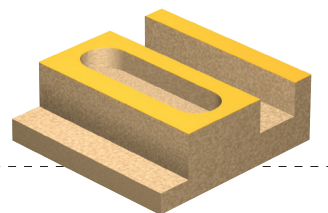
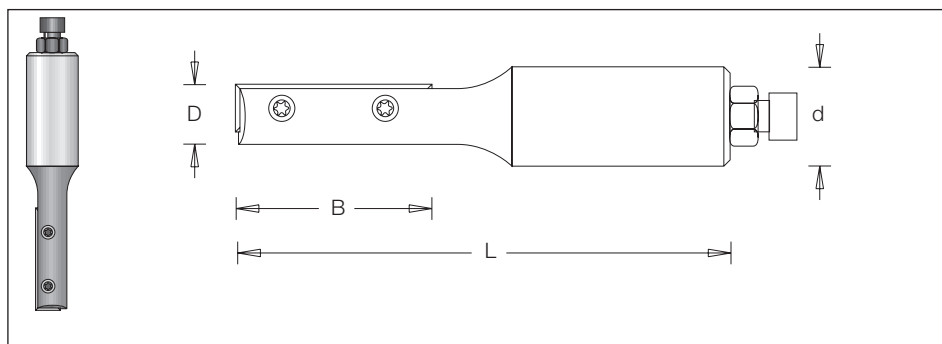
Grooving
& SizingProfiling &
ChamferingFrame &
Panel doorJoining &
Rebating

Carving

Clamping
Systems &
Adapters

Straight Router Cutter

Disposable insert straight router cutter complete with one flute. Suitable for grooving, rebating and sizing with plunge in man-made boards (with or without coating). Replaceable inserts ensure a constant cutting diameter and finish quality. the plunging should be done in steps.



Up

øD	Code No.	B	Z	L	ød	n
12	1073500	30	1	105	20x55	18,000
14	1073540	30	1	105	20x55	18,000

Spare Parts:



T.C. Blade 1
310 793 0
30x9x1.5



Torx screw
193 354 8
M3.5x4.8



Torx key
194 101 5
T15

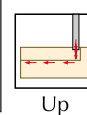
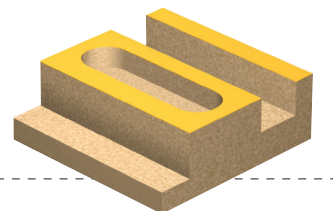
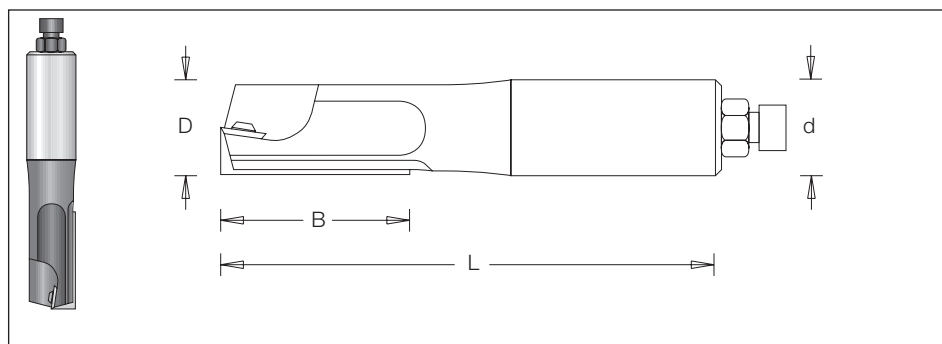
Grooving
& SizingProfiling &
ChamferingFrame &
Panel doorJointing &
Rebating

Carving

Clamping
Systems &
Adapters

Straight Router Cutter with Plunge Center Tip

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



Up

øD	Code No.	B	Z	L	ød	n
16	107373H*	30	1+1	105	25x55	18,000
	107374H*	50	1+1	125	25x55	18,000
18	107376H	50	1+1	125	25x55	18,000
20	107377H	30	1+1	105	25x55	18,000
	107398H	50	1+1	125	25x55	18,000

⚠ Also available with 20 mm diameter shank.

*Braze center tip

Spare Parts:



T.C. Blade

310 723 0
29.5x12x1.5



T.C. Blade

310 725 0
49.5x12x1.5



Torx screw

193 395 0
M4x6



Torx screw

193 354 8
M3.5x4.8



Torx key

194 101 5
T15

B=30

CENTER
T.C. Blade

D=18 310 752 6
7.5x12x1.5

B=50

CENTER
T.C. Blade

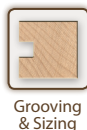
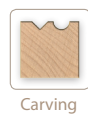
310 752 3
7.5x12x1.5

D=20 310 752 6
7.5x12x1.5

310 752 3
7.5x12x1.5

D=25 310 751 2
7.5x12x1.5

310 751 2
7.5x12x1.5

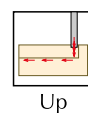
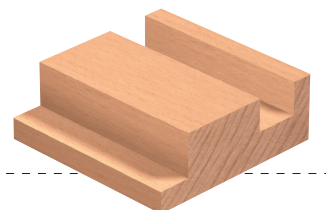
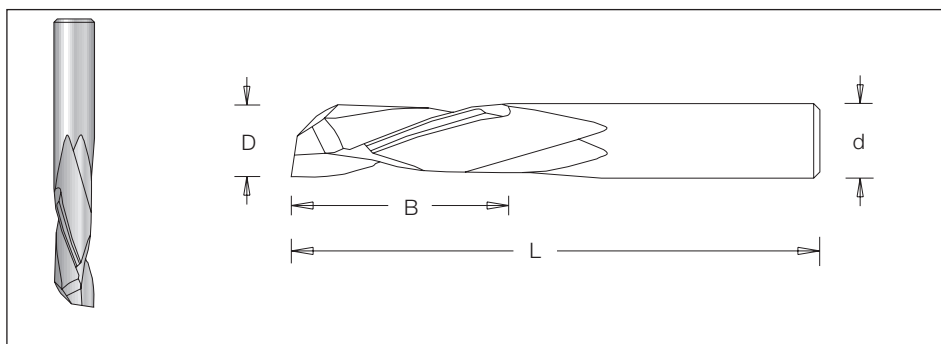
Grooving
& SizingProfiling &
ChamferingFrame &
Panel doorJointing &
Rebating

Carving

Clamping
Systems &
Adapters

Solid Carbide Up & Down Spiral Single Flute - for Solid Wood

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 wood and hard wood. For use on routers and machining centres with and without CNC control.



Up

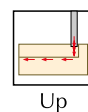
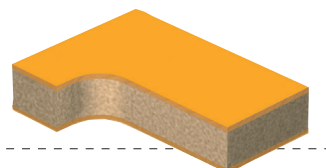
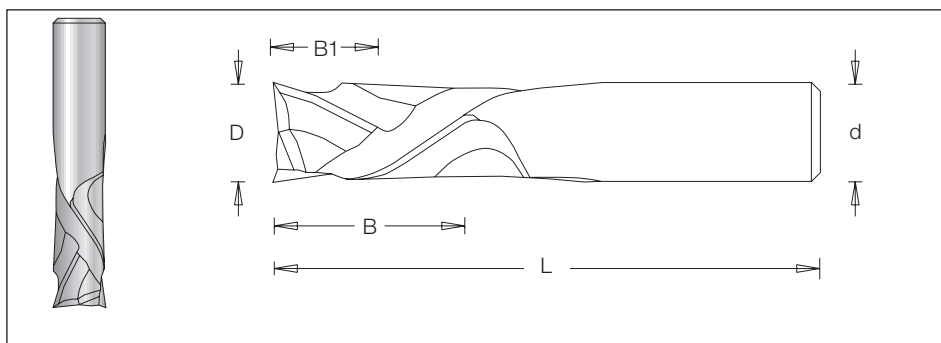
øD	Code No.	B	L	ød
6	1742203S	20	60	6
8	1742275S	25	70	8
10	1742337S	32	80	10
12	1742359S	32	80	12

See feed rates details on page 47.

Solid Carbide Up & Down Spiral Double 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. Carbide for maximum durability in abrasive materials. For use on routers and machining centres with and without CNC control.

DAMIC™
Extended Life



Up

øD	Code No.	B	B1	L	ød
3.2	174107Z*	21	6.0	63.5	3.2
6.0	1743203	20	6.0	60	6
8.0	1743275	25	7.0	70	8
10.0	1743337	32	8.0	80	10
12.0	1743359	32	8.0	80	12
	1743379	42	13.0	90	12
16.0	1743480	52	14.0	110	16
20.0	1743560	52	17.0	120	20
	1743580	72	20.0	135	20

* Not DAMIC Carbide
See feed rates details on page 2.7

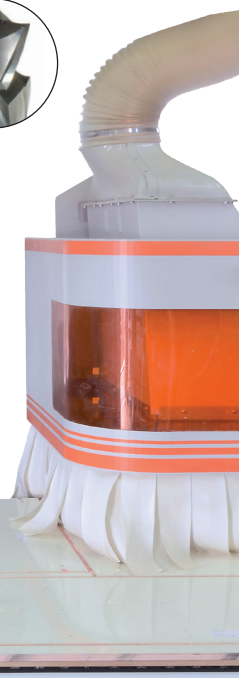
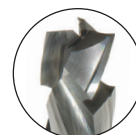
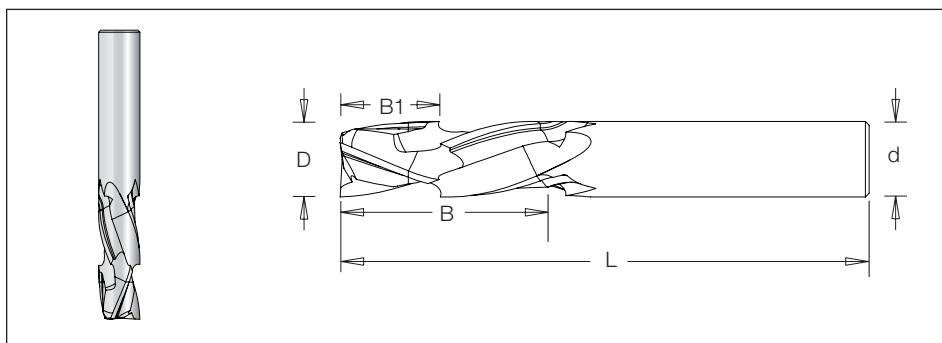
Grooving
& SizingProfiling &
ChamferingFrame &
Panel doorJoining &
Rebating

Carving

Clamping
Systems &
Adapters

3 Flutes Compression Spiral for Nesting Operation

New generation of spiral tools for nesting operation on a CNC machine. Dimar "Dynamic" carbide for long lasting life. Three flutes design, high clearance geometric shape, for max. feed rate. Free chip flow. Clean Cut.



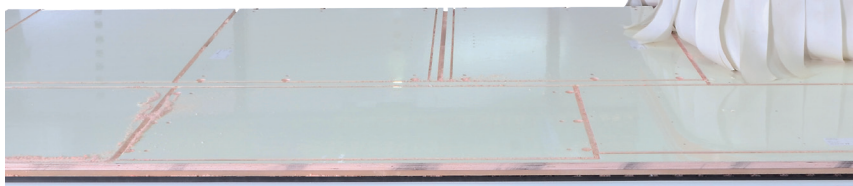
CNC

øD	Code No.	B	B1	ød	L	n
8	1748405	20 (12)*	5	8	70	24,000
10	1748507	25 (16)*	7	10	70	24,000
12	1748609	32 (22)*	9	12	80	24,000



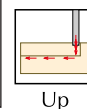
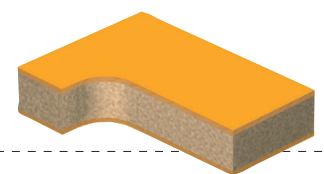
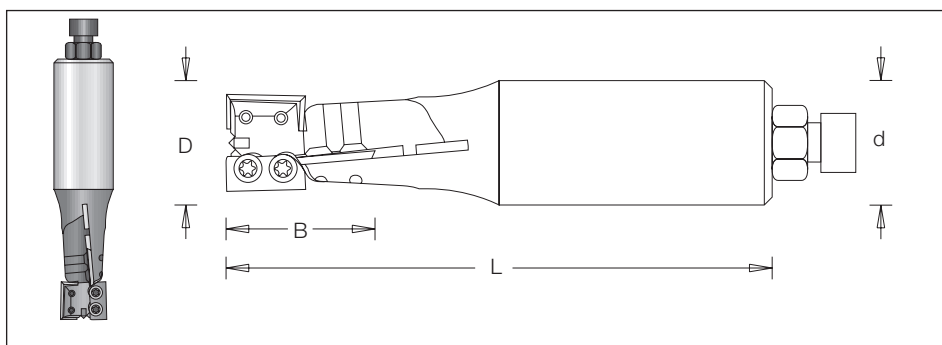
Also available in inch sizes.

* Max recommended working height/



Straight Up & Down Shear Router Cutter

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. (Special carbide grade for abrasive material). Replaceable inserts ensure a constant cutting diameter and finish quality. Centre tip for improved boring. For use on routers with CNC control.



øD	Code No.	B	Z	L	ød	n
20	807320H	30	2	110	25x55	18,000
	807322H	50	2	130	25x55	18,000



Also available with 20 mm diameter shank.

Spare Parts:

B = 30



T.C. Blade
300 771 6
16x7x1.5

B = 50



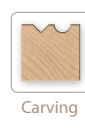
T.C. Blade
300 772 8
28x7x1.5



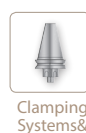
Torx screw
193 400 0
M3x4



Torx key
194 110 0
T - 9

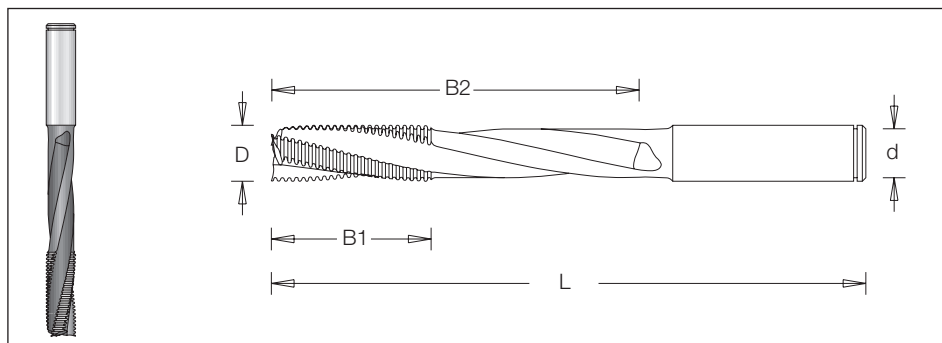
Grooving
& SizingProfiling &
ChamferingFrame &
Panel doorJointing &
Rebating

Carving

Clamping
Systems &
Adapters

Spiral Cutter for Lock Case

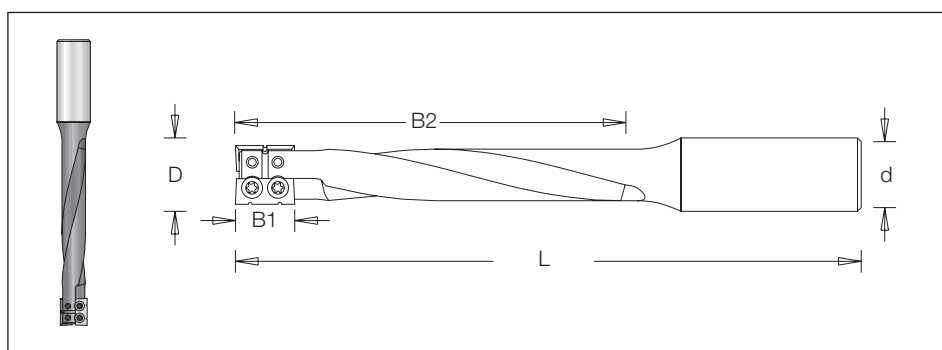
Solid tungsten carbide router cutter complete with three spiral chip breaker flutes. Suitable for producing deep grooves, slots and holes for door furniture in softwood, hardwood, solid and hollow board doors. Solid carbide for maximum durability in abrasive materials. For use on routers and machining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



øD	Code No.	B1	B2	L	ød	n
14	1786400	45	95	150	14	18,000
16	1786460	45	115	170	16	18,000
18	1786520	45	115	170	18	18,000

Router Cutter for Lock Case

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	Code No.	B1	B2	Z	L	ød	n
16	807366E	16	95	2	150	16	12,000
16	8073650*	16	115	2	170	20	12,000
18	8073700	16	115	2	170	20	12,000

⚠ * Also available with 16 mm diameter shank.

Spare Parts:

T.C. Blade
310 771 6
16x7x1.5T.C. Blade
310 772 6
16x7x1.5*Torx screw
193 400 1
M3x4Torx screw
193 400 0
M3x4Torx key
194 110 0
T - 9

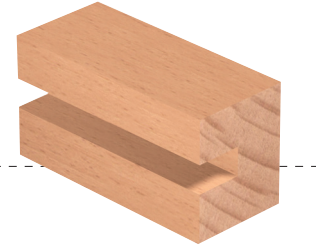
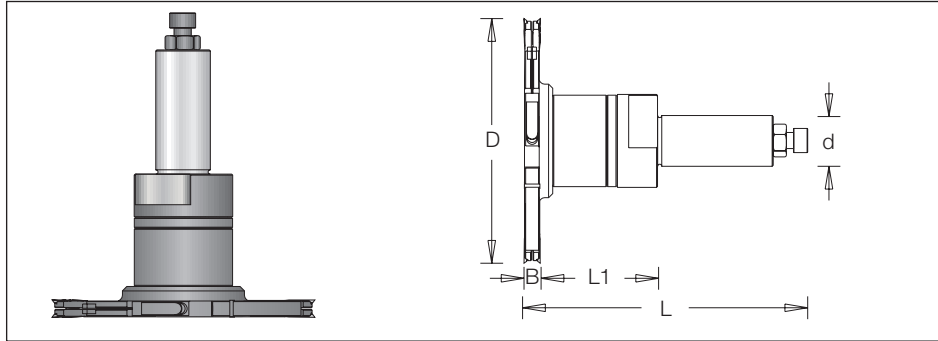
Grooving
& SizingProfiling &
ChamferingFrame &
Panel doorJointing &
Rebating

Carving

Clamping
Systems &
Adapters

Adjustable Grooving 4-15.5mm Cutter

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.

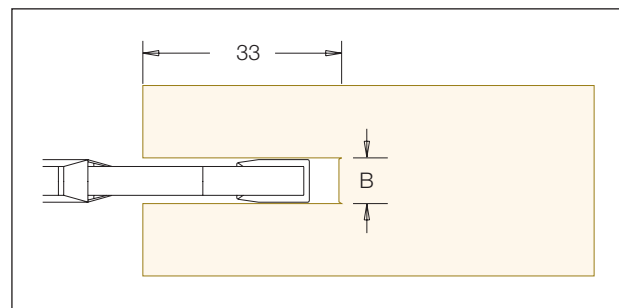


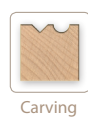
CNC

øD	Code No.	B	L1	Z	L	ød	n
120	822055H	4-15.5	82.25		139	25	12,000

⚠ Also available with HSK or ISO adapters.
Also available with 20 mm diameter shank.

Spare Parts:

T.C. Blade
310 751 2
7.5x12x1.5Wedge
199 031 0
L=6.5Allen screw
193 060 0
M5x16T.C. Blade
300 850 1
18x18x2T.C. Blade
300 850 2
14x14x1.2T.C. Blade Nut
#192 350 0
M4x0.5x11.1T.C. Blade Nut
#192 360 0
M4x0.5x9.9Torx screw
193 028 0
M4x3.2Washer set
192 619 0
B=8.1Arbor
190 820 H
L=127Arbor screw
193 608 5
M5x25Allen key
194 008 0
S2.5Torx key
194 110 0
T9Allen key
194 015 0
S4

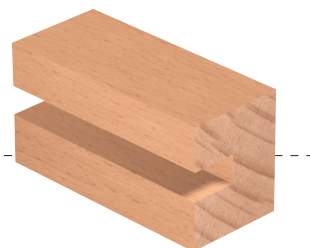
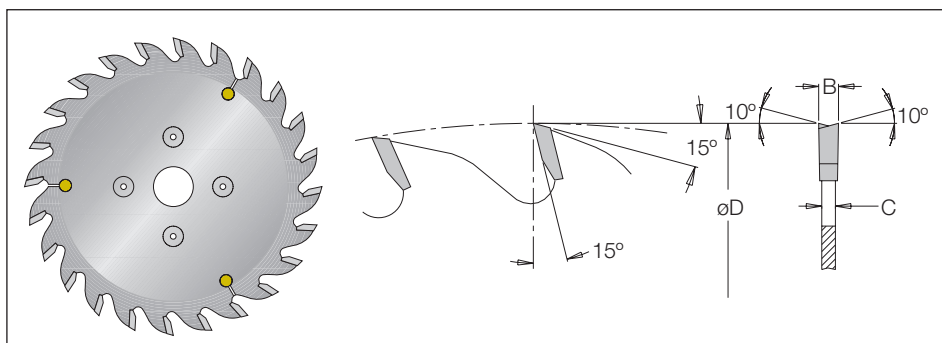
Grooving
& SizingProfiling &
ChamferingFrame &
Panel doorJointing &
Rebating

Carving

Clamping
Systems &
Adapters

Sawblades for Cutting and Grooving

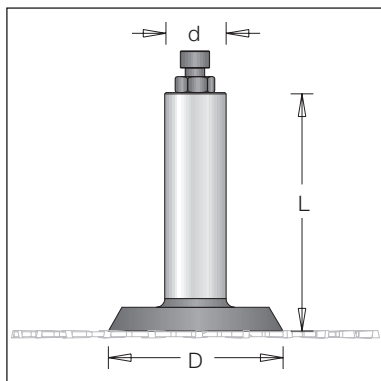
Tungsten carbide tipped alternate bevel saw blades for cutting and grooving along and across the grain on softwoods, hardwoods and man-made boards (with or without coating).
For use on routers and machining centres with CNC Control.



ØD	B	Code No.	Teeth	c	Max. t	ød	n
125	3	90112106	24	2.0	25	30	19,000
	4	90102156	24	2.8	25	30	19,000
	5	90102166	24	3.5	25	30	19,000
150	3	90112206	24	2.0	38	30	9,000
	4	90102236	24	2.8	38	30	9,000
	5	90102246	24	3.5	38	30	9,000
180	3	90112306	30	2.0	54	30	7,000
	4	90102316	30	2.8	54	30	7,000
	5	90102336	30	3.5	54	30	7,000

⚠ All the blades are available with a variety of bores and Pin holes as per individual order.
Also available with 20 mm diameter shank.

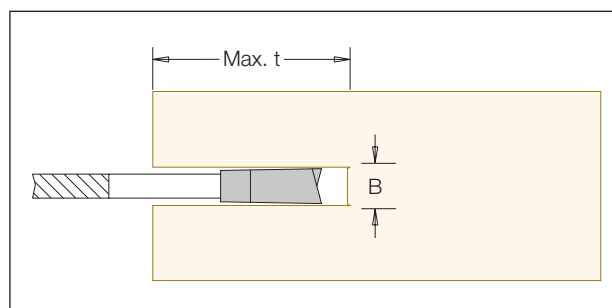
CNC Arbor



ØD	Code No.	L	⌀	ød
71	190025H	90.0	4xM5xØ52	25

⚠ Also available with 20 mm diameter shank.

Spare Parts:

Allen screw
193 042 6
M5x12Allen key
194 003 5
S3

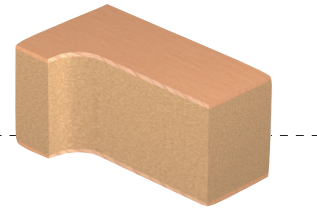
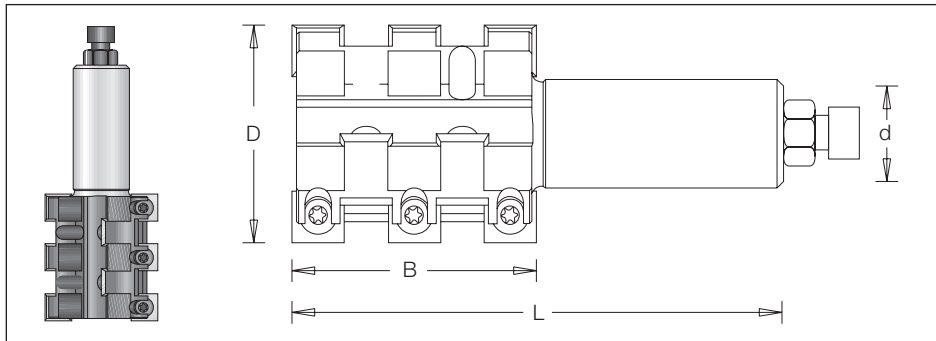
Grooving
& SizingProfiling &
ChamferingFrame &
Panel doorJointing &
Rebating

Carving

Clamping
Systems &
Adapters

Rough Rebating Router Cutter

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.



$\varnothing D$	Code No.	B	Z	L	$\varnothing d$	n
50	807350H	56	10	113	25x55	18,000
	807355H	78	14	135	25x55	18,000

⚠ Also available with 20 mm diameter shank.

Spare Parts:



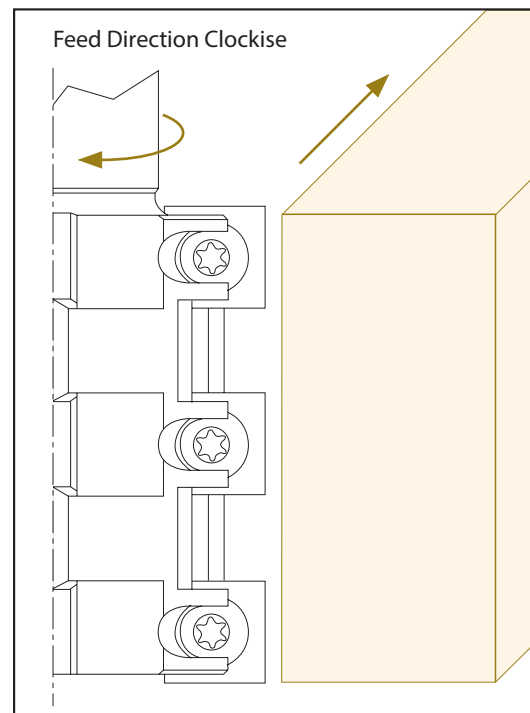
T.C. Blade
310 121 2
12x12x1.5



Torx screw
193 148 2
M4x5.6



Torx key
194 101 5
T - 15



Scale -1:1

CNC

CNC



Grooving
& Sizing



Profiling &
Chamfering



Frame &
Panel door



Joining &
Rebating



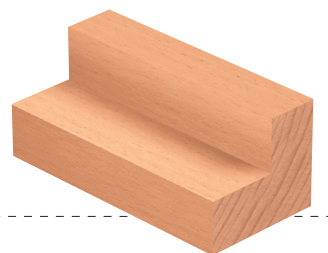
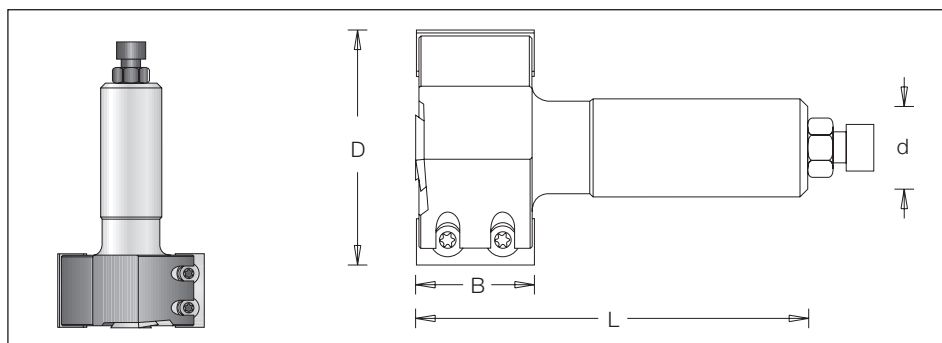
Carving



Clamping
Systems &
Adapters

Straight Rebater Router Cutter with Scorers

Disposable insert rebating router cutter complete with two cutting flutes and.
Two center tips. Suitable for in softwoods, hardwoods and man made boards.
For use on routers and machining centres with CNC control.



øD	Code No.	B	Z	L	ød	n
40	807330H	30	2+2	100	25x55	18,000
60	807335H	30	2+2	100	25x55	18,000
	807337H	50	2+2	120	25x55	18,000

⚠ Also available with 20 mm diameter shank.

Spare Parts:



T.C. Blade
310 123 0
30x12x1.5



T.C. Blade
310 125 0
50x12x1.5



T.C. Blade
300 850 3
14x14x2



Torx screw
193 148 2
M4x5.6



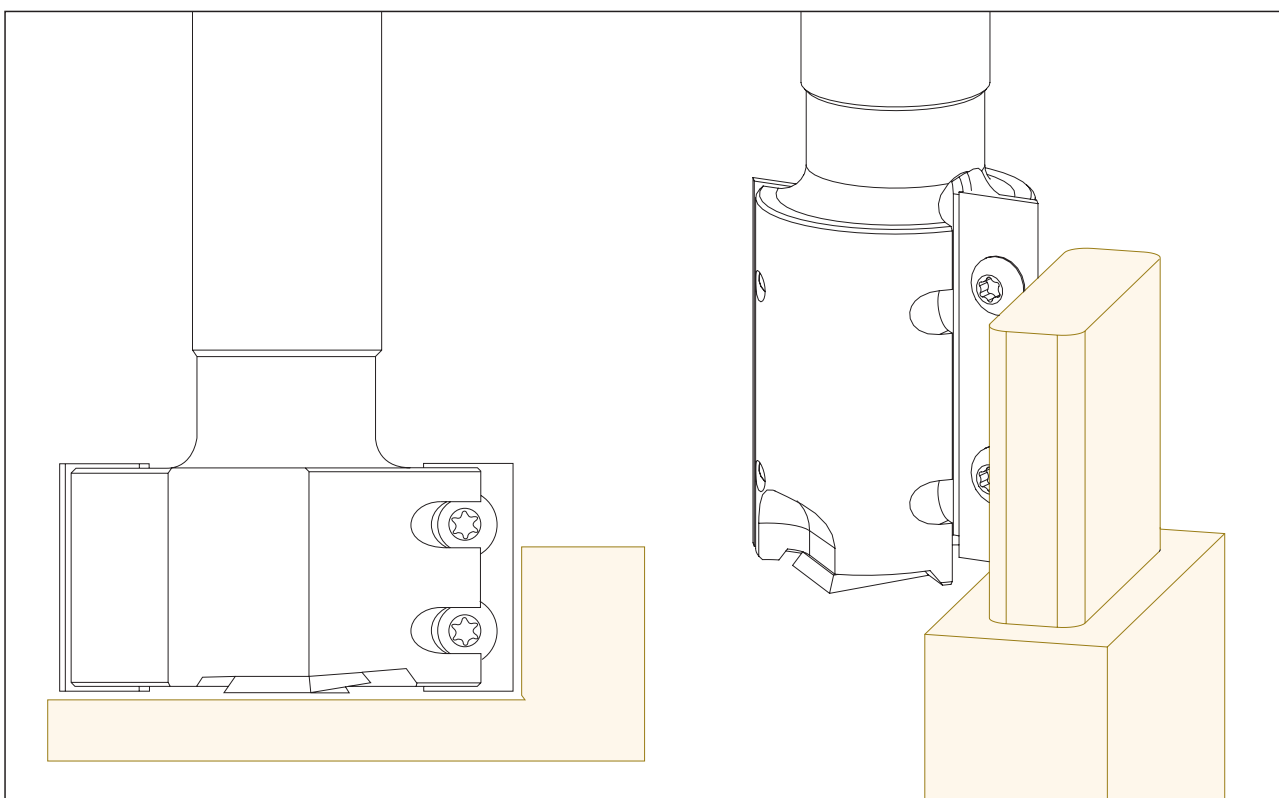
Torx key
194 101 5
T - 15



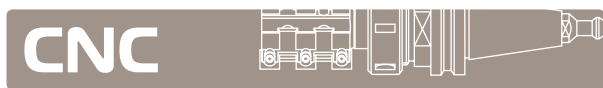
Torx key
194 106 0
T - 20



Torx screw
193 370 0
M5x6.3



Scale -1:1



Grooving
& Sizing



Profiling &
Chamfering



Frame &
Panel door



Jointing &
Rebating



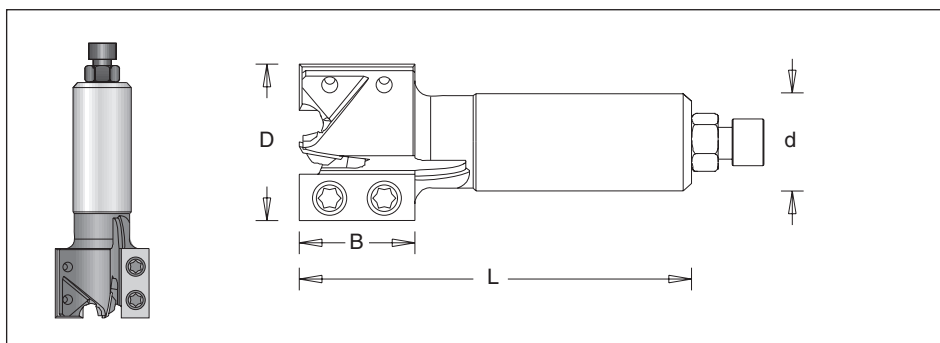
Carving



Clamping
Systems &
Adapters

Straight Router Cutter with Scorers

Disposable insert rebating router cutter complete with two flutes and two center tips. Suitable for fast straight penetration into the wood top and the fast removal of the material in a open or closed pocket. in softwoods, hardwoods and man-made boards. For use on routers and machining centres with CNC control.



øD	Code No.	B	Z	L	ød	n
40	807331H*	29.5	2+2	100	25x55	18,000
60	807336H**	29.5	2+3	110	25x55	18,000

⚠ Also available with 20 mm diameter shank.

Spare Parts:



T.C. Blade
310 723 0
29.5x12x1.5



T.C. Blade 2*
310 121 2
12x12x1.5



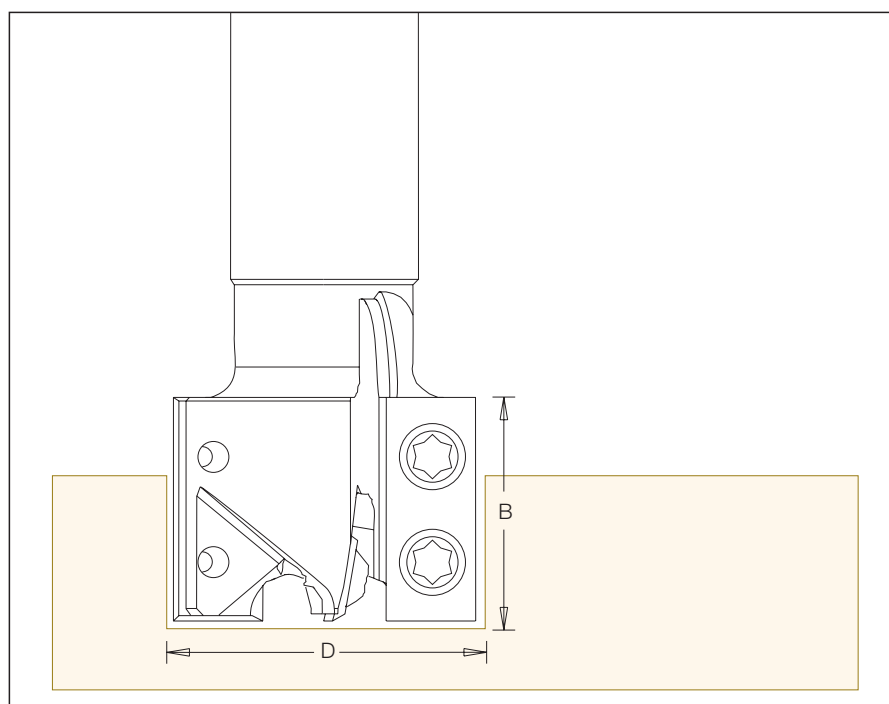
T.C. Blade 3**
310 122 0
20x12x1.5



Torx screw
193 148 2
M4x5.6

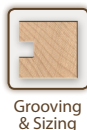
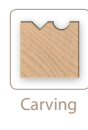


Torx key
194 101 5
T - 15



Scale -1:1

CNC

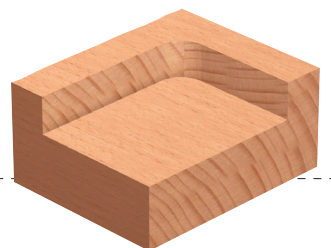
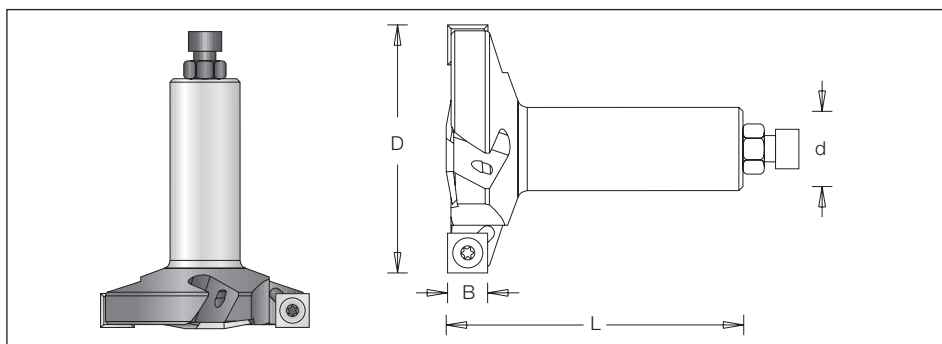
Grooving
& SizingProfiling &
ChamferingFrame &
Panel doorJointing &
Rebating

Carving

Clamping
Systems &
Adapters

Planing and Rebating Router Cutter

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	Code No.	B	Z	L	ød	n
80	807340H	12	2+2	90	25x65	18,000



Also available with 20 mm diameter shank.

Spare Parts:



T.C. Blade
310 121 2
12x12x1.5



T.C. Blade
300 850 3
14x14x2



Torx screw
193 395 0
M4x6



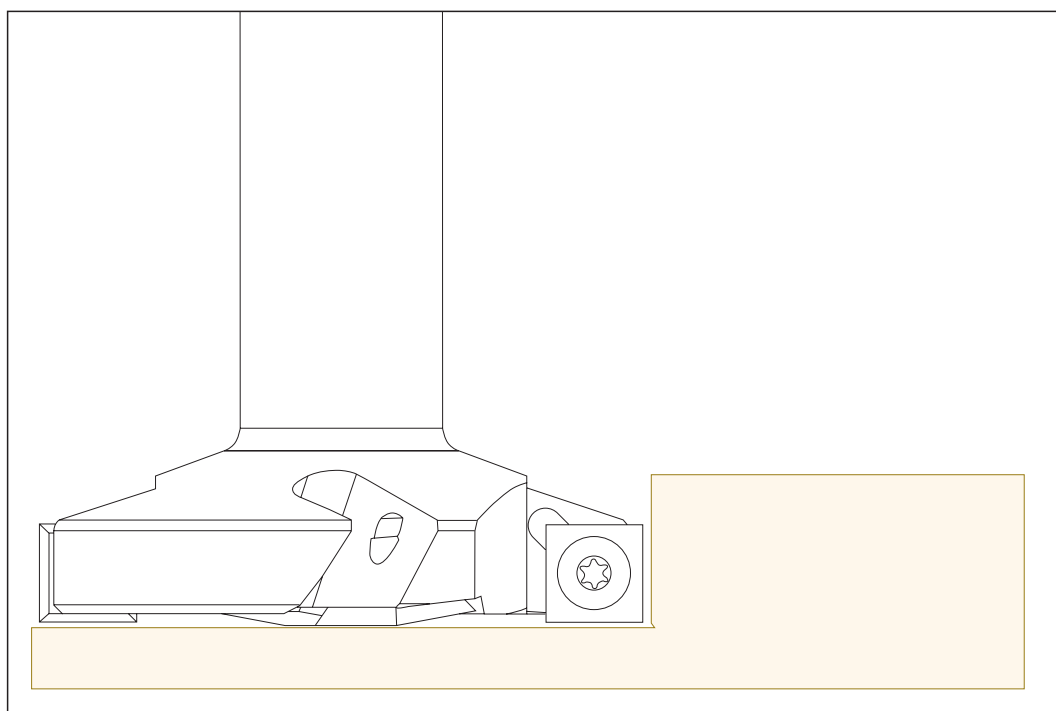
Torx screw
193 370 0
M5x6.3



Torx key
194 101 5
T - 15



Torx key
194 106 0
T - 20



Scale -1:1

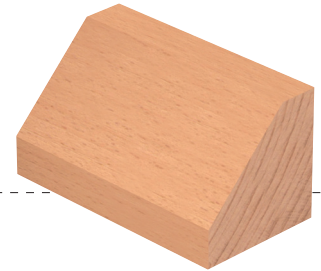
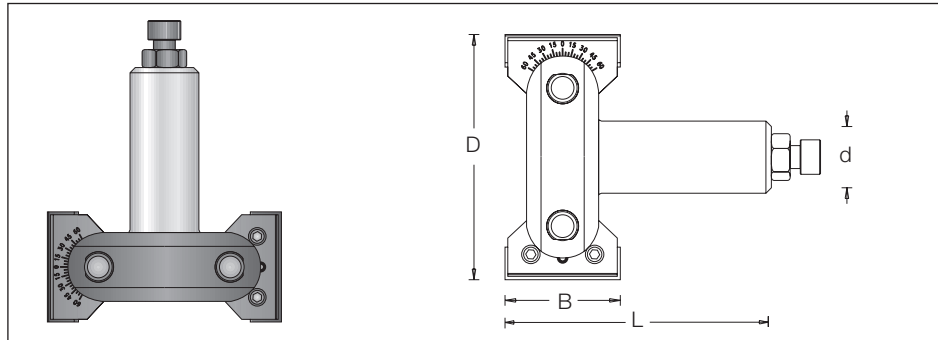
Grooving
& Sizing
Profiling &
Chamfering
Frame &
Panel door
Jointing &
Rebating


Carving

Clamping
Systems &
Adapters

Adjustable Bevel 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	Code No.	B	Z	L	ød	n
85	-45° → +90°	8540010	40	2	100	25*	12,000
110	-45° → +90°	854004H	50	2	130	25	10,000



Fast tuning angle of 7.5° step.
Fine tuning angle of 1°.

*Also available with 20 mm diameter shank.

Spare Parts:



B=40 I.C. Blade
300 052 8
40x12x1.5



Wedge
199 082 0
L=38



Locking wedge
199 403 1
25x12



Allen screw
193 049 4
M6x8



Allen screw
193 075 2
M5x16

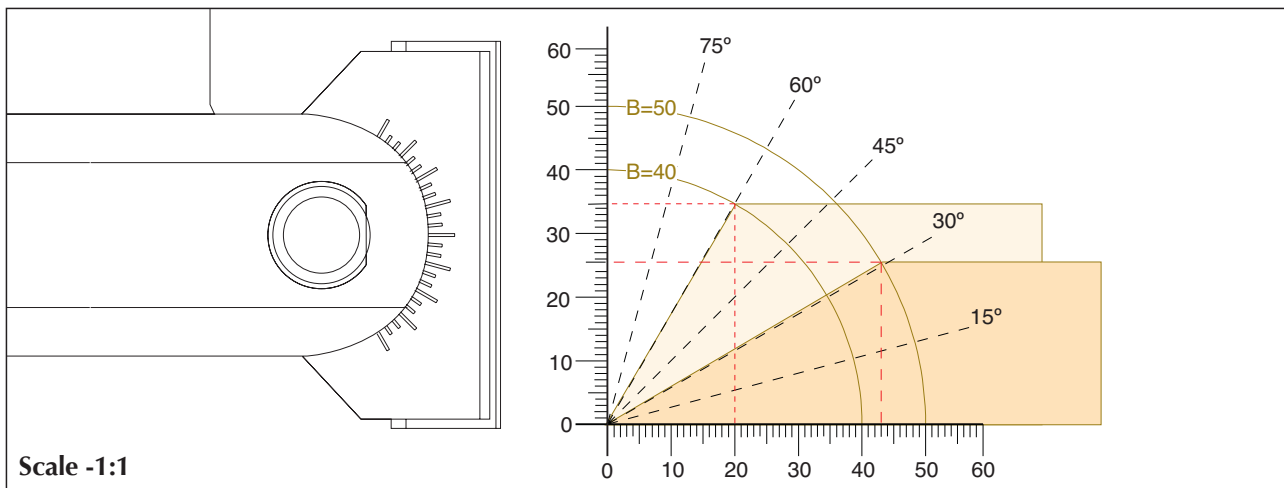
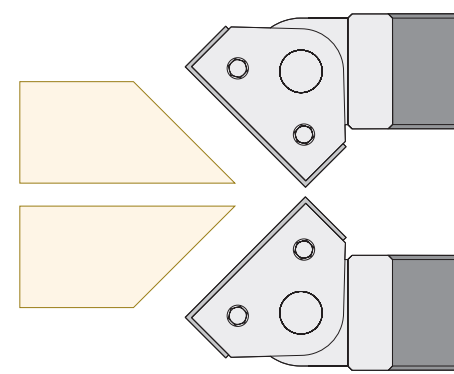
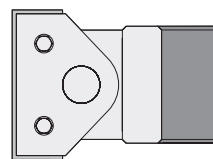
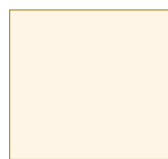


Allen key
194 003 5
S-3



Allen key
194 003 6
S-4

B=50 310 125 0
50x12x1.5
L=48



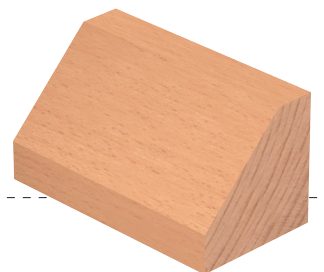
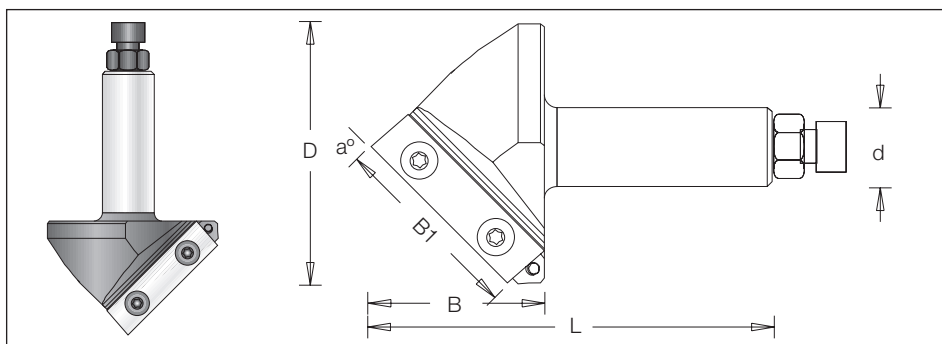
Grooving
& SizingProfiling &
ChamferingFrame &
Panel doorJoining &
Rebating

Carving

Clamping
Systems &
Adapters

V - Groove Router Cutter

Disposable insert router complete with one or two cutting flutes designed to mitre fold on solid wood, hardwood and man-made boards to perfect the joint.



øD	Code No.	a	B	B1	Z	L	ød	n
50.0	8053600	60°	44.6	51.5	1	111	20	18,000
66.0	8053750	90°	33.0	47.0	1	97	20	18,000
67.0	8053650	91°	33.0	47.0	1	97	20	18,000
86.6	1053700	120°	25.0	50.0	2	97.5	20	15,000
90.6	8053850	130°	20.8	50.0	2	98.0	20	12,000
96.6	1053800	150°	13.0	50.0	2	90.3	20	12,000

Spare Parts:

T.C. Blade
310 500 2
59.7X12x1.5Torx screw
193 395 0
M4x6Torx key
194 101 5
T-15

a= 60°

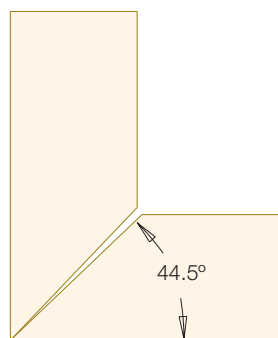
a= 90°

a= 91°

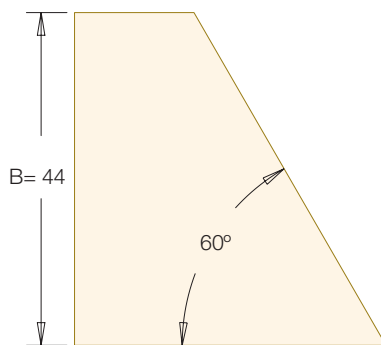
a= 120°

a= 130°

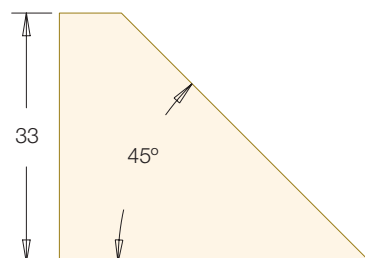
a= 150°

310 500 4
50x12x1.5193 148 2
M4x5.6310 500 4
50x12x1.5193 148 2
M4x5.6310 500 4
50x12x1.5193 148 2
M4x5.6

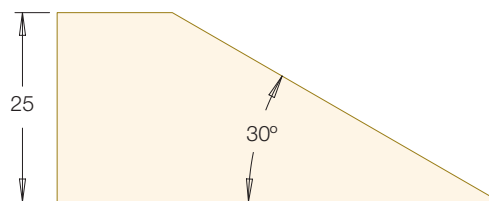
805 365 0



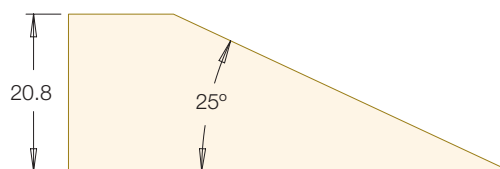
805 360 0



805 375 0



105 370 0



805 385 0



105 380 0

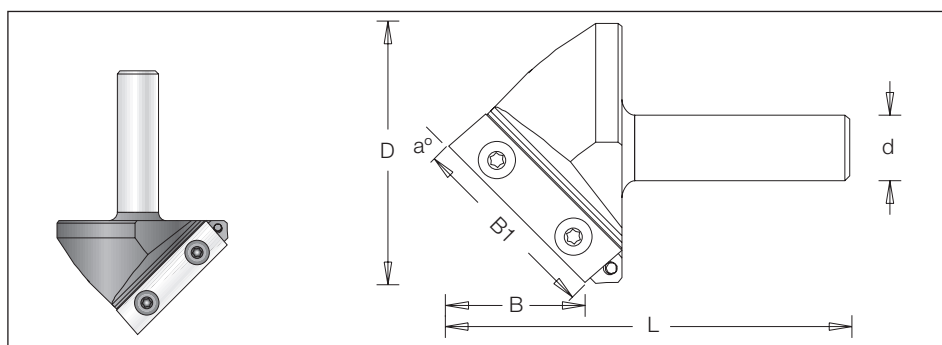
Grooving
& Sizing
Profiling &
Chamfering
Frame &
Panel door
Joining &
Rebating


Carving

Clamping
Systems &
Adapters

V - Groove Router Cutter

Disposable insert router complete with one or two cutting flutes designed to engrave on solid wood, hardwood and man-made boards.



øD	Code No.	a	B	B1	L	Z	ød	n
20.8	1054059	45°	25.0	27.0	60.3	1	12	18,000
22.8	1053529	50°	24.5	27.0	65.0	1	12	18,000
26.0	1054069	60°	23.4	27.0	60.4	1	12	18,000
31.0	1053569	70°	22.1	27.0	66.0	1	12	18,000
38.4	1053619	90°	19.0	27.0	76.5	1	12	18,000
38.4	1053609	91°	19.0	27.0	76.5	1	12	18,000
41.2	1053629	100°	17.3	27.0	81.0	1	12	18,000
44.2	1053649	110°	15.5	27.0	81.0	1	12	18,000
51.6	1054009	120°	14.7	29.8	77.7	2	12	18,000
54.0	1053669	130°	12.7	29.8	77.0	2	12	18,000
57.6	1053909	150°	7.6	29.5	75.0	2	12	18,000
58.7	1053689	160°	5.0	29.8	70.7	2	12	18,000

Spare Parts:



T.C. Blade



Torx screw



Torx key

194 101 5
T-15

a = 45°

310 523 0

27x9x1.5

193 354 8

M3.5x4.8

a = 50°

310 523 0

27x9x1.5

193 354 8

M3.5x4.8

a = 60°

310 523 0

27x9x1.5

193 354 8

M3.5x4.8

a = 70°

310 523 0

27x9x1.5

193 354 8

M3.5x4.8

a = 90°

310 500 3

28x12x1.5

193 354 8

M3.5x4.8

a = 91°

28x12x1.5

M3.5x4.8

a = 100°

310 500 3

28x12x1.5

193 354 8

M3.5x4.8

a = 110°

310 500 3

28x12x1.5

193 354 8

M3.5x4.8

a = 120°

310 500 6

29.8x12x1.5

193 148 1

M4x5.6

a = 130°

310 500 6

29.8x12x1.5

193 148 1

M4x5.6

a = 150°

310 500 5

29.8x12x1.5

193 148 2

M4x5.6

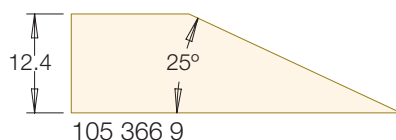
a = 160°

310 500 6

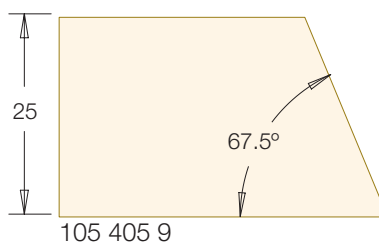
29.8x12x1.5

193 148 2

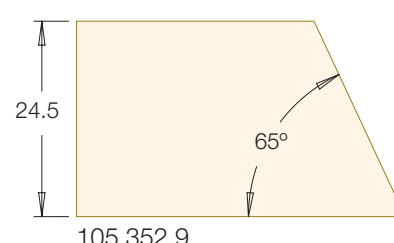
M4x5.6



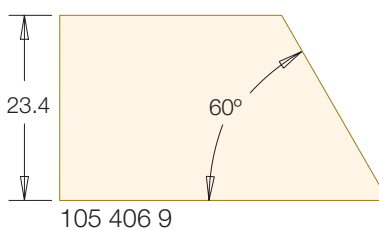
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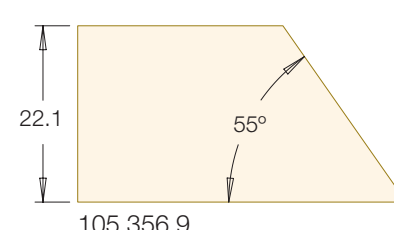
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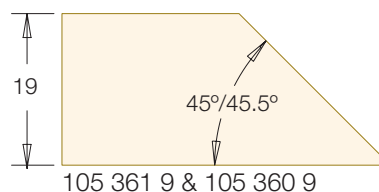
105 352 9



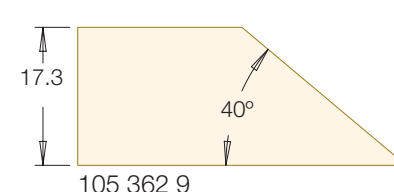
105 406 9



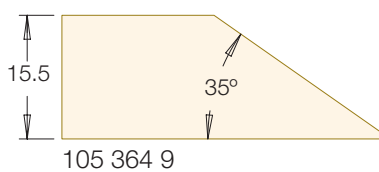
105 356 9



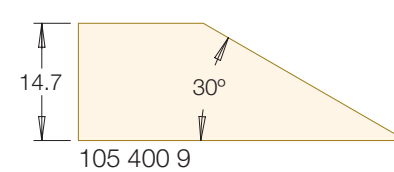
105 361 9 & 105 360 9



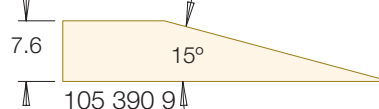
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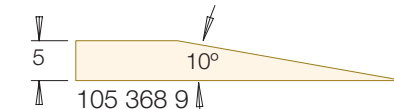
105 364 9



105 400 9



105 390 9



105 368 9

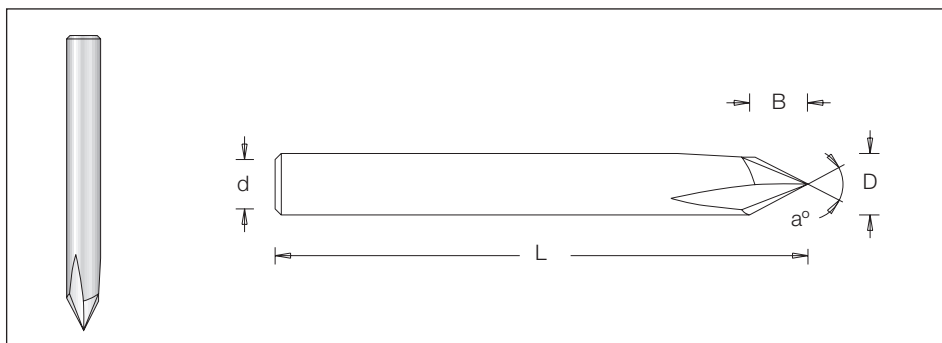
Grooving
& SizingProfiling &
ChamferingFrame &
Panel doorJoining &
Rebating

Carving

Clamping
Systems &
Adapters

Solid Carbide Grooving and Engraving

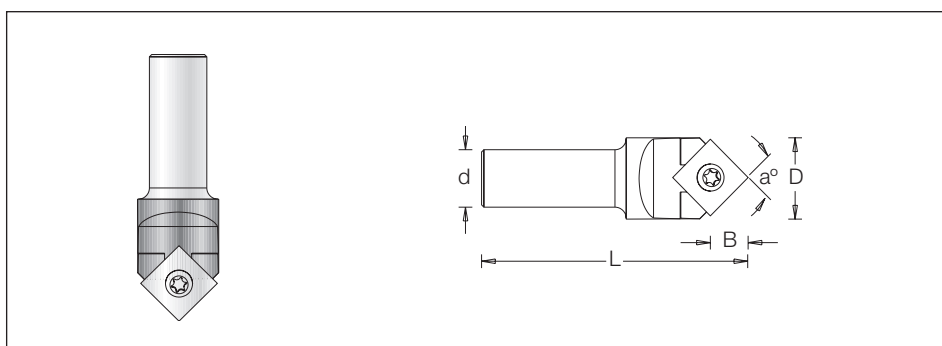
Solid tungsten carbide router cutter complete with three flute. Suitable for producing v-grooves in softwood, hardwood or man-made boards. Tool designed for engraving and sign writing. For use on routers and machining centres with or without CNC control.



øD	a	Code No.	B	L	ød	n
8	60°	so1053155	7	70	8	35,000

Grooving and Engraving Router Cutter

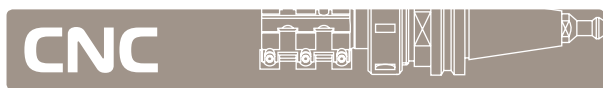
Disposable insert router complete with one cutting flute designed to engraving on solid wood, hardwood and manmade boards.



øD	a	Code No.	B	L	ød	n
17	90°	1053509	8.4	59	12	35,000

Spare Parts:

T.C. Blade
#310 121 2
12X12X1.5Torx screw
#193 364 8
M3.5x4.8Torx key
#194 101 5
T15



Grooving
& Sizing



Profiling &
Chamfering



Frame &
Panel door



Jointing &
Rebating



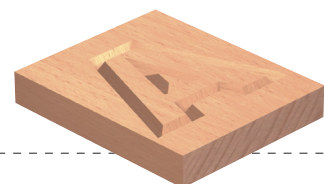
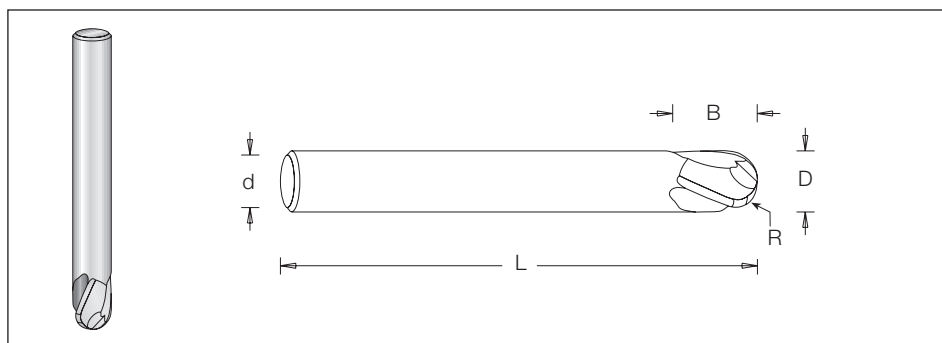
Carving



Clamping
Systems &
Adapters

Solid Carbide Radius Grooving

Solid tungsten carbide router cutter complete with three flute. Suitable for producing radius 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.



CNC

øD	R	Code No.	B	Flute	L	ød	n
3	1.5	so106303z*	3	2	60	3	35,000
6	3	so1063043	9	3	60	6	35,000
8	4	so1063085	11	3	70	8	35,000
10	5	so1063097	13	3	80	10	35,000

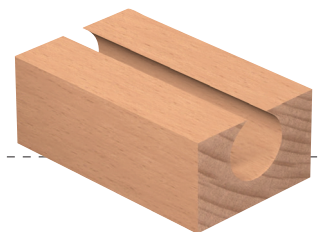
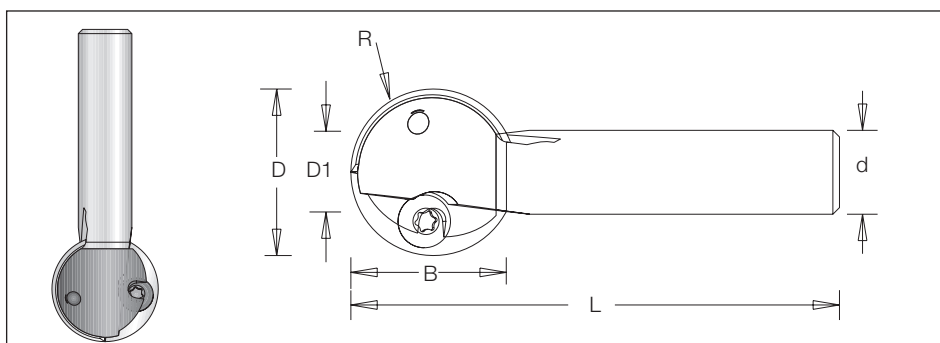
Grooving
& SizingProfiling &
ChamferingFrame &
Panel doorJointing &
Rebating

Carving

Clamping
Systems &
Adapters

Ball Groovers Router Cutter

Disposable insert router with one or two cutting flutes, suitable for light CNC and manual routing applications. Designed for 3D carving, milling and routing of electrical wire installation slots.



øD	D1	R	Code No.	B	Z	L	ød	n
12.7	10.3	6.35	1063629	10.3	1	66.7	12	18,000
16.0	13.3	8.0	1063649	14.0	2	70.0	12	18,000
19.0	15.0	9.5	1063669	17.0	2	66.7	12	18,000
25.4	17.0	12.7	1063689	23.8	2	74.0	12	18,000

Spare Parts:



T.C. Blade

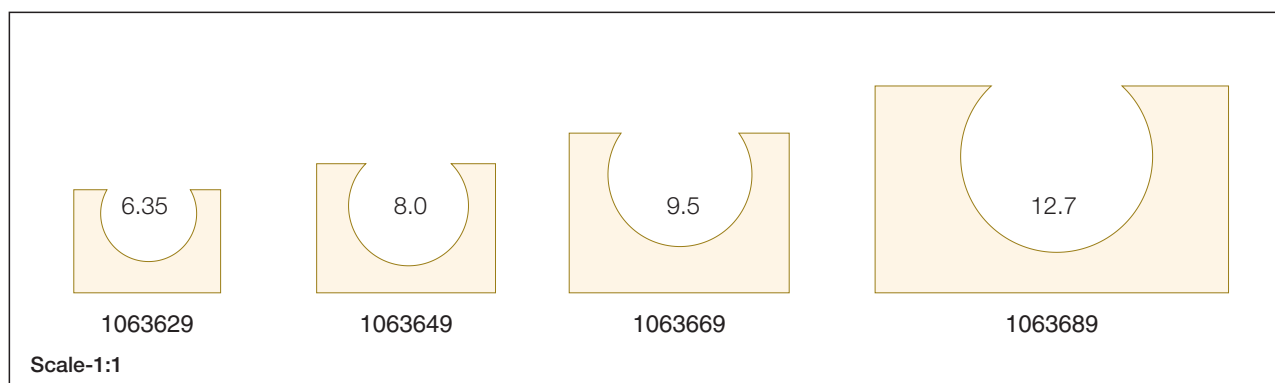
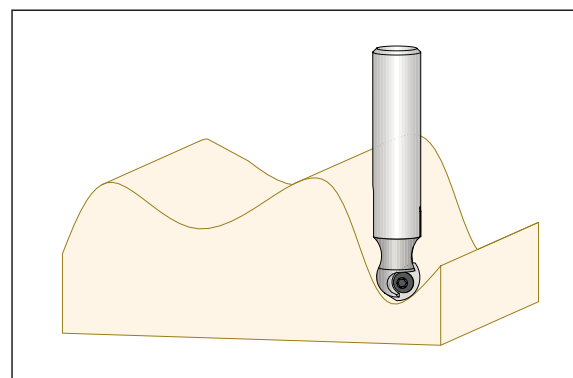
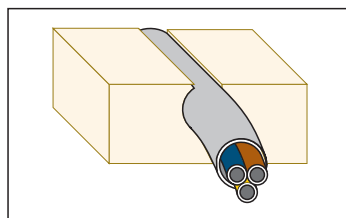


Torx screw



Torx key

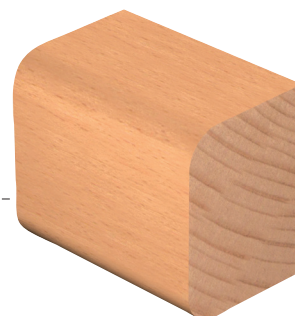
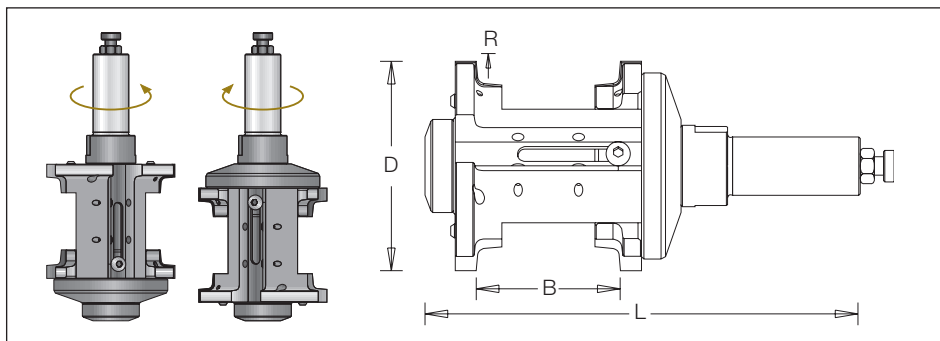
R= 6.35	310 650 1	193 400 0 M3x4	194 111 0 T-9
R= 8.0	310 650 2	193 354 8 M3.5x4.8	193 111 5 T-15
R= 9.5	310 650 3	193 400 0 M3x4	193 110 0 T-9
R= 12.7	310 650 4	193 148 2 M4x5.6	194 101 5 T-15





Rounding and Chamfering Router Cutter Set

Disposable insert router cutter suitable for rounding over and/or chamfering various thicknesses of softwood, hardwood or man-made boards, continuous adjustment and with a scale accuracy of 0.5mm. Can be adjusted for working in a left and right rotation direction. For use on routers and machining centres with CNC control.

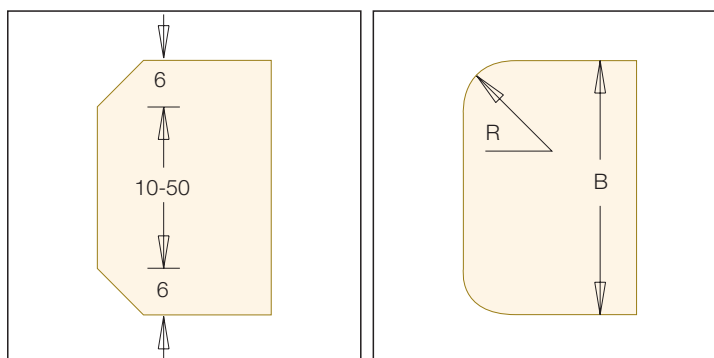


øD	R/a	Code No.	B	Z	L	ød	n
90	3	852413H	18-58	2+2+2	186	25x55	10,000
	4	852414H	18-58	2+2+2	186	25x55	10,000
	5	852415H	18-58	2+2+2	186	25x55	10,000
	6	852416H	18-58	2+2+2	186	25x55	10,000
	8	852418H	20-60	2+2+2	186	25x55	10,000
	10	852420H	22-62	2+2+2	186	25x55	10,000
	45°	852421H	12-62	2+2+2	186	25x55	10,000
Set No.	3-10 & 45°	852410H		2+2+2			

⚠ No shims needed to adjust.
Also available with 20mm diameter shank.

Spare parts:

	T.C. Blade Top	T.C. Blade Bottom	T.C. Blade	Torx screw	Arbor	Allen screw	Allen screw	Allen key	Torx key
R3	#310 896 3	#310 896 3L	#300 053 1 60x12x1.5	#193 395 0 M4x6	190 810 H L=186	193 608 0 M5x20	193 076 0 M6x12	194 003 6 S4	194 101 5 T15
R4	#310 896 4	#310 896 4L							
R5	#310 896 5	#310 896 5L							
R6	#310 896 6	#310 896 6L							
R8	#310 896 8	#310 896 8L							
R10	#310 897 0	#310 897 0L							
45°	#310 300 1	#310 300 1L							



Grooving
& Sizing
Profiling &
Chamfering
Frame &
Panel door
Joining &
Rebating

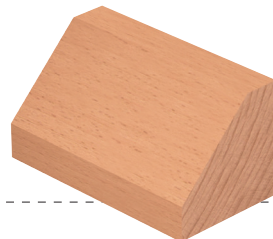
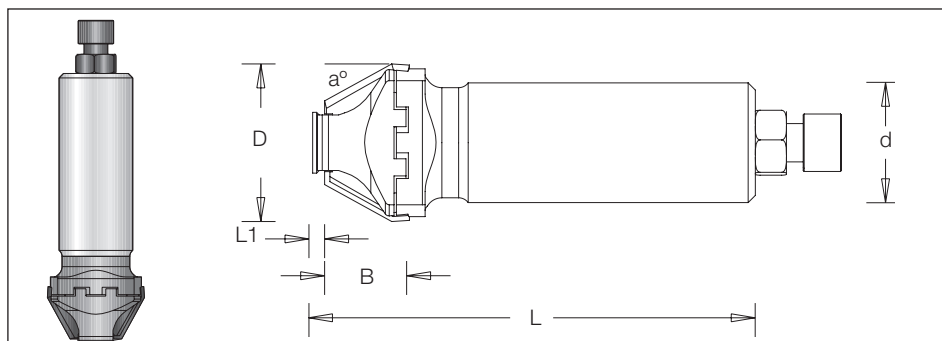

Carving

Clamping
Systems &
Adapters

Multi-Edge Profile Router cutter

Disposable insert router cutter, chip free design and twenty different profiles suitable for the same body.

Suitable for all types of wood.



øD	a	Code No.	B	ød	Z	L	L1	n
35	30°	808107H	17.5	25	2	92.5	2.5	28,000
38	45°	808602H	17.5	25	2	92.5	2.5	28,000



The router will be supplied with standard profiles.
Also available with 20mm diameter shank.

Spare Parts:



T.C. Blade
351 180 5
32x18x30°



T.C. Blade
351 181 0
35.5x18x45°



Safety Cover
199 211 0



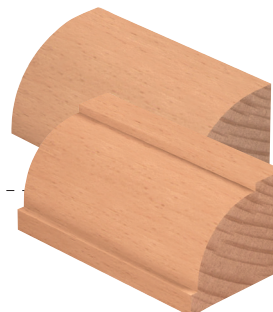
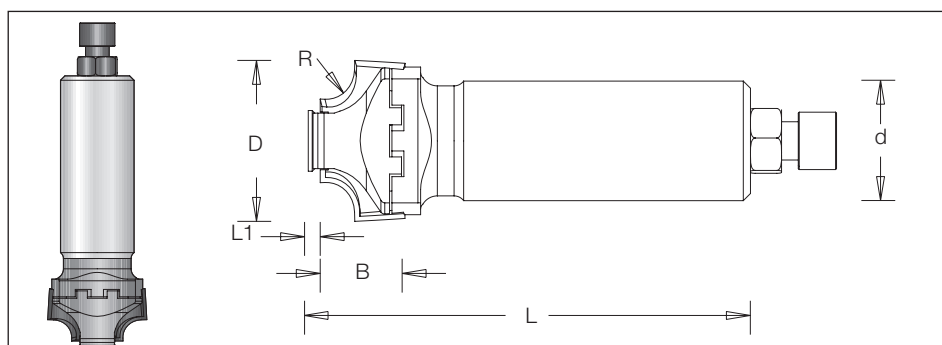
Safety Cover
199 212 0



Allen screw
193 018 0
1/4"x57



Allen key
#194 010 0
5/32"



øD	R	Code No.	B	ød	Z	L	L1	n
35	3.2	808603H	17.5	25	2	92.5	2.5	28,000
35	4.8	808604H	17.5	25	2	92.5	2.5	28,000
35	6.35	808605H	17.5	25	2	92.5	2.5	28,000
35	8	808606H	17.5	25	2	92.5	2.5	28,000
38	9.5	808607H	17.5	25	2	92.5	2.5	28,000



The router will be supplied with standard profiles.
Also available with 20mm diameter shank.

Spare Parts:



T.C. Blade
351 090 5
33x18xR3.2



T.C. Blade
351 091 0
32.7x18xR4.8



T.C. Blade
351 091 5
32.5x18xR6.35



T.C. Blade
351 092 0
32.5x18xR8



T.C. Blade
351 092 5
35.4x18xR9.5



Safety Cover
199 211 0



Safety Cover
199 212 0



Allen screw
193 018 0
1/4"x57



Allen key
#194 010 0
5/32"

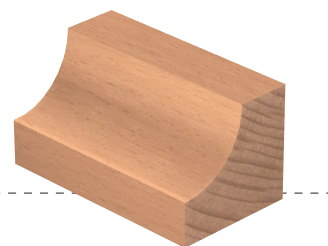
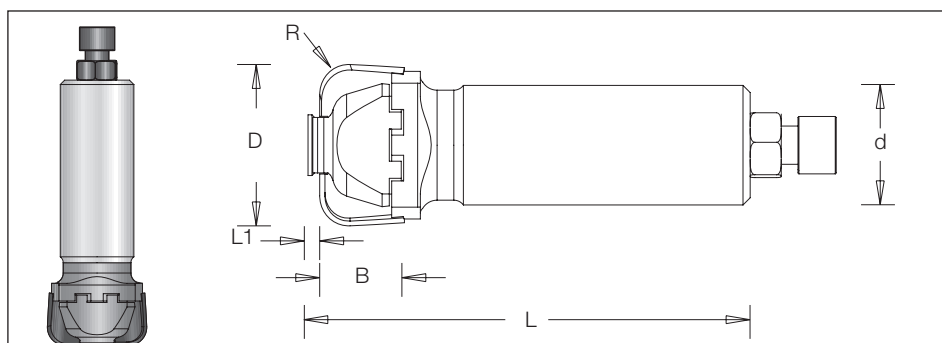
Grooving
& Sizing
Profiling &
Chamfering
Frame &
Panel door
Joining &
Rebating


Carving

Clamping
Systems &
Adapters

Multi-Edge Profile Router cutter

Disposable insert router cutter, chip free design and twenty three different profiles suitable for the same body.
Suitable for all types of wood.



CNC

øD	R	Code No.	B	ød	Z	L	L1	n
35	6.3	808611H	17.5	25	2	92.5	2.5	28,000
35	8	808612H	17.5	25	2	92.5	2.5	28,000
35	9.5	808601H	17.5	25	2	92.5	2.5	28,000

⚠ The router will be supplied with standard profiles.
Also available with 20mm diameter shank.

Spare Parts:



T.C. Blade
351 120 5
32.7x18xR6.3



T.C. Blade
351 121 0
32x18xR8



T.C. Blade
351 121 5
35.6x18xR9.5



Safety Cover
199 211 0



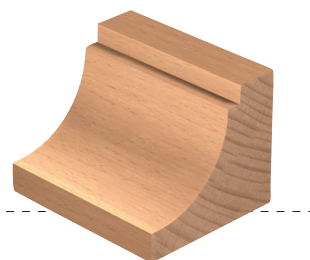
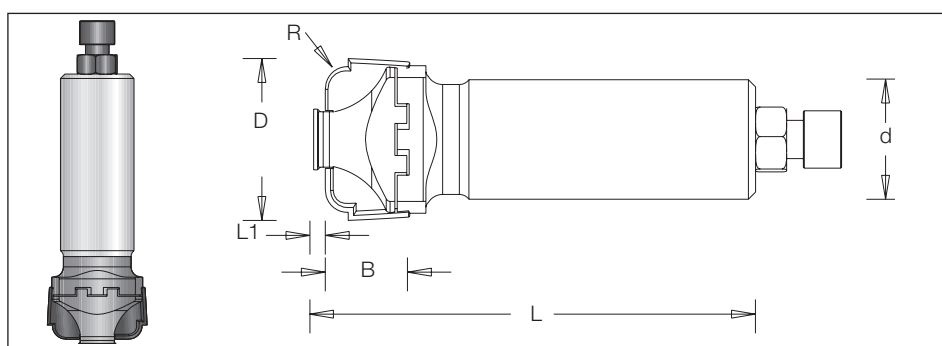
Safety Cover
199 212 0



Allen screw
193 018 0
1/4"x57



Allen key
#194 010 0
5/32"



øD	R	Code No.	B	ød	Z	L	L1	n
35	4.8	808613H	17.5	25	2	92.5	2.5	28,000

⚠ The router will be supplied with standard profiles.
Also available with 20mm diameter shank.

Spare Parts:



T.C. Blade
351 400 5
32.8x18xR4.8



Safety Cover
199 211 0



Safety Cover
199 212 0



Allen screw
193 018 0
1/4"x57



Allen key
#194 010 0
5/32"

CNC



Grooving
& Sizing



Profiling &
Chamfering



Frame &
Panel door



Joining &
Rebating



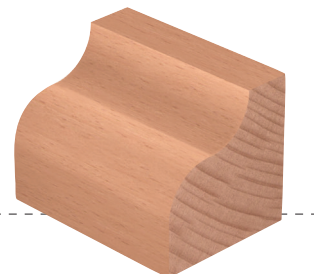
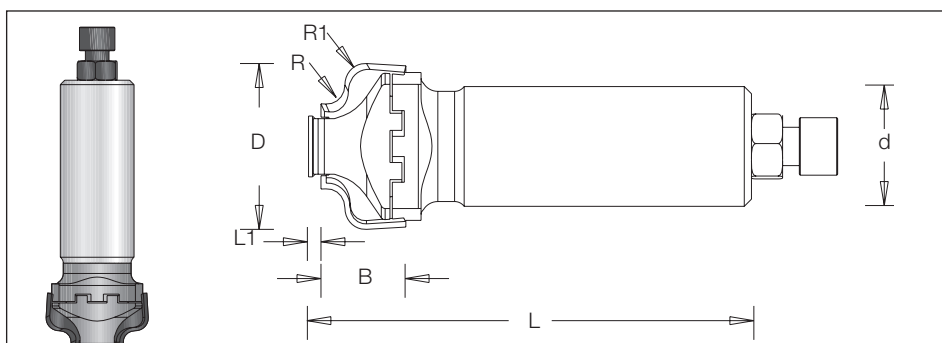
Carving



Clamping
Systems &
Adapters

Multi-Edge Profile Router cutter

Disposable insert router cutter, chip free design and twenty three different profiles suitable for the same body.
Suitable for all types of wood.



øD	R	R1	Code No.	B	ød	Z	L	L1	n
38	4	4.5	808615H	17.5	25	2	92.5	2.5	28,000

⚠ The router will be supplied with standard profiles.
Also available with 20mm diameter shank.

Spare Parts:



T.C. Blade

351 381 0

35.6x18xR4/4.5



Safety Cover

199 211 0



Safety Cover

199 212 0



Allen screw

193 018 0

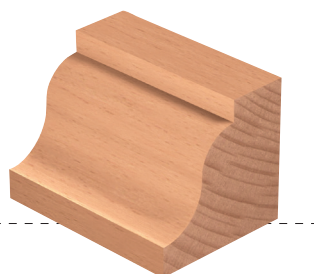
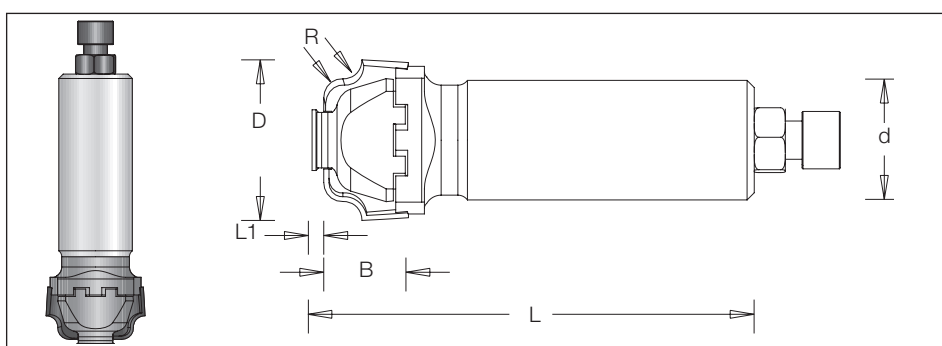
1/4"x57



Allen key

#194 010 0

5/32"



øD	R	Code No.	B	ød	Z	L	L1	n
35	4	808616H	17.5	25	2	92.5	2.5	28,000

⚠ The router will be supplied with standard profiles.
Also available with 20mm diameter shank.

Spare Parts:



T.C. Blade

351 130 5

32.5x18xR4



Safety Cover

199 211 0



Safety Cover

199 212 0



Allen screw

193 018 0

1/4"x57



Allen key

#194 010 0

5/32"

CNC



Grooving
& Sizing



Profiling &
Chamfering



Frame &
Panel door



Jointing &
Rebating



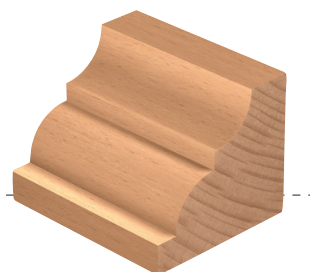
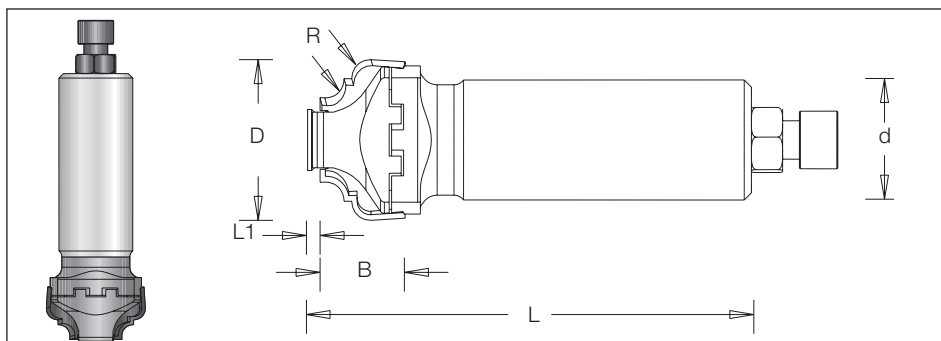
Carving



Clamping
Systems &
Adapters

Multi-Edge Profile Router cutter

Disposable insert router cutter, chip free design and twenty three different profiles suitable for the same body.
Suitable for all types of wood.



CNC

øD	R	Code No.	B	ød	Z	L	L1	n
38	4	808618H	17.5	25	2	92.5	2.5	28,000

! The router will be supplied with standard profiles.
Also available with 20mm diameter shank.

Spare Parts:



T.C. Blade
351 351 0
35.5x18xR4



Safety Cover
199 211 0



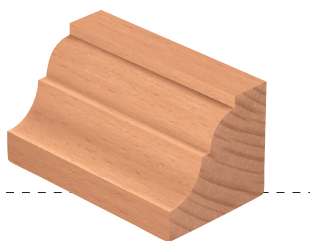
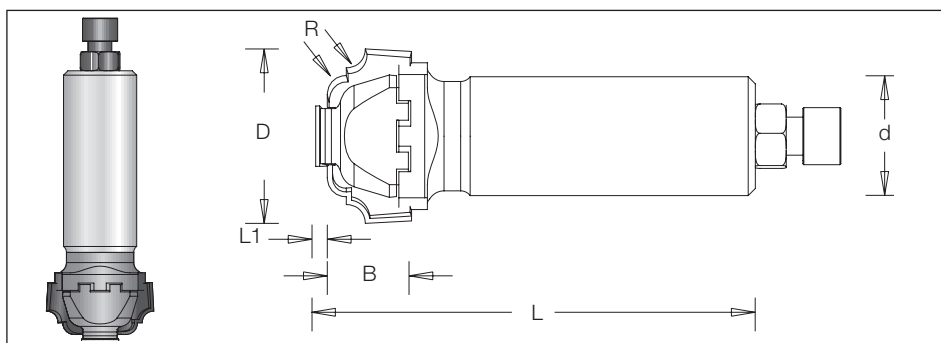
Safety Cover
199 212 0



Allen screw
193 018 0
1/4"x57



Allen key
#194 010 0
5/32"



øD	R	Code No.	B	ød	Z	L	L1	n
38	4	808619H	17.5	25	2	92.5	2.5	28,000

! The router will be supplied with standard profiles.
Also available with 20mm diameter shank.

Spare Parts:



T.C. Blade
351 340 5
35.6x18xR4



Safety Cover
199 211 0



Safety Cover
199 212 0



Allen screw
193 018 0
1/4"x57



Allen key
#194 010 0
5/32"

CNC



Grooving
& Sizing



Profiling &
Chamfering



Frame &
Panel door



Joining &
Rebating



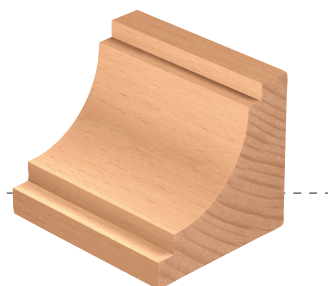
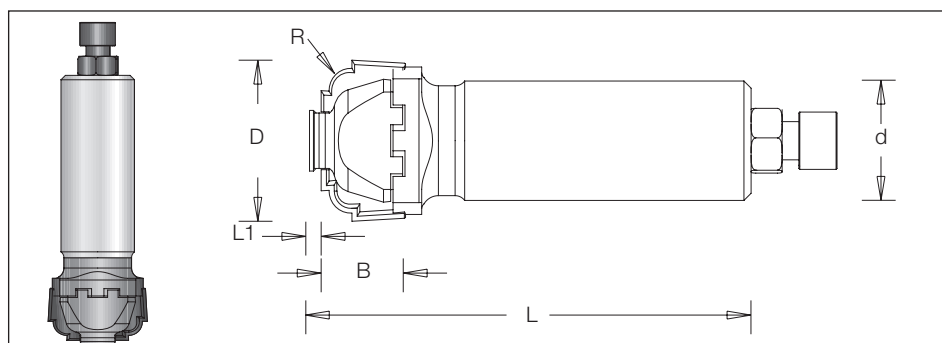
Carving



Clamping
Systems &
Adapters

Multi-Edge Profile Router cutter

Disposable insert router cutter, chip free design and twenty three different profiles suitable for the same body.
Suitable for all types of wood.



øD	R	Code No.	B	ød	Z	L	L1	n
35	4.8	808620H	17.5	25	2	92.5	2.5	28,000

⚠ The router will be supplied with standard profiles.
Also available with 20mm diameter shank.

Spare Parts:



T.C. Blade
351 390 5
32.7x18xR4.8



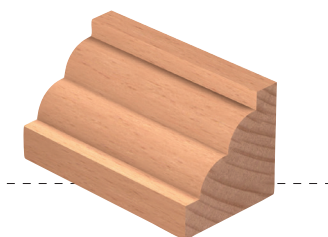
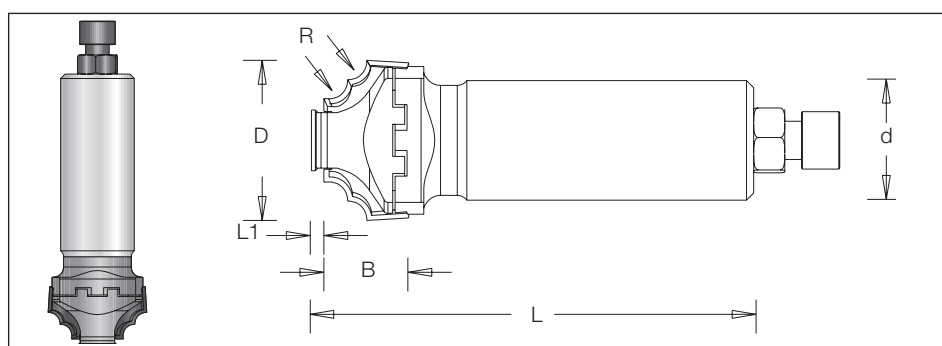
Safety Cover
199 211 0



Safety Cover
199 212 0



Allen screw
193 018 0
1/4"x57



øD	R	Code No.	B	ød	Z	L	L1	n
38	4	808622H	17.5	25	2	92.5	2.5	28,000

⚠ The router will be supplied with standard profiles.
Also available with 20mm diameter shank.

Spare Parts:



T.C. Blade
351 361 0
35.6x18xR4



Safety Cover
199 211 0



Safety Cover
199 212 0



Allen screw
193 018 0
1/4"x57



Allen key
#194 010 0
5/32"

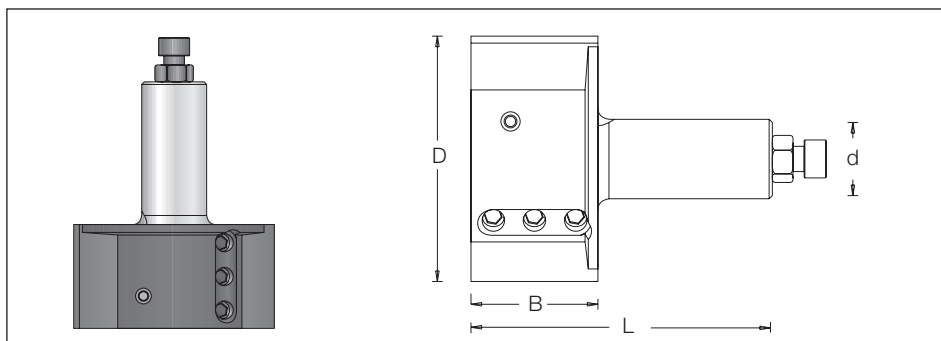
Grooving
& SizingProfiling &
ChamferingFrame &
Panel doorJointing &
Rebating

Carving

Clamping
Systems &
Adapters

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	Code No.	B	Z	L	ød	n
80	8560020	40	2	100	25	18,000



Also available with 20mm diameter shank.

Spare Parts:

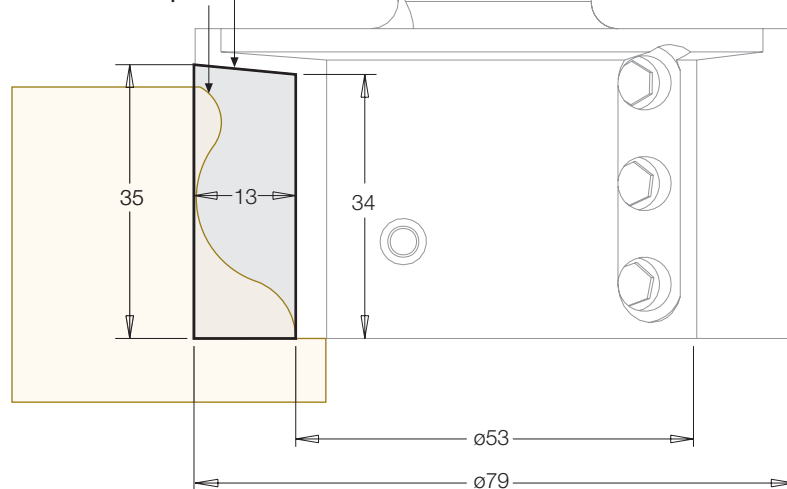
BLANK
305 650 1Wedge
199 022 0
40x13.5x8Supporting plate
199 110 0
40x26x4Allen screw
193 040 0
M8x10Allen key
194 015 0
S-4

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

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

Available profile area

Profile sample fit



Scale 1:1

CNC



Grooving
& Sizing



Profiling &
Chamfering



Frame &
Panel door



Joining &
Rebating



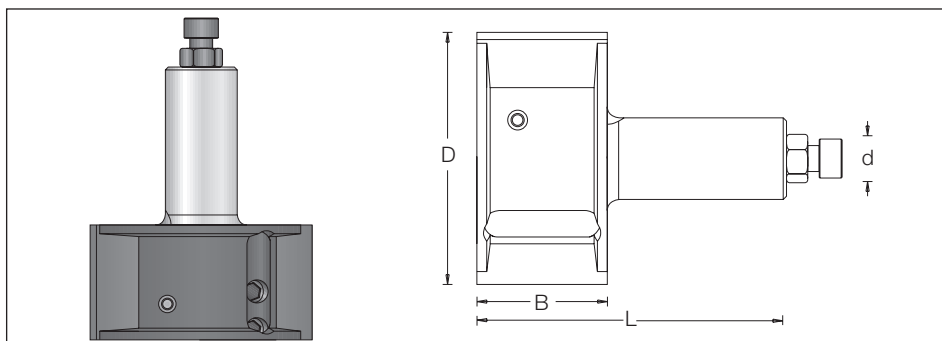
Carving



Clamping
Systems &
Adapters

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	Code No.	B	Z	L	ød	n
80	8560010	40	2	100	25	18,000

⚠ Also available with 20mm diameter shank.

Spare Parts:



Special
profile



Wedge
199 022 0
40x15.5x8



Supporting plate
199 110 0
40x26x4



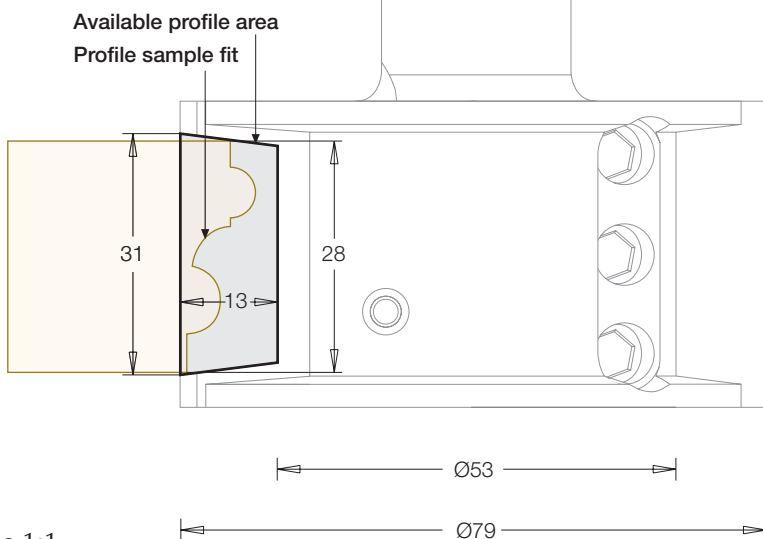
Allen screw
193 026 6
M8x10



Allen key
194 015 0
S4

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

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

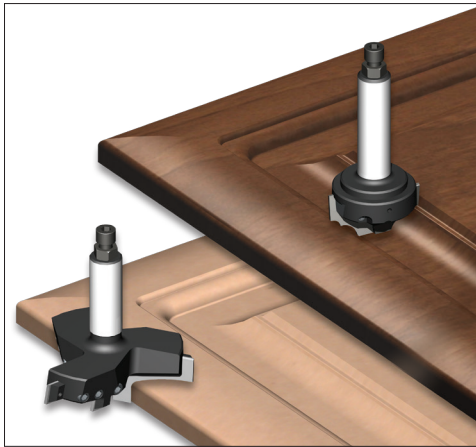


Grooving
& Sizing
Profiling &
Chamfering
Frame &
Panel door
Joining &
Rebating


Carving

Clamping
Systems &
Adapters

CNC Multi Profile Router Bits for Cabinet Doors



With various combinations of three styles of knife holders and custom made profile knives, any type of cabinet form doors can be produced. These tools are mostly recommended for producing cabinet doors made from natural wood or MDF.

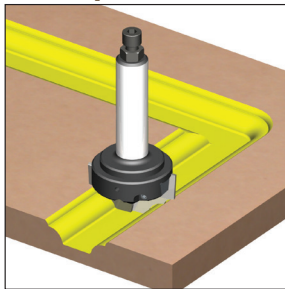
The desired profile by the customer is considered and then it's divided to the partial profiles in the most efficient way. One pair of knives is made for each partial profile.

In order to get the complete profile, each pass of each tool will make a part of the profile.

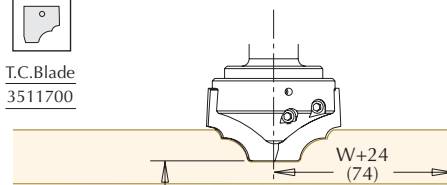
If the profile is more complicated, it may take more tools and more passes in order to complete the profile. Each complete application can have several profiles, which are assembled in line with the replaceable knife holders. At the end of the milling process, the doors are ready to be coated with PVC, veneer or painted.

CNC

1. First pass



Code No.	øD	B	L	ød
8080310	56	25	109	20

T.C.Blade
3511700


VIOLA Door

W = width of the frame.

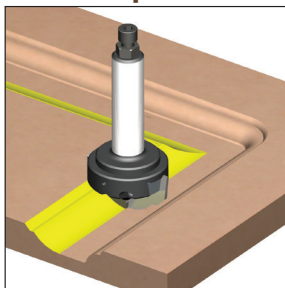
H = maximum depth of the frame.

In the example:

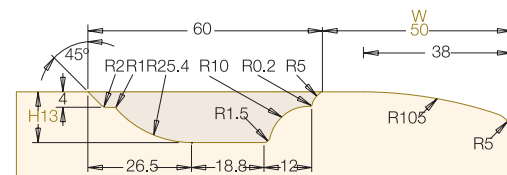
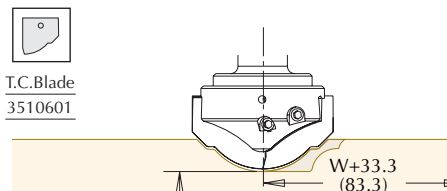
W = 50 and H = 13

Any change in the dimensions of the frame width and depth should be done according to the formula that is written on each tool drawing.

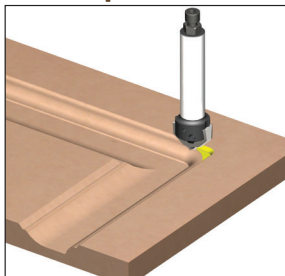
2. Second pass



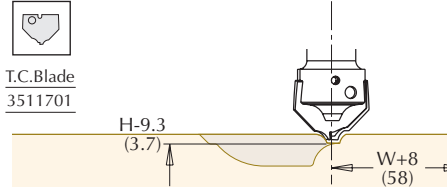
Code No.	øD	B	L	ød
8080320	56	25	109	20

T.C.Blade
3510601


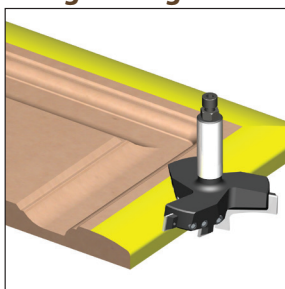
3. Third pass



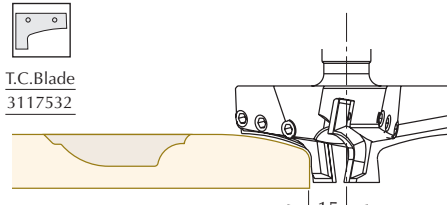
Code No.	øD	B	L	ød
8080630	32	24	109	20

T.C.Blade
3511701


4. Edge Sizing & Profiling pass



Code No.	øD	B	L	ød
8171230	106	20	99.5	20

T.C.Blade
3117532


Grooving
& SizingProfiling &
ChamferingFrame &
Panel doorJointing &
Rebating

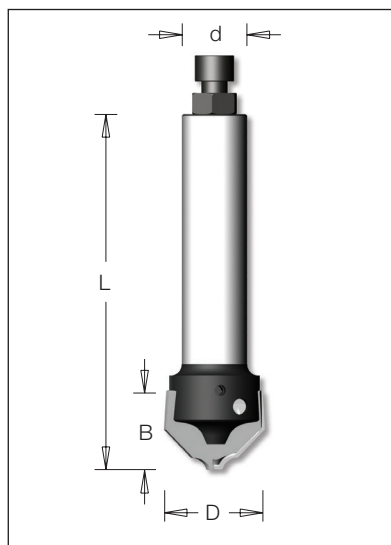
Carving

Clamping
Systems &
Adapters

Three Styles of Universal Replaceable Knife Holders.

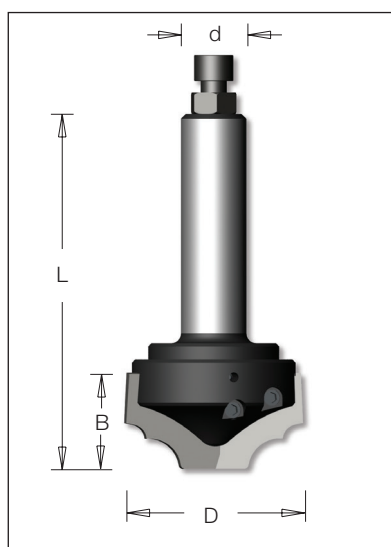
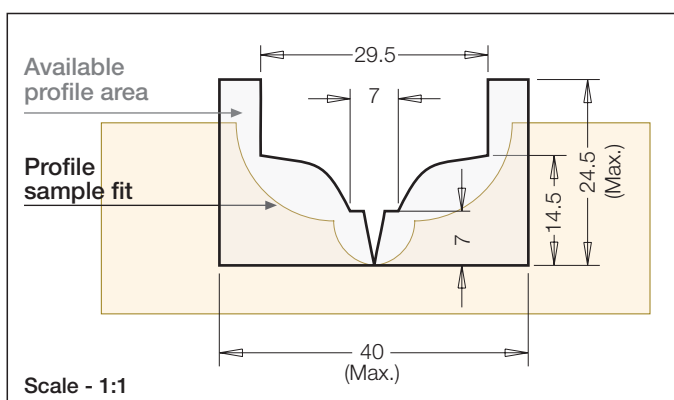
With the following grinding envelope, it can be determined, which part of the profile can be made by what tool. Tool diameter, profile symmetry and the overlap should also be taken into consideration of how to divide the profile.

Minimum required quantity for special knives. Catalog Number of assembled tool with special knives will be changed



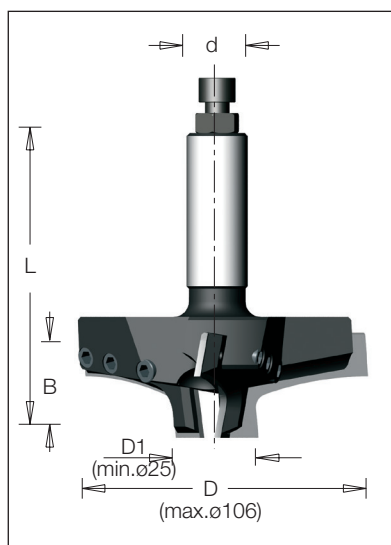
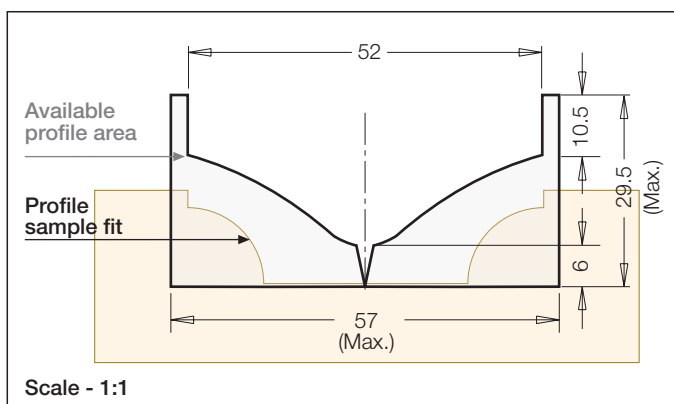
Code No.	øD	B	Z	L	ød
8080110	40	24.5	2	109	20

⚠ Also available with 25mm diameter shank.



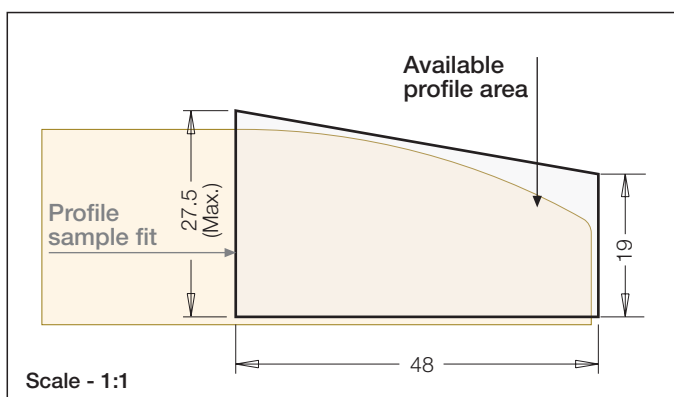
Code No.	øD	B	Z	L	ød
8080350	57	29.5	2	109	20

⚠ Also available with 25mm diameter shank.



Code No.	øD	øD1	B	Z	L	ød
8171x3 0	106	25	27.5	3	99.5	20

⚠ Also available with 25mm diameter shank.



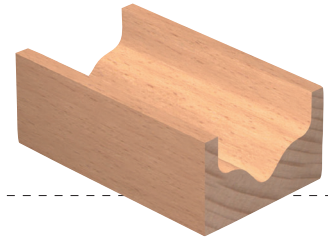
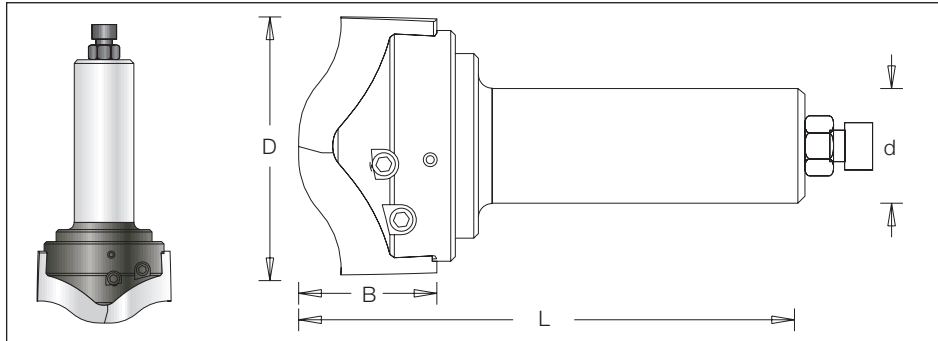
Grooving
& Sizing
Profiling &
Chamfering
Frame &
Panel door
Jointing &
Rebating


Carving

Clamping
Systems &
Adapters

Multi-Face Profile Router Cutter

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	Code No.	B	Profile	Z	L	d	n
56	808035H	29.5	Customer design	2	109	25	14,000
	8080310	25.0	1	2	109	20	14,000
	8080320	25.0	2	2	109	20	14,000

⚠ Also available with 20/25mm diameter shank.

Spare Parts:



T.C. Blade
351 170 0
29x30x2.5



Allen screw
#193 049 5
M6x10



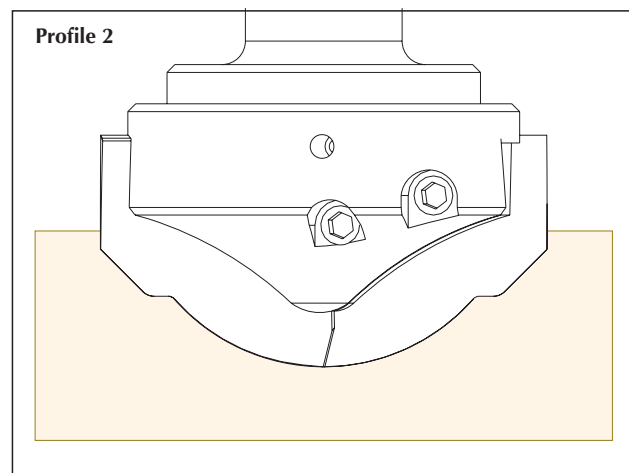
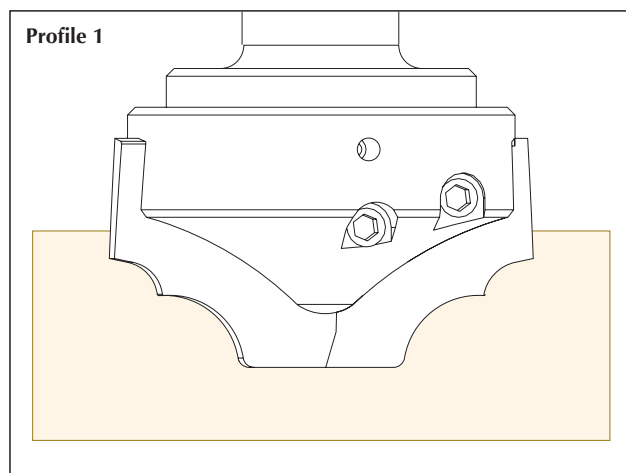
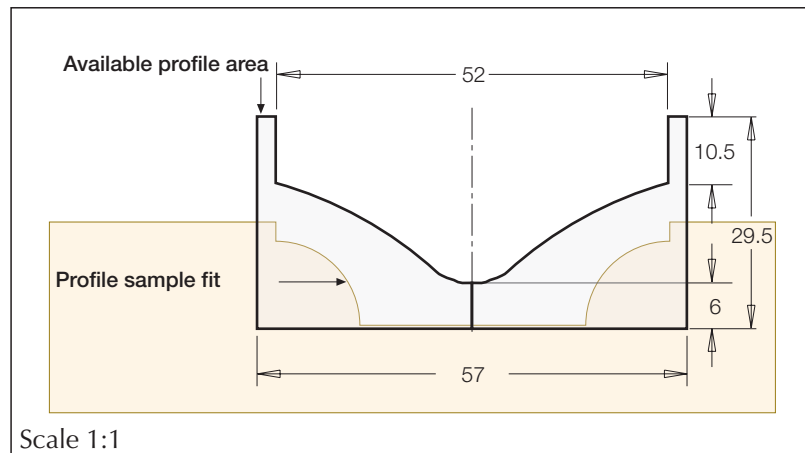
Allen key
#194 003 5
S3

Profile 1



Profile 2

T.C. Blade
351 060 1
29.5x30x2.5



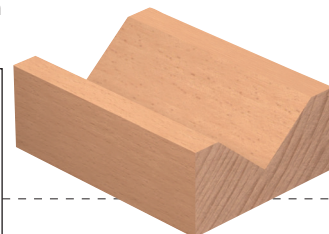
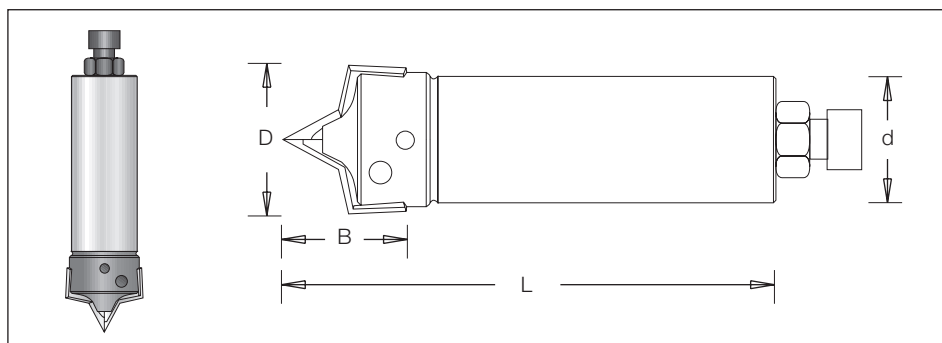
Grooving
& SizingProfiling &
ChamferingFrame &
Panel doorJointing &
Rebating

Carving

Clamping
Systems &
Adapters

Multi-Face Profile Router Cutter

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	B	Code No.	Profile	Z	L	ød	n
29.5				8080110	Customer design	2	82.5	20	28,000
	45		24.6	8080510	B51	2	82.5	20	28,000
	30		24.6	8080520	B52	2	82.5	20	28,000
		6.3	24.6	8080530	B53	2	82.5	20	28,000
		12.5	24.6	8080540	B54	2	82.5	20	28,000
		4.0	24.6	8080550	B55	2	82.5	20	28,000

⚠ The router will be supplied with standard profiles or with knives grinded according to customer specification that fit into the marked area.
Also available with 25mm diameter shank.

Spare Parts:



B51 T.C. Blade
351 051 0
31x25x2



Wedge
199 050 0
L=28



Allen Screw
#193 049 0
M5x10



Allen key
#194 008 0
S2.5

T.C. Blade

B52 351 050 5
31x25x2

T.C. Blade

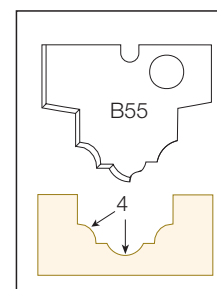
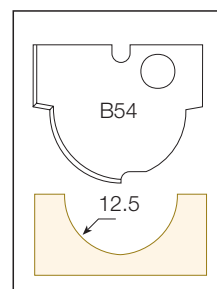
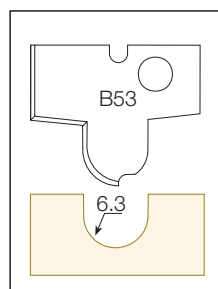
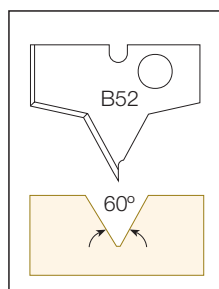
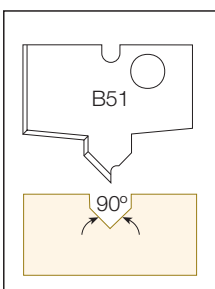
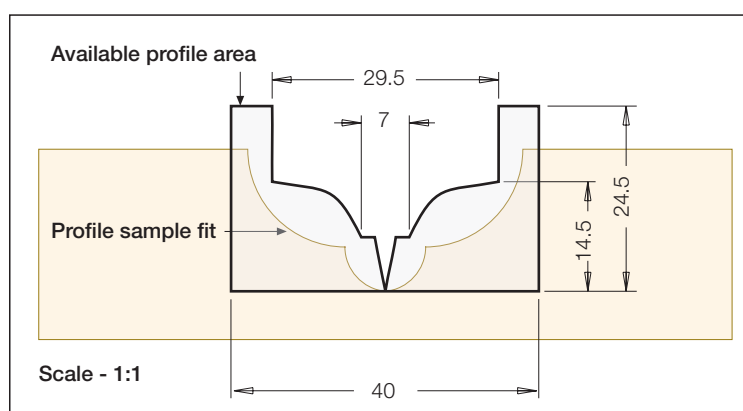
B53 351 060 5
31x24x2

T.C. Blade

B54 351 061 0
31x24x2

T.C. Blade

B55 351 310 5
31x24x2



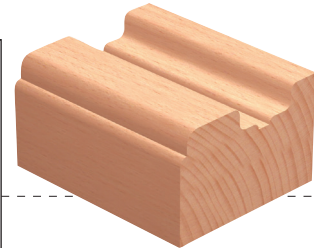
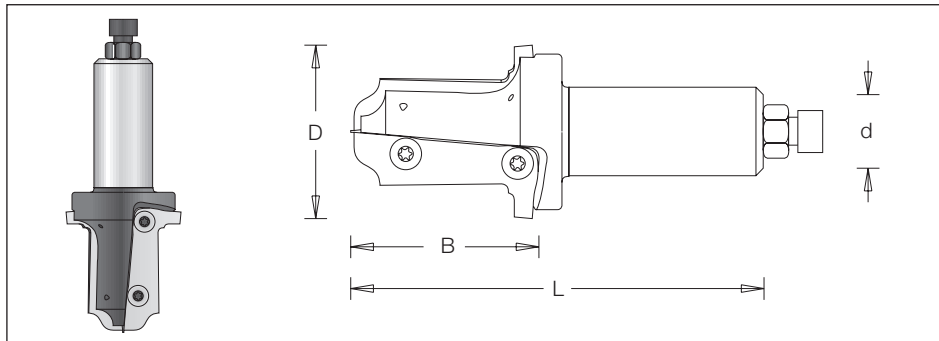
Grooving
& SizingProfiling &
ChamferingFrame &
Panel doorJointing &
Rebating

Carving

Clamping
Systems &
Adapters

Multi Purpose Profile Router Cutter

Disposable insert straight router cutter with two cutting flutes. Suitable for profiling and sizing 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.



CNC

øD	B	Code No.	Profile	Z	L	ød	n
50	50	853001H	Customer design	2	120	25	10,000
	50	853011H	1	2	120	25	10,000
	50	853012H	2	2	120	25	10,000

⚠ Also available with 20 mm diameter shank.

Spare parts:



T.C. Blade



Torx screw

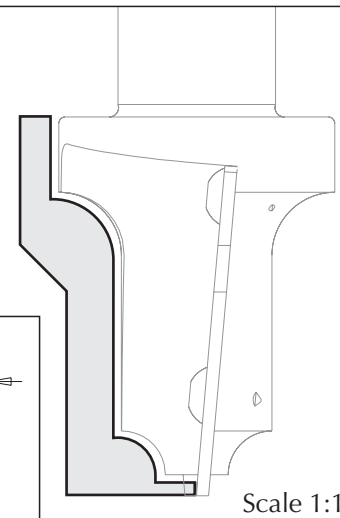


Torx key

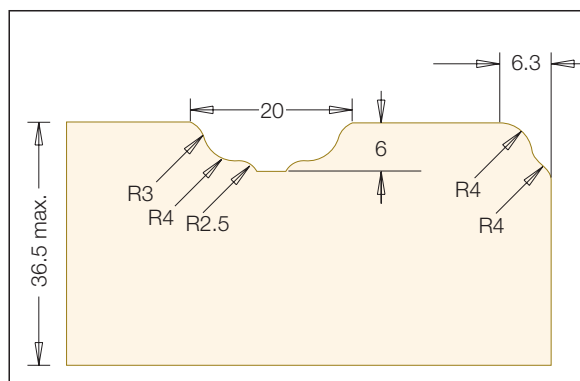
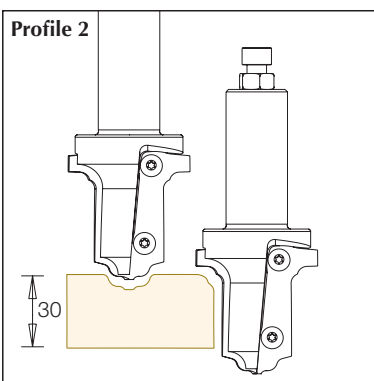
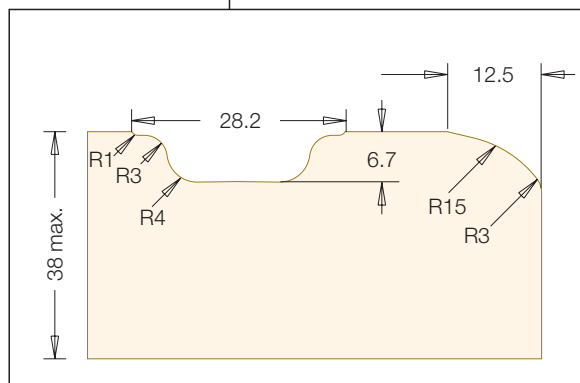
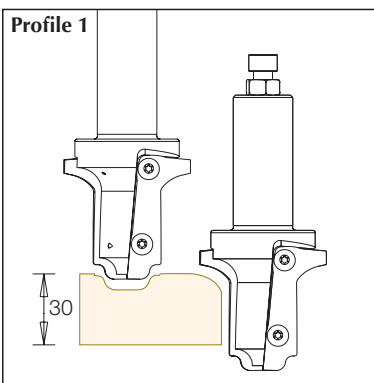
Profile 1 #315 300 1 54x20x2 #193 395 0 M4x6 #194 101 5 T-15

Profile 2 #315 300 2 54x20x2

The router bit will be supplied with standard profiles or with knives grinded according to customer specification that fit into the marked area.



Scale 1:1



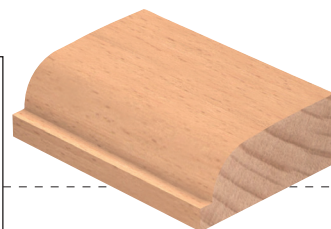
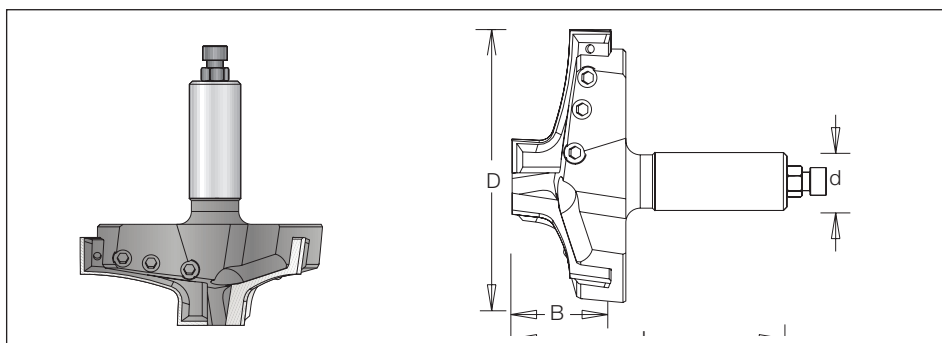
Grooving
& SizingProfiling &
ChamferingFrame &
Panel doorJointing &
Rebating

Carving

Clamping
Systems &
Adapters

Multi Frame Profile Router Cutter

Disposable insert profile router with three disposable Tungsten Carbide knives and back plates. Assembled in 10° Shear angle for best cutting results, suitable for profiling softwood, hardwood and manmade boards. For use on machining center with CNC control.



øD	Code No.	B	Profile No.	Z	L	ød	n
95	8171430	20	1	3	99.5	20	10,000
122	8171330	25	2	3	104	20	10,000
106	8171230	20	3	3	99.5	20	10,000
120	8171130	20	4	3	99.5	20	10,000

Also available with 25mm diameter shank.

Spare parts:



T.C. Blade



Wedge

Allen screw
M8x12

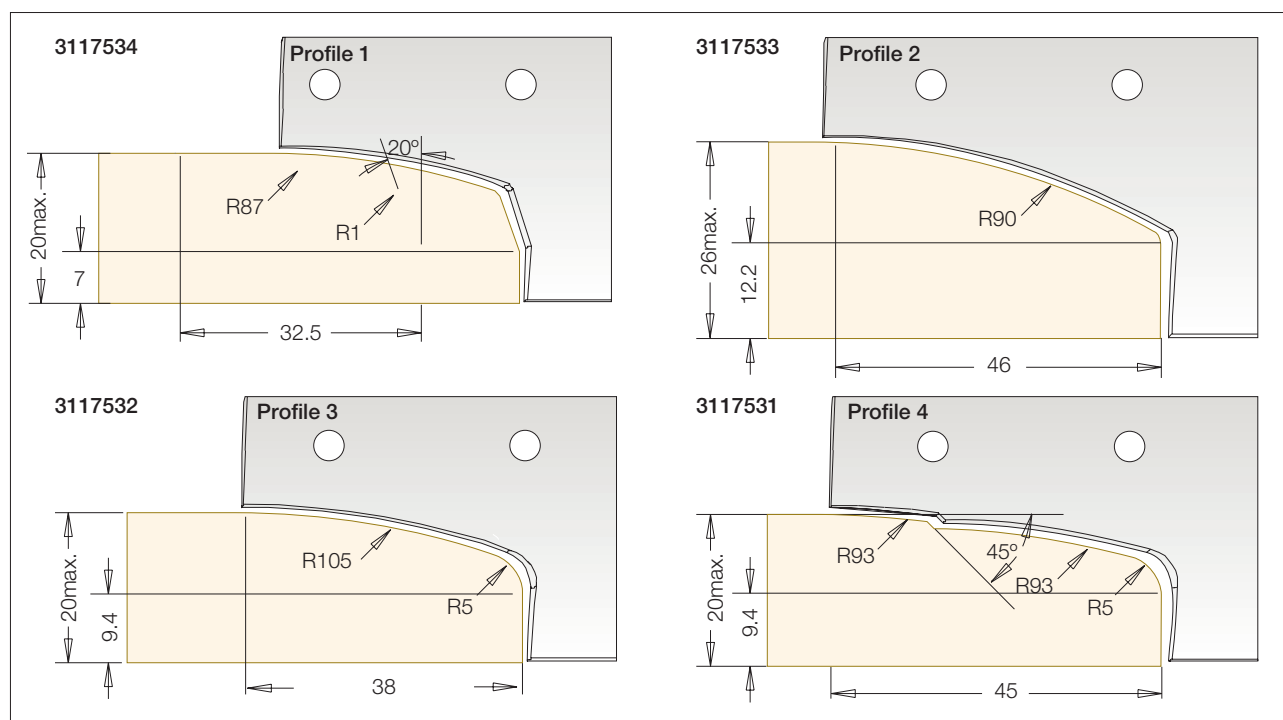
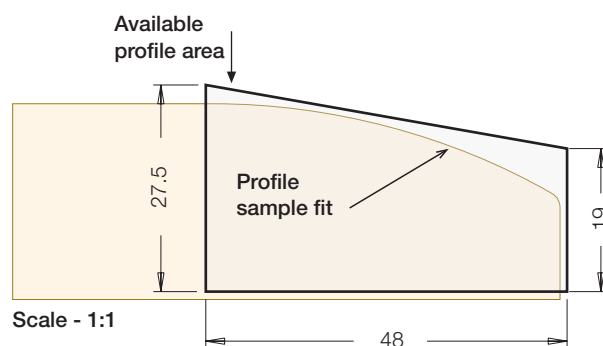
Allen key

Profile 1 #311 753 4 199 153 4 #193 026 6 #194 003 6
44x35x2.0 42.5x33x4 M8x12 S4

Profile 2 #311 753 3 199 153 3
57.6x40x2.0 56x38x4

Profile 3 #311 753 2 199 153 2
49.6x35x2.0 48x33x4

Profile 4 #311 753 1 199 153 1
56.7x35x2.0 55x33.5x4

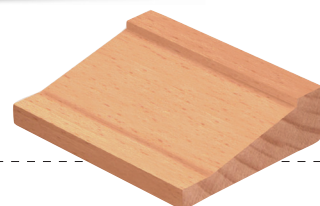
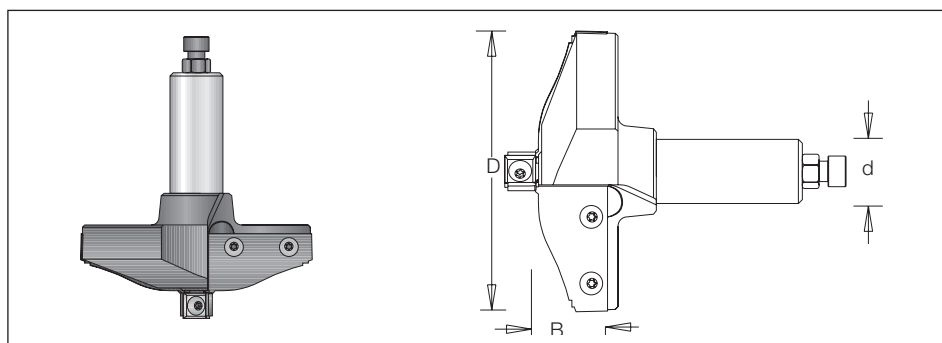


Grooving
& Sizing
Profiling &
Chamfering
Frame &
Panel door
Joining &
Rebating


Carving

Clamping
Systems &
Adapters

Multi Profile Raised Panel Router Cutter



øD	Code No. Without Trimmer	Profile No.	Z	L	ød	n
112	822031H	1	2	110	25	10,000
	822032H	2	2	110	25	10,000
	822033H	3	2	110	25	10,000
	822034H	4	2	110	25	10,000
	822035H	5	2	110	25	10,000
	822036H	6	2	110	25	10,000
	822037H	7	2	110	25	10,000
	822038H	8	2	110	25	10,000

⚠ Available with or without trimmer bit "807 301 3"
Also available with 20mm diameter shank.

Spare parts:



T.C. Blade



Torx screw



Allen screw



Allen key



Torx key

file 1 #352 220 1
50x30.5x2

#193 148 1
M4x5.6

#193 039 5
M4x5

#194 020 0
S2

194 101 5
T - 15

file 2 #352 220 2
50x30.5x2

file 3 #352 220 3
50x30.5x2

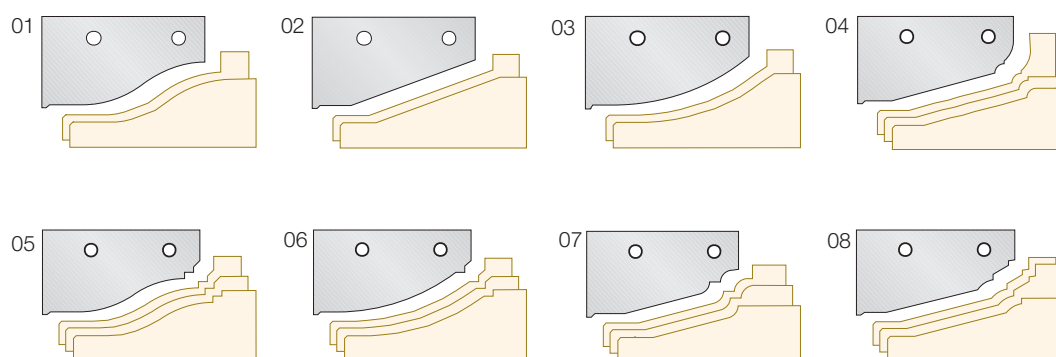
file 4 #352 220 4
50x30.5x2

file 5 #352 220 5
50x30.5x2

file 6 #352 220 6
50x30.5x2

file 7 #352 220 7
50x30.5x2

file 8 #352 220 8
50x30.5x2



Trimmer Bit

øD1	Code No	B	L	ød
18	8073015	12	31.8	8

Spare Parts:



T.C. Blade



Torx screw

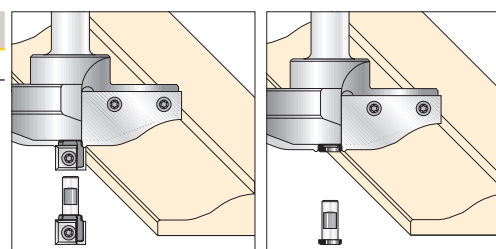


Torx key

310 121 2
12x12x1.5

193 148 2
M4x5.6

194 101 5
T - 15



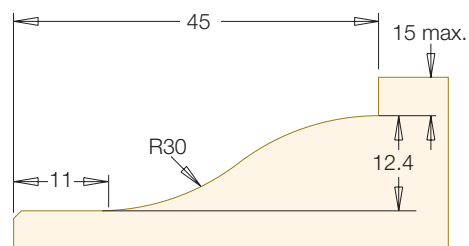
Grooving
& SizingProfiling &
ChamferingFrame &
Panel doorJoining &
Rebating

Carving

Clamping
Systems &
Adapters

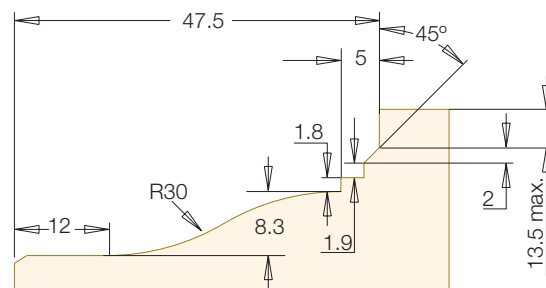
Profile for Raised Panel Router Cutter - Page 2.43

Profile 1



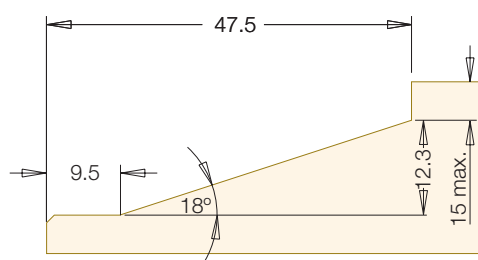
Scale - 1:1

Profile 5



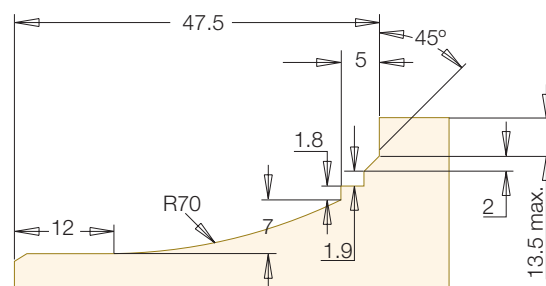
Scale - 1:1

Profile 2



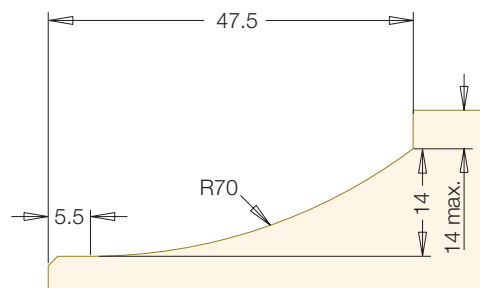
Scale - 1:1

Profile 6



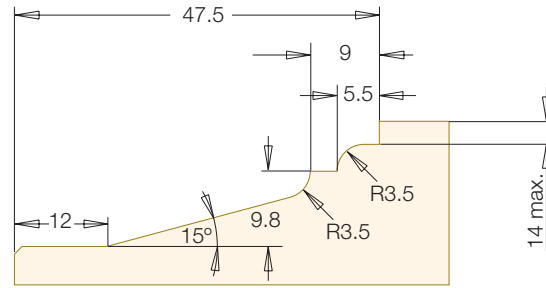
Scale - 1:1

Profile 3



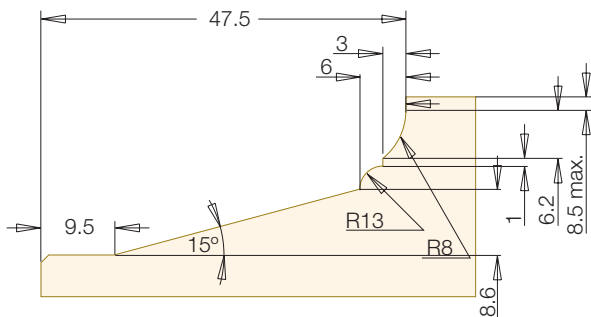
Scale - 1:1

Profile 7



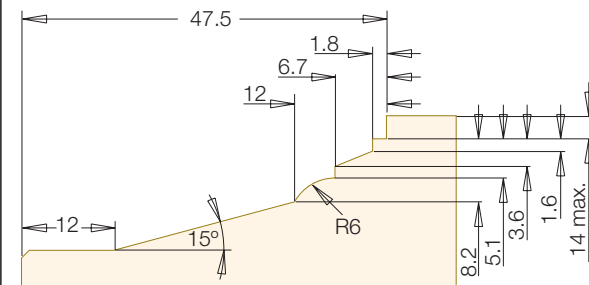
Scale - 1:1

Profile 4



Scale - 1:1

Profile 8



Scale - 1:1

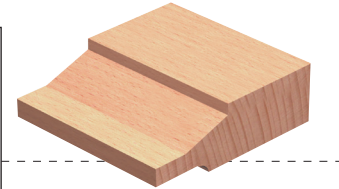
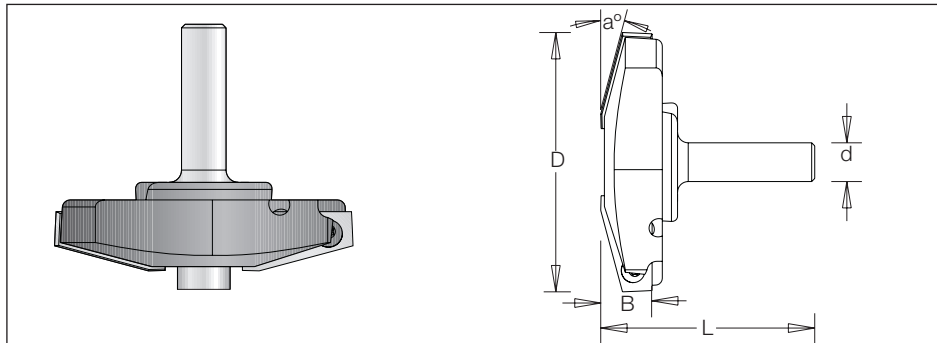
Grooving
& Sizing
Profiling &
Chamfering
Frame &
Panel door
Jointing &
Rebating


Carving

Clamping
Systems &
Adapters

Raised Panel Router Cutter

Disposable insert router with two cutting flutes, suitable for light CNC and manual routing applications. Includes an assembled ball bearing seat and an anti-dust plug. Can also be used on a CNC machine with a back cutter.



øD	a°	Code No.	B	Z	L	ød	n
85.8	15°	8223019	20.2	2	71	12	12,000

Spare Parts:



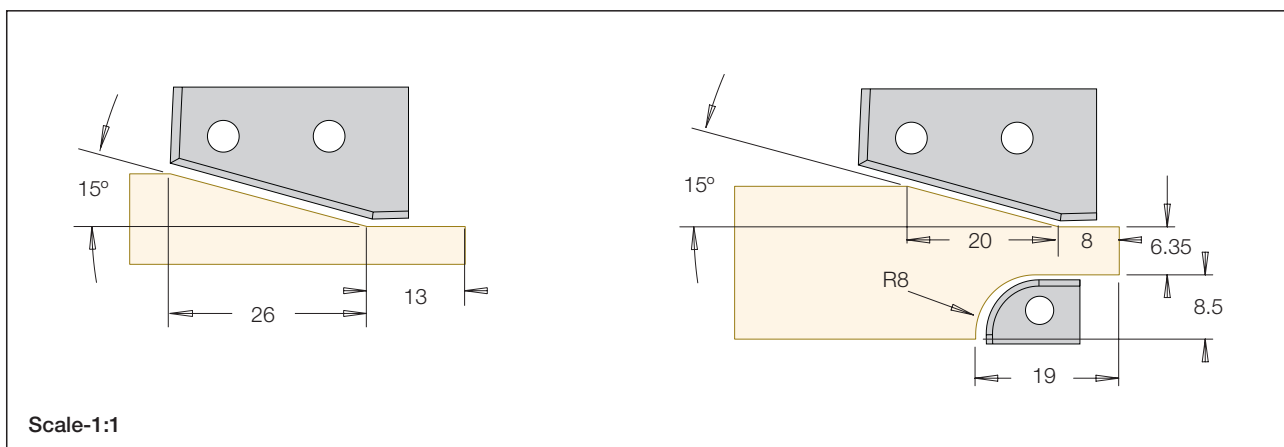
T.C. Blade
312 200 1
31x17x2



Torx screw
193 148 2
M4x5.6



Torx key
194 101 5
T-15



Back Cutter
822 501 0
54X26.7X1/2"



T.C. Blade
312 200 3
13.9x9.5x2xR8



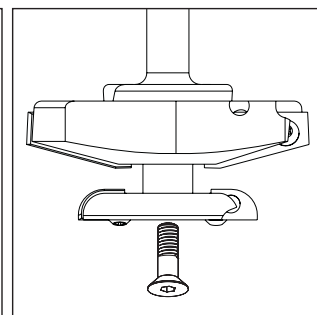
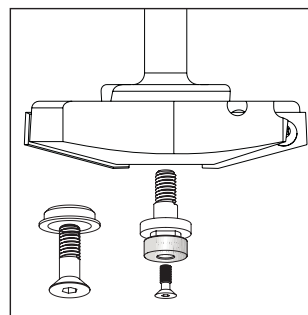
Ball Bearing set
190 870 0
12.7x4.7x5xM6



Torx screw
193 400 0
M3x4



Torx key
194 110 0
T-9



CNC



Grooving
& Sizing



Profiling &
Chamfering



Frame &
Panel door



Joining &
Rebating



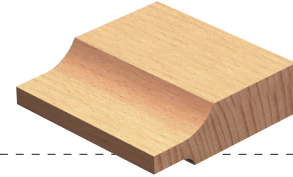
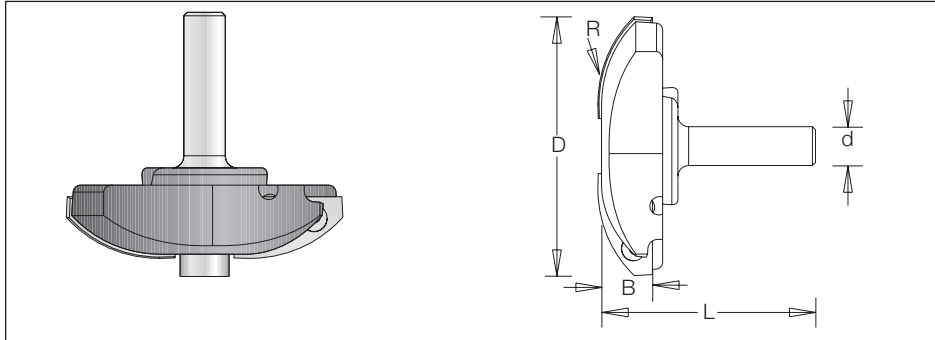
Carving



Clamping
Systems &
Adapters

Raised Panel Router Cutter

Disposable insert router with two cutting flutes, suitable for light CNC and manual routing applications. Includes an assembled ball bearing seat and an anti-dust plug. Can also be used on a CNC machine with a back cutter.



øD	R	Code No.	B	Z	L	ød	n
85.8	40	8223029	21.2	2	72	12	12,000

Spare Parts:



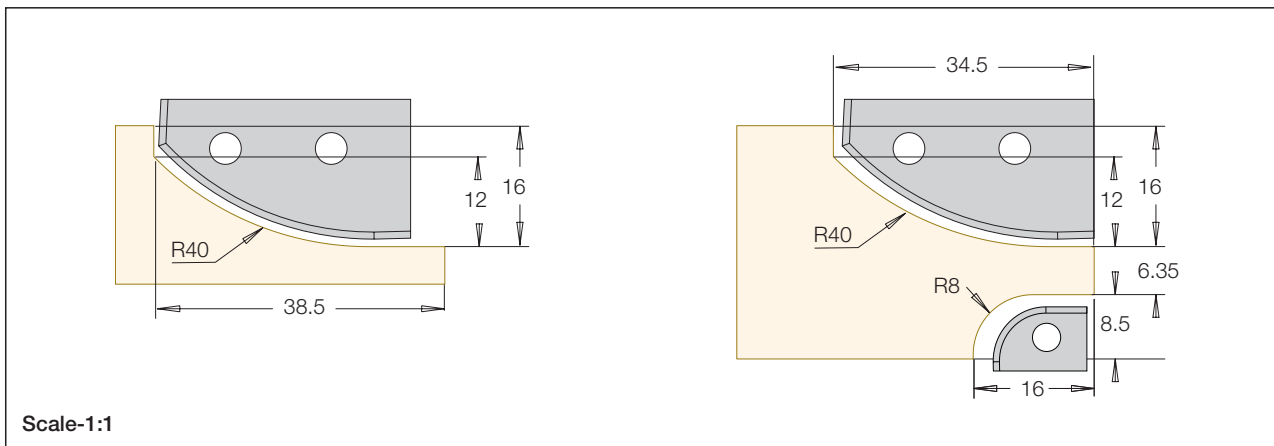
T.C. Blade
312 200 2
33.3x18.5x2



Torx screw
193 148 2
M4x5.6



Torx key
194 101 5
T-15



Back Cutter
822 501 0
54X26.7X1/2"



T.C. Blade
312 200 3
13.9x9.5x3xR8



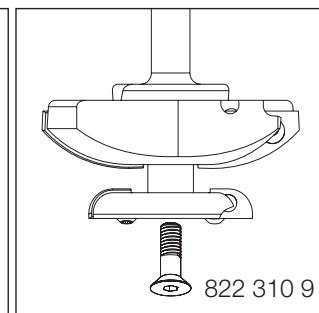
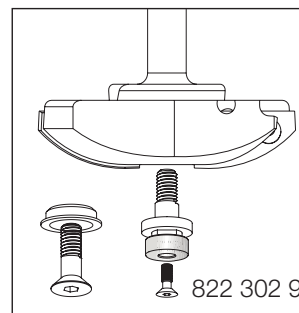
Ball Bearing set
190 870 0
12.7x4.7x5xM6



Torx screw
193 400 0
M3x4



Torx key
194 110 0
T-9



CNC



Grooving
& Sizing



Profiling &
Chamfering



Frame &
Panel door



Joining &
Rebating



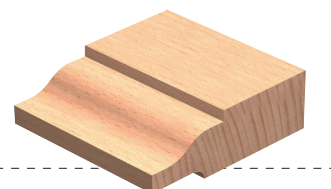
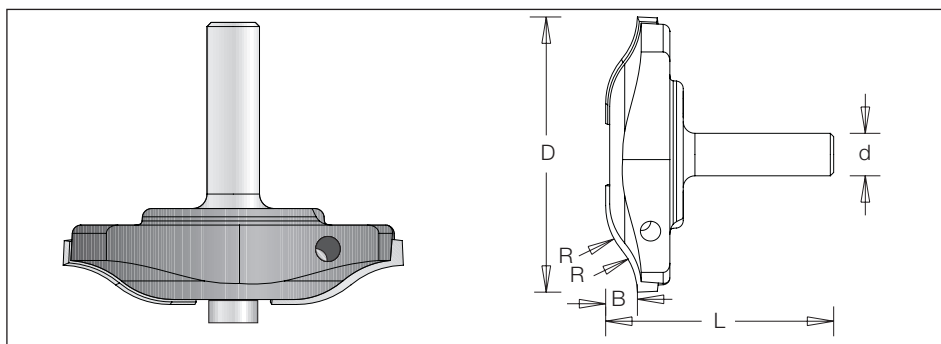
Carving



Clamping
Systems &
Adapters

Raised Panel Router Cutter

Disposable insert router with two cutting flutes, suitable for light CNC and manual routing applications. Includes an assembled ball bearing seat and an anti-dust plug. Can also be used on a CNC machine with a back cutter.



øD	R	Code No.	B	Z	L	ød	n
85.7	22	8223209	19.2	2	69	12	12,000

Spare Parts:



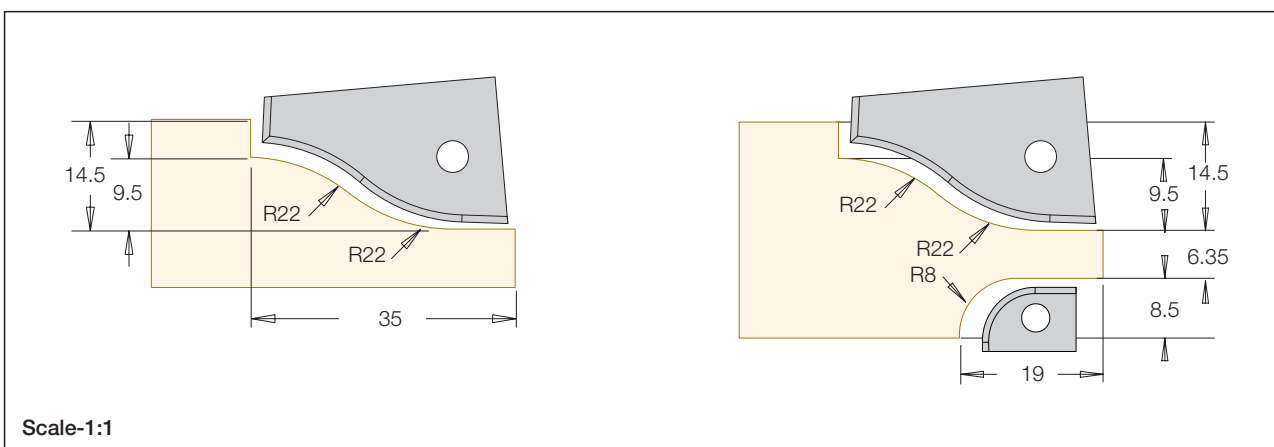
T.C. Blade
312 200 5
32x20x1.5



Torx screw
193 395 0
M4x6



Torx key
194 101 5
T-15



Back Cutter
822 501 0
54X26.7X1/2"



T.C. Blade
312 200 3
13.9x9.5x2



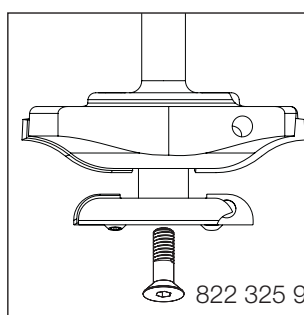
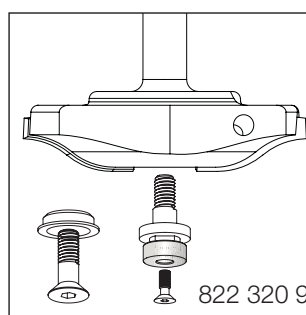
Ball Bearing set
190 870 0
12.7x4.7x5xM6



Torx screw
193 400 0
M3x4



Torx key
194 110 0
T-9



Grooving
& SizingProfiling &
ChamferingFrame &
Panel doorJoining &
Rebating

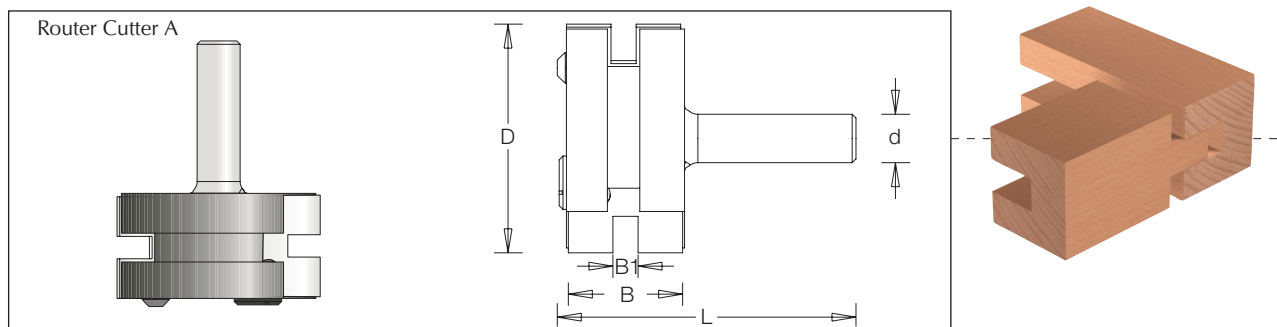
Carving

Clamping
Systems &
Adapters

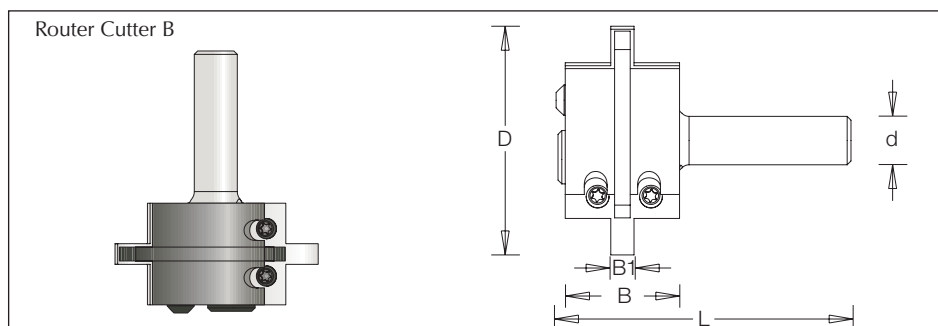
Tongue & Groove Router Cutter Set

Disposable insert router set with two cutting flutes on each router, suitable for light CNC and manual routing applications. Simplify the operation for making tongue & groove frames, includes fine adjusting option for best fitting results. Max wood thickness 30 mm.

	øD	B	B1	Code No.	L	ød	n
Set 1 complet	60.0	30.0	5.4-6.0	8450219	75.0	12	18,000
Set 2 complet	60.0	30.0	6.1-6.6	8451169	75.0	12	18,000



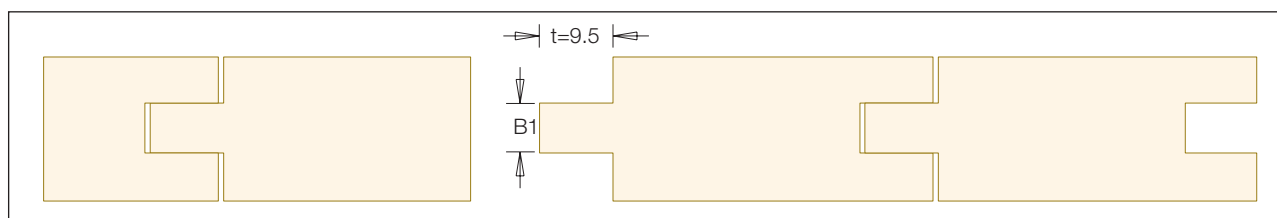
øD	B	B1	Code No.	Z	L	ød	n
60.0	30.0	5.4-6.0	8450199	2	75.0	12	18,000
60.0	30.0	6.1-6.6	8450069	2	75.0	12	18,000



øD	B	B1	Code No.	Z	L	ød	n
60.0	30.0	5.4-6.0	8450209	2	75.0	12	18,000
60.0	30.0	6.0-6.6	8450169	2	75.0	12	18,000

Spare parts:

	T.C. Blade A	T.C. Blade B	Torx screw	Torx screw	Stopper screw	Allen key	Torx key
B1=6-6.6	#314 500 5 30x22x2	#314 501 5 30x22x2	#193 355 9 3.5x8	#193 148 1 M4x5.6	#193 072 0 M6x12.5	#194 020 0 S2	194 101 5 T - 15
B1=5.4-6	#314 501 8 30x22x2	#314 501 9 30x22x2					



CNC



Grooving
& Sizing



Profiling &
Chamfering



Frame &
Panel door



Jointing &
Rebating



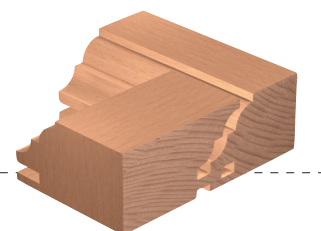
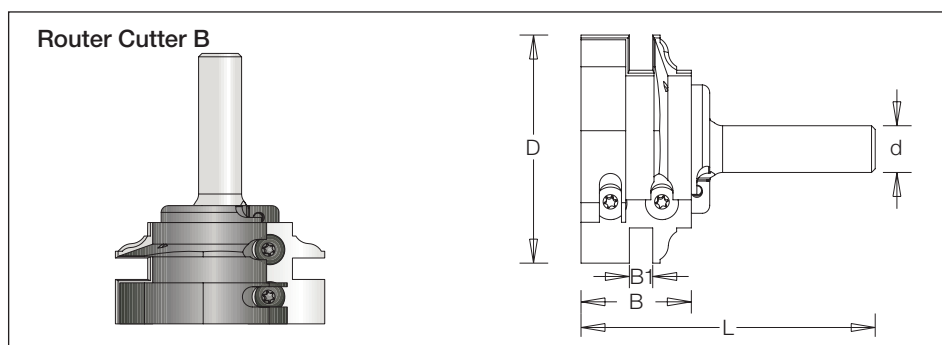
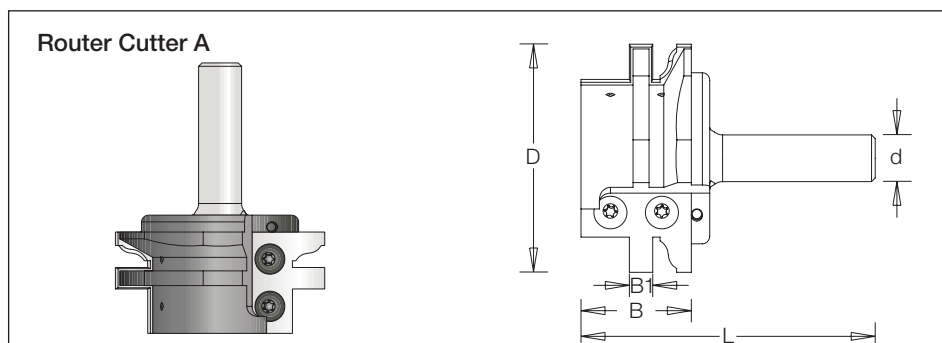
Carving



Clamping
Systems &
Adapters

Tongue & Groove Classic Router Cutter Set

Disposable insert router set with two cutting flutes on each router, suitable for light CNC and manual routing applications. Best fitting results and simplify the operation for making tongue & groove frames, no adjusting is required, Max wood thickness 30 mm.



CNC

Set 1

	øD	B	B1	Code No.	Z	L	ød	n
Complete	62	30	6.35	8451149	2+2	75	12	18,000
Router Cutter A	62	30	6.35	8450149	2	75	12	18,000
Router Cutter B	62	30	6.35	8450049	2	75	12	18,000

Spare parts:



T.C. Blade A

#314 501 4
30x23x2



T.C. Blade B

#314 500 4
30x23x2



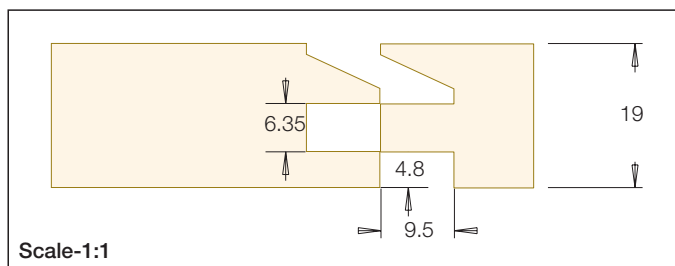
Torx screw

#193 395 0
M4x6



Torx key

194 101 5
T - 15



Grooving
& SizingProfiling &
ChamferingFrame &
Panel doorJoining &
Rebating

Carving

Clamping
Systems &
Adapters

Tongue & Groove Classic Router Cutter Set

Set 2

	øD	B	B1	Code No.	L	ød	n
Complete	62.0	30.0	6.35	8451119	75.0	12	18,000
Router Cutter A	62.0	30.0	6.35	8450119	75.0	12	18,000
Router Cutter B	62.0	30.0	6.35	8450019	75.0	12	18,000

Spare parts:



T.C. Blade A

#314 501 3
30x23x2

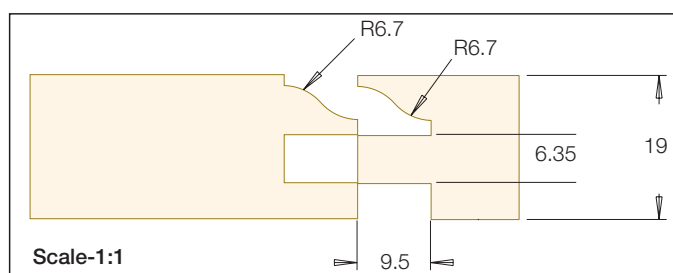
T.C. Blade B

#314 500 3
30x23x2

Torx screw

#193 395 0
M4x6

Torx key

194 101 5
T - 15

Set 3

	øD	B	B1	Code No.	L	ød	n
Complete	62.0	30.0	6.35	8451119	75.0	12	18,000
Router Cutter A	62.0	30.0	6.35	8450119	75.0	12	18,000
Router Cutter B	62.0	30.0	6.35	8450019	75.0	12	18,000

Spare parts:



T.C. Blade A

#314 501 1
30x23x2

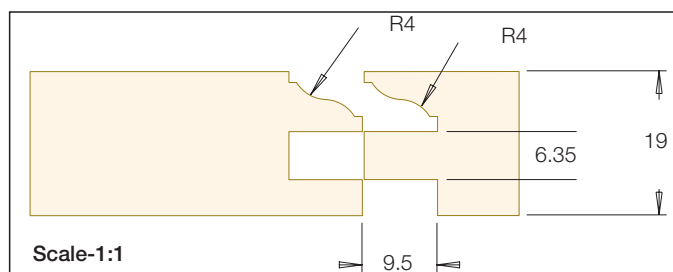
T.C. Blade B

#314 500 1
30x23x2

Torx screw

#193 395 0
M4x6

Torx key

194 101 5
T - 15

Set 4

	øD	B	B1	Code No.	L	ød	n
Complete	62.0	30.0	6.35	8451129	75.0	12	18,000
Router Cutter A	62.0	30.0	6.35	8450129	75.0	12	18,000
Router Cutter B	62.0	30.0	6.35	8450029	75.0	12	18,000

Spare parts:



T.C. Blade A

#314 501 2
30x23x2

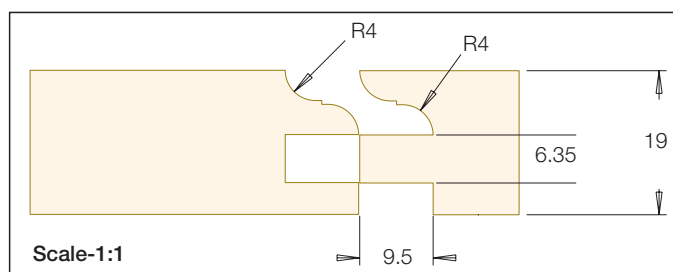
T.C. Blade B

#314 500 2
30x23x2

Torx screw

#193 395 0
M4x6

Torx key

194 101 5
T - 15

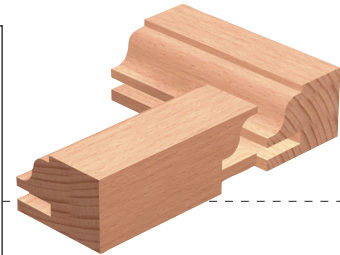
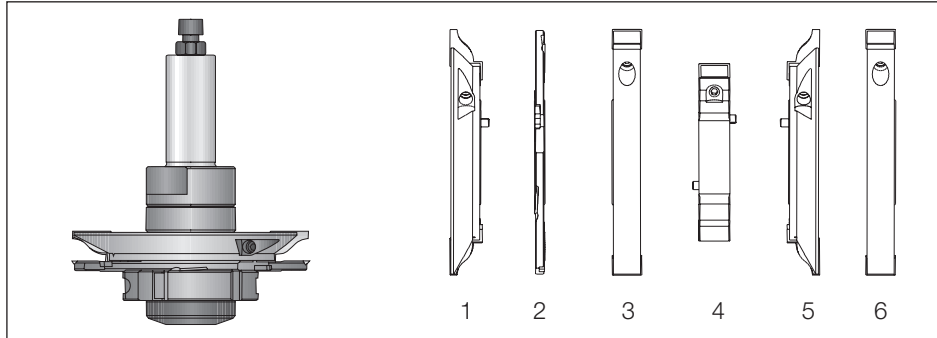
Grooving
& Sizing
Profiling &
Chamfering
Frame &
Panel door
Joining &
Rebating


Carving

Clamping
Systems &
Adapters

Counter - Profile CNC Router Set

Disposable insert router cutter set complete with a maximum of six 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. Max wood thickness 34 mm. Set No. 3 was made in order to let the user work with both required assemblies at the same time without turning over the wood piece



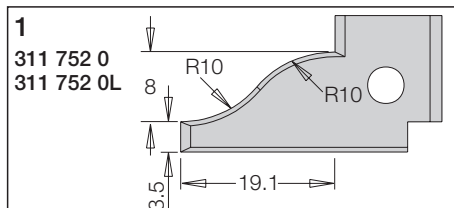
CNC

Set.No.	øD	Code No.	Cutters	B	Wood Sample Type	L	d	n
Set 1	120	842031H	1,2,3,4	20-35	1, 2	135	25	12,000
Set 2	120	842036H	1,2,3,4,5	20-35	1, 2, 3	125	25	12,000
set 3	120	842061H	1,2,3,2*4,5,6	20-35	1,3,4	125	25	12,000



Also available with HSK or ISO adapters.

øD	B	Code No.	Cutter No.	Profile	z	ød
120	16.0	8421113	1	1	2	20
120	5.0	8420123	2		4	20
120	15.0	8420133	3		2	20
88	15.0	8420143	4		2	20
120	16.0	8421153	5	1	2	20
120	15.0	8420163	6		2	20

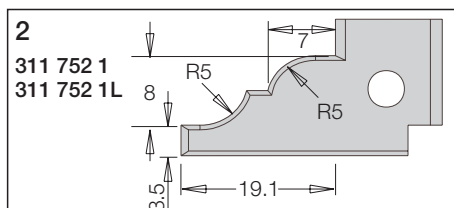


Set.No.	øD	Code No.	Cutters	B	Wood Sample Type	L	d	n
Set 1	120.0	842032H	1,2,3,4	20-35	1, 2	135.0	25.0	12,000
Set 2	120.0	842037H	1,2,3,4,5	20-35	1, 2, 3	125.0	25.0	12,000
set 3	120.0	842062H	1,2,3,2*4,5,6	20-35	1,3,4	125.0	25.0	12,000



Also available with HSK or ISO adapters.

øD	B	Code No.	Cutter No.	Profile	z	ød
120	16	8422113	1	2	2	20
120	5	8420123	2		4	20
120	15	8420133	3		2	20
88	15	8420143	4		2	20
120	16	8422153	5	2	2	20
120	15	8420163	6		2	20

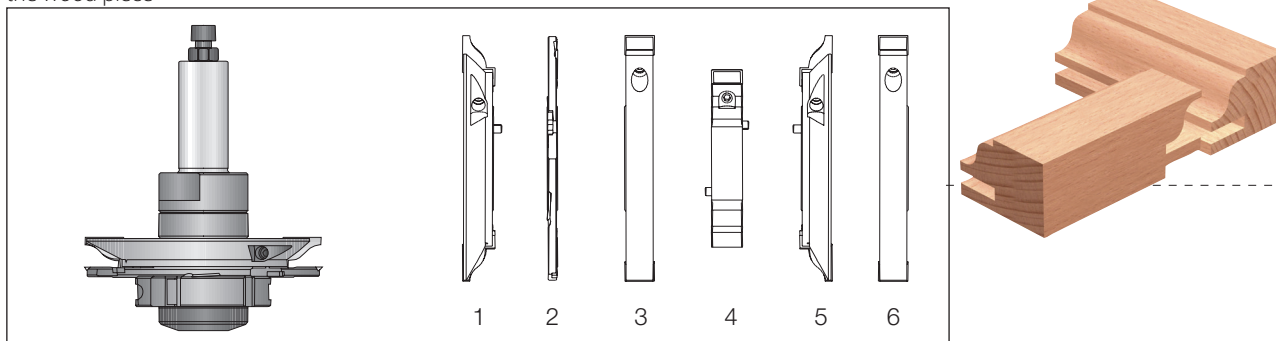




Counter - Profile CNC Router Set

Disposable insert router cutter set complete with a maximum of six 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. Max wood thickness 34 mm.

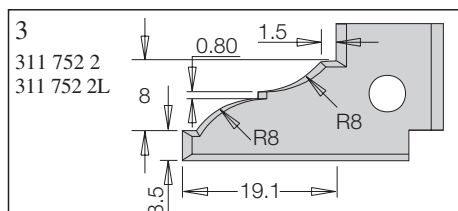
Set No. 3 was made in order to let the user work with both required assemblies at the same time without turning over the wood piece



Set.No.	øD	Code No.	Cutters	B	Wood Sample Type	L	d	n
Set 1	120	842033H	1,2,3,4	20-35	1, 2	135	25	12,000
Set 2	120	842038H	1,2,3,4,5	20-35	1, 2, 3	125	25	12,000
set 3	120	842063H	1,2,3,2*4,5,6	20-35	1,3,4	125	25	12,000

⚠ Also available with HSK or ISO adapters.

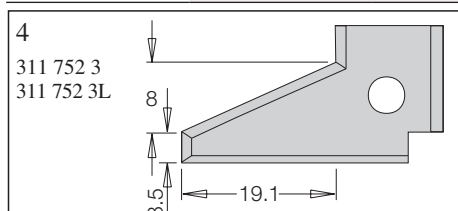
øD	B	Code No.	Cutter No.	Profile	z	ød
120	16	8423113	1	3	2	20
120	5	8420123	2		4	20
120	15	8420133	3		2	20
88	15	8420143	4		2	20
120	16	8423153	5	3	2	20
120	15	8420163	6		2	20



Set.No.	øD	Code No.	Cutters	B	Wood Sample Type	L	d	n
Set 1	120	842034H	1,2,3,4	20-35	1, 2	135	25	12,000
Set 2	120	842039H	1,2,3,4,5	20-35	1, 2, 3	125	25	12,000
set 3	120	842064H	1,2,3,2*4,5,6	20-35	1,3,4	125	25	12,000

⚠ Also available with HSK or ISO adapters.

øD	B	Code No.	Cutter No.	Profile	z	ød
120	16	8424113	1	4	2	20
120	5	8420123	2		4	20
120	15	8420133	3		2	20
88.0	15	8420143	4		2.0	20.0
120.0	16	8424153	5	4	2.0	20.0
120.0	15	8420163	6		2.0	20.0

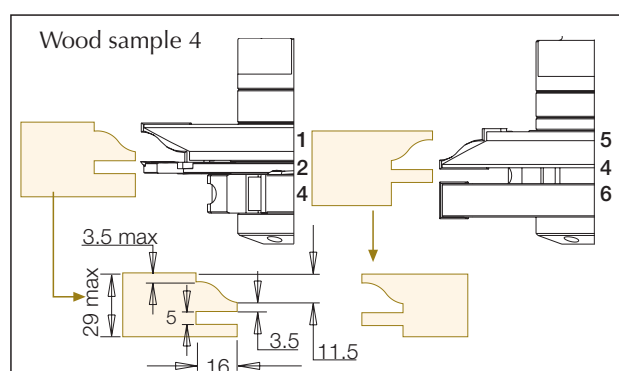
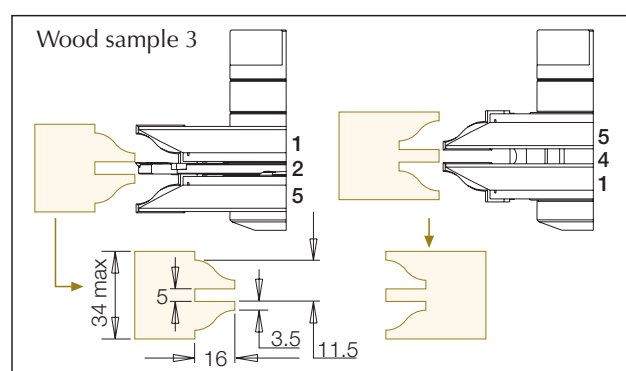
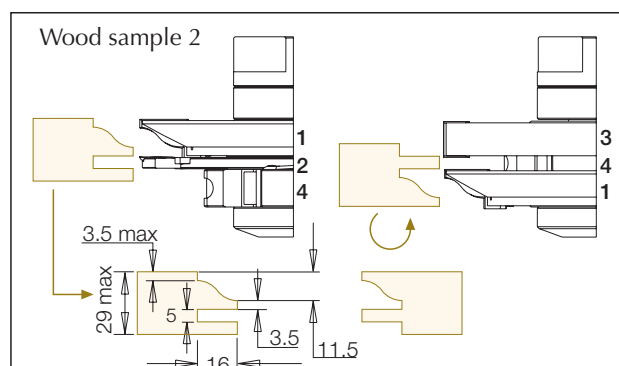
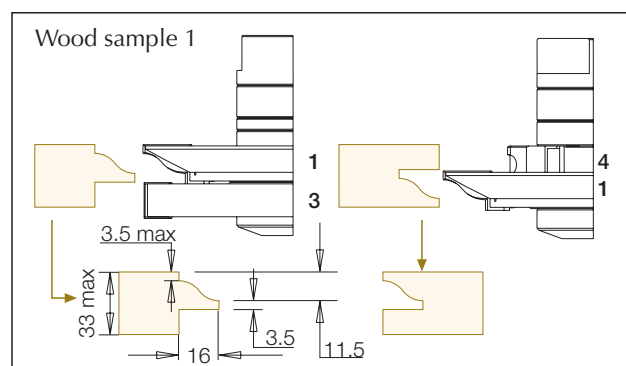


Grooving
& SizingProfiling &
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Rebating

Carving

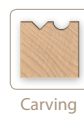
Clamping
Systems &
Adapters

Counter - Profile CNC Router Set

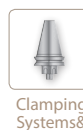


Spare Parts:

								
	Arbor	Spacer	Spacer	Spacer	Cover	Arbor screw	Stopper screw	Allen key
	#190 820 H	#196 360 0	#196 365 0	#196 370 0	#199 720 3	#193 608 0	#193 042 0	#194 015 0
	L=127	5x45	10x45	13x45	12x45	M5x20	M8x16	S4
Cutter 1								
	T.C. Blade Profile 1	T.C. Blade Profile 2	T.C. Blade Profile 3	T.C. Blade Profile 4	Wedge	Allen screw	Torx screw	Allen key
	#311 752 0	#311 752 1	#311 752 2	#311 752 3	#199 032 6	#193 026 5	#193 148 2	#1940035
	15.7x30x2	15.7x30x2	15.7x30x2	15.7x30x2	L=14	M6x16	M8x5.6	S3
Cutter 2								
	T.C. Blade	T.C. Blade	T.C. Blade nut	T.C. Blade nut	Torx screw	Torx key		
	#300 850 4	#300 850 2	#192 360 0	#192 350 0	#193 030 0	#194 110 0		
	18x18x2.5	14x14x1.2	M4*0.5D=9.9	M4*0.5D=11.9	M4x4	T9		
Cutter 3								
	T.C. Blade	Wedge	Allen screw	Allen key				
	#311 451 2	#199 038 5	#193 026 5	#194 003 5				
	14.3x12x1.5	L=13.5	M6x16	S3				
Cutter 4								
	T.C. Blade	Wedge	Allen screw	Allen key				
	#300 052 7	#199 038 5	#193 026 5	#194 003 5				
	15x12x1.5	L=13.5	M6x16	S3				
Cutter 5								
	T.C. Blade	T.C. Blade	T.C. Blade	T.C. Blade	Wedge	Allen screw	Torx screw	Allen key
	#311 752 0 L	#311 752 1 L	#311 752 2 L	#311 752 3 L	#199 032 6	#193 026 5	#193 148 2	#1940035
	15.7x30x2	15.7x30x2	15.7x30x2	15.7x30x2	L=14	M6x16	M4x5.6	S3

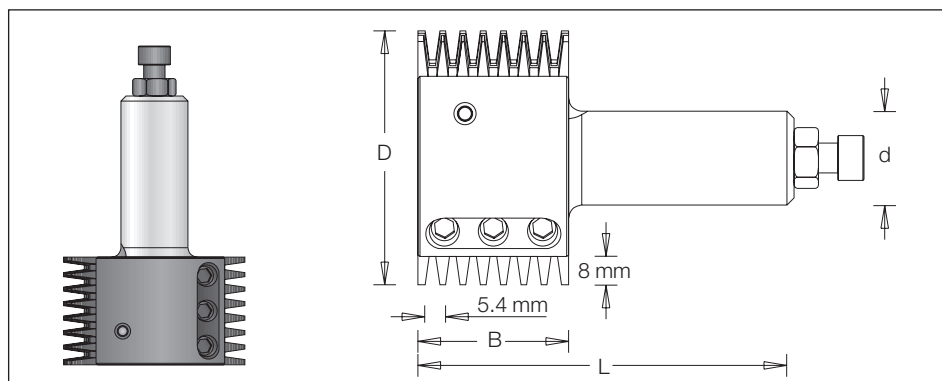
Grooving
& SizingProfiling &
ChamferingFrame &
Panel doorJointing &
Rebating

Carving

Clamping
Systems &
Adapters

Finger Joint Router Cutter

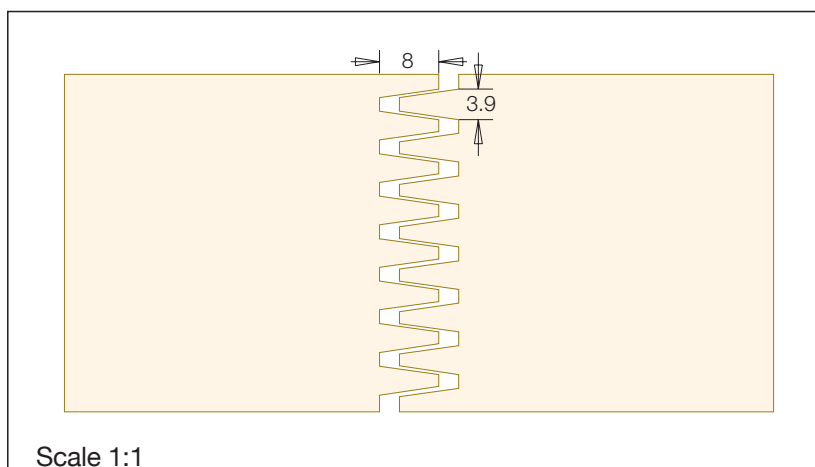
Disposable insert finger jointing router cutter complete with two cutting flutes. Suitable for producing finger joints in softwoods, hardwoods and man-made boards. For use on routers and machining centres with CNC control.



øD	Code No.	B	Z	L	ød	n
70	8560110	40	2	100	25	12,000

⚠ Also available with 20 mm diameter shank.

Spare Parts:

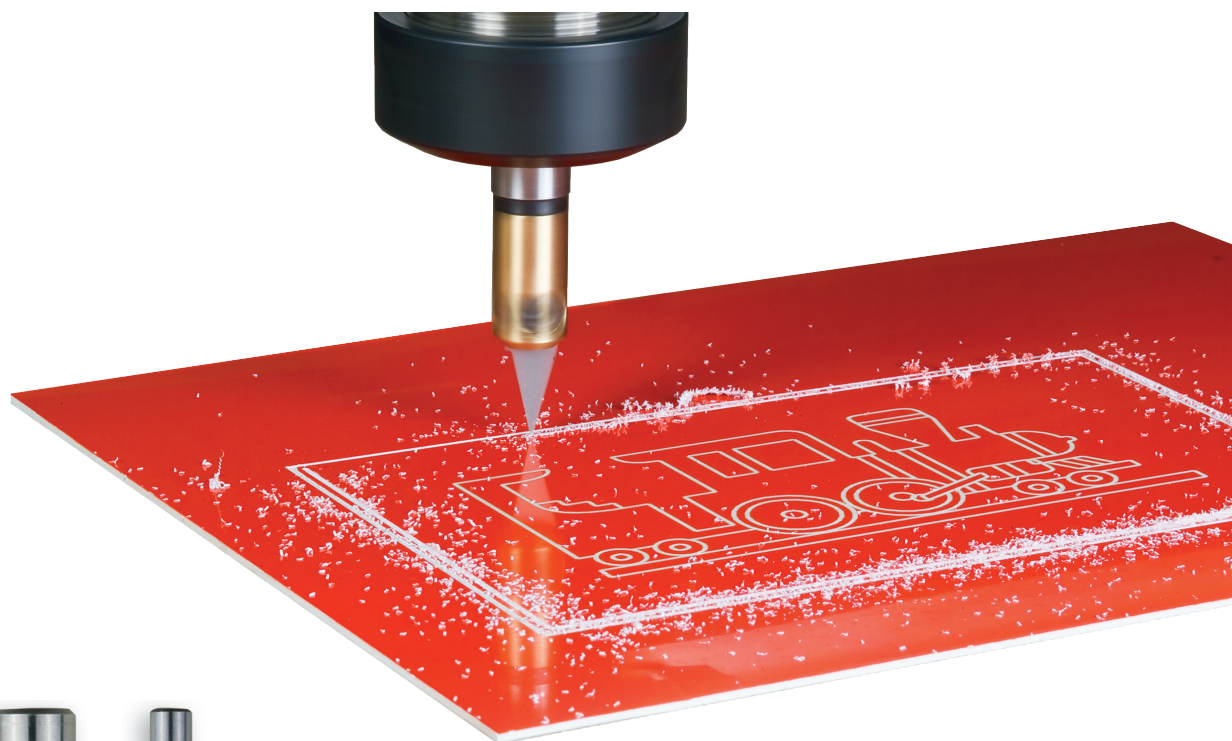
T.C. Blade
315 650 2
40x28x1.5Supporting plate
199 110 1
40x22.5x4Allen screw
193 040 0
M8x10Wedge
199 022 0
40x13.5x8Allen key
194 015 0
S-4

Grooving
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ChamferingFrame &
Panel doorJointing &
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ENGRAVING SYSTEM

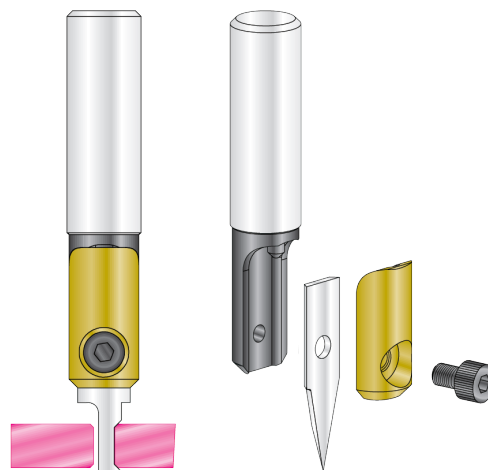
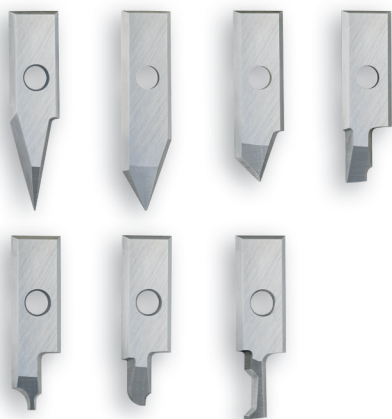


The Engraving Insert System features one tool body with forty unique insert knives designed for a variety of applications including Straight cut, core box, round corner, V grooves and cutting & chamfering. Industrial quality insert knives ensure clean cuts and a longer life time than the standard solid router bits.

This engraving system was engineered to quickly interchange inserts while mounted in CNC machines to eliminate setup-time and to maintain consistent cutting accuracy.

Balanced design to minimize vibration and to provide superior cutting results.

Ideal for cutting laminated materials, veneers, MDF, plastics, wood and solid surfaces.

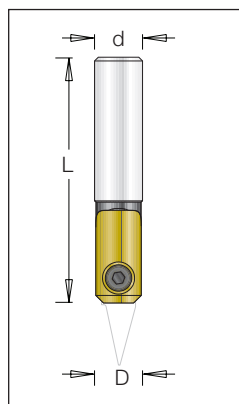


Grooving
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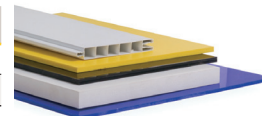
Engraving system



Code No.	D	L	ød
G1853x05*	12	65	8
G1853x09*	12	65	12

Also available with 1/4 & 1/2 diameter shank.

*Body only.

Allen screw
#193 807 0
M4x6Allen key
#194 003 0
S3V-Groove 30°
Engraving
Insert Knives

Code No.	D
* 3185005	0.12
* 3185006	0.24
3185007	0.5
3185008	0.75
3185009	1.0
3185010	1.5
3185011	2.25

V-Groove 60°
Engraving
Insert Knives

Code No.	D
* 3185018	0.12
* 3185019	0.25
3185020	0.5
3185021	0.75
3185022	1.0
3185023	1.5
3185024	2.25

V-Groove 90°
Engraving
Insert Knives

Code No.	D
3185014	0.12
3185015	0.24
3185016	0.5
3185017	1

Straight
Engraving
Insert Knives

Code No.	D	B
3185032	3.2	5
3185033	4.76	6
3185034	6.35	7
3185035	7.94	8

*Only for use with controllable feed rate machines.

Core box
Engraving
Insert Knives

Code No.	R	B
3185028	1.6	5
3185029	2.4	6
3185030	3.2	7
3185031	4.0	8

Cornerround
Engraving
Insert Knives

Code No.	R	B
3185025	1.6	8
3185026	2.4	8
3185027	3.2	8

Cutting and chmfering
Engraving
Insert Knives

Code No.	B
3185040	0.5
3185036	1.0
3185002	1.5
3185037	1.8
3185041	2.3
3185042	3.3
3185012	3.6

Code No.	B
3185043	4.3
3185013	4.6
* 3185003	5
* 3185044	5.5
* 3185038	6.3
* 3185039	8.3

* Only for Chamfer
operation.

Grooving
& SizingProfiling &
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Carving

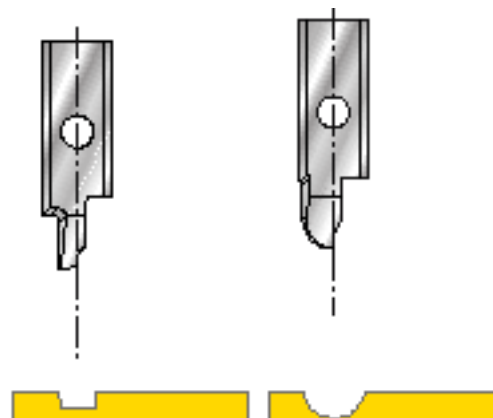
Clamping
Systems &
Adapters

Engraving system

Engraving system feed rates.

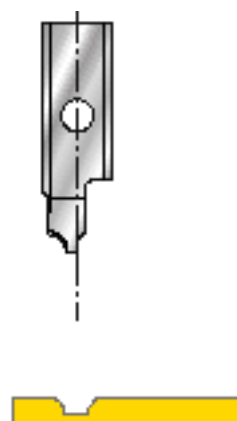
Straight and core box max feed Vars. RPM (cutting depth 1D) mm/min

head diameter (mm)	3.2	4.76	6.35	7.93
rotation speed (RPM)	Recomended feed rate (mm/min)			
6000	600	780	900	1080
7000	700	910	1050	1260
8000	800	1040	1200	1440
9000	900	1170	1350	1620
10000	1000	1300	1500	1800
11000	1100	1430	1650	1980
12000	1200	1560	1800	2160
13000	1300	1690	1950	2340
14000	1400	1820	2100	2520
15000	1500	1950	2250	2700
16000	1600	2080	2400	2880
17000	1700	2210	2550	3060
18000	1800	2340	2700	3240
19000	1900	2470	2850	3420
20000	2000	2600	3000	3600
21000	2100	2730	3150	3780
22000	2200	2860	3300	3960
23000	2300	2990	3450	4140
24000	2400	3120	3600	4320
25000	2500	3250	3750	4500
26000	2600	3380	3900	4680
27000	2700	3510	4050	4860
28000	2800	3640	4200	5040



Round corner reccomended feed Vars. RPM mm/min

Knife radius (mm)	1.6	2.4	3.2
rotation speed (RPM)	Recomended feed rate (mm/min)		
6000	1500	1320	1200
7000	1750	1540	1400
8000	2000	1760	1600
9000	2250	1980	1800
10000	2500	2200	2000
11000	2750	2420	2200
12000	3000	2640	2400
13000	3250	2860	2600
14000	3500	3080	2800
15000	3750	3300	3000
16000	4000	3520	3200
17000	4250	3740	3400
18000	4500	3960	3600
19000	4750	4180	3800
20000	5000	4400	4000
21000	5250	4620	4200
22000	5500	4840	4400
23000	5750	5060	4600
24000	6000	5280	4800
25000	6250	5500	5000
26000	6500	5720	5200
27000	6750	5940	5400
28000	7000	6160	5600



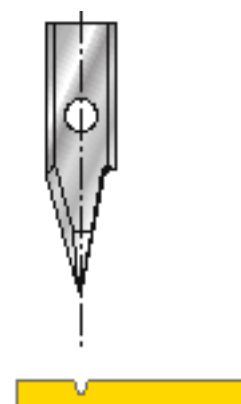


Engraving system

Engraving system feed rates.

V-groove Routing recommended max feed vars. RPM (inch/min)

head diameter (D) mm	0.1	0.25	0.5	0.75	1	1.5	2.25
rotation speed (RPM)	Max. feed rate mm/min						
6000	480	1200	2400	3600	NO LIMIT		
7000	560	1400	2800				
8000	640	1600	3200				
9000	720	1800	3600				
10000	800	2000	4000				
11000	880	2200					
12000	960	2400					
13000	1040	2600					
14000	1120	2800					
15000	1200	3000					
16000	1280	3200					
17000	1360	3400					
18000	1440	3600					
19000	1520	3800					
20000	1600						
21000	1680						
22000	1760						
23000							
24000	1920						
25000	2000						
26000	2080						
27000	2160						
28000	2240						



Grooving
& SizingProfiling &
ChamferingFrame &
Panel doorJointing &
Rebating

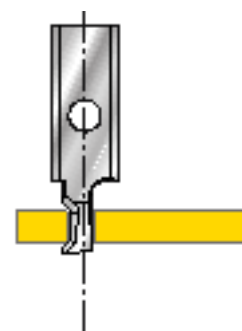
Carving

Clamping
Systems &
Adapters

Engraving system

Sizing and chamfering recommended feed Vars. RPM mm/min

Material thickness (mm)	2	3	4.6	5.6	6	7.2	8
rotation speed (RPM)	Recommended feed rate (mm/min)						
6000	1500	1320	1200	1080	1500	1320	1200
7000	1750	1540	1400	1260	1750	1540	1400
8000	2000	1760	1600	1440	2000	1760	1600
9000	2250	1980	1800	1620	2250	1980	1800
10000	2500	2200	2000	1800	2500	2200	2000
11000	2750	2420	2200	1980	2750	2420	2200
12000	3000	2640	2400	2160	3000	2640	2400
13000	3250	2860	2600	2340	3250	2860	2600
14000	3500	3080	2800	2520	3500	3080	2800
15000	3750	3300	3000	2700	3750	3300	3000
16000	4000	3520	3200	2880	4000	3520	3200
17000	4250	3740	3400	3060	4250	3740	3400
18000	4500	3960	3600	3240	4500	3960	3600
19000	4750	4180	3800	3420	4750	4180	3800
20000	5000	4400	4000	3600	5000	4400	4000
21000	5250	4620	4200	3780	5250	4620	4200
22000	5500	4840	4400	3960	5500	4840	4400
23000	5750	5060	4600	4140	5750	5060	4600
24000	6000	5280	4800	4320	6000	5280	4800
25000	6250	5500	5000	4500	6250	5500	5000
26000	6500	5720	5200	4680	6500	5720	5200
27000	6750	5940	5400	4860	6750	5940	5400
28000	7000	6160	5600	5040	7000	6160	5600





Grooving
& Sizing



Profiling &
Chamfering



Frame &
Panel door



Joining &
Rebating

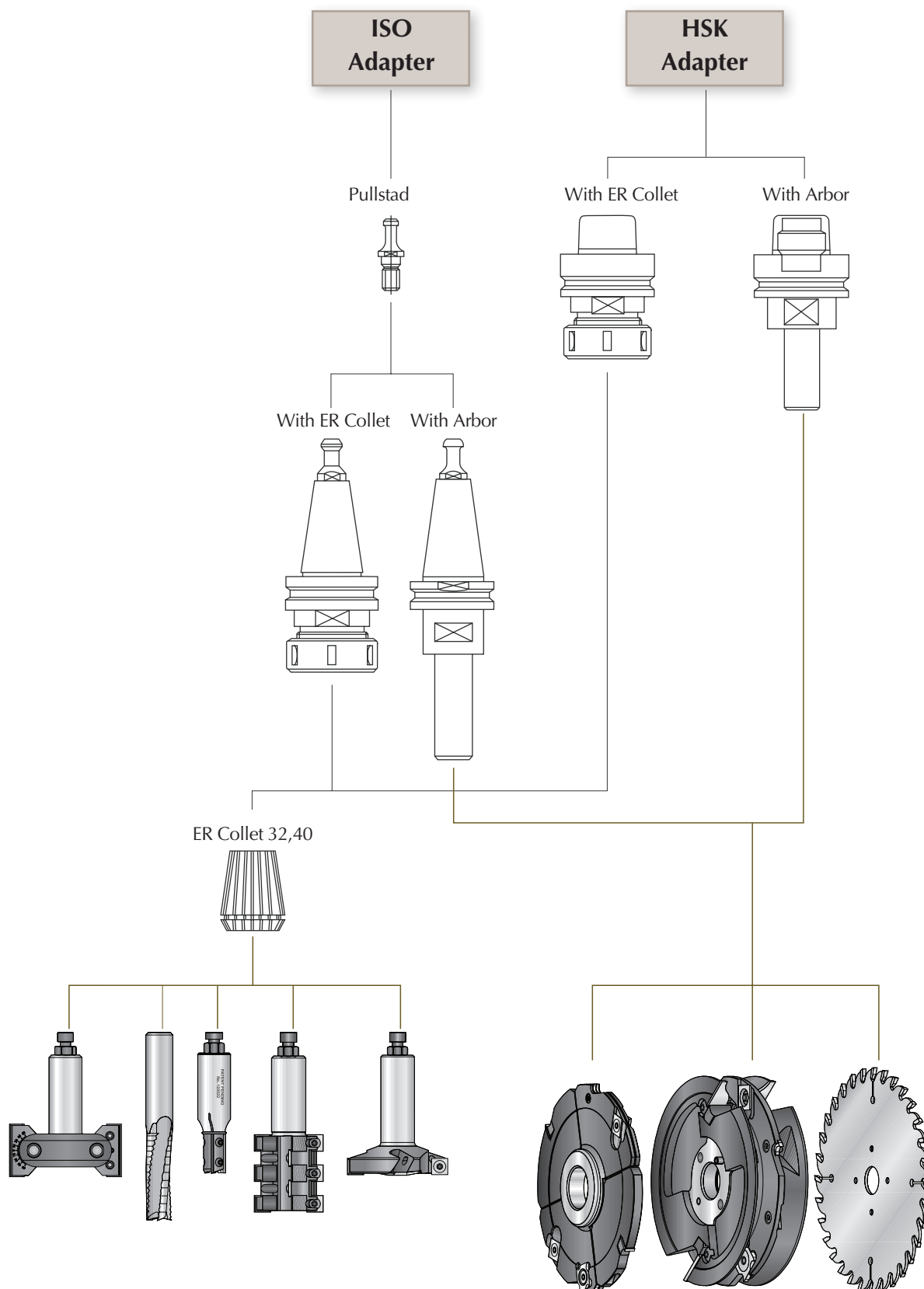


Carving



Clamping
Systems &
Adapters

Tool holder for CNC machine

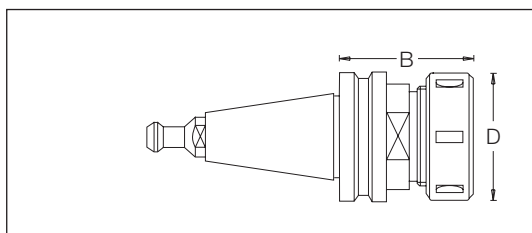


Grooving
& SizingProfiling &
ChamferingFrame &
Panel doorJointing &
Rebating

Carving

Clamping
Systems &
Adapters

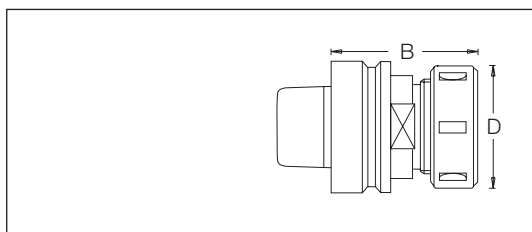
Tool holder for CNC machine



Iso Tool holders not include pullstud

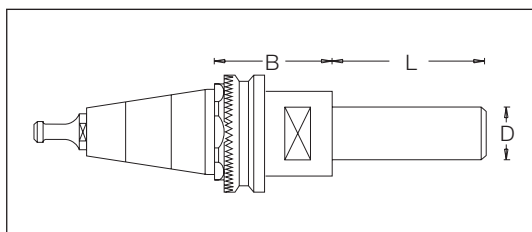
ISO Tool Holder

Code No.	Adapter standard	øD	B	ød
641011	ISO 30	50	42	ER32
641012	ISO 30	63	55	ER40
641021	ISO 40	50	63	ER32
641019	ISO 40	63	73	ER40



HSK Tool Holder

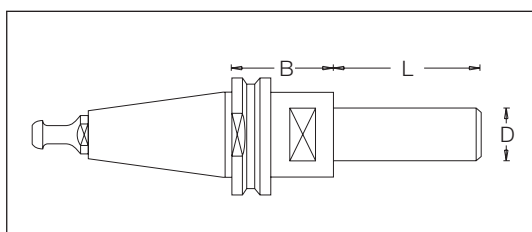
Code No.	Adapter standard	øD	B	ød
641031	HSK63	50	76	ER32
641030	HSK63	63	76	ER40



Iso Tool holders not include pullstud

ISO30 Tool Holder with Arbor for Morbidelli Machines

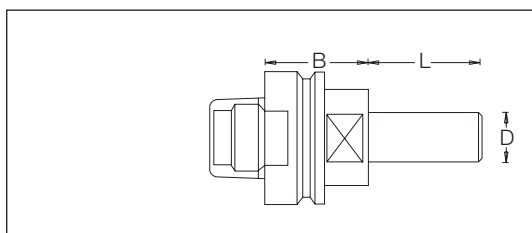
Code No.	Adapter standard	øD	B	L
643011	ISO 30	30	35	70
643012	ISO 30	30	35	100



Iso Tool holders not include pullstud

ISO Tool Holder with Arbor

Code No.	Adapter standard	øD	B	L
643020	ISO 30	30	35	70
643021	ISO 30	30	35	100



HSK Tool Holder with An Arbor

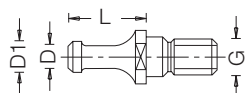
Code No.	Adapter standard	øD	B	L
643001	HSK63	30	33	55
643002	HSK63	30	33	100

Grooving
& SizingProfiling &
ChamferingFrame &
Panel doorJoining &
Rebating

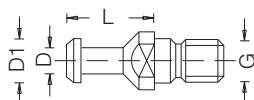
Carving

Clamping
Systems &
Adapters

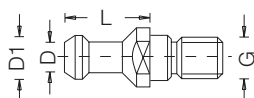
Tool holder for CNC machine



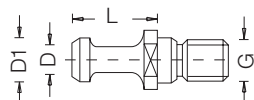
For machines	Adapter	Code No.	øD1	øD	L	G
Morbidelli, SCM	ISO 30	650010	8.5	6.5	22	M10



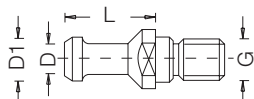
Busellato, Weeke, Bulleri	ISO 30	650011	13	9	24	M12
Cosmec, Reichenbacher	ISO 40	650020	19	14	26	M16



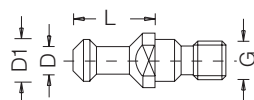
Alberti, Vitap, Masterwood	ISO 30	650013	13	9	24	M12
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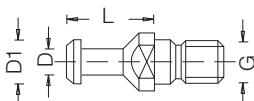
Esseteam	ISO 30	650014	12	8	24	M12
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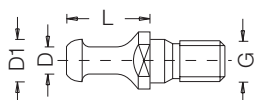
CMS	ISO 30	650015	12.8	9	24	M12
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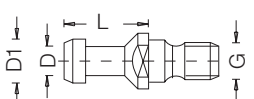
Belotti	ISO 30	650016	13	9	23	M12
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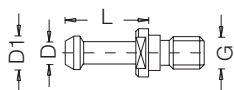
Cosmec, Reichenbacher	ISO 40	650020	19	14	26	M16
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Biesse	ISO 30	650017	13	9	24	M12
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Biesse Masterwood	ISO 30	650018	12	8	24	M12
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Shoda (BT30-BT40), Heian (BT35)	BT 30	650031	11	7	23	M12
	BT 35	650040	13	8.5	28	M12
	BT 40	650050	15	10	35	M16



Grooving
& Sizing



Profiling &
Chamfering



Frame &
Panel door



Jointing &
Rebating

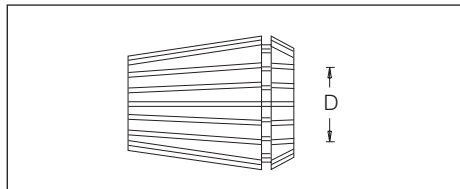


Carving



Clamping
Systems &
Adapters

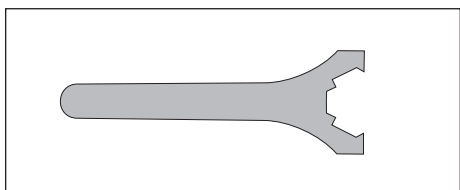
Collets for ER32 Nut



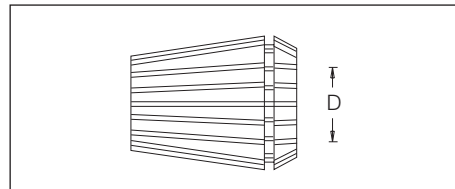
øD	Code No.
2-3	615040
3-4	615041
4-5	615042
5-6	615043
6-7	615044
7-8	615012
8-9	615046
9-10	615010
10-11	615048
11-12	615049
12-13	615009
13-14	615051
14-15	615008
15-16	615053
16-17	615054
17-18	615055
18-19	615056
19-20	615011
Complete set for ER 32 collets	615090

Key

	Code. No.
For ER32 nut	631004
For ER40 nut	631003



Collets for ER40 Nut



øD	Code No.
3-4	615060
4-5	615061
5-6	615062
6-7	615063
7-8	615064
8-9	615065
9-10	615007
10-11	615031
11-12	615032
12-13	615006
13-14	615070
14-15	615005
15-16	615030
16-17	615073
17-18	615074
18-19	615004
19-20	615003
20-21	615077
21-22	615078
22-23	615079
23-24	615080
24-25	615002
25-26	615001
Complete set for ER40 collets	615091