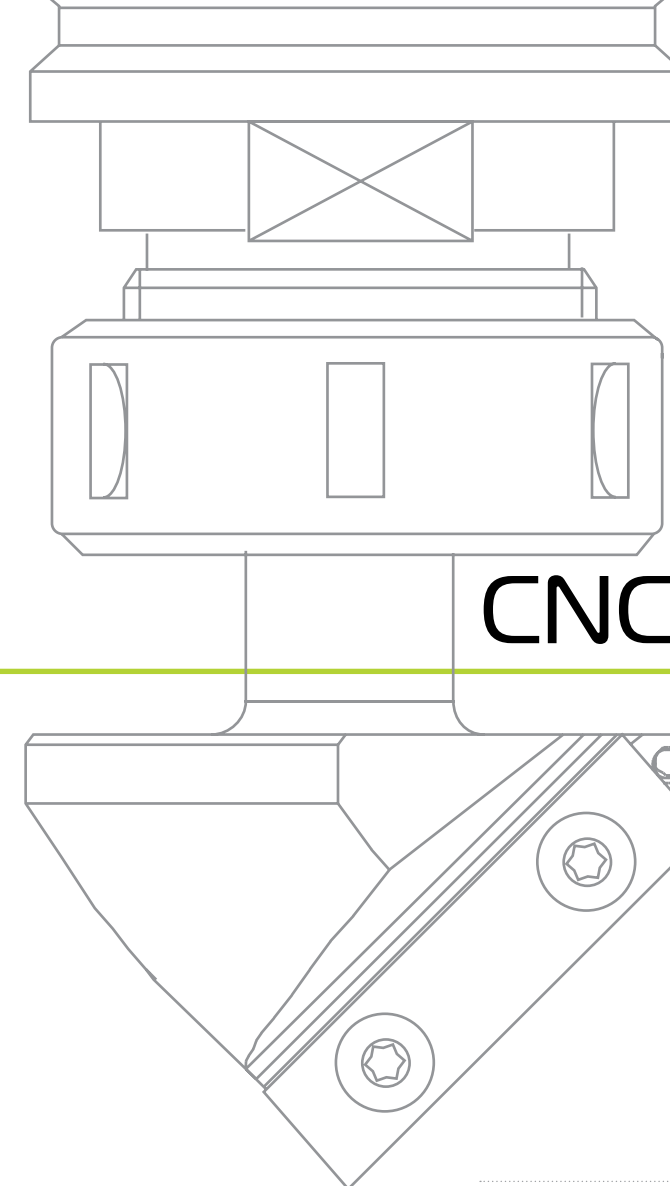



For decades, Dimar has been at the forefront of growing industry demands for top-quality CNC cutting tools for wood, man-made board, plastics and advanced materials. Fully automated precision machinery, dedicated quality control equipment and the use of only the highest quality raw materials, has allowed Dimar to offer a world-class selection of superior cutting tool options for CNC operations; from the basic to the most advanced. Our technical know-how and ongoing research and development has resulted in the continuous introduction of new and innovative solutions.

Featured New Tools for CNC Applications

- **DnamicX2 - The Ultimate in Router Bits:** New generation long-lasting straight router bits specially engineered for increased tool life. For CNC operation on man-made wood board, plastic, solid surfaces, hard wood and soft wood.
- **Spoilboard Surfacing Router:** Three family groups available for planing, solid wood and man-made board, and spoilboard surfacing operations.
- **Round Over Point Cutter:** Adaptable design features replaceable knives and same tool height with different radii. For MDF door frame and carving on CNC machines.
- **Small Adjustable Chamfer Cutter:** Designed for smaller CNC machines working in smaller sizes in all types of wood.
- **Diamond Tools (PCD):** A selection of quality PCD tools for CNC operations. High durability, long-life cutting quality and reliability. on man-made wood board, plastic, solid surfaces, hard and soft wood.



CNC INDEX

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Grooving & Sizing



Profiling & Chamfering



Door Frame & Panel







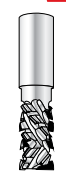


Jointing & Rebating



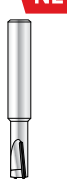
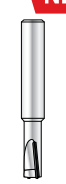

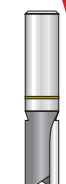
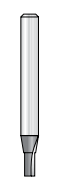


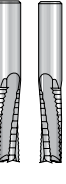
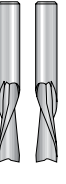
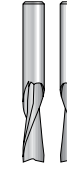




Carving

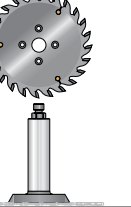
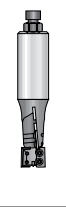
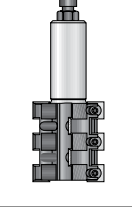
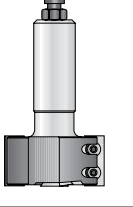
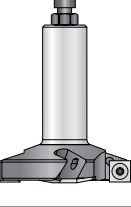
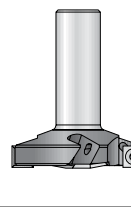


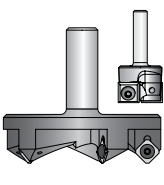
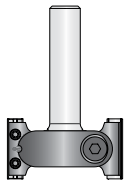
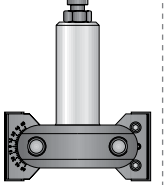
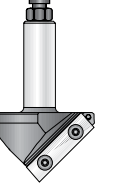
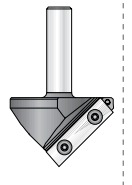
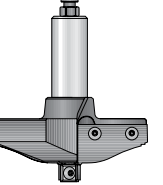
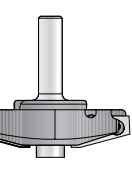
Clamping Systems & Adapters

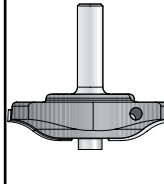


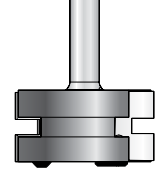
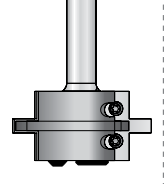
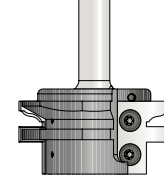
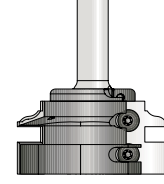
						
PCD-Eco Z1+1	PCD-Eco Z1+2	PCD-Eco Z2+1 Superior	PCD-Eco Z3+1 Helical	PCD-45° 4 Wings	PCD-54° 4 Wings	PCD-Nesting Heavy Steel -2+1 Wings
62	62	63	63	64	64	65

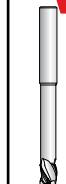

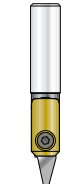
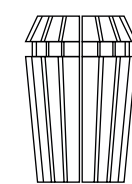
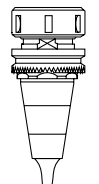
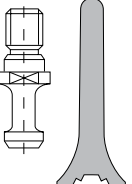
						
PCD-Nesting Heavy Steel -3+3+1 Wings	PCD-T-Slot Cutter for Aluminum	PCD-Grooving Router Cutter Z1	PCD-Grooving Router Cutter Z2	PCD-Grooving Router Cutter Z1+1	DnamicX2	Solid Carbide Straight Router Cutter
65	65	66	66	66	67	67

						
Solid Carbide Roughing Spiral 3 Flute	Solid Carbide Double Flute Spiral	Solid Carbide Double Flute Spiral for Wood	Solid Carbide Spiral 3 Flute	Solid Carbide Up & Down Spiral 1 Flute	Solid Carbide Up & Down Spiral 2 Flute	3 Flute Compression Spiral for Nesting Op.
67	68	68	69	69	70	70

					
Saw lades for Cutting & Grooving	Straight Up & Down Shear Router Cutter	Rough Rebating Router Cutter	Straight Rebater R. Cutter with Scorers	Planing & Rebating R. Cutter	Planing & Rebating R. Cutter
71	72	72	73	74	74

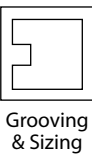
						
Planing & Rebating R. Cutter	Adjustable Bevel R. Cutter	Adjustable Bevel R. Cutter	V-Groove Router Cutter	V-Groove Router Cutter	Multi Profile Raised Panel R. Cutter	Raised Panel R. Cutter
75	75	76	77	78	79	79

						
Raised Panel R. Cutter	Multi-Face Profile R. Cutter	Multi-Edge Profile R. Cutter	Tongue Router Cutter	Groove Router Cutter	Tongue & Groove Classic R. Cutter Sets	Tongue & Groove Classic R. Cutter Sets
80-81	82	82-83	84	84	85	85

						
Ball Nose End Mill	Spiral Taper Ballnose For Plastic, MDF & N/F metals	Engraving System	Collets	Tool Holders	Tool Holders & Key	
86	87	88-91	92	93	93	

CNC

CNC



Grooving & Sizing



Profiling & Chamfering



Door Frame & Panel



Joining & Rebating



Carving



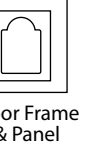
Clamping Systems & Adapters



Grooving & Sizing



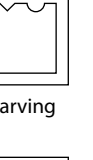
Profiling & Chamfering



Door Frame & Panel



Joining & Rebating

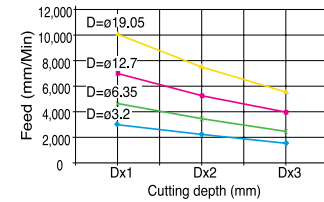


Carving



Clamping Systems & Adapters

Convenient feed rate charts are provided to assist you in selecting the right spiral family tool group best suited for working with different types of wood and laminate materials. Values provided in the charts are recommendations only. Many external factors can influence the cutting process, including inconsistencies in the wood; wood fiber direction, wood type, wood humidity and also clamping stiffness, machine stiffness, etc. Each of these variables, alone or combined, can affect cutting conditions. For any new application, it is recommended to increase feed rate gradually, checking the cutting quality as you go. If acceptable, continue to increase the feed rate to recommended values. Please note, the larger the chip-per-tip (high feed rate), the tool life will be increased.



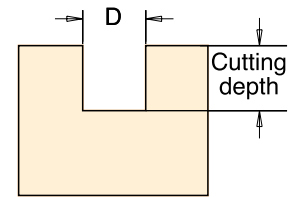
How to use the feed rate charts.

Each chart relates to a particular tool family for use with a different type of wood or material. Each line relates to the cutting diameter of the tool. If you cannot find the exact diameter you require, please approximate the value within the existing lines. Chart values are based on a rotation speed of 18,000 RPM. Changing the rotation speed will influence the feed rate proportionally. For example, if the tool rotates at 12,000 RPM you will need to decrease the feed rate by 12,000/18,000. Values attributed to cutting depth or wood thickness relate to cutting diameter. For example, if the cutting diameter is 10 mm and wood thickness is 20 mm, cutting depth is 2xD.

R.P.M. = 18,000

Step-by-step

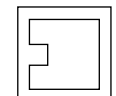
1. Select the correct chart according to the tool family and wood type.
2. Locate the desired line on the chart according to diameter size.
3. Evaluate your wood thickness according to the cutting diameter i.e. 1xD or 2xD, 1.5x D etc.
4. Find the correct feed rate according to the wood thickness on the chart.



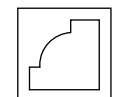
Selecting The Right Tool Family

	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
	✓✓✓ Excellent	✗ Not Recommended	✓✓✓ Excellent	✗ Not Recommended	✓✓✓ Excellent	✗ Not Recommended	✓✓ Good
	✓ Fair	✗ Not Recommended	✓✓ Good	✗ Not Recommended	✓✓✓ Excellent	✗ Not Recommended	✓✓✓ Excellent
	✓✓✓ Excellent	✓✓✓ Excellent	✓ Fair	✓✓✓ Excellent	✓✓ Good	✓✓✓ Excellent	✓✓ Good
	✓✓✓ Excellent	✓✓✓ Excellent	✓✓ Good	✓✓✓ Excellent	✓✓ Good	✓✓✓ Excellent	✓ Fair

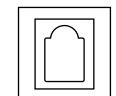
	Routing Spiral Z=3	Chipbreaker Z=3	Up Shear & Down Shear Z=2



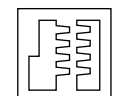
Grooving & Sizing



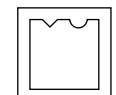
Profiling & Chamfering



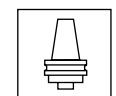
Door Frame & Panel



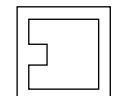
Joining & Rebating



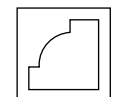
Carving



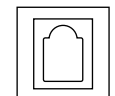
Clamping Systems & Adapters



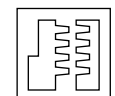
Grooving & Sizing



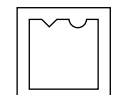
Profiling & Chamfering



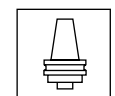
Door Frame & Panel



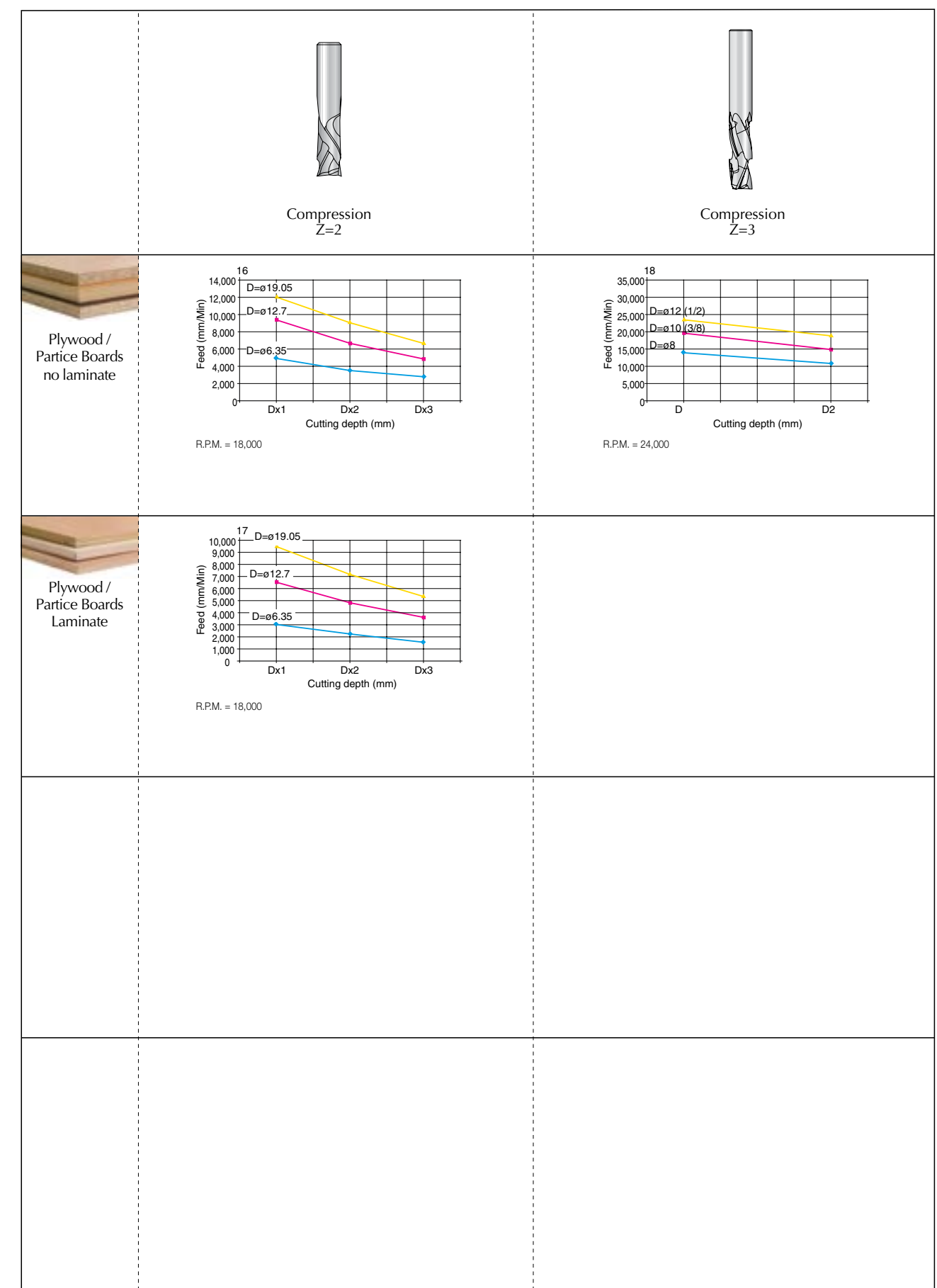
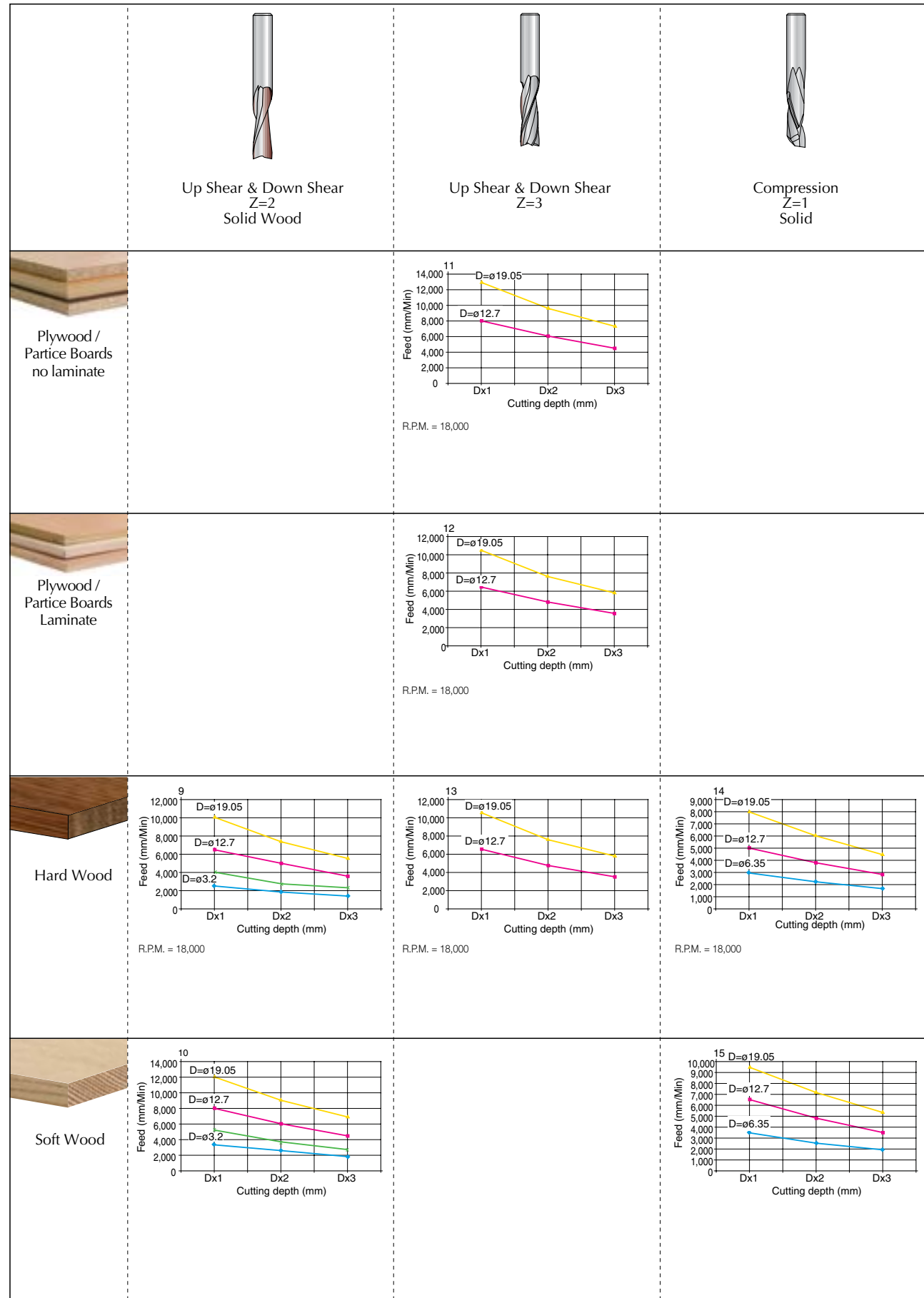
Joining & Rebating



Carving



Clamping Systems & Adapters



Grooving & Sizing



Profiling & Chamfering



Door Frame & Panel



Joining & Rebating



Carving



Clamping Systems & Adapters



Grooving & Sizing



Profiling & Chamfering



Door Frame & Panel



Joining & Rebating



Carving



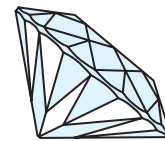
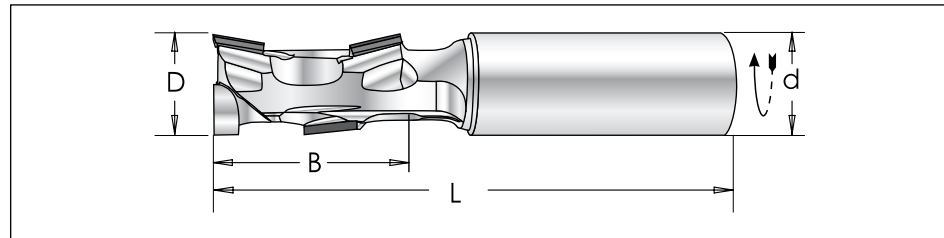
Clamping Systems & Adapters

PCD - Eco Z1+1

NEW

Properties: Economical diamond router. Diamond height H=2.5 mm. 3 helicoidal wings, positive and negative cutters. Can be resharpened up to 2-3 times.

Application: Suitable for panels made of chipboard, coated, laminated and MDF.



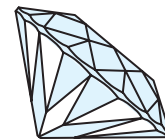
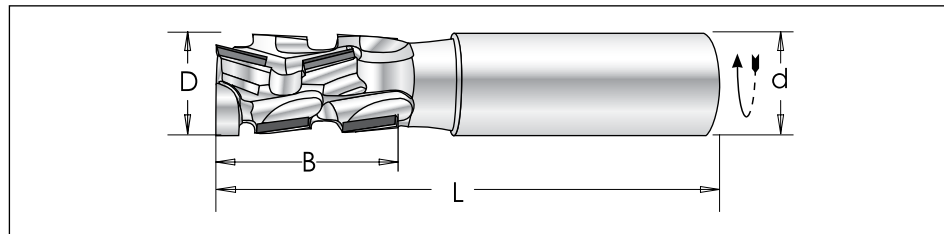
Tool No..		Dia.	B	Tips	Plunge	Length	Shank
Right Hand Rotation	Left Hand Rotation						
6830.038.01	6830.138.01	3/8"	1"	3	HW	3"	3/8"
6830.012.01	6830.112.01	1/2"	1"	3	HW	3"	1/2"
6830.012114	6830.112114	1/2"	1-1/4"	4	HW	3-1/2"	1/2"
6830.058.01	6830.158.01	5/8"	1"	3	HW	3"	5/8"
6830.058158	6830.158158	5/8"	1-5/8"	5	HW	4"	5/8"
6830.034.01	6830.134.01	3/4"	1"	3	HW	3"	3/4"
6830.034158	6830.134158	3/4"	1-5/8"	5	HW	4"	3/4"

PCD - Eco Z2+1

NEW

Properties: Economical diamond router. Diamond height H=2.5 mm. 4 wings, 2 cutters engaged on all cutting points, positive and negative cutters. Can be resharpened up to 2-3 times.

Application: Suitable for panels made of chipboard, coated, laminated and MDF. Good finishing, good feed rate and low noise.



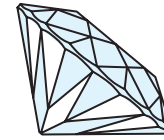
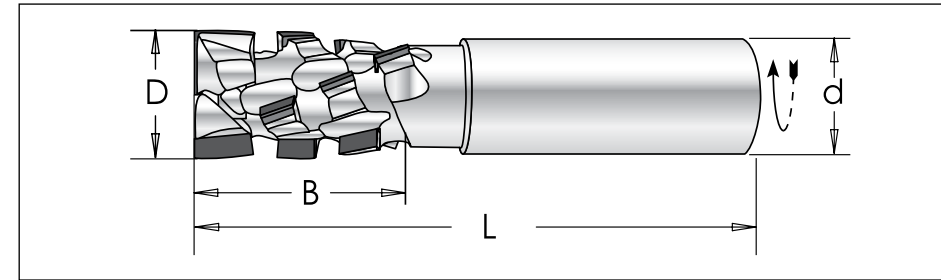
Tool No.		Dia.	B	Tips	Plunge	Length	Shank
Right Hand Rotation	Left Hand Rotation						
6832.012114	6832.112114	1/2"	1-1/4"	8	HW	3-1/2"	1/2"
6832.058.01	6832.158.01	5/8"	1"	6	HW	3"	5/8"
6832.058158	6832.158158	5/8"	1-5/8"	10	HW	4"	5/8"
6832.034.01	6832.134.01	3/4"	1"	6	HW	3"	3/4"
6832.034158	6832.134158	3/4"	1-5/8"	10	HW	4"	3/4"

PCD -Z2+1 Superior

NEW

Properties: Router with diamond height of H=4.5mm. 4 uninterrupted wings, 2 cutters engaged on all cutting points, positive and negative cutters. Can be resharpened up to 7-10 times.

Application: Suitable for panels made of chipboard, coated, laminated. Ideal for MDF. Good finishing, high feed rate and low noise, due to good chip removal.



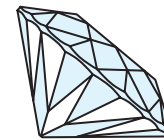
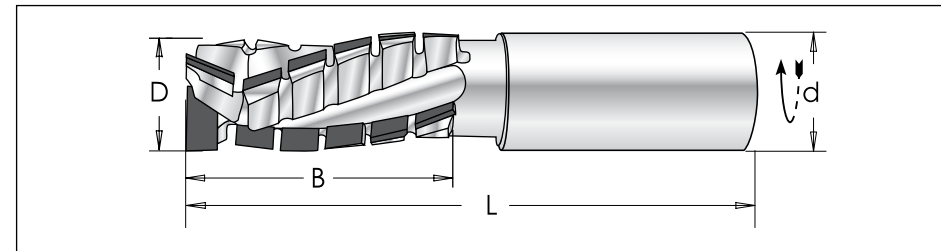
Tool No.		Dia.	B	Tips	Plunge	Length	Shank
Right Hand Rotation	Left Hand Rotation						
6833.222.32	6833.322.32	22mm	32mm	10	DP	92mm	20mm
6833.222.38	6833.322.38	22mm	38mm	12	DP	98mm	20mm
6833.222.43	6833.322.43	22mm	43.5mm	14	DP	103mm	20mm
6833.222.49	6833.322.49	22mm	49mm	16	DP	109mm	20mm
6833.222.54	6833.322.54	22mm	54mm	18	DP	115mm	20mm
6833.025.49	6833.125.49	25mm	49mm	16	DP	109mm	25mm
6833.025.55	6833.125.55	25mm	55mm	18	DP	115mm	25mm
6833.025.60	6833.125.60	25mm	60mm	20	DP	126mm	25mm
6833.025.65	6833.125.65	25mm	65mm	22	DP	126mm	25mm

PCD - Z3+1 Helical

NEW

Properties: Router with diamond height of H=4.5mm. 3 uninterrupted helical wings, 3 cutters engaged on all cutting points, positive and negative cutters. Can be resharpened up to 7-10 times.

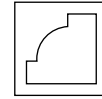
Application: Suitable for panels made of chipboard, coated, laminated and MDF. Excellent finishing, high feed rate and low noise, due to good chip removal.



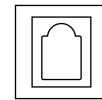
Tool No		Dia.	B	Tips	Plunge	Length	Shank
Right Hand Rotation	Left Hand Rotation						
6834.220.29	6834.320.29	20mm	29mm	11	PCD	95mm	20mm
6834.222.44	6834.322.44	20mm	44mm	17	PCD	105mm	20mm
6834.025.37	6834.125.37	25mm	37mm	14	PCD	100mm	25mm
6834.025.52	6834.125.52	25mm	52mm	20	PCD	115mm	25mm
6834.025.67	6834.125.67	25mm	67mm	26	PCD	130mm	25mm



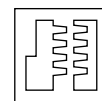
Grooving & Sizing



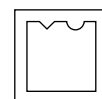
Profiling & Chamfering



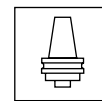
Door Frame & Panel



Jointing & Rebating



Carving



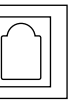
Clamping Systems & Adapters



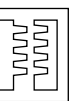
Grooving & Sizing



Profiling & Chamfering



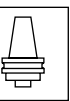
Door Frame & Panel



Jointing & Rebating



Carving



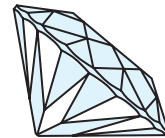
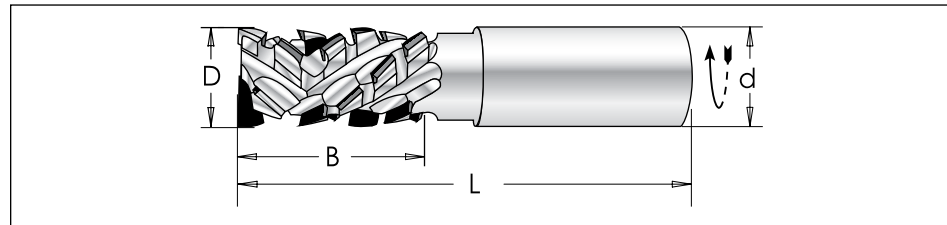
Clamping Systems & Adapters

PCD - 45° 4 Wings

NEW

Properties: Router with diamond height of H=4.5mm. 4 uninterrupted helical wings, 2 cutters engaged on all cutting points, axial cut 45°, plug PCD tip, positive and negative cutters.

Application: Ideal for panels made of chipboard and MDF, with coatings or thin paper coverage. Excellent finishing due to special design. High feed rate and low noise due to good chip removal.



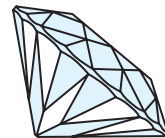
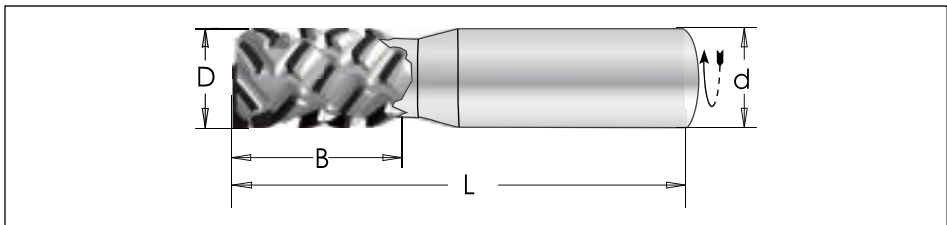
Tool No.		Dia.	B	Tips	Plunge	Length	Shank
Right Hand Rotation	Left Hand Rotation						
6835.222.38	6835.322.38	22mm	38mm	16+1	PCD	100mm	20mm
6835.025.38	6835.125.38	25mm	38mm	16+1	PCD	100mm	25mm
6835.025.46	6835.125.46	25mm	46mm	20+1	PCD	110mm	25mm
6835.025.54	6835.125.54	25mm	54mm	24+1	PCD	125mm	25mm
6835.025.63	6835.125.63	25mm	63mm	28+1	PCD	125mm	25mm
6835.025.71	6835.125.71	25mm	71mm	32+1	PCD	140mm	25mm

PCD - 54° 4 Wings

NEW

Properties: Router with diamond height of H=4.5 mm. 6 uninterrupted wings, 2 cutters engaged on all cutting points, axial cut 54°, plug PCD tip, positive and negative cutters.

Application: Ideal for various materials such as chipboard, MFD, HDF, with coatings or thin paper coverage. Excellent finishing due to special design. Very high feed rate and low noise due to good chip removal.



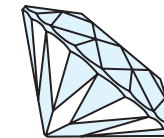
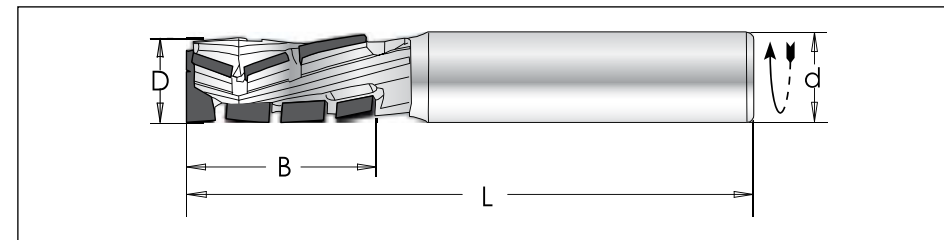
Tool No.		Dia	B	Tips	Plunge	Length	Shank
Right Hand Rotation	Left Hand Rotation						
6837.225.30	6837.325.30	25mm	30mm	18+1	PCD	95mm	20mm
6837.025.30	6837.125.30	25mm	30mm	18+2	PCD	95mm	25mm
6837.225.40	6837.325.40	25mm	40mm	24+1	PCD	105mm	20mm
6837.025.40	6837.125.40	25mm	40mm	24+2	PCD	105mm	25mm
6837.225.49	6837.325.49	25mm	49.5mm	30+1	PCD	115mm	20mm
6837.025.49	6837.125.49	25mm	49.5mm	30+2	PCD	115mm	25mm
6837.225.59	6837.325.59	25mm	59mm	36+1	PCD	125mm	20mm
6837.025.59	6837.125.59	25mm	59mm	36+2	PCD	125mm	25mm

PCD - Nesting Heavy Steel - 2+1 Wings

NEW

Properties: Router bit for nesting with diamond height of H=3.0mm. 3 helicoidal wings. Can be resharpened up to 2-3 times. 2 engaged cutters, positive and negative. 3 engaged cutters on top and bottom.

Application: Suitable for chipboard panels laminated, coated and MDF. High feed rate, good chip removal, excellent finishing and low noise.



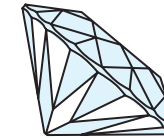
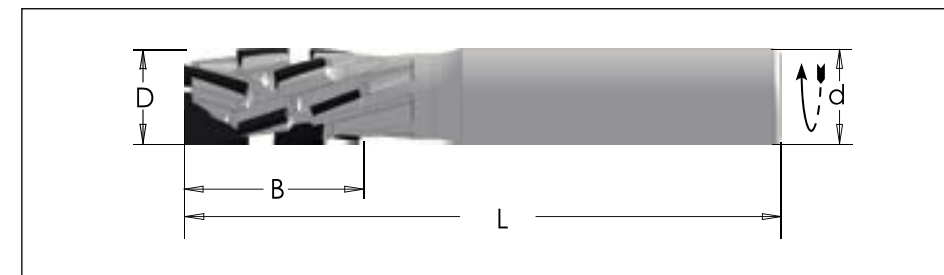
Tool No	Dia	B	Tips	Plunge	Length	Shank	n	m/min.
6838.012.01	1/2"	1"	9	PCD	3"	1/2"	24,000	6-8
6838.012114	1/2"	1-1/4"	12	PCD	3-1/2"	1/2"	24,000	6-8

PCD - Nesting Heavy Steel 3+3+1 Wings

NEW

Properties: Router bit for nesting with diamond height H=3.0mm. 6 helicoidal wings. Can be resharpened up to 2-3 times. 3 engaged cutters, mainly positive. 3 engaged cutters on top and bottom.

Application: Suitable for chipboard panels, laminated, coated and MDF. High feed rate, good chip removal, excellent finishing and low noise.



Tool No	Dia	B	Tips	Plunge	Length	Shank	n	m/min.
6842.012.01	1/2"	1"	12	PCD	3"	1/2"	24,000	10-12
6842.012114	1/2"	1-1/4"	18	PCD	3-1/2"	1/2"	24,000	10-12
6842.058114*	5/8"	1-1/4"	18	PCD	4"	5/8"	24,000	10-12

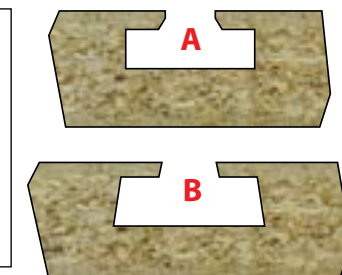
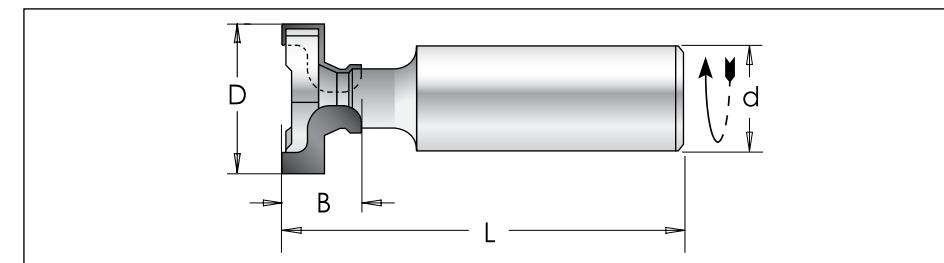
* steel

PCD - T-Slot Cutters for Aluminum Profile Grooving

NEW

Properties: T-slot cutter in diamond Z2+2. Can be resharpened up to 2-3 times.

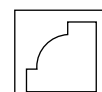
Application: Ideal for aluminum profile grooving. Suitable for chipboard panels and MDF. Excellent finishing of the panel. Low noise.



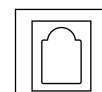
	Tool No.	Dia	B	Tips	Length	Shank
A	6850.114.34	1-1/4"	3/4"	2+2	2-1/2"	1/2"
A	6850.138.34	1-3/8"	3/4"	2+1	2-1/2"	1/2"
A	6850.138.78	1-3/8"	7/8"	2+2	2-1/2"	1/2"
B	6850.138.12	1-3/8"	1/2"	2+2	2-3/8"	1/2"
B	6850.114.12	1-1/4"	1/2"	2+1	2-3/8"	1/2"



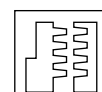
Grooving & Sizing



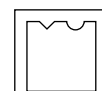
Profiling & Chamfering



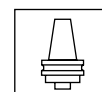
Door Frame & Panel



Jointing & Rebating



Carving



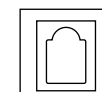
Clamping Systems & Adapters



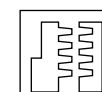
Grooving & Sizing



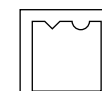
Profiling & Chamfering



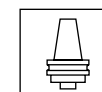
Door Frame & Panel



Jointing & Rebating



Carving



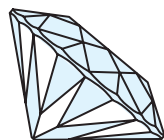
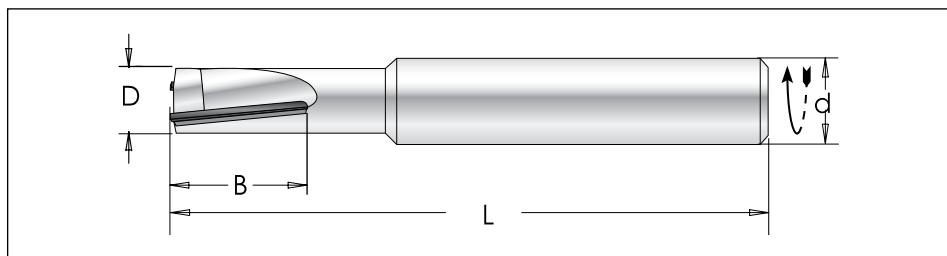
Clamping Systems & Adapters

PCD - Grooving Router Cutter Z1

NEW

Properties: Cutter with single tip Z=1 working as grooving bit. Made with HW body ideal for making canals. Negative axial angle. Can be resharpened up to 2-3 times.

Application: Suitable for raw, coated and laminated chipboard, MDF and plywood, plastic, Corian and polymers.



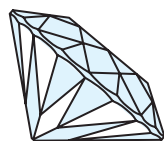
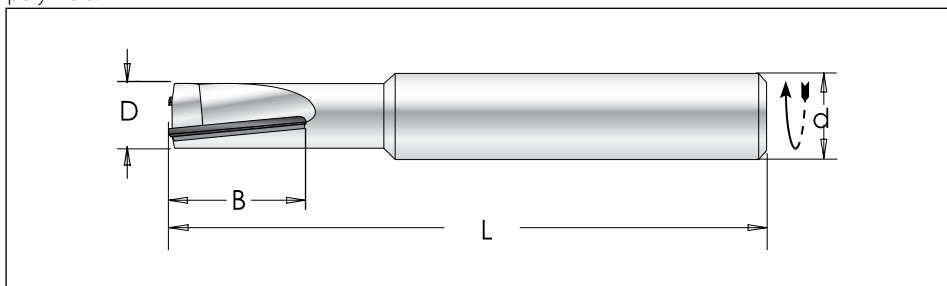
Tool No.	Dia	B	Plunge	Length	Shank
6844.014.12	1/4"	1/2"	DP	2"	1/4"
6844.038.58	3/8"	5/8"	DP	2-1/2"	3/8"
6844.012.78	1/2"	7/8"	DP	3"	1/2"

PCD - Grooving Router Cutter Z2

NEW

Properties: Cutter with Z=2 working as grooving bit. Made with HW body ideal for making canals. Negative axial angle. It can be resharpened up to 2-3 times.

Application: Suitable for raw, coated and laminated chipboard, MDF and plywood, plastic, Corian and polymers.



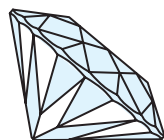
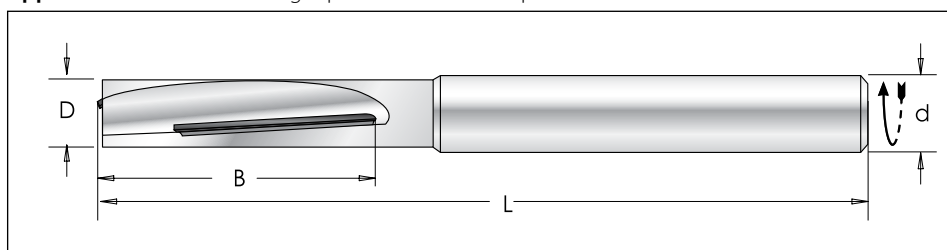
Tool No.	Dia	B	Plunge	Length	Shank	n
6845.014.12	1/4"	1/2"	DP	2"	1/4"	18,000
6845.038.58	3/8"	5/8"	DP	2-1/2"	3/8"	18,000
6845.012.78	1/2"	7/8"	DP	3"	1/2"	18,000

PCD - Grooving Positive & Negative Z1+1

NEW

Properties: Cutter with Z=1+1 positive and negative. Made with HW body ideal for making canals. Can be resharpened up to 2-3 times.

Application: Excellent finishing top and bottom for chipboard and MDF.

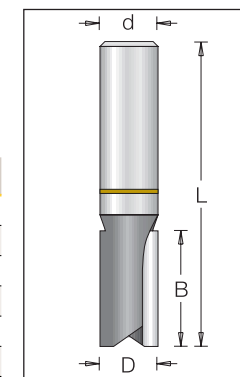


Tool No.	Dia	B	Plunge	Length	Shank
6846.080.28	8mm	28mm	DP	80mm	8mm
6846.010.28	10mm	28mm	DP	80mm	10mm
6846.012.28	12mm	28mm	DP	80mm	12mm

DnamicX2

The new generation of long lasting straight router bits, specially designed to cut laminated boards, MDF, panels and solid wood

NEW

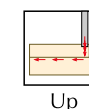
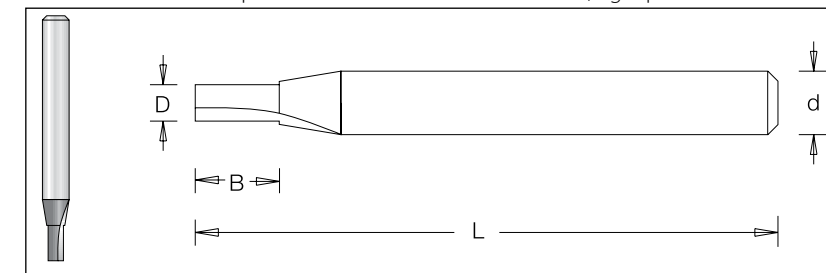


Tool No.	Dia.	B	Length	ød
1074595	8mm	25mm	67mm	8mm
1074809	10mm	30mm	80mm	12mm
1074819	12mm	25mm	75mm	12mm
1074869	12mm	30mm	80mm	12mm
1074879	12mm	38mm	88mm	12mm
1074899	12mm	48mm	100mm	12mm

Straight Bit - Solid Carbide

Newly developed line of superior quality solid carbide bits to rout difficult to cut materials particularly in small diameter. Suitable for wood composites and thin laminated materials, rigid plastics such as acrylic, PVC and nylon.

DYNAMIC™
Extended Life



1 Flute

Tool No	Dia.	Shank	B	Length
SCR4-3MS	3mm	1/4"	11mm	51mm
SCR4-4MS	4mm	1/4"	11mm	51mm
SCR4-5MS	5mm	1/4"	11mm	51mm
SCR4-6MS	6mm	1/4"	19mm	51mm
SCRL4-6MS	6mm	1/4"	25mm	51mm

2 Flutes

2 Flutes

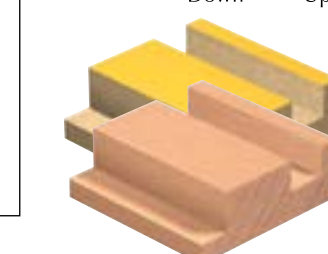
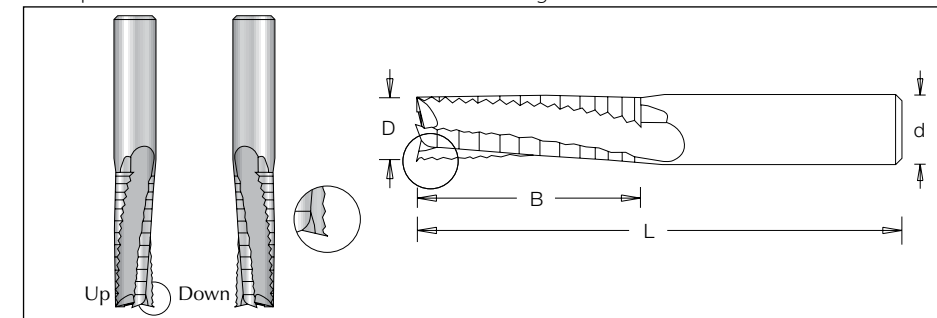
Tool No	Dia.	Shank	B	Length	Tool No	Dia.	Shank	B	Length
SCR4-4	5/32"	1/4"	7/16"	2"	SCR4-3M	3mm	1/4"	11mm	51mm
SCR4-5	3/16"	1/4"	7/16"	2"	SCR4-4M	4mm	1/4"	11mm	51mm
SCRL4-5	3/16"	1/4"	1/2"	2"	SCR4-5M	5mm	1/4"	11mm	51mm
SCR4-5.5	7/32"	1/4"	3/4"	2"	SCR4-6M	6mm	1/4"	19mm	51mm
SCR4-6A	1/4"	1/4"	1/2"	2"	SCR4-6MB	6mm	1/4"	19mm	63mm
SCR4-6	1/4"	1/4"	3/4"	2"	SCRL4-6M	6mm	1/4"	25mm	63mm
SCR4-6B	1/4"	1/4"	3/4"	2 1/2"					
SCRL4-6	1/4"	1/4"	1"	2 1/2"					
SCRL6-10	3/8"	3/8"	1 1/4"	3"					

1 Flute

Tool No	Dia.	Shank	B	Length
SCR4-3S	1/8"	1/4"	7/16"	2"
SCR4-4S	5/32"	1/4"	7/16"	2"
SCR4-5S	3/16"	1/4"	7/16"	2"
SCR4-5.5S	7/32"	1/4"	3/8"	2"
SCR4-6S	1/4"	1/4"	3/4"	2"
SCRL4-6S	1/4"	1/4"	1"	2"

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. Up-cut spiral for optimum chip flow and improved finish on the bottom of the board. Down-cut 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.



UPCUT

Tool No	Dia.	Shank	B	Length
SCF812	1/2"	1/2"	1 5/8"	3 1/2"
SCF812B	1/2"	1/2"	1 1/2"	3 1/2"
SCF812E	1/2"	1/2"	2"	4"

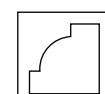
DOWNCUT

Tool No	Dia.	Shank	B	Length
SCF812DC	1/2"	1/2"	1 5/8"	3 1/2"
SCF812EDC	1/2"	1/2"	2"	4"
SCF516BDC	5/8"	5/8"	2 1/8"	4 1/2"

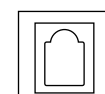
See feed rates details on page 59



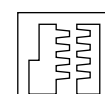
Grooving & Sizing



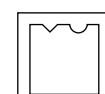
Profiling & Chamfering



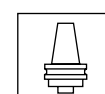
Door Frame & Panel



Joining & Rebating



Carving



Clamping Systems & Adapters



Grooving & Sizing



Profiling & Chamfering



Door Frame & Panel



Joining & Rebating



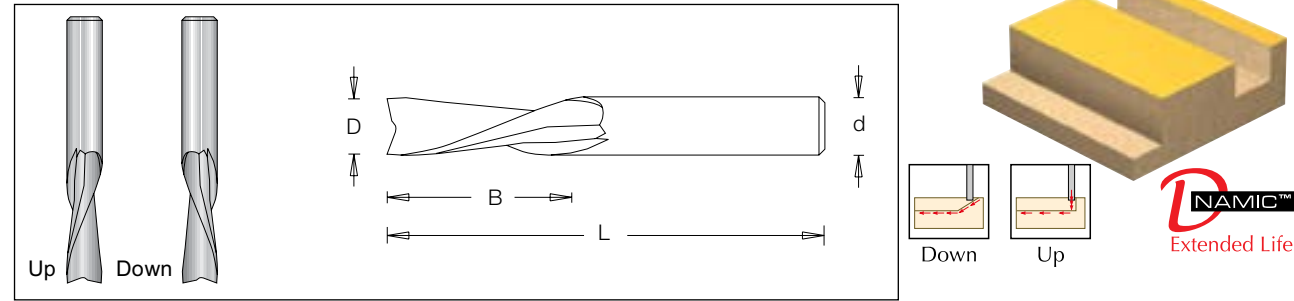
Carving



Clamping Systems & Adapters

2 Flute Spiral- Solid Carbide - for Solid Wood

Solid tungsten carbide router cutter complete with two spiral flutes. Suitable for fine 'finishing' cuts combined with high feed rate in soft wood, hard wood and man-made boards (with or without coating). Carbide for maximum durability in abrasive materials. Up-cut spiral for optimum chip flow and improved finish on the bottom of the board. Down-cut 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.



UPCUT

Tool No	Dia.	Shank	B	Length
SCW43	1/8"	1/4"	1/2"	2"
SCW45	3/16"	1/4"	5/8"	2"
SCW463	1/4"	1/4"	3/4"	2 1/2"
SCW46	1/4"	1/4"	1 1/8"	3"
SCW610	3/8"	3/8"	1"	2 1/2"
SCW810	3/8"	1/2"	1 1/4"	3"
SCW812	1/2"	1/2"	1 1/4"	3"
SCW812B	1/2"	1/2"	1 5/8"	3 1/2"

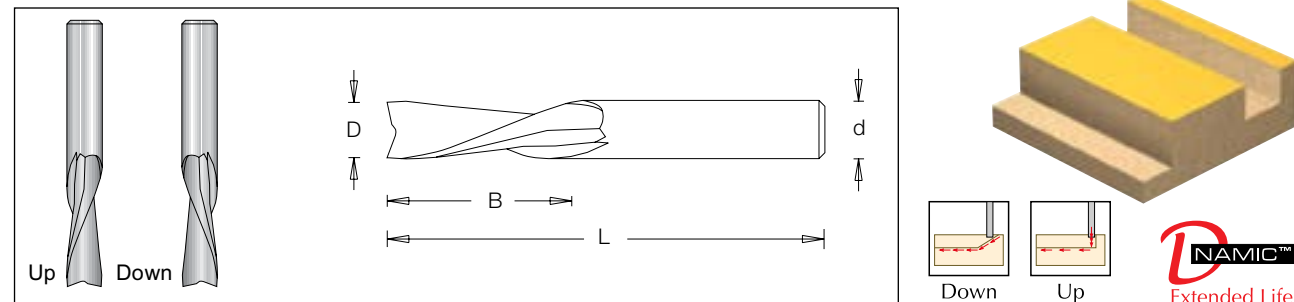
DOWNCUT

Tool No	Dia.	Shank	B	Length
SCW43DC	1/8"	1/4"	1/2"	2"
SCW44DC	5/32"	1/4"	5/8"	2 1/2"
SCW45DC	3/16"	1/4"	5/8"	2"
SCW463DC	1/4"	1/4"	3/4"	2 1/2"
SCW46DC	1/4"	1/4"	1 1/8"	3"
SCW610DC	3/8"	3/8"	1"	2 1/2"
SCW810DC	3/8"	1/2"	1 1/4"	3"
SCW812DC	1/2"	1/2"	1 1/4"	3"
SCW812BDC	1/2"	1/2"	1 5/8"	3 1/2"

See feed rates details on page 59

2 Flute Spiral- Solid Carbide - For Man-made material

Used primarily with abrasive laminated boards, particle boards, MDF, laminates and in plastic material to achieve an excellent finish. Upcut spirals are used when you need good chip removal, and/or when the finished or laminated surface is on the underside. The flute design assists in dust collection and therefore is the best choice when grooving. To eliminate the lifting effect of the upcut flute design, clamp the material properly.



UPCUT

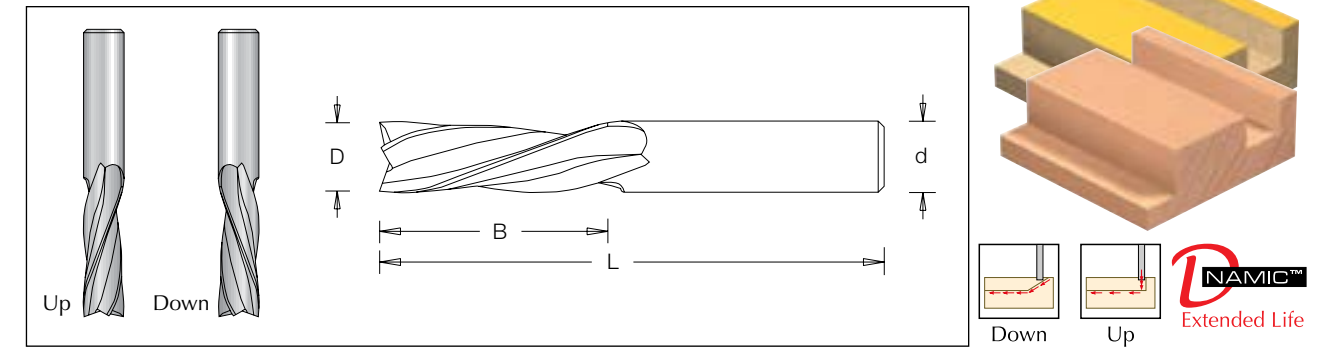
Tool No	Dia.	Shank	B	Length
SC43	1/8"	1/4"	1/2"	2"
SC44	5/32"	1/4"	5/8"	2 1/2"
SC45	3/16"	1/4"	3/4"	2 1/2"
SC455	7/32"	1/4"	1"	2 1/2"
SC463	1/4"	1/4"	3/4"	2 1/2"
SC46	1/4"	1/4"	1"	2 1/2"
SC87	9/32"	1/2"	1"	3"
SC88	5/16"	1/2"	1 1/8"	3"
SC610	3/8"	3/8"	1"	2 1/2"
SC610B	3/8"	3/8"	1 1/4"	3"
SC810	3/8"	1/2"	1 1/4"	3"
SC811	7/16"	1/2"	1 1/4"	3"
SC812	1/2"	1/2"	1 1/4"	3 1/2"
SC812B	1/2"	1/2"	1 5/8"	3 1/2"
SC919	3/4"	3/4"	1 5/8"	4"

DOWNCUT

Tool No	Dia.	Shank	B	Length
SC43DC	1/8"	1/4"	1/2"	2"
SC44DC	5/32"	1/4"	5/8"	2 1/2"
SC45DC	3/16"	1/4"	3/4"	2"
SC455DC	7/32"	1/4"	1"	2 1/2"
SC463DC	1/4"	1/4"	3/4"	2 1/2"
SC46DC	1/4"	1/4"	1"	2 1/2"
SC87DC	9/32"	1/2"	1"	3"
SC88DC	5/16"	1/2"	1 1/8"	3"
SC610DC	3/8"	3/8"	1"	2 1/2"
SC810DC	3/8"	1/2"	1 1/4"	3"
SC811DC	7/16"	1/2"	1 1/4"	3"
SC812DC	1/2"	1/2"	1 1/4"	3 1/2"
SC812BDC	1/2"	1/2"	1 5/8"	3 1/2"
SC919DC	3/4"	3/4"	1 5/8"	4"

3 Flute Spiral- Solid Carbide

Solid tungsten carbide router cutter complete with two spiral flutes. Suitable for fine 'finishing' cuts in soft wood, hard wood and man-made board (with or without coating). Carbide for maximum durability in abrasive materials. Up-cut spiral for optimum chip flow and improved finish on the bottom of the board. Down-cut 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 CNC control. Similar to two flute spirals. Smaller chips result in smoother surface.



UPCUT

Tool No	Dia.	Shank	B	Length
SCT810	3/8"	1/2"	1 1/4"	3"
SCT812	1/2"	1/2"	1 1/2"	3 1/2"
SCT812B	1/2"	1/2"	2"	4"
SCT919	3/4"	3/4"	2 1/8"	4"

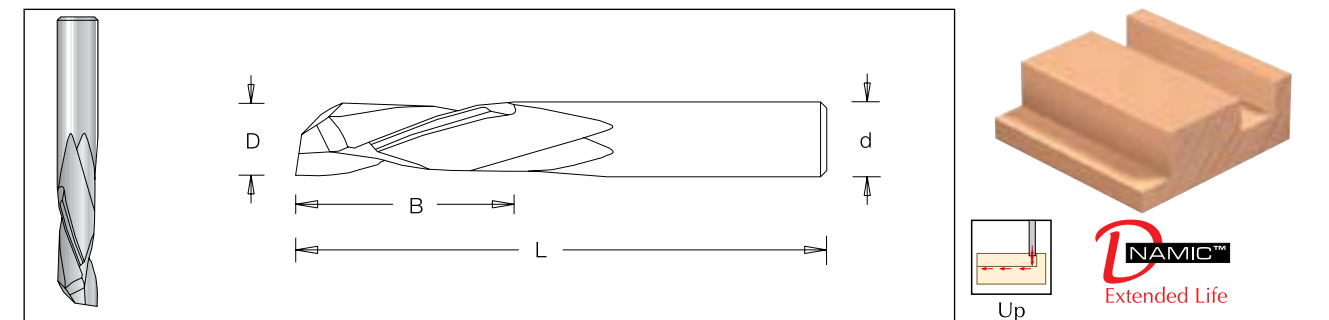
DOWNCUT

Tool No	Dia.	Shank	B	Length
SCT810DC	3/8"	1/2"	1 1/4"	3"
SCT812DC	1/2"	1/2"	1 1/2"	3 1/2"
SCT812BDC	1/2"	1/2"	2"	4"

See feed rates details on page 60

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

Solid tungsten carbide router cutter complete with one up and down compression spiral flutes. The compression spiral compresses the chips into the center of the bit to ensure a fine finish on both surfaces of solid wood and hard wood. For use on routers and machining centers with and without CNC control. Compression bits are used in C.N.C machines, where the feed is fast and steady. Optimum finish is achieved on double sided laminated boards, hardwoods and wood composites.

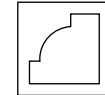


Tool No	Dia.	Shank	B	Length
SCC46	1/4"	1/4"	7/8"	2 1/2"
SCC810	3/8"	1/2"	1"	3"
SCC810B	3/8"	1/2"	1 1/8"	3"
SCC812	1/2"	1/2"	1"	3"
SCC812B	1/2"	1/2"	1 1/8"	3"
SCC812C	1/2"	1/2"	1 5/8"	3 1/2"

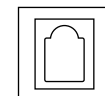
See feed rates details on page 60.



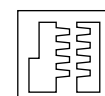
Grooving & Sizing



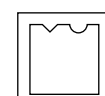
Profiling & Chamfering



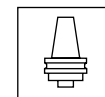
Door Frame & Panel



Jointing & Rebating



Carving



Clamping Systems & Adapters



Grooving & Sizing



Profiling & Chamfering



Door Frame & Panel



Jointing & Rebating



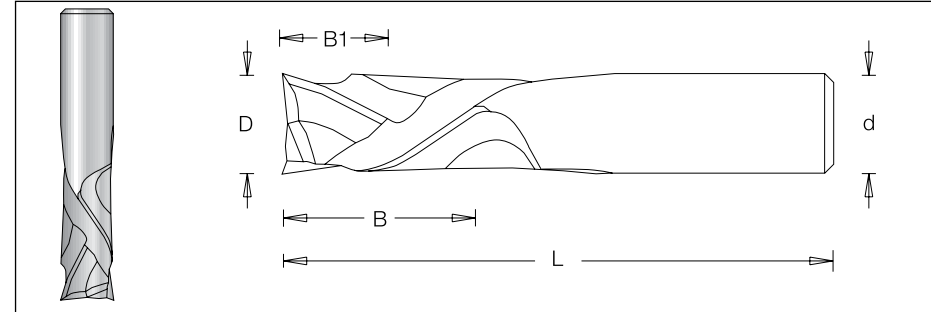
Carving



Clamping Systems & Adapters

Solid Carbide Up & Down Compression 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 centers with and without CNC control. Compression bits are used in C.N.C machines, where the feed is fast and steady. Optimum finish is achieved on double sided laminated boards, hardwoods and wood composites.



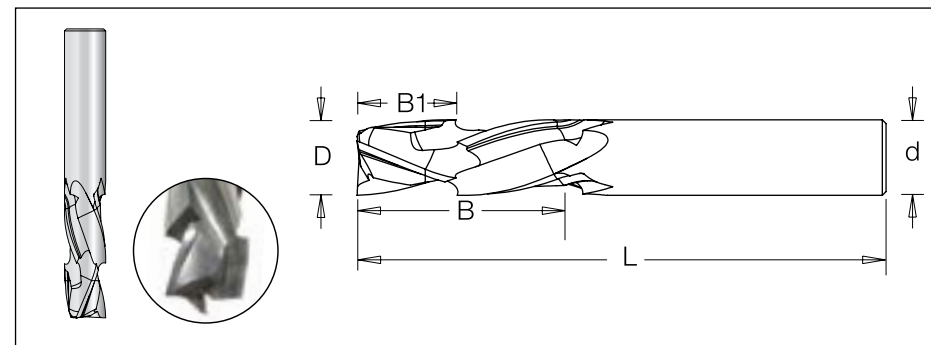
Tool No	Dia.	Shank	B	B1	Length
SCC462	1/4"	1/4"	7/8"	9/32"	2 1/2"
SCC1010	3/8"	3/8"	1"	3/16"	3"
SCC8102	3/8"	1/2"	1"	23/64"(9mm)	3"
SCC810B2	3/8"	1/2"	1 1/8"	23/64"(9mm)	3"
SCC8122	1/2"	1/2"	1"	23/64"(9mm)	3"
SCC812B2	1/2"	1/2"	1 1/8"	25/64"(10mm)	3"
SCC812C2	1/2"	1/2"	1 5/8"	7/16"(11mm)	3 1/2"
SCC9192	3/4"	3/4"	2"	43/64"(17mm)	4"

See feed rates details on page 61

3 Flute Compression Spiral for Nesting Operations

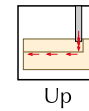
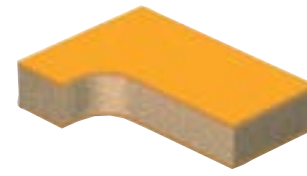
New generation of spiral tools for nesting operations on CNC machines. Dimar's "Dynamic" carbide for longer life. Three flute design, high clearance geometric shape for max. feed rate. Free chip flow. Clean Cut.

- High clearance geometric shape for maximum feed rate.
- Free chip flow.
- Superior cut quality.



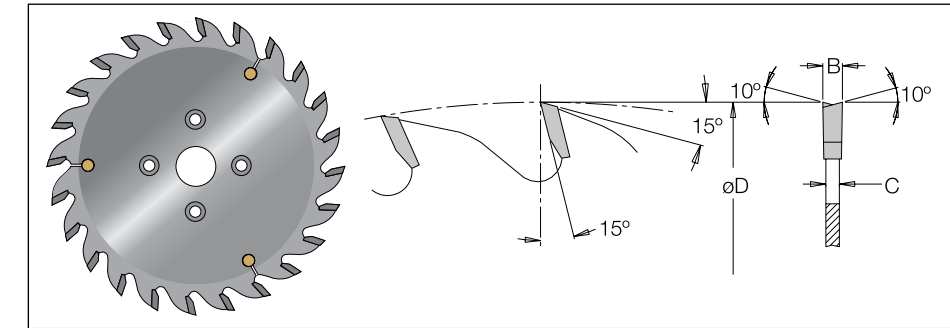
Tool No	Dia.	Shank	B	B1	Length
SCG1010	3/8"	3/8"	1"	9/32"	3"
SCG812	1/2"	1/2"	1 1/4"	23/64"	3"

See feed rates details on page 61



Saw blades for Cutting & Grooving

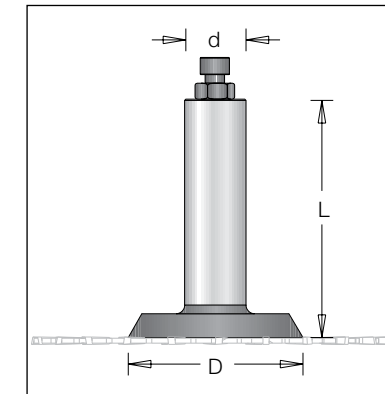
Tungsten carbide tipped alternate bevel saw blades for cutting and grooving along and across the grain on softwoods, hardwoods and man-made boards (with or without coating). For use on routers and machining centers with CNC Control.



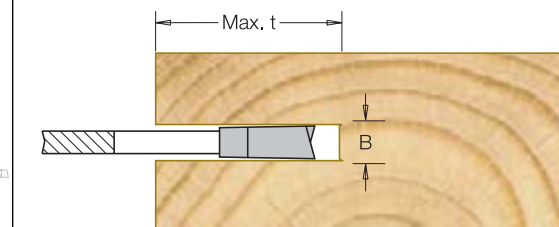
Tool No	Dia.	Teeth	Kerf = B	C	RPM	Max t.	Bore
125243	125mm	24	3mm	2.0mm	19,000	25mm	30mm
125244	125mm	24	4mm	2.8mm	19,000	25mm	30mm
125245	125mm	24	5mm	3.5mm	19,000	25mm	30mm
150243	150mm	24	3mm	2.0mm	9,000	38mm	30mm
150244	150mm	24	4mm	2.8mm	9,000	38mm	30mm
150245	150mm	24	5mm	3.5mm	9,000	38mm	30mm
180303	180mm	30	3mm	2.0mm	7,000	54mm	30mm
180304	180mm	30	4mm	2.8mm	7,000	54mm	30mm
180305	180mm	30	5mm	3.5mm	7,000	54mm	30mm



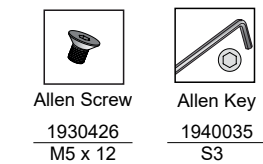
CNC Arbor



Tool No	Dia.	d	L	⊕
1900250	71mm	20mm	90mm	4 x M5 x ø52
190025H	71mm	25mm	90mm	4 x M5 x ø52
1900252	71mm	3/4"	90mm	4 x M5 x ø52



Replacement Parts:



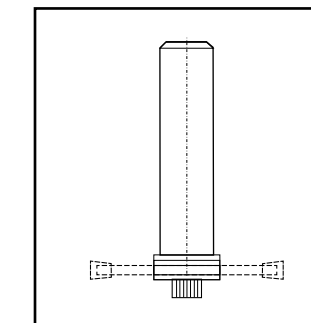
Arbor For C.N.C Routers

*Fits all slotting cutters

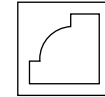
Replacement Parts:

- 1 pc. Raised washer; 1920100
- 2 pcs. 1.0mm washer; 1920110
- 1 pc. 0.5mm washer; 1920120
- 1 pc. Screw; 1930080

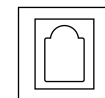
Tool No	Description
108R-12CNC	1/2" Shank x 2" Length
108R-12CNCSP	1/2" Shank x 3" Length



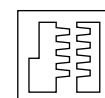
Grooving & Sizing



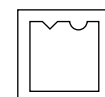
Profiling & Chamfering



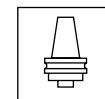
Door Frame & Panel



Jointing & Rebating



Carving



Clamping Systems & Adapters



Grooving & Sizing



Profiling & Chamfering



Door Frame & Panel



Jointing & Rebating



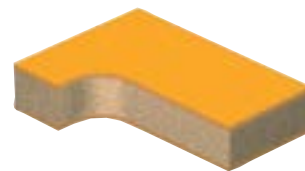
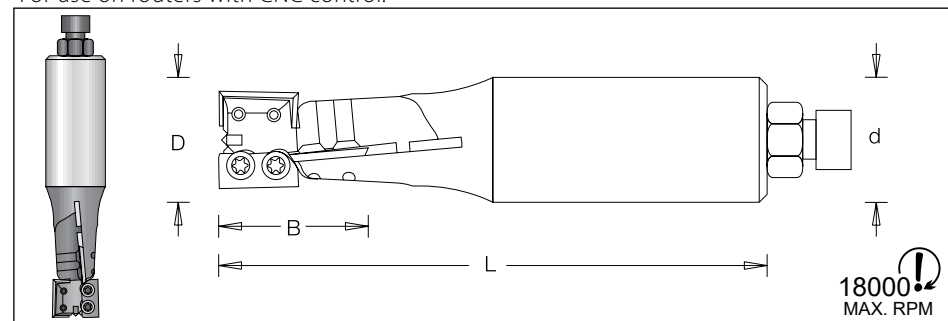
Carving



Clamping Systems & Adapters

Straight Up & Down Shear Router Cutter

Disposable insert straight router cutter complete with two up and down shear flutes and center 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 consistent cutting diameter and finish quality. Center tip for improved boring. For use on routers with CNC control.



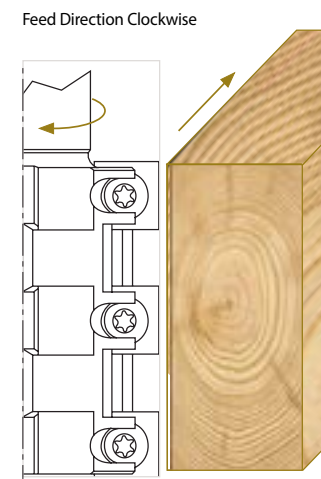
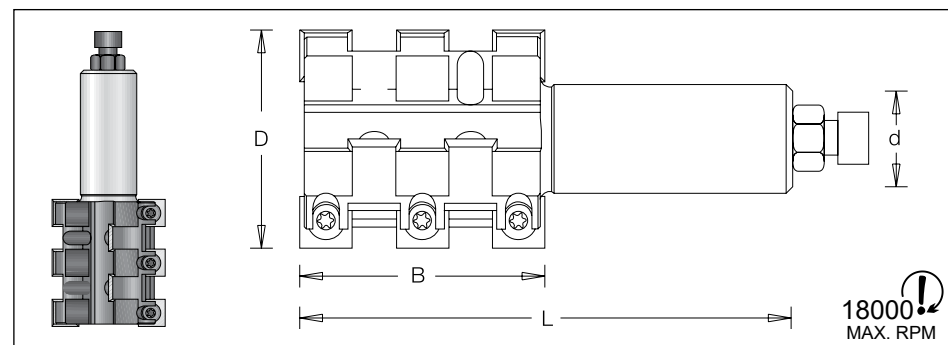
Tool No	Dia.	Shank	B	Length
N7R19-20N	20mm	3/4" x 55mm	30mm	110mm
N7RL19-20N	20mm	3/4" x 65mm	50mm	130mm
N7R20-20N	20mm	20mm x 55mm	30mm	110mm
N7RL20-20N	20mm	20mm x 65mm	50mm	130mm

Replacement Parts:

B = 30		B = 50	
T.C. Blade 3007716 16x7x1.5	T.C. Blade 3007728 28x7x1.5	Torx screw 1934000 M3x4	Torx key 1941100 T - 9

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 consistent cutting diameter. For use on routers and machining centers with CNC control.



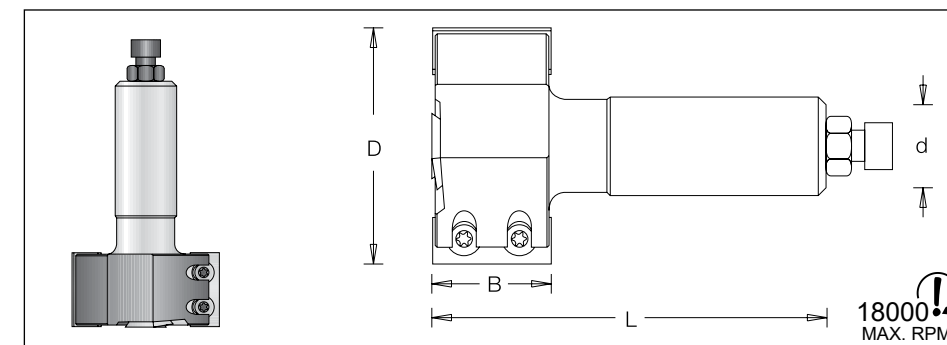
Tool No	Dia.	Shank	B	Length	No. of Blades
N119RL19-50	50mm	3/4" x 55mm	56mm	113mm	10
N119RLS19-50	50mm	3/4" x 65mm	78mm	135mm	14
N119RL20-50	50mm	20mm x 55mm	56mm	113mm	10
N119RLS20-50	50mm	20mm x 65mm	78mm	135mm	14

Replacement Parts:

T.C. Blade L12 12x12x1.5	Torx screw 1931482 M4x5.6	Torx key 1941015 T - 15

Straight Rebater Router Cutter with Scorers

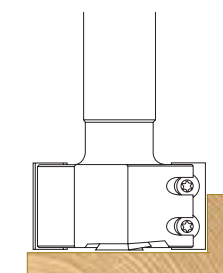
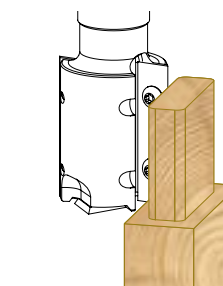
Disposable insert rebating router cutter complete with two cutting flutes and two center tips. Suitable for soft wood, hard wood and man-made board. For use on routers and machining centers with CNC control.



Tool No	Dia.	Shank	B	Length	Parts
N114R19-40	40mm	3/4"	30mm	100mm	L30
N114RL19-40	40mm	3/4" x 55mm	50mm	120mm	L50
N114R19-60	60mm	3/4" x 55mm	30mm	100mm	L30
N114RL19-60	60mm	3/4" x 65mm	50mm	120mm	L50
N114R20-40	40mm	20mm x 55mm	30mm	100mm	L30
N114RL20-40	40mm	20mm x 55mm	50mm	120mm	L50
N114R20-60	60mm	20mm x 55mm	30mm	100mm	L30
N114RL20-60	60mm	20mm x 65mm	50mm	120mm	L50

Replacement Parts:

T.C. Blade L30 30x12x1.5	T.C. Blade L50 50x12x1.5	T.C. Blade L142 14x14x2	Torx screw 1931482 M4x5.6	Torx key 1941015 T - 15	Torx key 1941060 T - 20	Torx screw 1933700 M5x6.3



Grooving & Sizing



Profiling & Chamfering



Door Frame & Panel



Joining & Rebating



Carving



Clamping Systems & Adapters



Grooving & Sizing



Profiling & Chamfering



Door Frame & Panel



Joining & Rebating



Carving

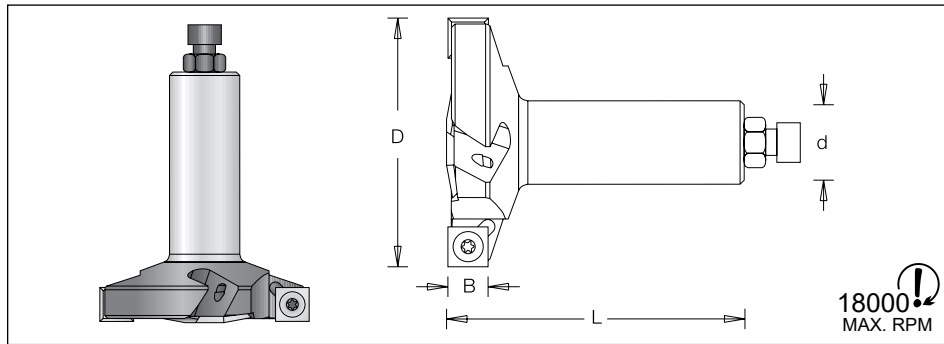


Clamping Systems & Adapters

Planing & Rebating Router Cutter

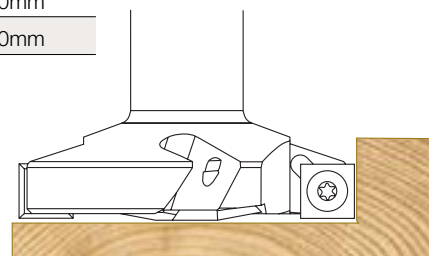
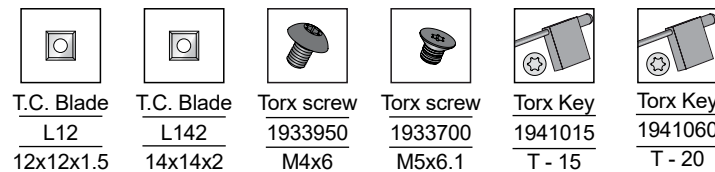
Solid wood, non-penetrating

Disposable insert planing and rebating router cutter complete with 2-5 cutting flutes and scorers. Suitable for planing and rebating in soft wood, hard woods and man-made boards. Ideal tool for fast removal of material over a large surface area such as spoil boards on CNC machines. For use on routers and machining centers with CNC control.



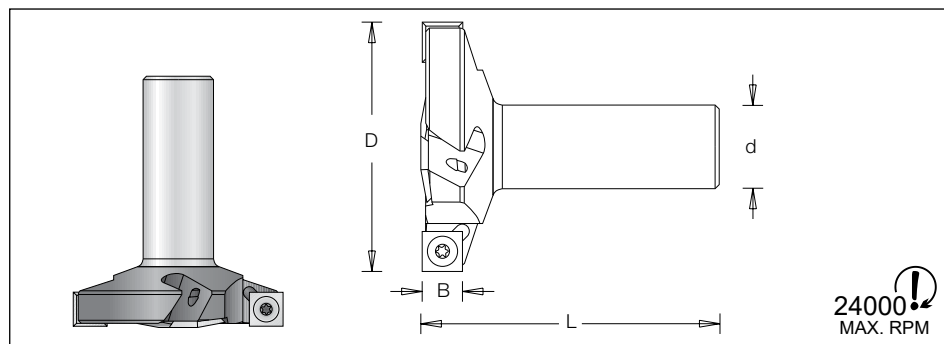
Tool No	Dia.	Shank	B	Length
N163R19-80	80mm	3/4" x 60mm	12mm	90mm
N163R20-80	80mm	20mm x 60mm	12mm	90mm

Replacement Parts:



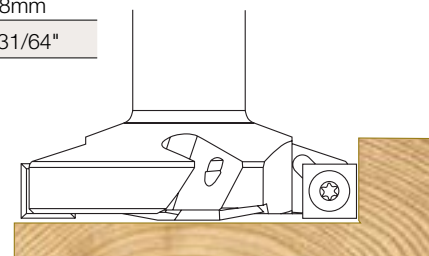
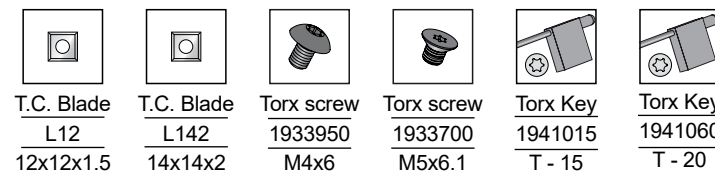
Planing & Rebating Router Cutter

Disposable insert planing and rebating router cutter complete with 2-5 cutting flutes and scorers. Suitable for planing and rebating in soft wood, hard woods and man-made boards. Ideal tool for fast removal of material over a large surface area such as spoil boards on CNC machines. For use on routers and machining centers with CNC control.



Tool No	Dia.	Shank	B	Length
N163R8-39	39.10mm	1/2"	12mm	58mm
N163R8-64	2 35/64"	1/2"	12mm	2 31/64"

Replacement Parts:

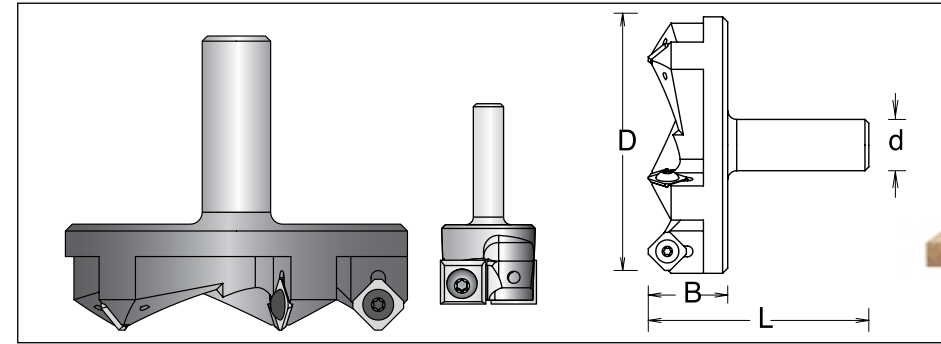


NEW

Planing & Rebating Router Cutter

All types of wood, penetrating (6mm)

Disposable insert planing and rebating router cutter complete with 2-5 cutting flutes and scorers. Suitable for planing and rebating in soft wood, hard woods and man-made boards. Ideal tool for fast removal of material over a large surface area such as spoil boards on CNC machines. For use on routers and machining centers with CNC control.

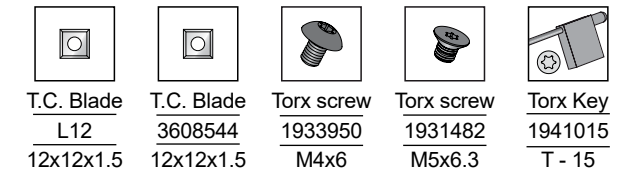


Tool No.	Dia.	Shank	B	Teeth	Length	RPM
8073745	25.4mm	8 mm	12 mm	2	53 mm	28,000
8073219	63 mm	12 mm	21 mm	3	66 mm	14,000
8073800	97 mm	20 mm	31 mm	5	86 mm	12,000

Three family groups available:

- Man-made board, non-penetrating
- Solid wood, non-penetrating
- All types of wood, penetrating (6mm)

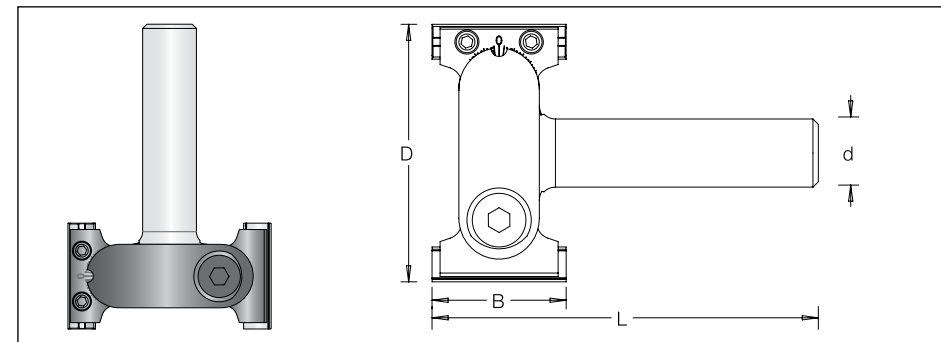
Replacement Parts:



Adjustable Bevel Router Cutter

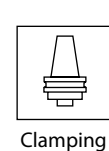
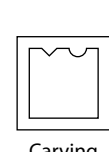
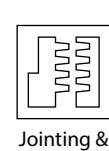
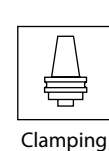
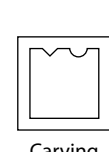
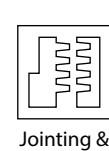
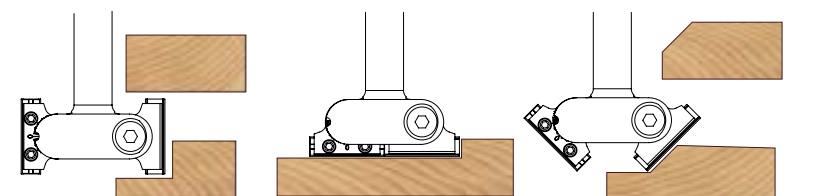
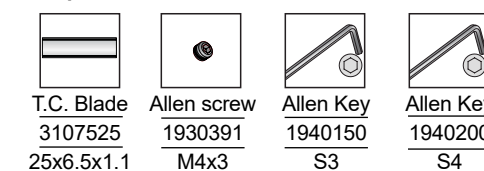
NEW

Disposable insert router cutter complete with two cutting flutes. Suitable for producing chamfer cuts at various angles in soft wood, hard wood and man-made boards. Cutting angle can be adjusted in 15° steps by using a notched scale. For use on routers and machining centers with CNC control.



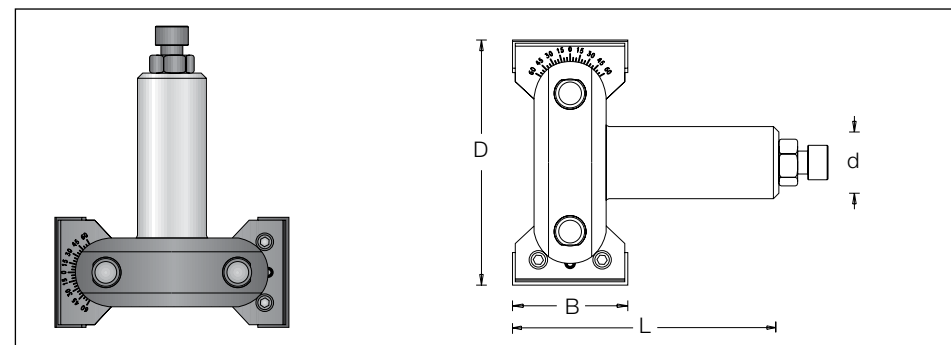
Tool No.	Dia.	Shank	B	Teeth	Length	RPM
8540028	46 mm	12.7mm	25 mm	2	72 mm	12,000

Replacement Parts:



Adjustable Bevel Router Cutter

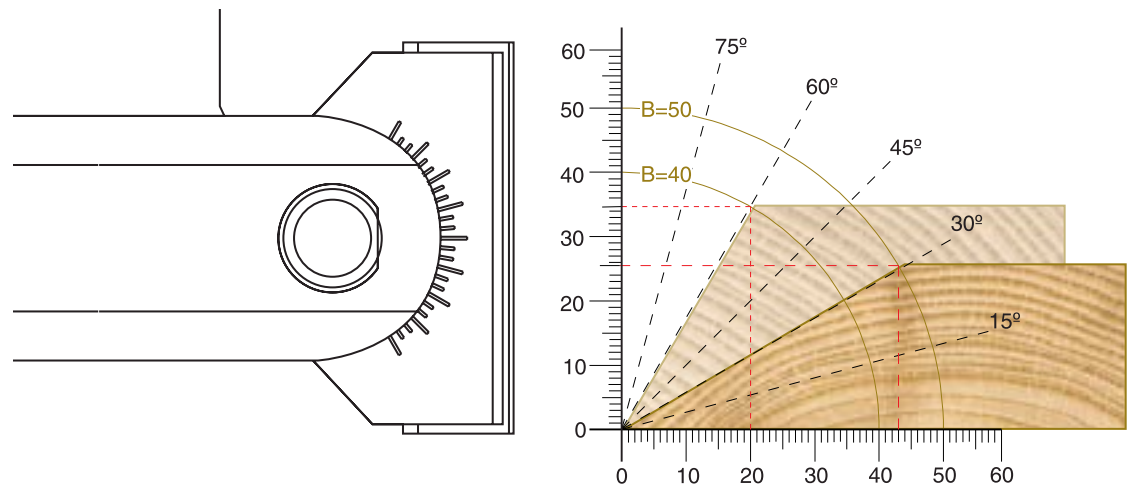
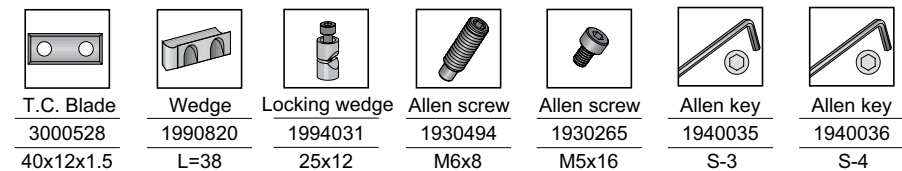
Disposable insert router cutter complete with two cutting flutes. Suitable for producing chamfer cuts at various angles in softwood, hardwood and man-made board. Cutting angle can be adjusted in 7.5° steps by using a notched scale. Fine adjustment of 1° is also possible. For use on routers and machining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



Fast tuning angle of 7.5° steps.
Fine adjustment of 1°

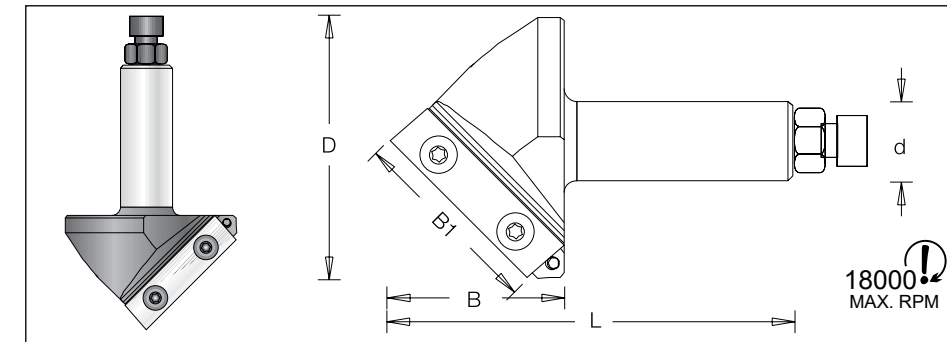
Tool No	Dia.	Shank	B	a	Length
N102R19-45	85mm	3/4"	40mm	-45° - +90°	100mm
N102R20-45	85mm	20mm	40mm	-45° - +90°	100mm

Replacement Parts:

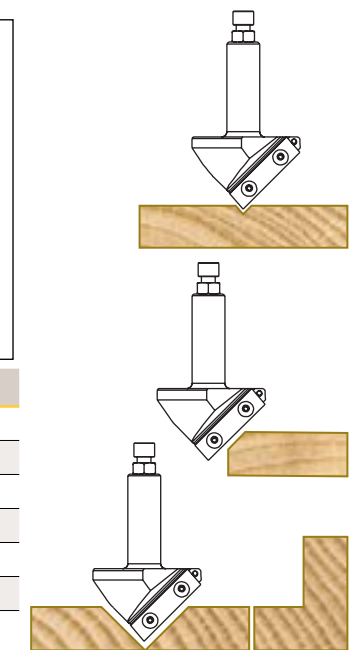


V - Groove Router Cutter

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

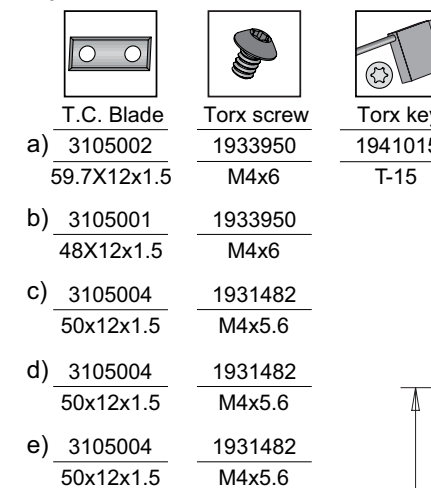


Tool No	Dia.	Shank	B	B1	Flutes	Length
N105R20-60	52.6mm	20mm	44.6mm	51.5mm *	1	111 mm
N105R20-90	66mm	20mm	33mm	47mm *	1	97 mm
N105R20-91	67mm	20mm	33mm	47mm *	1	97 mm
N105R20-120	86.6mm	20mm	25mm	50mm	2	97.5 mm
N105R20-130	90.6mm	20mm	20.8mm	50mm	2	98 mm
N105R20-150	96.6mm	20mm	13mm	50mm *	2	90.3 mm



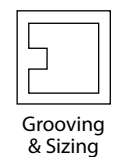
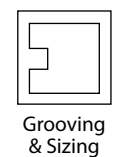
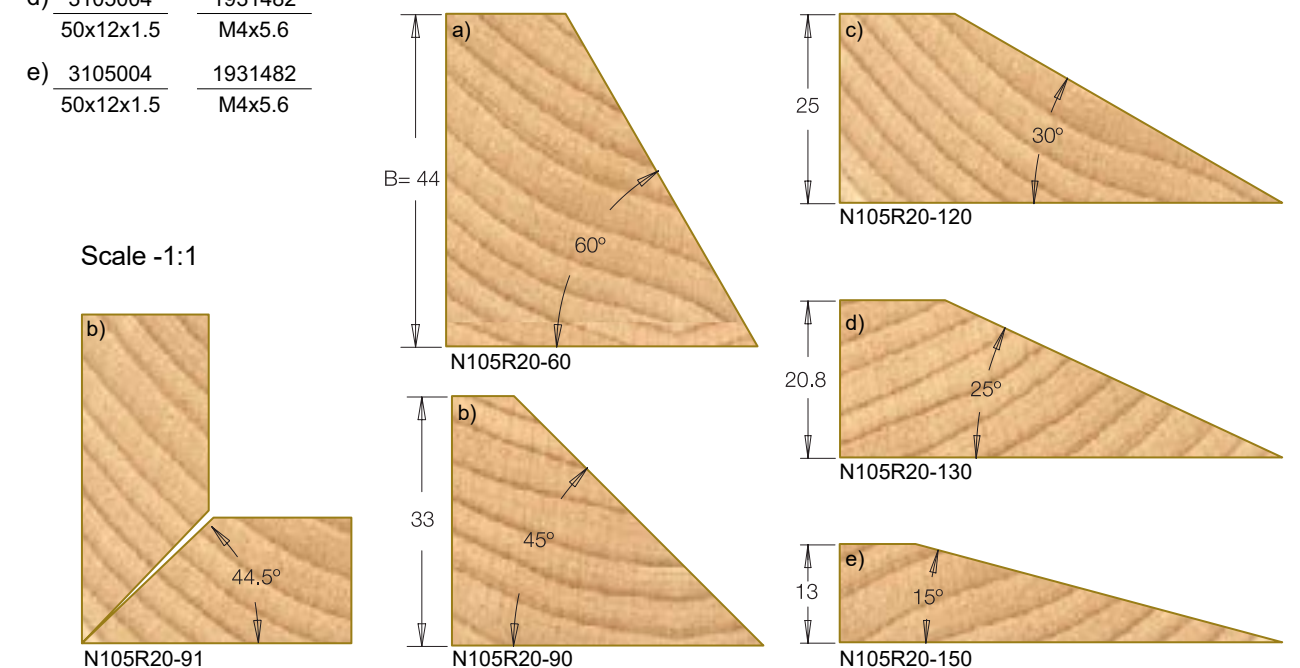
*Knives are Skewed

Replacement Parts:



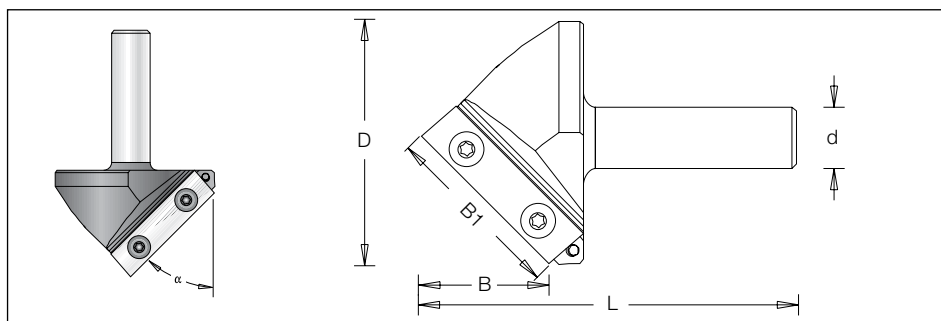
CNC Insert Carbide Knives designed to V-Groove these Materials:

Melamine, MDF, FoamCore, Aluminum Foamcare, Xanita Light Board, Plywood, Laminate, Veneered Plywood, Solid Surface, **Carbon Fiber. (For Engraving only)**

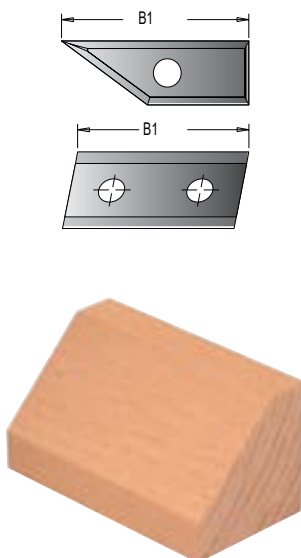


V - Groove Router Cutter

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



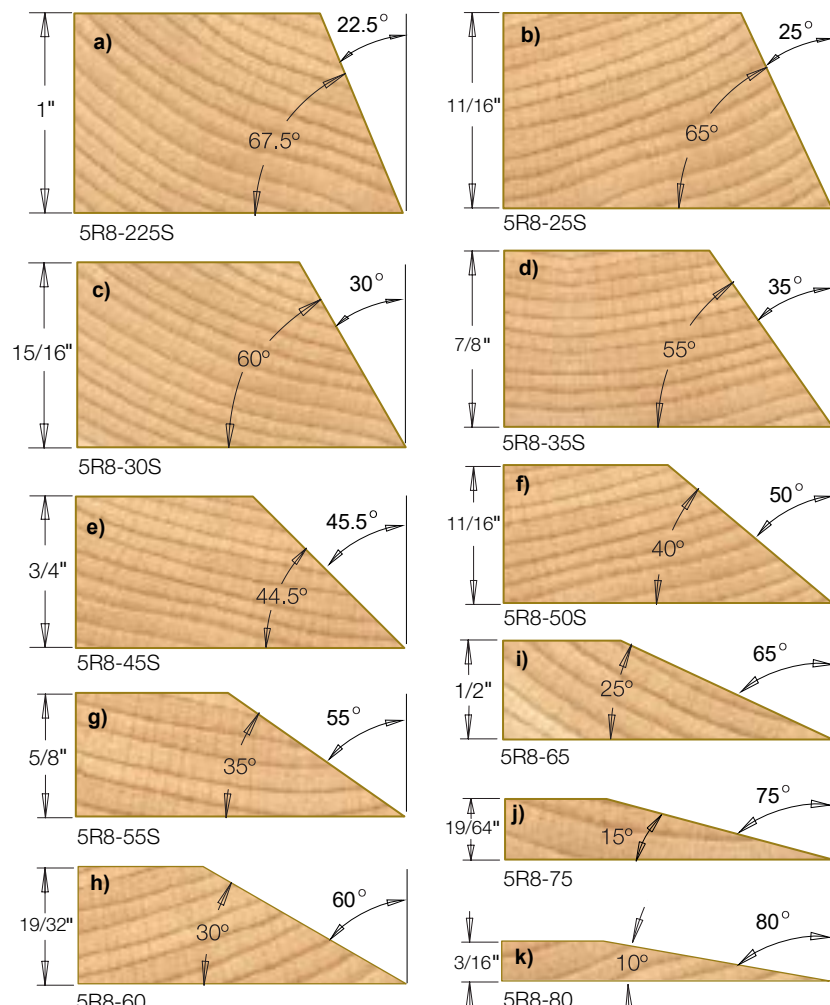
Tool No	Dia.	Shank	B	B1	a	Length	Flutes	Parts
5R8-225S	13/16"	1/2"	1"	1 1/16"	22.5°	2 3/8"	1	a
5R8-25S	7/8"	1/2"	31/32"	1 1/16"	25°	2 9/16"	1	b
5R8-30S	1"	1/2"	15/16"	1 1/16"	30°	2 3/8"	1	c
5R8-35S	1 1/4"	1/2"	7/8"	1 1/16"	35°	2 9/16"	1	d
5R8-45S	1 1/2"	1/2"	3/4"	1 1/16"	45.5°	3"	1	e
5R8-50S	1 5/8"	1/2"	11/16"	1 1/16"	50°	3 1/4"	1	f
5R8-55S	1 3/4"	1/2"	5/8"	1 1/16"	55°	3 1/4"	1	g
5R8-60	2 1/32"	1/2"	19/32"	1 3/16"	60°	3"	2	h
5R8-65	2 1/8"	1/2"	1/2"	1 11/64"	65°	3"	2	i
5R8-75	2 1/4"	1/2"	19/64"	1 11/64"	75°	2 15/16"	2	j
5R8-80	2 5/16"	1/2"	3/16"	1 11/64"	80°	2 3/4"	2	k



Scale 1:1

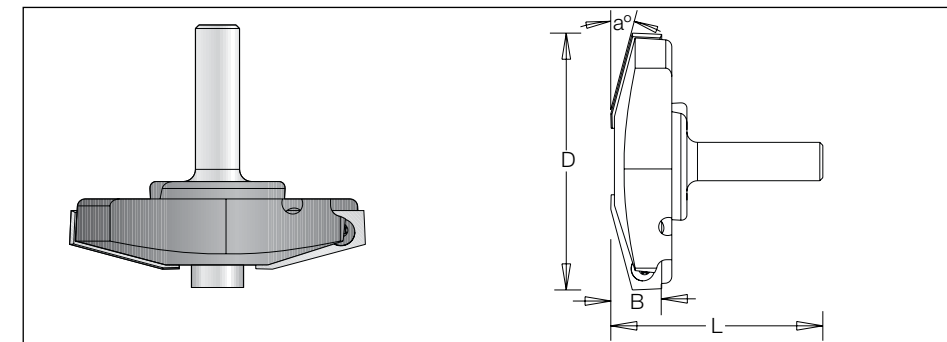
Replacement Parts:

	T.C. Blade	Torx screw	Torx key
a)	3105230 27x9x1.5	1933548 M3.5x4.8	1941015 T-15
b)	3105230 27x9x1.5	1933548 M3.5x4.8	
c)	3105230 27x9x1.5	1933548 M3.5x4.8	
d)	3105230 27x9x1.5	1933548 M3.5x4.8	
e)	3105003 28x12x1.5	1933548 M3.5x4.8	
f)	3105003 28x12x1.5	1933548 M3.5x4.8	
g)	3105003 28x12x1.5	1933548 M3.5x4.8	
h)	3105006 29.8x12x1.5	1931481 M4x5.6	
i)	3105006 29.8x12x1.5	1931481 M4x5.6	
j)	3105005 29.8x12x1.5	1931482 M4x5.6	
k)	3105005 29.8x12x1.5	1931482 M4x5.6	

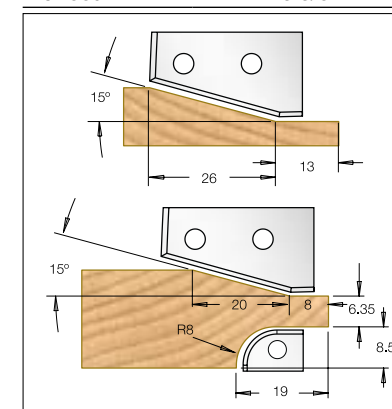


Raised Panel Router Cutter

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.

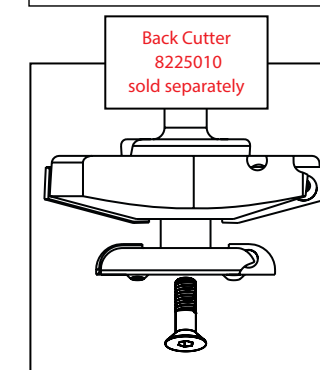
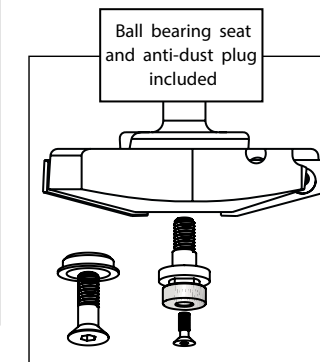


Tool No	Dia.	Shank	B	Length
26R885	3 3/8"	1/2"	3/4"	2 3/4"



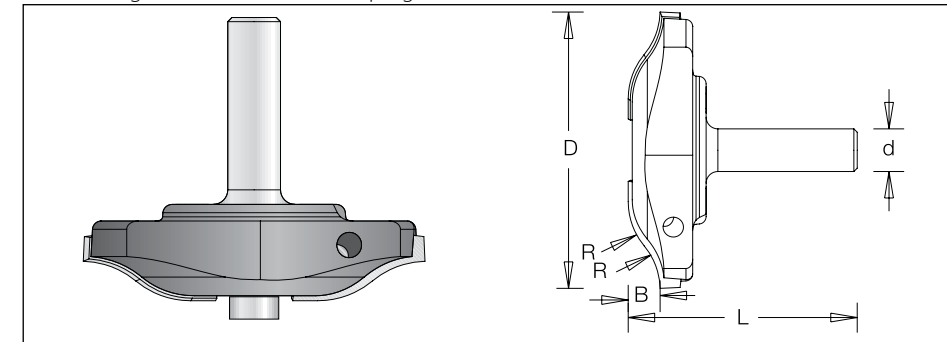
Replacement Parts:

T.C. Blade	Torx screw	Ball Bearing Set	Torx key
3122001 31x17x2	1931482 M4x5.6	1908700 12.7x4.7x5xM6	1941015 T-15
Back Cutter	T.C. Blade	Torx screw	Torx key
8225010 54X26.7X1/2"	3122003 13.9x9.5x2xR8	1934000 M3x4	1941100 T-9

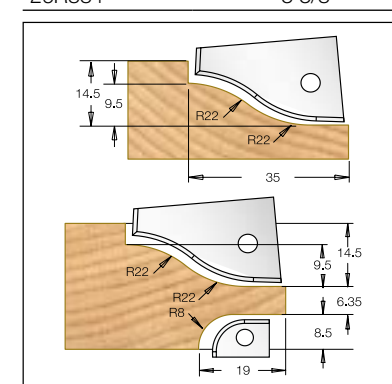


Raised Panel Router Cutter

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.

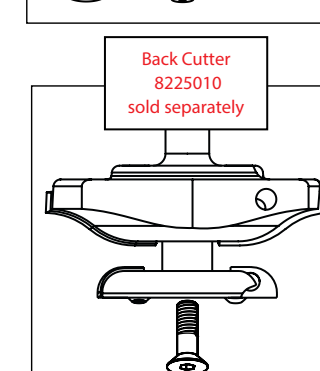
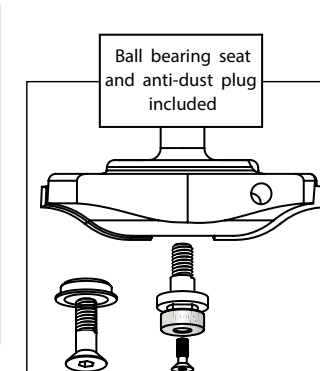


Tool No	Dia.	Shank	B	Length
26R884	3 3/8"	1/2"	3/4"	2 3/4"



Replacement Parts:

T.C. Blade	Torx screw	Ball Bearing Set	Torx key
3122005 32x20x1.5	1933950 M4 x 6	1908700 12.7x4.7x5xM6	1941015 T-15
Back Cutter	T.C. Blade	Torx screw	Torx key
8225010 54X26.7X1/2"	3122003 13.9x9.5x2xR8	1934000 M3x4	1941100 T-9



Grooving & Sizing

Grooving & Sizing



Profiling & Chamfering

Profiling & Chamfering



Door Frame & Panel

Door Frame & Panel



Jointing & Rebating

Jointing & Rebating



Carving

Carving



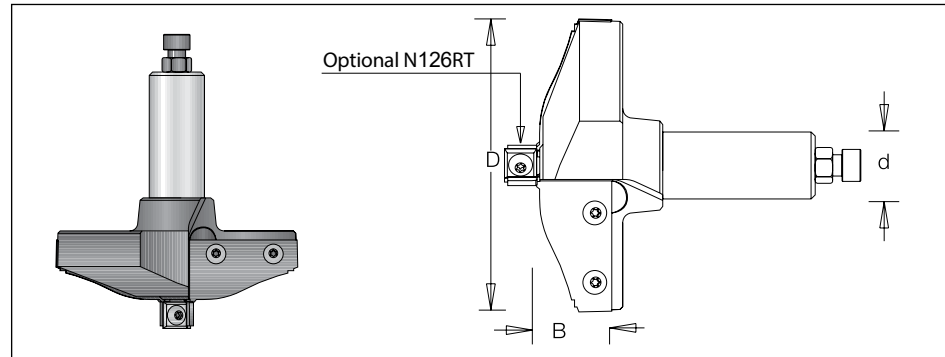
Clamping Systems & Adapters

Clamping Systems & Adapters

Multi Profile Raised Panel Router Cutter

Disposable insert profile router bit with two cutting flutes.

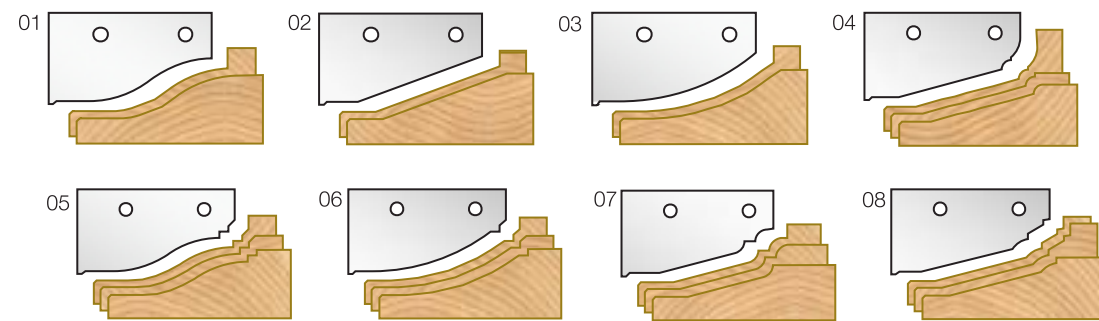
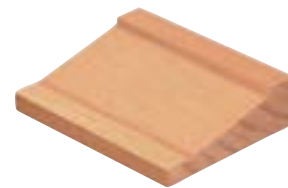
Suitable for producing various raised panel profiles in softwoods, hardwoods or man-made boards. Tool can be supplied complete with a small trimmer for machining the edge of the panel. One bit fits all eight different profiles.



Tool No	Dia.	Shank	Length
N126R19-1	112mm	3/4"	110mm
N126R19-2	112mm	3/4"	110mm
N126R19-3	112mm	3/4"	110mm
N126R19-4	112mm	3/4"	110mm
N126R19-5	112mm	3/4"	110mm
N126R19-6	112mm	3/4"	110mm
N126R19-7	112mm	3/4"	110mm
N126R19-8	112mm	3/4"	110mm
N126R20-1	112mm	20mm	110mm
N126R20-2	112mm	20mm	110mm
N126R20-3	112mm	20mm	110mm
N126R20-4	112mm	20mm	110mm
N126R20-5	112mm	20mm	110mm
N126R20-6	112mm	20mm	110mm
N126R20-7	112mm	20mm	110mm
N126R20-8	112mm	20mm	110mm

Replacement Parts:

Profile	T.C. Blade	Torx screw	Allen screw
1	3522201 50x30.5x2	1931481 M4x5.6	1930395 M4x5
2	3522202 50x30.5x2		
3	3522203 50x30.5x2	Allen key 1940200 S2	Torx key 1941015 T - 15
4	3522204 50x30.5x2		
5	3522205 50x30.5x2		
6	3522206 50x30.5x2		
7	3522207 50x30.5x2		
8	3522208 50x30.5x2		

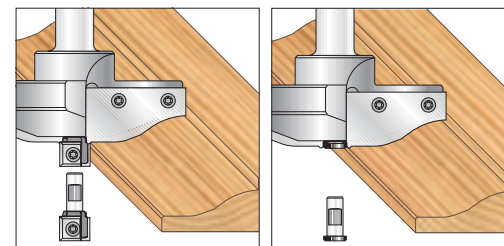


Trimmer Bit

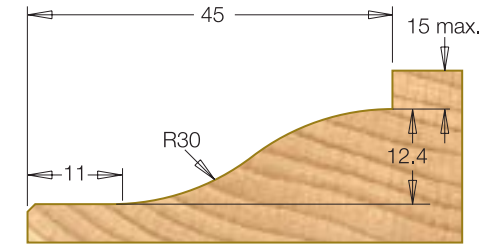
Tool No	Dia.	Shank	B	Length
N126RT	18mm	8mm	12mm	31.8mm

Replacement Parts:

T.C. Blade	Torx screw	Torx key
L12 12x12x1.5	1931482 M4x5.6	1941015 T - 15

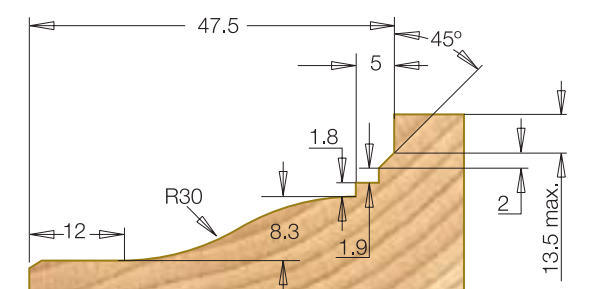


Profile 1



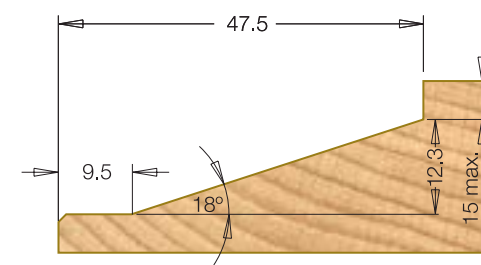
Scale - 1:1

Profile 5



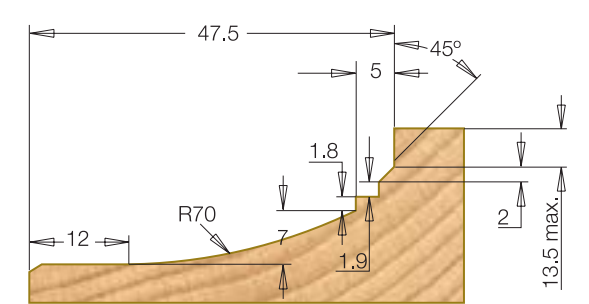
Scale - 1:1

Profile 2



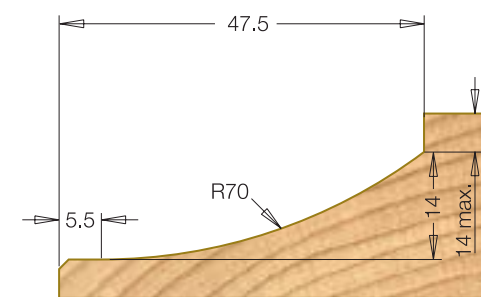
Scale - 1:1

Profile 6



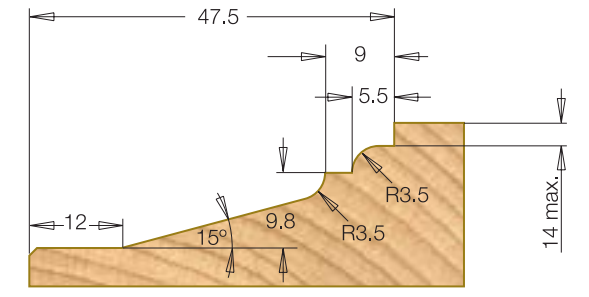
Scale - 1:1

Profile 3



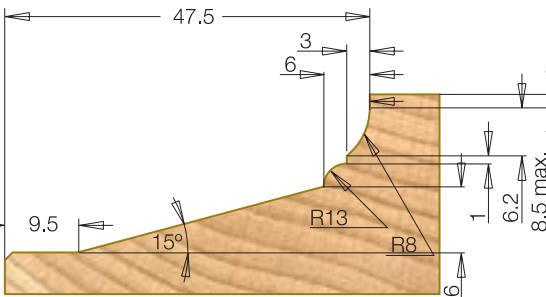
Scale - 1:1

Profile 7



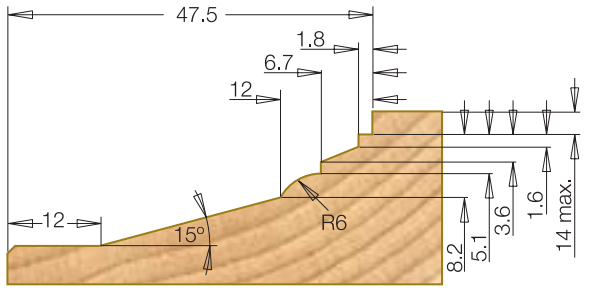
Scale - 1:1

Profile 4



Scale - 1:1

Profile 8



Scale - 1:1



Grooving & Sizing



Profiling & Chamfering



Door Frame & Panel



Joining & Rebating



Carving



Clamping Systems & Adapters



Grooving & Sizing



Profiling & Chamfering



Door Frame & Panel



Joining & Rebating



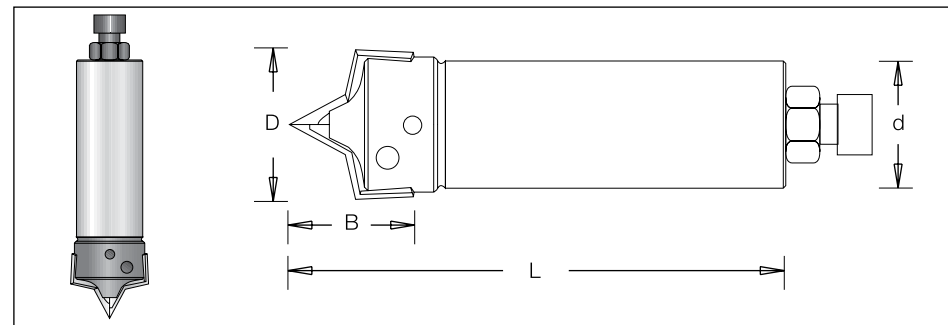
Carving



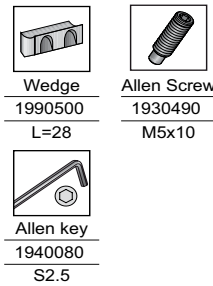
Clamping Systems & Adapters

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.

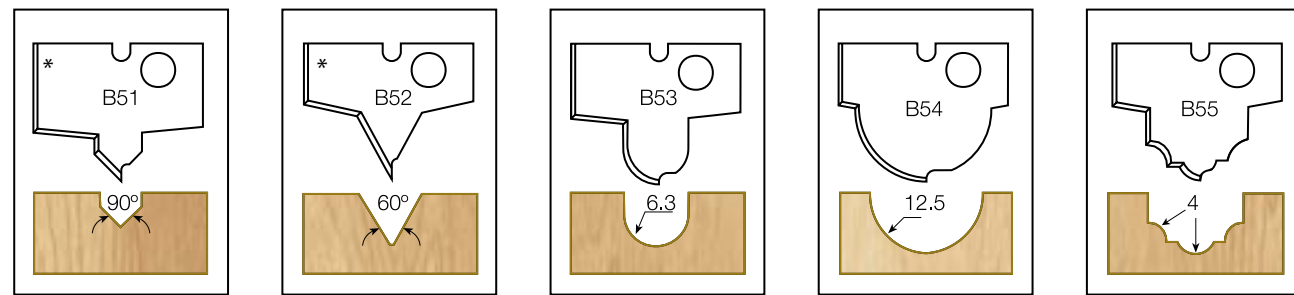


Replacement Parts:



Tool No	Dia.	Shank	B	a	R	Length
N105R20-B51 *	31.5mm	20mm	25mm	90°		89.0mm
N105R20-B52 *	31.5mm	20mm	25mm	60°		89.0mm
N105R20-B53	31.5mm	20mm	25mm		6.3mm	89.0mm
N105R20-B54	31.5mm	20mm	25mm		12.5mm	89.0mm
N105R20-B55	31.5mm	20mm	25mm		4.0mm	89.0mm

* Flat area at the bottom up to 0.6mm



Multi-Edge Profile Router cutter

Durability: Replaceable Carbide knives are harder, stronger, longer lasting and perform better on abrasive materials.

Versatility: One Router Bit gives you a wide variety of profiling options and can be used with Portable, or Industrial CNC machinery.

Safety: Chip Limitation design for safe operation. All Router bits have been tested for maximum stress by the German institute of Technology.

Service free: The Router Bits do not need sharpening. Simply replace the carbide knives.

Accuracy: Carbide knives have consistent and precise profiles for optimum and continued operation without adjustments.

Cost effective: Longer lasting knives, better performance, down time is minimal. Only Carbide Knives are replaced.

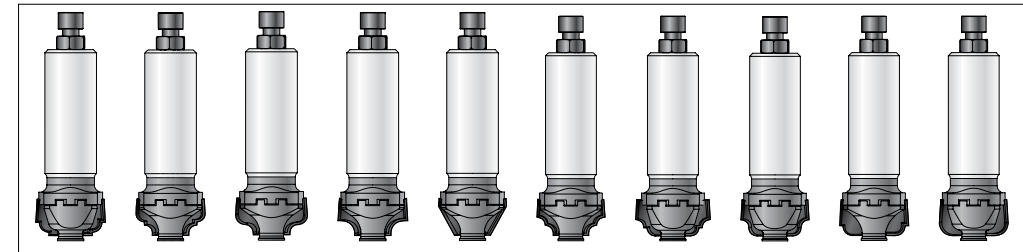
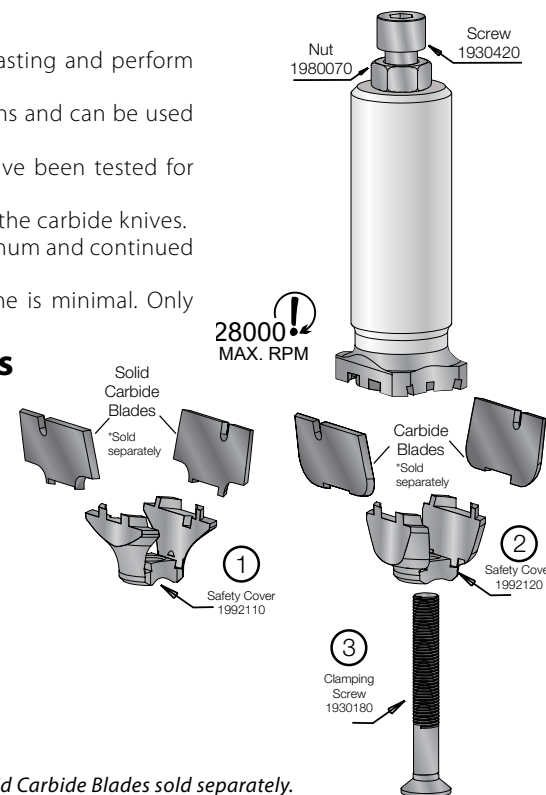
New Profile Routing Bits For CNC Machines with Replaceable Carbide Blades

This new Multi Profile System gives you a wide range of profiling options in a single Router Bit Arbor with Replaceable Carbide Tips. Simply choose one of the CNC Router Arbors as shown in the table (depends on your choice of SHANK size) and any of the shown carbide blades will fit it.

Each Arbor is a complete set supplied with all necessary parts ①+②+③ to accept any selected carbide knives. Once you own the Arbor Set, all you need to add are your choice of blades.

Tool No	Description	Dia.	Shank
8081052	Arbour only	3/4"	97.2mm
8081050	Arbour only	20mm	97.2mm
808105H	Arbour only	25mm	97.2mm

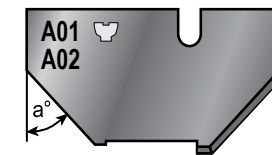
Solid Carbide Blades sold separately.



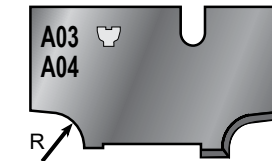
Here you will find an extensive selection of our exclusive premium line of solid carbide knives (sold & priced in pairs). All knives may be easily installed on any CNC Router Arbor on page 82

- Select the proper cover according to the icon on the blades

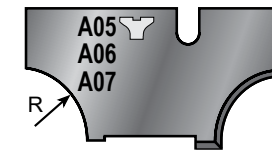
D = Diameter, Actual diameter of bits, when blades are installed.
Price per package of 2 knives.



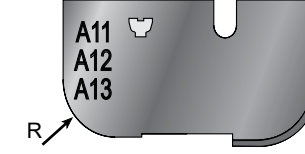
Tool No	Dia.	a
A01	1 3/8"	30°
A02	1 1/2"	45°



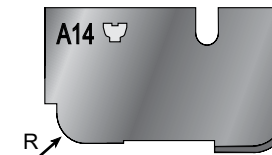
Tool No	Dia.	R
A03	1 3/8"	1/8"
A04	1 3/8"	3/16"



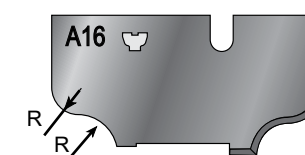
Tool No	Dia.	R
A05	1 3/8"	1/4"
A06	1 3/8"	5/16"
A07	1 1/2"	3/8"



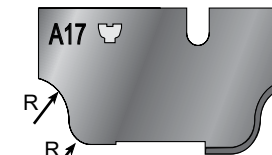
Tool No	Dia.	R
A11	1 3/8"	1/4"
A12	1 3/8"	5/16"
A13	1 1/2"	3/8"



Tool No	Dia.	R
A14	1 3/8"	3/16"



Tool No	Dia.	R	R1
A16	1 1/2"	5/32"	3/16"



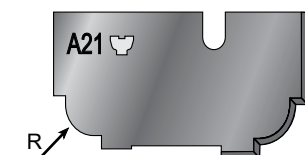
Tool No	Dia.	R
A17	1 3/8"	5/32"



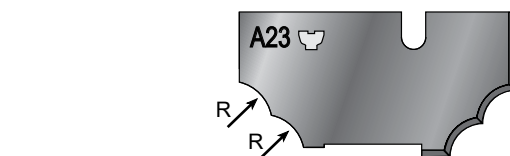
Tool No	Dia.	R
A19	1 1/2"	5/32"



Tool No	Dia.	R
A20	1 1/2"	5/32"



Tool No	Dia.	R
A21	1 3/8"	3/16"

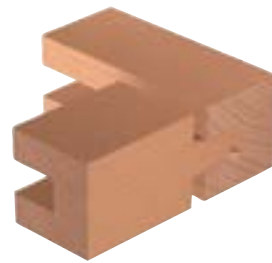


Tool No	Dia.	R
A23	1 1/2"	5/32"

Tongue & Groove 2 piece Router Bit Set, 2 Flute

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.

Tool No	Dia.	Shank	B	B1	t	Length
43R8-5 Complete Set	2 3/8"	1/2"	30mm	5.4-6.0mm	3/8"	3"
43R8-6 Complete Set	2 3/8"	1/2"	30mm	6.1-6.6mm	3/8"	3"



Scale -1:1

Complete Set

Adjustable set screw to stagger knife for the desired kerf (1930720)

Dealer Net Price in effect

Tongue Router Bit, 2 Flute

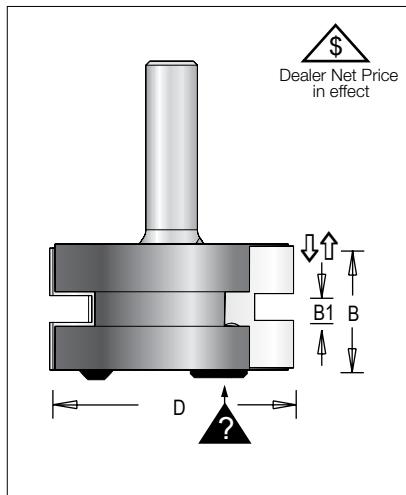
Tool No	Blade	Dia.	Shank	B	B1	t	Length
43R8-5T	A	2 3/8"	1/2"	30mm	5.4-6.0mm	3/8"	3"
43R8-6T	B	2 3/8"	1/2"	30mm	6.1-6.6mm	3/8"	3"

Replacement Parts:

T.C. Blade A	T.C. Blade B	Torx screw	Torx screw	Allen key	Torx key	Allen screw
3145005	3145018	1933559	1931481	1940200	1941015	1930720
30x22x2	30x22x2	3.5x8	M4x5.6	S2	T - 15	M6x12.5

Price per single knife

Adjustable set screw to stagger knife for the desired kerf (1930720)



Groove Router Bit, 2 Flute

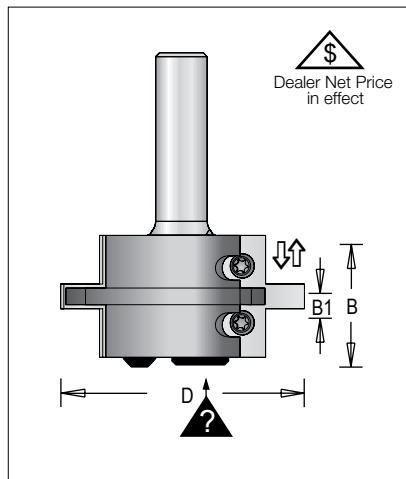
Tool No	Blade	Dia.	Shank	B	B1	t	Length
43R8-5G	A	2 3/8"	1/2"	30mm	5.4-6.0mm	3/8"	3"
43R8-6G	B	2 3/8"	1/2"	30mm	6.1-6.6mm	3/8"	3"

Replacement Parts:

T.C. Blade A	T.C. Blade B	Torx screw	Torx screw	Allen key	Torx key	Allen screw
3145015	3145019	1933559	1931481	1940200	1941015	1930720
30x22x2	30x22x2	3.5x8	M4x5.6	S2	T - 15	M6x12.5

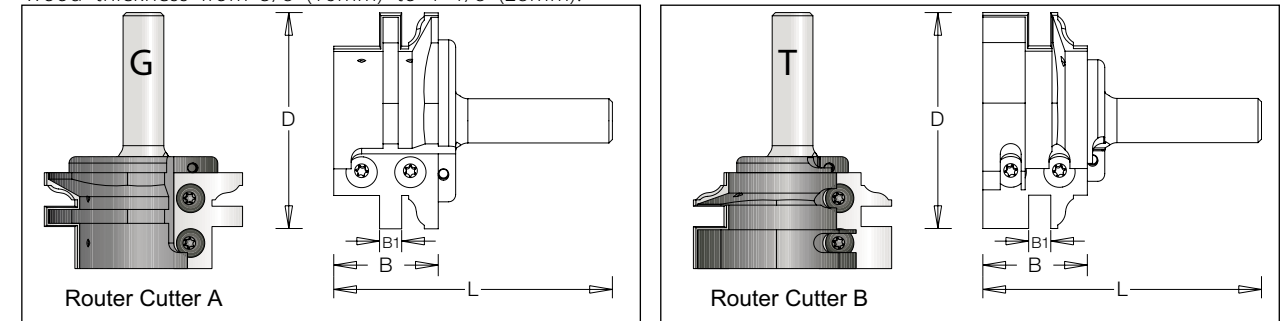
Price per single knife

Adjustable set screw to stagger knife for the desired kerf (1930720)



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, Recommended wood thickness from 5/8" (16mm) to 1 1/8" (28mm).



Start with any complete tongue and groove set, and then simply purchase additional pairs of knives from the selection below.

Tool No	Dia.	Shank	B	B1	t	Length
42R8-6A Complete Set	2 3/8"	1/2"	30mm	1/4"	3/8"	3"
42R8-6AT Tongue	2 3/8"	1/2"	30mm	1/4"	3/8"	3"
42R8-6AG Groove	2 3/8"	1/2"	30mm	1/4"	3/8"	3"

Replacement Parts:

T.C. Blade(G)	T.C. Blade(T)	Torx screw	Torx key
3145014	3145004	1933950	1941015
30x23x2	30x23x2	M4x6	T - 15

Price per single knife

Tool No	Dia.	Shank	B	B1	t	Length
42R8-6B Complete Set	2 3/8"	1/2"	30mm	1/4"	3/8"	3"
42R8-6BT Tongue	2 3/8"	1/2"	30mm	1/4"	3/8"	3"
42R8-6BG Groove	2 3/8"	1/2"	30mm	1/4"	3/8"	3"

Replacement Parts:

T.C. Blade(G)	T.C. Blade(T)	Torx screw	Torx key
3145013	3145003	1933950	1941015
30x23x2	30x23x2	M4x6	T - 15

Price per single knife

Tool No	Dia.	Shank	B	B1	t	Length
42R8-6C Complete Set	2 3/8"	1/2"	30mm	1/4"	3/8"	3"
42R8-6CT Tongue	2 3/8"	1/2"	30mm	1/4"	3/8"	3"
42R8-6CG Groove	2 3/8"	1/2"	30mm	1/4"	3/8"	3"

Replacement Parts:

T.C. Blade(G)	T.C. Blade(T)	Torx screw	Torx key
3145011	3145001	1933950	1941015
30x23x2	30x23x2	M4x6	T - 15

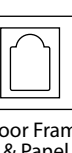
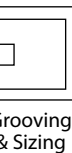
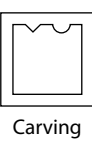
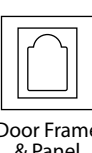
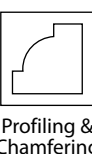
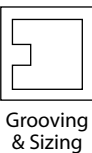
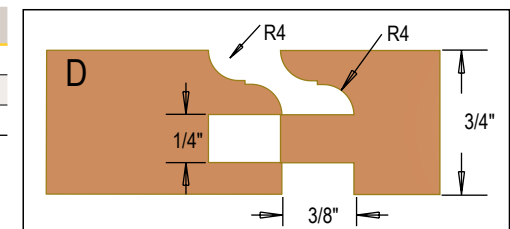
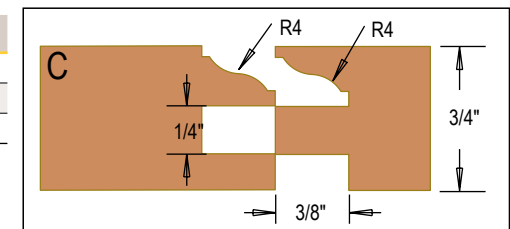
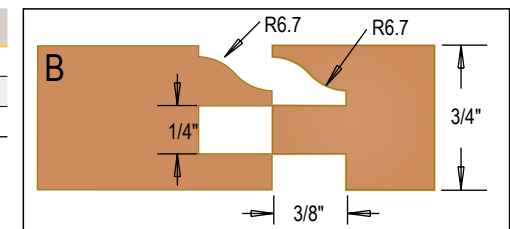
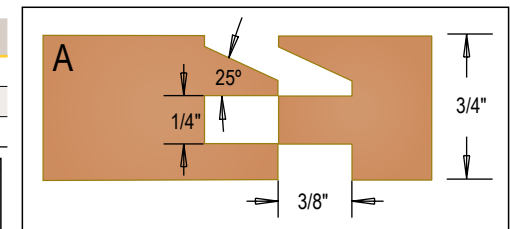
Price per single knife

Tool No	Dia.	Shank	B	B1	t	Length
42R8-6D Complete Set	2 3/8"	1/2"	30mm	1/4"	3/8"	3"
42R8-6DT Tongue	2 3/8"	1/2"	30mm	1/4"	3/8"	3"
42R8-6DG Groove	2 3/8"	1/2"	30mm	1/4"	3/8"	3"

Replacement Parts:

T.C. Blade(G)	T.C. Blade(T)	Torx screw	Torx key
3145012	3145002	1933950	1941015
30x23x2	30x23x2	M4x6	T - 15

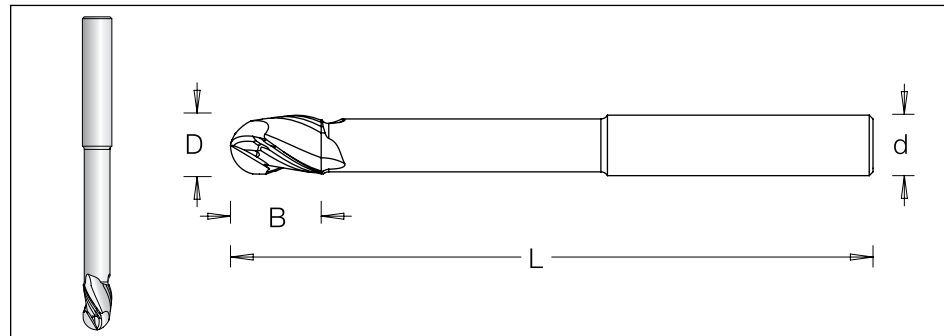
Price per single knife



Solid Carbide Radius Grooving / Ball Nose Endmill

NEW

Solid tungsten carbide router, suitable for round corner, edges, pockets and 3D curving. For use in all types of materials such as MDF, plastics and aluminium. All tools made with neck clearance for deep cuts.

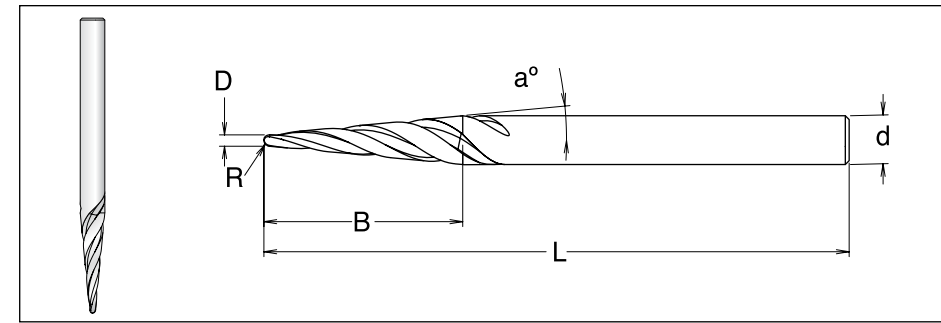


Tool No.		Imperial				
Uncoated	Dia	B	Shank	Flutes	Length	
73034064	1/4"	3/8"	1/4"	3	3"	
7303407Z	5/16"	1/2"	5/16"	3	3 1/2"	
73034086	3/8"	5/8"	3/8"	3	4"	
73034098	1/2"	3/4"	1/2"	3	5"	
7303410Z	5/8"	1"	5/8"	4	6 1/2"	

Tool No.		Metric				
Uncoated	Dia	B	Shank	Flutes	Length	
73034013	6mm	6mm	6mm	3	80mm	
73034025	8mm	8mm	8mm	3	85mm	
73034037	10mm	10mm	10mm	3	100mm	
73034049	12mm	12mm	12mm	3	100mm	
7303405E	16mm	16mm	16mm	4	150mm	

Spiral Taper Ball Nose For Plastic & Non Ferrous Metals

NEW



Tool No.	Dia	B	a°	R	Flutes	Length	Shank	RPM
SOT1060204	1.6mm	25.4mm	5.4°	0.8mm	3	76.2mm	6.35mm	35,000
SOT1060214	3.2mm	12.7mm	7°	1.6mm	3	76.2mm	6.35mm	35,000
SOT1060224	3.2mm	25.4mm	3.6°	1.6mm	3	76.2mm	6.35mm	35,000
SOT1060234	3.2mm	38.1mm	1°	1.6mm	3	76.2mm	6.35mm	35,000
SOT1060248	6.35mm	25.4mm	7°	3.2mm	4	101.6mm	12.7mm	35,000
SOT1060258	6.35mm	50.8mm	3°	3.2mm	4	101.6mm	12.7mm	35,000



Grooving & Sizing



Profiling & Chamfering



Door Frame & Panel



Jointing & Rebating



Carving



Clamping Systems & Adapters



Grooving & Sizing



Profiling & Chamfering



Door Frame & Panel



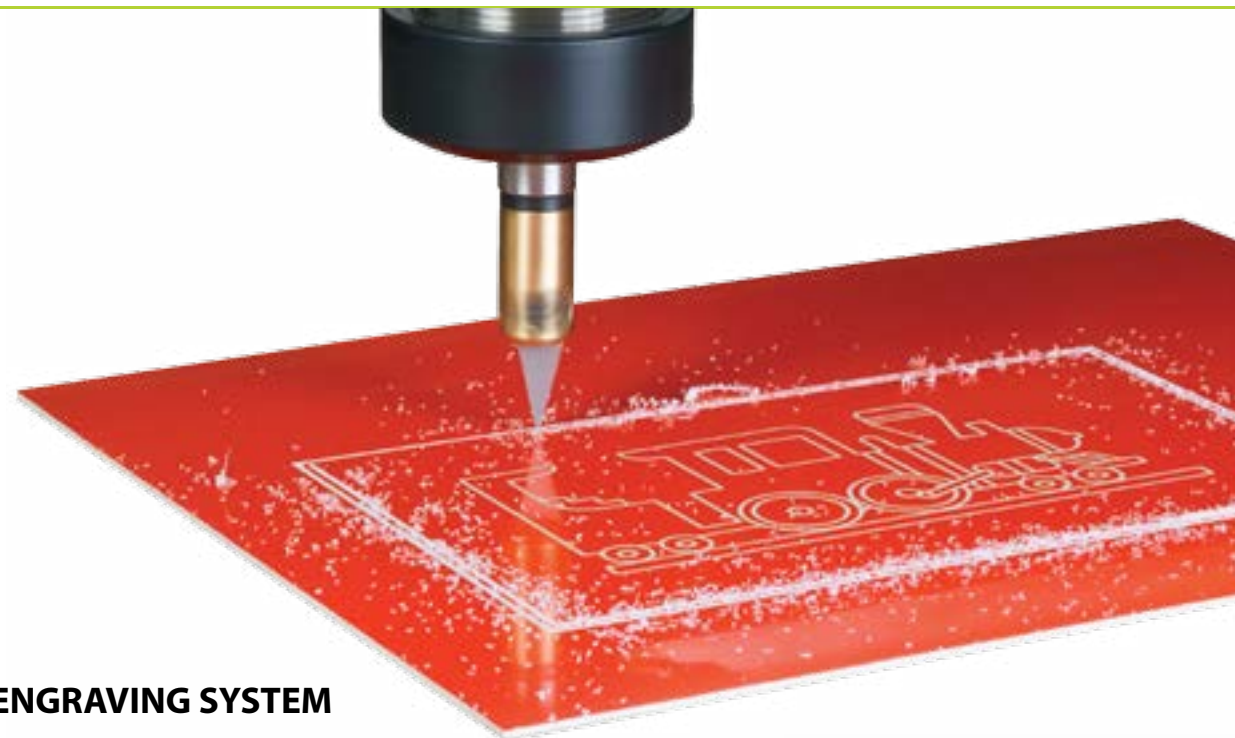
Jointing & Rebating



Carving



Clamping Systems & Adapters



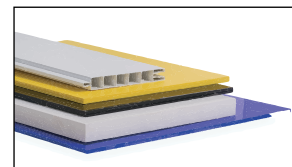
ENGRAVING SYSTEM



The versatile Engraving Insert System features one tool body with 40 unique insert knives of the highest industrial quality, to ensure cleaner cuts and longer life than most other standard solid router bits.

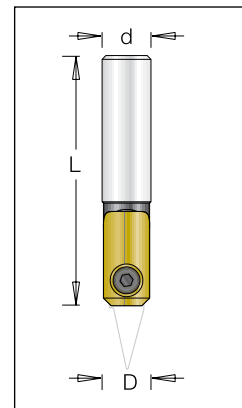
Designed for a wide variety of applications including straight cut, core box, round corner, V-groves and cutting & chamfering. Ideal for cutting laminated materials, veneers, MDF, plastics, wood and solid surfaces.

The system was specially engineered to enable a quick, easy exchange of inserts while mounted in CNC machines; eliminating setup-time while maintaining consistent cutting accuracy. The balanced design minimizes vibration resulting in superior cutting.



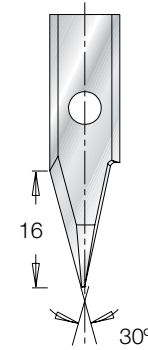
Code No.	D	Shank	Length
G1853X04*	12mm	1/4"	65mm
G1853X08*	12mm	1/2"	65mm

*Body only.



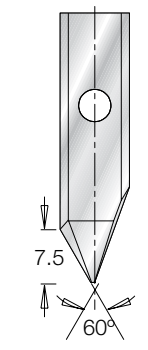
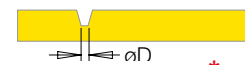
Engraving System Insert Knives

Scale -1:1



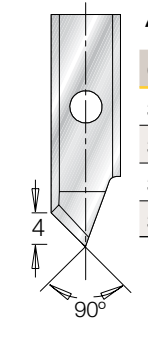
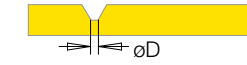
"V" Groove 30°

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



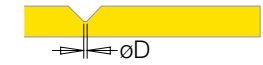
"V" Groove 60°

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

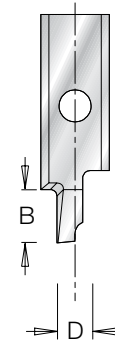


"V" Groove 90°

Code No.	D
3185014	0.12mm
3185015	0.24mm
3185016	0.5mm
3185017	1.0mm

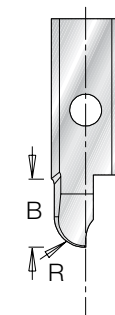


*Only for use with controllable feed rate machines.



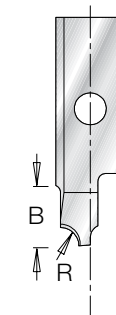
Straight

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



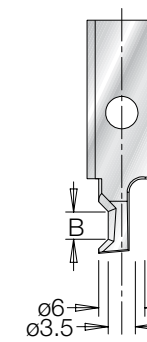
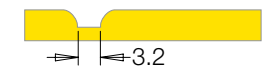
Core Box

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



Corner Round

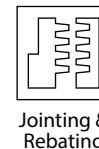
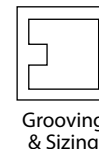
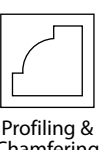
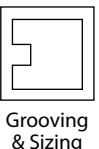
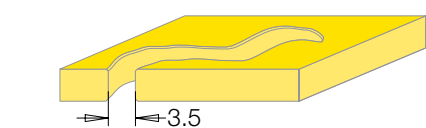
Code No.	R	B
3185025	1.6mm	8mm
3185026	2.4mm	8mm
3185027	3.2mm	8mm



Cutting and Chamfering

Code No.	B	Code No.	B
3185040	0.5mm	3185043	4.3mm
3185036	1.0mm	3185013	4.6mm
3185002	1.5mm	* 3185003	5mm
3185037	1.8mm	* 3185044	5.5mm
3185041	2.3mm	* 3185038	6.3mm
3185042	3.3mm	* 3185039	8.3mm
3185012	3.6mm		

* Only for Chamfer operation.

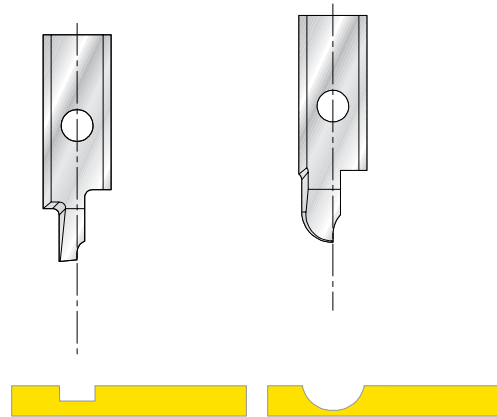


Engraving system

Engraving system feed rates.

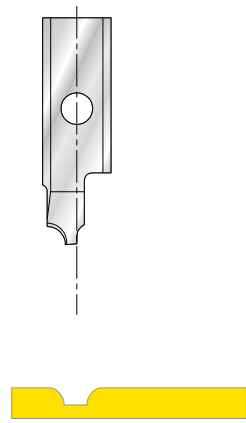
Straight and core box max feed Vars. RPM (cutting depth 1D) mm/min

Head diameter (in)	0.125"	0.187"	0.250"	0.312"
Rotation speed (RPM)	Recommended feed rate in (in/min)			
6000	23.622	30.709	35.433	42.520
7000	27.559	35.827	41.339	49.606
8000	31.496	40.945	47.244	56.693
9000	35.433	46.063	53.150	63.780
10000	39.370	51.181	59.055	70.866
11000	43.307	56.299	64.961	77.953
12000	47.244	61.417	70.866	85.039
13000	51.181	66.535	76.772	92.126
14000	55.118	71.654	82.677	99.213
15000	59.055	76.772	88.583	106.299
16000	62.992	81.890	94.488	113.386
17000	66.929	87.008	100.394	120.472
18000	70.866	92.126	106.299	127.559
19000	74.803	97.244	112.205	134.646
20000	78.740	102.362	118.110	141.732
21000	82.677	107.480	124.016	148.819
22000	86.614	112.598	129.921	155.906
24000	94.488	122.835	141.732	170.079
25000	98.425	127.953	147.638	177.165
26000	102.362	133.071	153.543	184.252
27000	106.299	138.189	159.449	191.339
28000	110.236	143.307	165.354	198.425



Round corner recommended feed Vars. RPM mm/min

Knife radius (in)	.0625"	.094"	0.125"
Rotation speed (RPM)	Recommended feed rate (in/min)		
6000	59.055	51.969	47.244
7000	68.898	60.630	55.118
8000	78.740	69.291	62.992
9000	88.583	77.953	70.866
10000	98.425	86.614	78.740
11000	108.268	95.276	86.614
12000	118.110	103.937	94.488
13000	127.953	112.598	102.362
14000	137.795	121.260	110.236
15000	147.638	129.921	118.110
16000	157.480	138.583	125.984
17000	167.323	147.244	133.858
18000	177.165	155.906	141.732
19000	187.008	164.567	149.606
20000	196.850	173.228	157.480
21000	206.693	181.890	165.354
22000	216.535	190.551	173.228
24000	236.220	207.874	188.976
25000	246.063	216.535	196.850
26000	255.906	225.197	204.724
27000	265.748	233.858	212.598
28000	275.591	242.520	220.472
28000	7000	6160	5600



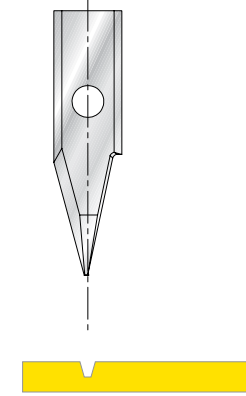
Engraving system

Engraving system feed rates.

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

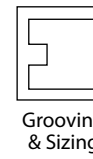
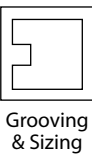
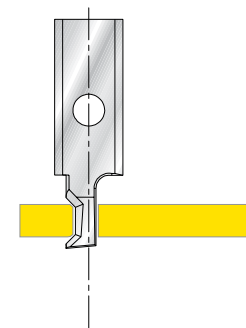
Head diameter (in)	0.003"	0.009"	0.019"	0.029"	0.039"	0.059"
Rotation speed (RPM)	Max. feed rate in/min					
6000	18.898	47.244	94.488	141.732		
7000	22.047	47.244	110.236			
8000	25.197	47.244	125.984			
9000	28.346	47.244	141.732			
10000	31.496	47.244	157.480			
11000	34.646	47.244				
12000	37.795	47.244				
13000	40.945	47.244				
14000	44.094	47.244				
15000	47.244	47.244				
16000	50.394	47.244				
17000	53.543	47.244				
18000	56.693	47.244				
19000	59.843	47.244				
20000	62.992	47.244				
21000	66.142	47.244				
22000	69.291	47.244				
24000	75.591	47.244				
25000	78.740	47.244				
26000	81.890	47.244				
27000	85.039	47.244				
28000	88.189	47.244				

NO LIMIT



Sizing and chamfering recommended feed Vars. RPM mm/min

Material thickness (in)	0.078"	0.118"	0.181"	0.220"	0.236"	0.283"	0.314"
Rotation speed (RPM)	Recommended feed rate (in/min)						
6000	59.055	51.969	47.244	42.520	59.055	51.969	47.244
7000	68.898	60.630	55.118	49.606	68.898	60.630	55.118
8000	78.740	69.291	62.992	56.693	78.740	69.291	62.992
9000	88.583	77.953	70.866	63.780	88.583	77.953	70.866
10000	98.425	86.614	78.740	70.866	98.425	86.614	78.740
11000	108.268	95.276	86.614	77.953	108.268	95.276	86.614
12000	118.110	103.937	94.488	85.039	118.110	103.937	94.488
13000	127.953	112.598	102.362	92.126	127.953	112.598	102.362
14000	137.795	121.260	110.236	99.213	137.795	121.260	110.236
15000	147.638	129.921	118.110	106.299	147.638	129.921	118.110
16000	157.480	138.583	125.984	113.386	157.480	138.583	125.984
17000	167.323	147.244	133.858	120.472	167.323	147.244	133.858
18000	177.165	155.906	141.732	127.559	177.165	155.906	141.732
19000	187.008	164.567	149.606	134.646	187.008	164.567	149.606
20000	196.850	173.228	157.480	141.732	196.850	173.228	157.480
21000	206.693	181.890	165.354	148.819	206.693	181.890	165.354
22000	216.535	190.551	173.228	155.906	216.535	190.551	173.228
24000	236.220	207.874	188.976	170.079	236.220	207.874	188.976
25000	246.063	216.535	196.850	177.165	246.063	216.535	196.850
26000	255.906	225.197	204.724	184.252	255.906	225.197	204.724
27000	265.748	233.858	212.598	191.339	265.748	233.858	212.598
28000	275.591	242.520	220.472	198.425	275.591	242.520	220.472



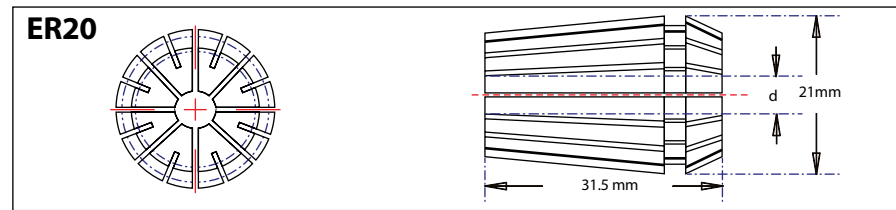
Collets

Collets are purposely manufactured from softer metal than tool holders. They feature special slots allowing them to “collapse” and “spring” to tightly grip the cutting tool. As a result, they will wear out faster than the holders will. Worn collets will cause cutting tools to fail prematurely, costing manufacturers thousands of dollars in preventable costs. Collets should be replaced whenever wear is evident so the accuracy and performance of the cutting tool and tool holder assembly is maintained.

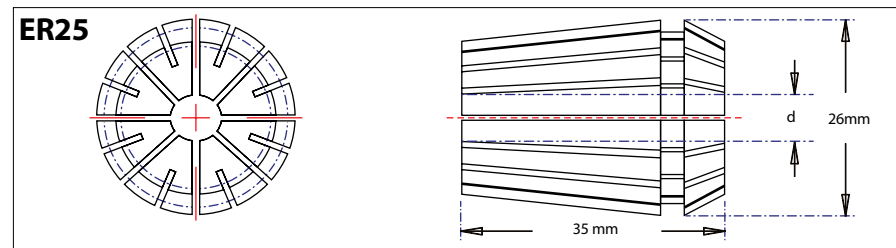
While there is no standard rule of thumb for replacing a collet, some common causes to replace them would include: If a tool is broken off while in the collet and it has scored or marked the inside or outside of the collet in any way, it should be replaced. If noticeable marking is evident on the cutting tool shank, a condition called “fretting” may be occurring. Fretting happens when two steel parts are rubbing against one another.

It is visible as small copper or dark black colored pits or marks and this is evidence that the tool holder is becoming worn. Fretting is easily mistaken for rust. Once noticeable fretting develops the tool holder should be replaced immediately.

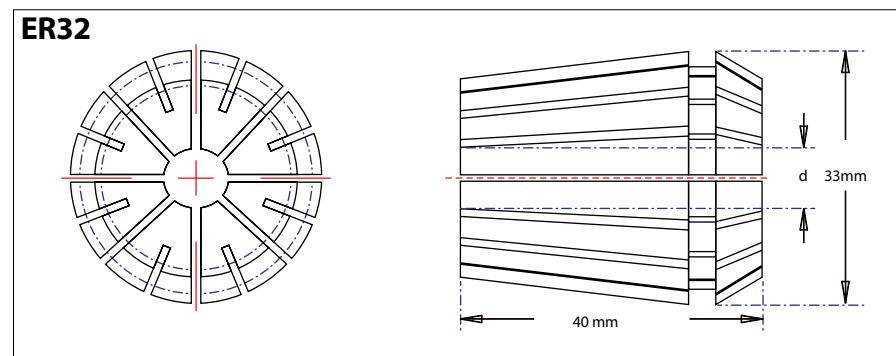
Tool no.	d
N6152018	1/8"
N61520316	3/16"
N6152014	1/4"
N61520516	5/16"
N6152038	3/8"
N6152012	1/2"



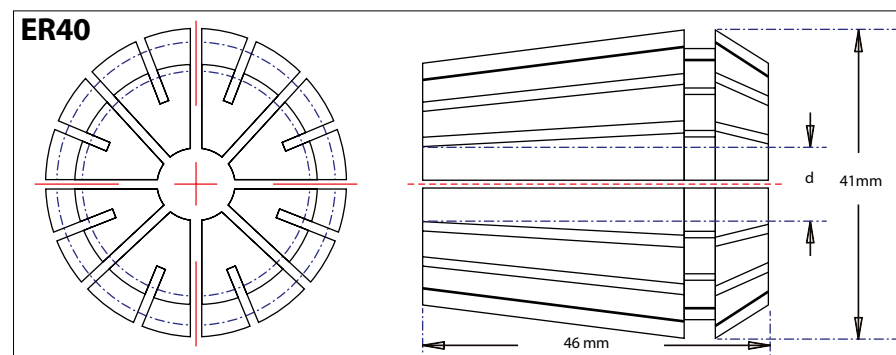
Tool no.	d
N6152518	1/8"
N61525316	3/16"
N6152514	1/4"
N61525516	5/16"
N6152538	3/8"
N6152512	1/2"



Tool no.	d
N615041	3-4mm
N61532316	1/8"
N615044	3/16"
N615012	6-7mm
N61532516	1/4"
N615013	7-8mm
N615010	5/16"
N6153238	8mm
N615009	10mm
N615053	3/8"
N615056	1/2"
N6153234	3/4"
N6153220	20mm



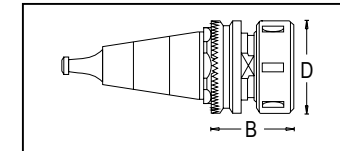
Tool no.	d
N615060	3-4 mm (1/8")
N615065	8 mm
N61540316	3/16"
N6154014	1/4"
N615007	10 mm
N61540516	5/16"
N6154038	3/8"
N615006	1/2"
N615003	19-20 mm
N6154034	3/4"
N615077	20-21 mm
N615001	25-26 mm



Tool holder for CNC machine

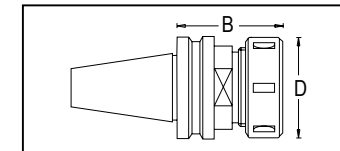
Complete range of high precision CNC chucks and arbors suitable for all popular makes of machines and production environment. Chucks & arbors are supplied complete with clamping nuts. Pull studs, collets & spanners are sold separately

Morse Adapter for ER 32 collet



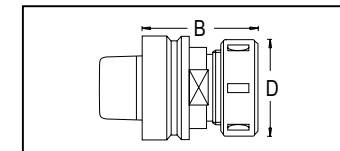
Tool No.	Adapter standard	D	B	Collet Standard
N641010	ISO30	50mm	55mm	ER32

ISO Tool Holder with Pull Stud for Morbidelli Machines

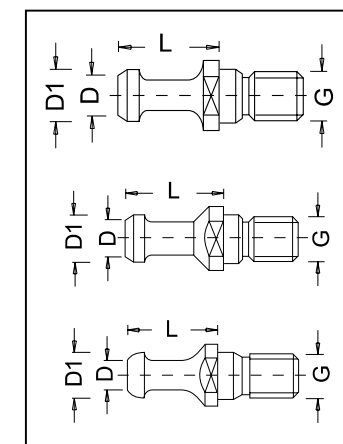


Tool No.	Adapter standard	D	B	Collet Standard
N641011	ISO 30	50mm	42mm	ER32
N641021	ISO 40	50mm	63mm	ER 32

ISO Tool Holder

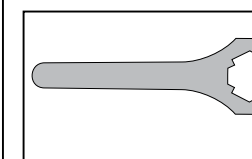


Tool No.	Adapter standard	D	B	Collet Standard
N641031	HSK63-F	50mm	76mm	ER32
N641030	HSK63-F	63mm	76mm	ER40



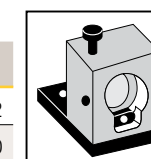
Pullstud for Machines

Tool No.	Adapter	D1	D	G	L	For Machine
N650014	ISO 30	12mm	8mm	M12	24mm	Esseteam
N650015	ISO 30	12.8mm	9mm	M12	24mm	CMS
N650018	ISO 30	12mm	8mm	M12	24mm	Biesse (After 09/92), Masterwood



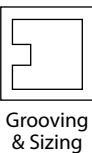
Key

Tool No.	D
N631004	For ER32
N631003	For ER40



Tightening Device

Tool No.	D
N642001	For ISO 30 Tool Holder



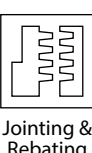
Grooving & Sizing



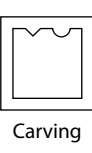
Profiling & Chamfering



Door Frame & Panel



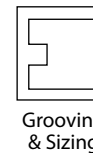
Jointing & Rebating



Carving



Clamping Systems & Adapters



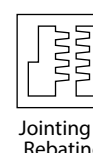
Grooving & Sizing



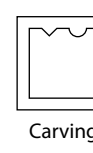
Profiling & Chamfering



Door Frame & Panel



Jointing & Rebating



Carving



Clamping Systems & Adapters