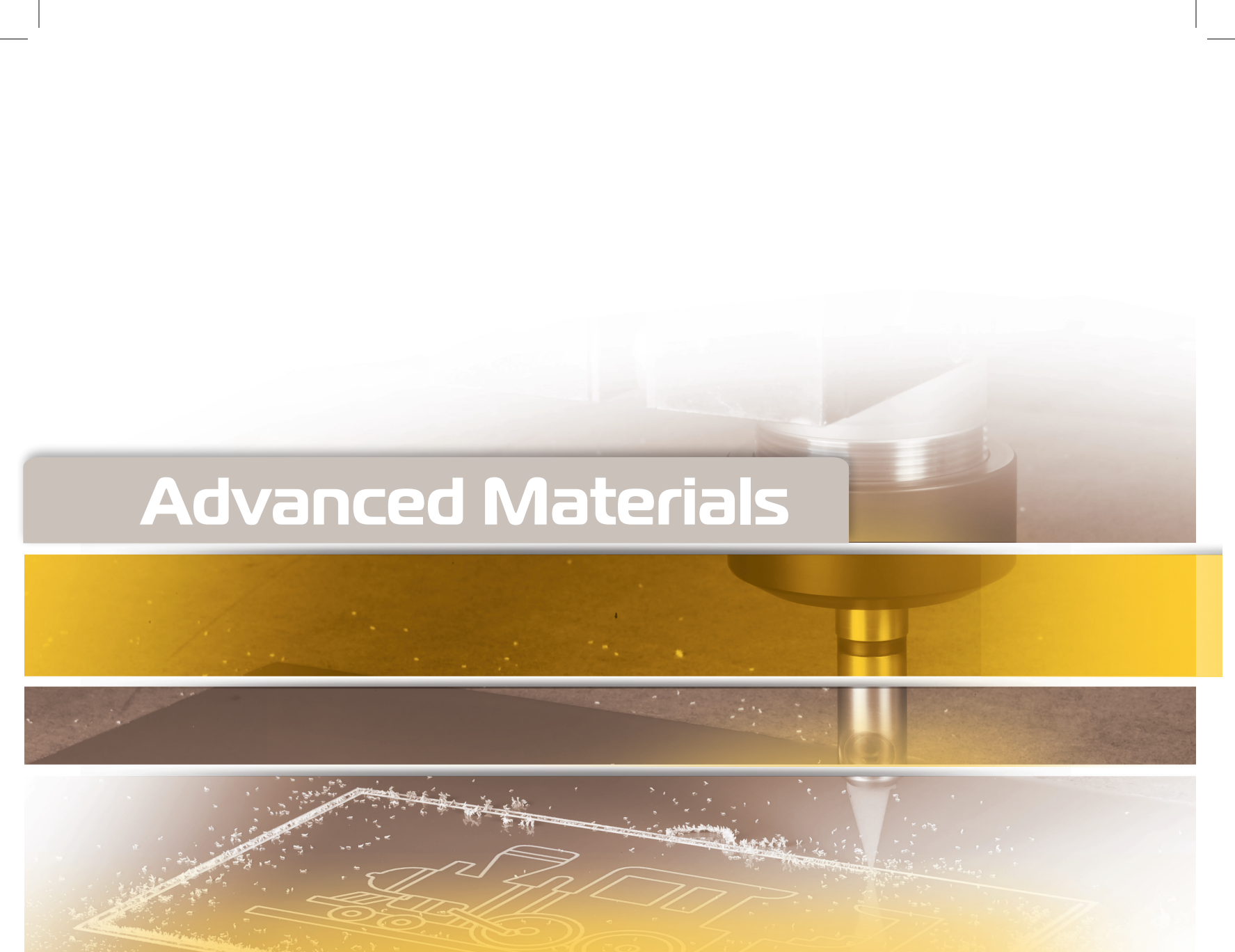




Advanced Materials

A comprehensive range of circular saws, cutters and router bits for processing on plastic, aluminum and solid surface materials.

- Tools for sizing, carved routing and surface engraving of plastics.
- Sizing and carve routing of aluminum.
- Tools for cutting and routing solid surface material.

Carbide type, tool geometry, grinding and cutting edge finish giving longer lifetime and superior cutting quality.



OTHER MATERIALS INDEX

Illustrated Visual Index	334
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Solid Surface Materials	345 - 357
Aluminum	356 - 361

Advanced Materials



Plastic



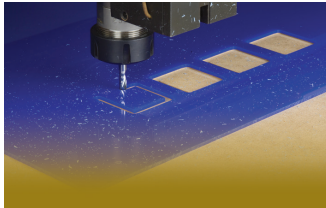
Corian



Aluminum

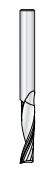


Composites



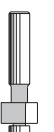
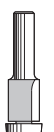
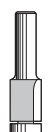
Plastic (Page: 335-344)
Saw Blocks & Routers for Plastic

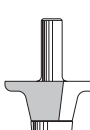
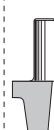
			
	336	337	338

				
#1854 339	#1855 339	#1850 340	#1870 340	#1854 341-344



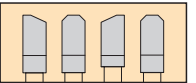
Solid Surface Materials (Page: 345-357)
Routers for Fabricating Solid Surface Materials

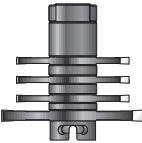
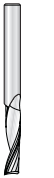
												
#1250 346	#1540 346	#1014 347	#1014 347	#1072 348	#1510 348	#1031 349	#1040 349	#1612 349	#1520 350	#1612 350	#1530 350	#1530 351

														
#1530 351	#1130 351	#1550 352	#1553 352	#1550 352	#1554 353	#1564 353	#1564 354	#1062 354	#1590 355	#1592 355	#1594 355	#1621 356	#1600 356	#1084 357

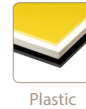


Aluminum (Page: 358-3361)
Saw Blades & Routers for Aluminum

			
	358	359	360

		
#902 360	#1855 361	#1854 361

PLASTIC



Plastic



Corian



Aluminum



Composites

Plastic

Generic name for materials made from Polymer chains

There is enormous variety of plastics. Various combinations of Polymer structures & sizes could create new mechanical properties. Those different materials are spread over the complete scale of each property (very soft to very hard, clear to blank, heat sensitivity to heat resistance, e.g.). No doubt it is difficult to define the exact cutting condition of rotation speed in related to the cutting feed.

Kindly, refer to a couple guidelines to optimize cutting process:

- The larger the chip size, the larger the tool lifetime.
- For "elastic/soft" material, we highly recommend to work with a minimal number of cutting edges; For Instance, it is preferable to work with 1 flute, not with 2 flutes.
- For "hard/ breakable" material, it is preferable to use with additional cutting edges; for instance: Using 300 diameter saw with 96 teeth, not 60 teeth.
- Tools for use in plastics are characterized by extremely sharp cutting angles. Carbide tips is required to support an angle in order not to crumble during cutting.

In order to define the material it is recommended to use the table below:

Polymer	Tensile Strength MPa	(%) Elongation	Tensile Modulus MPa
HDPE	21-35	15-100	700-1400
LDPE	7-21	50-800	100-250
PP	30-40	150-600	
PS	33-35	1-4	2400-3350
PVC	35-63	2-30	2000-4200
ABS	35-48	15-80	1750-2500
PA 6/6	84	60-100	2070-3245
PA 6/12	62	150-340	2100
PC	63	110	2400
PMMA	55-75	5	2400-3100
Polyester	56	300	2400
Polysulfones	70.3	5-6	2482
PEEK	100	40	3900
PET	45-145		2300-10300
PVDC	19	350	345-552
Cellulosics	14-15	6-60	690-2100
PAI	125-185	5-12	710-4900
Polyacrylates	69	50	2400-16600
PPO	55	50	2484-2622
Polyimides	69	50	3588

The property of the tensile modulus and the elongation can give a good idea where the material belongs: is it more breakable or is it considered to be soft?

As the tensile modulus gets bigger and the elongation gets smaller, the material becomes harder and more cutting edges can be used.

This table can also give a perspective of a new material regarding a material that is already known.

PLASTIC



Plastic



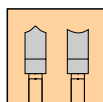
Corian



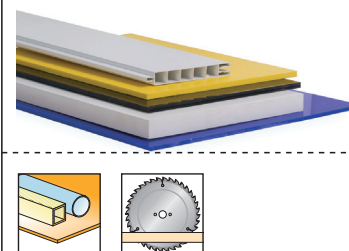
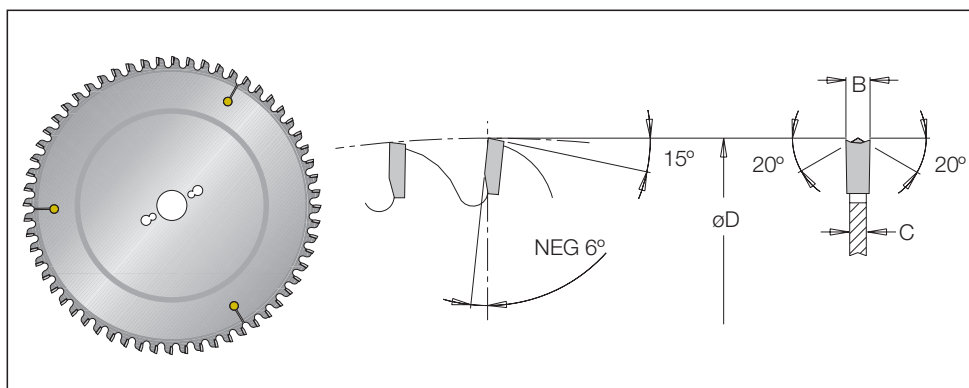
Aluminum



Composites



MDN - Trimming & Sizing Saw Blade



øD	Teeth	Code No.	B	c	n	m/min	ød
220	42	90110656	3.2	2.2	6000-8600	13-18	30
253	48	90110136	3.2	2.2	5200-7500	12-17	30
303	60	90110856	3.2	2.2	4400-6300	13-19	30

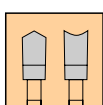
Manufacturing Technology:



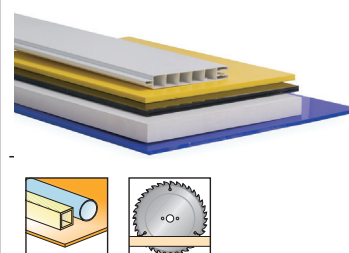
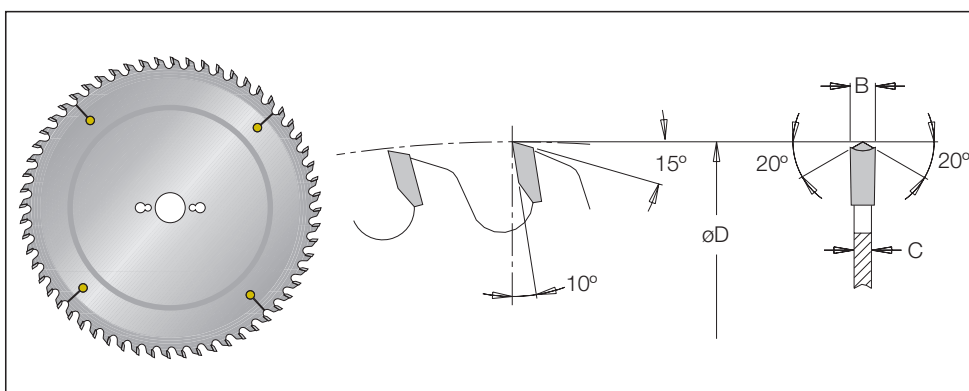
Dynamic Balancing



Dynamic Straightness



MD - Trimming & Sizing Saw Blade



øD	Teeth	Code No.	B	c	n	m/min	ød
220	42	90110606	3.2	2.2	6000-8600	13-18	30
230	42	90110706	3.2	2.2	5800-8300	12-17	30
253	48	90110106	3.2	2.2	5200-7500	12-18	30
303	60	90110256	3.3	2.4	4400-6300	13-19	30
350	72	90110306	3.2	2.2	3800-5400	14-19	30

Manufacturing Technology:



Dynamic Balancing



Dynamic Straightness
Above 250
Diameter

PLASTIC



Plastic



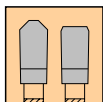
Corian



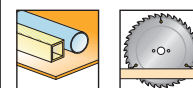
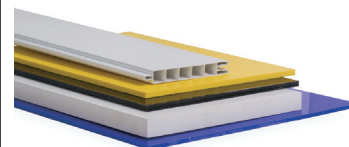
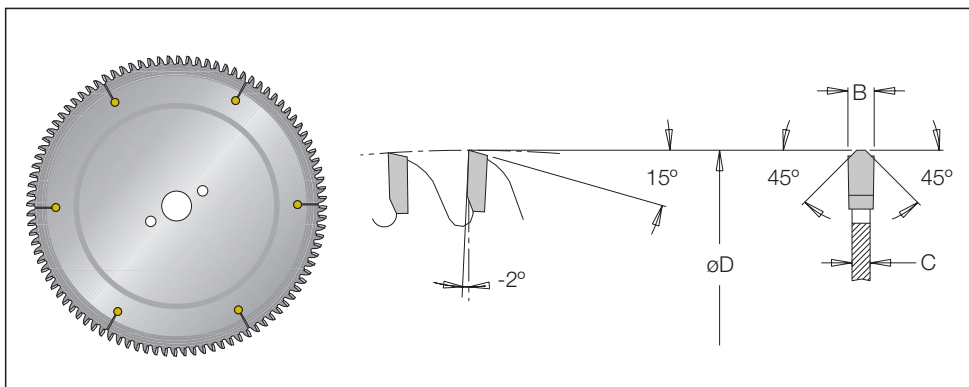
Aluminum



Composites



MUP - Plastic Trimming & Sizing Saw Blade



ØD	Teeth	Code No.	B	c	Ød	m/min	Ød
250	80	90107036	2.5	1.8	30	13-18	30
300	96	90107066	3.3	2.6	30	12-17	30
350	108	90107096	3.7	3.0	30	13-19	30

Manufacturing Technology:



Dynamic
Straightness

PLASTIC



Plastic



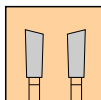
Corian



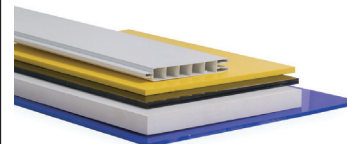
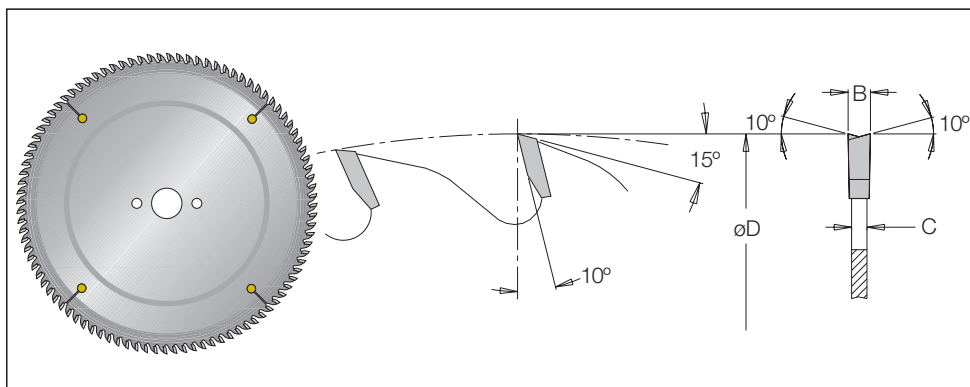
Aluminum



Composites



MW - Trimming & Sizing Saw Blade



øD	Teeth	Code No.	B	c	ød	n	m/min
150	30	90103506	3.0	2.0	30	6300-10100	32-52
	36	90103606	3.0	2.0	30	6300-10100	39-62
	48	90105306	3.0	2.0	30	6300-10100	51-82
180	42	90103806	3.0	2.0	30	5300-8400	38-60
	58	90105406	3.0	2.0	30	5300-8400	52-83
200	48	90104006	3.0	2.0	30	4700-7600	38-62
	64	90105506	3.0	2.0	30	4700-7600	51-83
220	48	90104036	3.0	2.0	30	4300-6900	35-56
	64	90105596	3.0	2.0	30	4300-6900	47-75
250	60	90104106	3.2	2.2	30	3800-6100	39-62
	80	90105706	3.2	2.2	30	3800-6100	52-83
300	60	90104206	3.2	2.2	30	3100-5000	32-51
	72	90104306	3.2	2.2	30	3100-5000	38-61
	96	90105806	3.2	2.2	30	3100-5000	51-82
350	72	90104406	3.5	2.5	30	2700-4300	33-53
	84	90104506	3.5	2.5	30	2700-4300	39-61
	108	90105906	3.5	2.5	30	2700-4300	50-79
400	96	90104606	3.5	2.5	30	2300-3800	38-62
	120	90106006	3.5	2.5	30	2300-3800	47-78
450	108	90104626	4.0	2.8	30	2100-3300	39-61
	132	90106036	4.0	2.8	30	2100-3300	47-74
500	120	90104636	4.4	3.0	30	1900-3000	39-61

Manufacturing Technology:



Dynamic
Straightness
Above 250
Diameter

PLASTIC



Plastic



Corian

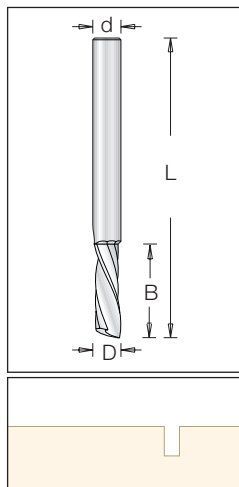


Aluminum

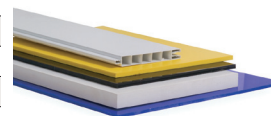


Composites

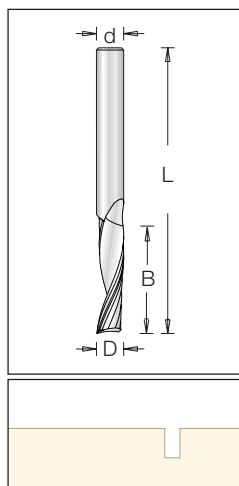
Single spiral "O" flute, down shear angle, mirror finish



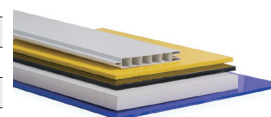
D	B	Code No.	L	ød
3.0	11.0	185411Z	50	3.0
3.2	12.7	185417Z	50	3.2
4.0	13.0	185412Z	50	4.0
4.75	16.0	185423Z	50	4.75
5.0	18.0	185413Z	60	5.0
6.0	20.0	1854143	60	6.0
6.35	19.0	1854314	50	6.35



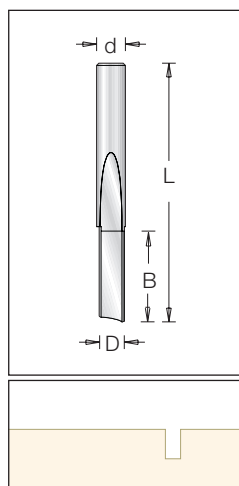
Single spiral O flut up shear angle Mirror finish



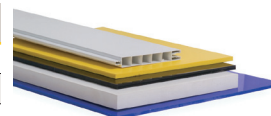
D	B	Code No.	L	ød
3.0	11.0	185511Z	50	3.0
3.2	12.7	185517Z	50	3.2
4.0	13.0	185512Z	50	4.0
4.75	16.0	185523Z	50	4.75
5.0	18.0	185513Z	60	5.0
6.0	20.0	1855143	60	6.0



Single Straight O Flute



D	B	Code No.	L	ød
3.18	12.75	1850104	50	6.35
4.76	16.0	1850224	50	6.35
6.35	19.05	1850304	50	6.35
6.35	25.4	1850324	65	6.35
6.35	25.4	L1850324	90	6.35



PLASTIC



Plastic



Corian

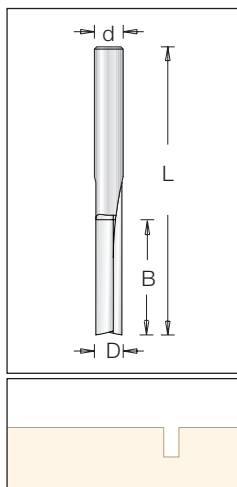


Aluminum

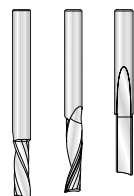
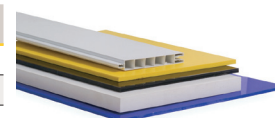


Composites

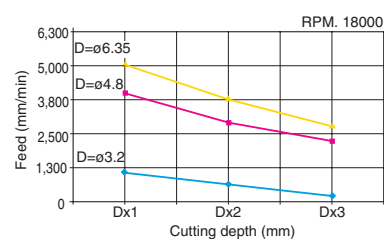
Double straight Flute



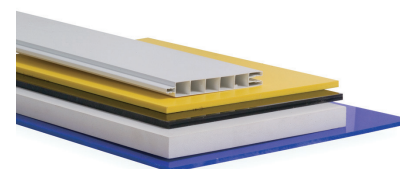
D	B	Code No.	L	ød
3.15	12.7	1870104	50	6.35
4.75	16.0	1870224	50	6.35
6.35	25.4	1870324	64	6.35
9.5	25.4	1870406	64	9.5
12.7	25.4	1870508	77	12.7



O Flut design
Z=1

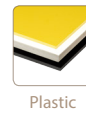


R.P.M. = 18,000



Plastic

PLASTIC



Plastic



Corian

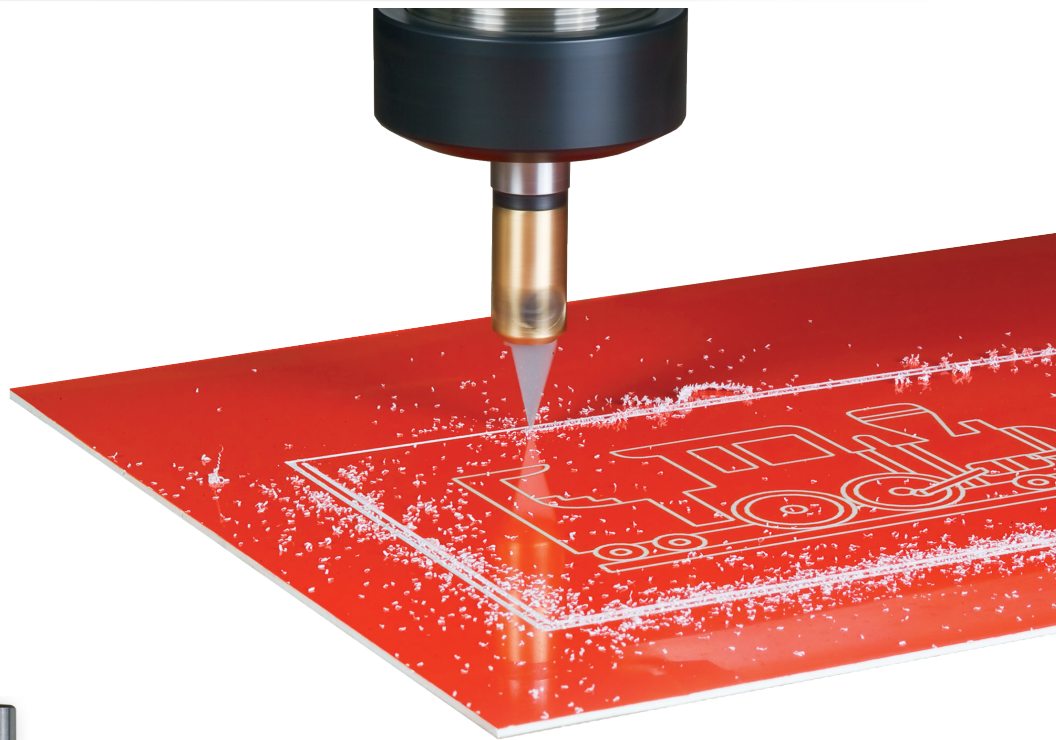


Aluminum



Composites

Engraving System



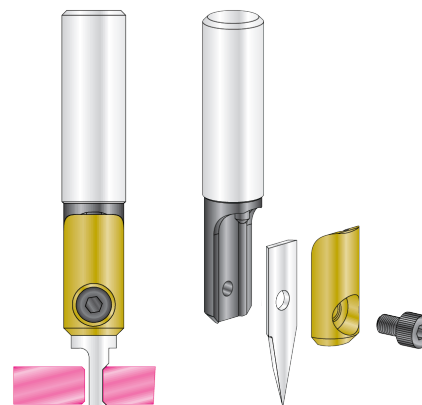
The Engraving Insert System features one tool body with more than forty unique insert knives designed for a variety of applications including Straight cut, core box, round corner, V grooves and cutting & chamfering.

Industrial quality insert knives ensure clean cuts and a longer life time than the standard solid router bits.

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

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

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



ADVANCED MATERIALS

PLASTIC



Plastic



Corian

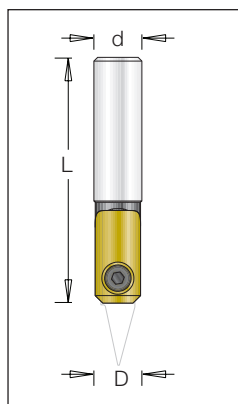


Aluminum



Composites

Engraving System



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

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

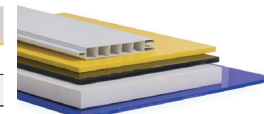
*Body only.



Allen screw
#193 807 0
M4x6

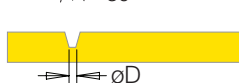


Allen key
#194 003 0
S3



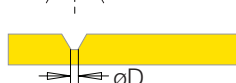
V-Groove 30°
Engraving
Insert Knives

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



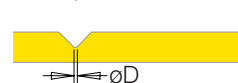
V-Groove 60°
Engraving
Insert Knives

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



V-Groove 90°
Engraving
Insert Knives

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



Straight
Engraving
Insert Knives

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



* Only for use with controllable feed rate machines.

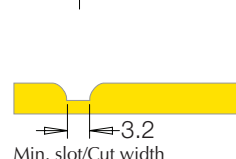
Core box
Engraving
Insert Knives

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



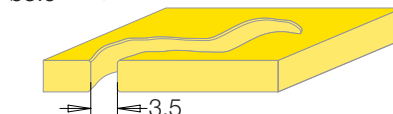
Cornerround
Engraving
Insert Knives

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



Cutting and chmfering Engraving
Insert Knives

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



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

* Only for Chamfer operation.

PLASTIC



Plastic



Corian



Aluminum

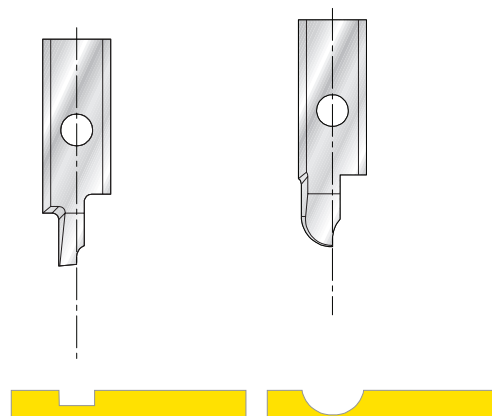


Composites

Engraving System Feed rates

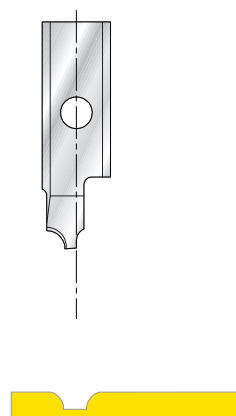
Straight and core box max feed Vars. RPM (cutting depth 1D) mm/min

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



Round corner reccomended feed Vars. RPM mm/min

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



PLASTIC



Plastic



Corian



Aluminum

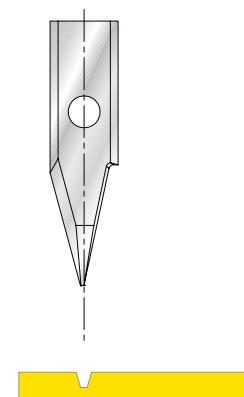


Composites

Engraving System

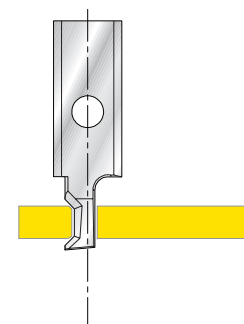
V- groove Routing recommended max feed vars. RPM (inch/min)

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

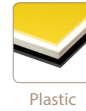


Sizing and chamfering recommended feed Vars. RPM mm/min

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



SOLID SURFACE MATERIALS



Plastic



Corian



Aluminum



Composites

ROUTER BITS FOR FABRICATING SOLID SURFACE MATERIALS

Corian, Fountainhead Avonite, etc.

Dimar has developed a world class line of router bits for solid surface materials.

Tools profile produced for such materials provide a complete solution for all applications & profiles in this category.

Tooling's shape & measurements shall comply with the particular processing stages.

Working with a bearing guide: In order to protect the product from harm, the bearings are wrapped in reinforced plastic material, which is molded to the bearing and eliminates a split from the bearing while operating. The bearing shape is determined according to the existing profile of the product.



SOLID SURFACE MATERIALS



Plastic



Corian

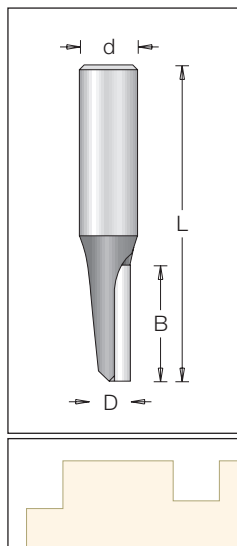


Aluminum



Composites

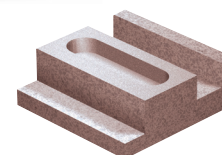
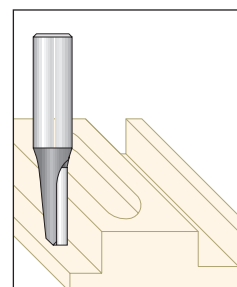
Plunge Bit - Single Fluted



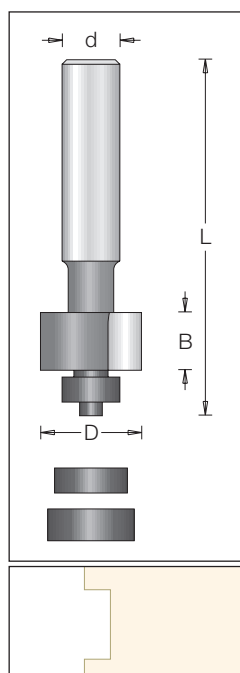
øD	B	Code No.	L	ød
9.5	25.4	1250229	70	12



Can be supplied with 1/2" shank.



Face Inlay Bit



øD	B	Code No.	t	L	ød	
22.2	3.2	1540129	4.8	73	12	A
	3.2	1540139	3.2	73	12	B
	3.2	1540149	1.6	73	12	C
	6.35	1540019	1.6	78	12	C
	6.35	1540029	3.2	76	12	B
	6.35	1540039	4.8	76	12	A
	9.5	1540159	4.8	78	12	A
	9.5	1540169	3.2	78	12	B
	9.5	1540179	1.6	79	12	C
	12.7	1540049	1.6	82	12	C
	12.7	1540059	3.2	80	12	B
	12.7	1540069	4.8	80	12	A
	13.5	1540189	4.8	82	12	A
	13.5	1540199	3.2	82	12	B
	13.5	1540209	1.6	83	12	C
	19.0	1540079	1.6	88	12	C
	19.0	1540089	3.2	88	12	B
	19.0	1540099	4.8	88	12	A



Can be supplied with 1/2" shank.

Spare Parts:



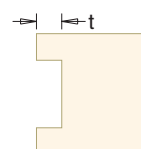
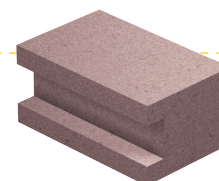
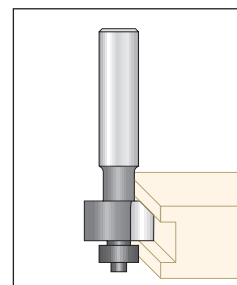
A. Ball Bearing
#191 003 0
12.7x6.3x4.7



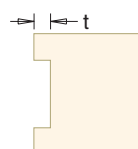
B. Ball Bearing
#191 005 0
16x6.3x5



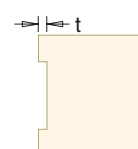
C. Ball Bearing
#191 014 0
19x6.3x7



With
Ball Bearing A



With
Ball Bearing B



With
Ball Bearing C

SOLID SURFACE MATERIALS



Plastic



Corian

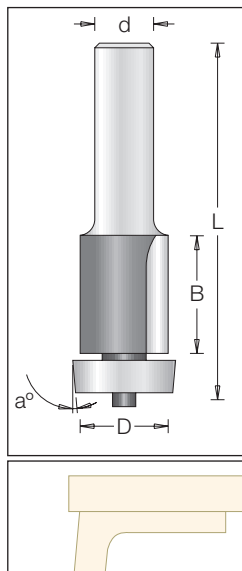


Aluminum



Composites

Inlay Trimming Bit



øD	a	B	Code No.	L	ød	
19.0	5°	25.4	1014159	80	12	A
19.6	5°	38.1	1014209	84	12	B

⚠ Can be supplied with 1/2" shank.

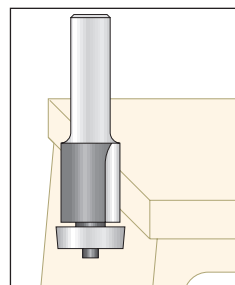
Spare Parts:



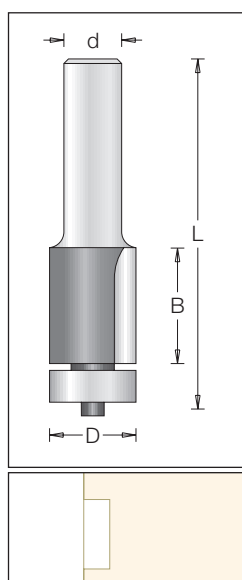
A. Molded Bearing
#191 936 0S
22.2x6.3x5.2x5°



B. Molded Bearing
#191 999 0S
25.4x6.3x8.2x5°



Inlay Trimming Bit



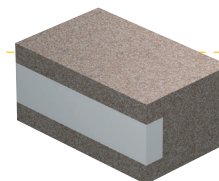
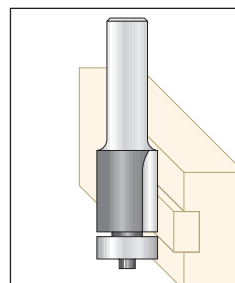
øD	B	Code No.	L	ød
19	25.4	1014169	80	12

⚠ Can be supplied with 1/2" shank.

Spare Parts:



Molded Bearing
#1919 340S
19x6.3x5.7



SOLID SURFACE MATERIALS



Plastic



Corian

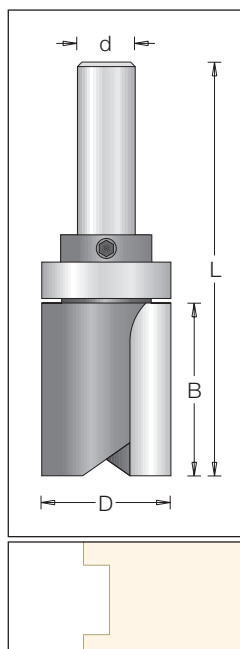


Aluminum



Composites

Trimming Bit



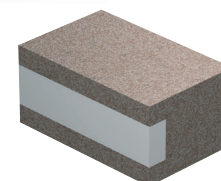
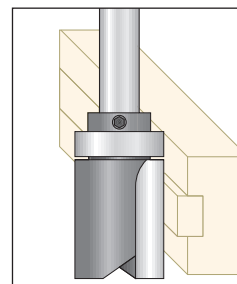
øD	B	Code No.	L	ød
28.6	38.1	1072399	92	12

⚠ Can be supplied with 1/2" shank.

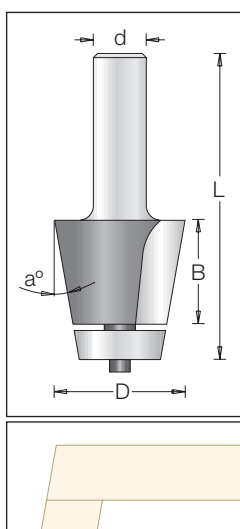
Spare Parts:



Ball Bearing
#191 018 0
12.7x28.6x8



Bevel Bit



øD	a	B	Code No.	L	ød	
32	12°	25.4	1510049	80	12	A
39	12°	32.0	1510109	78	12	B

⚠ Can be supplied with 1/2" shank.

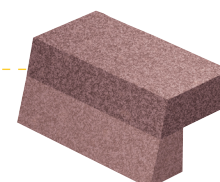
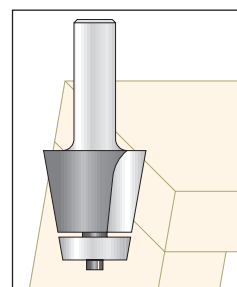
Spare Parts:



A.Molded Bearing
#191 932 0S
6.3x21.8x5.7x10°



B.Molded Bearing
#191 999 0S
6.3x25.4x8.2x5°



SOLID SURFACE MATERIALS



Plastic



Corian

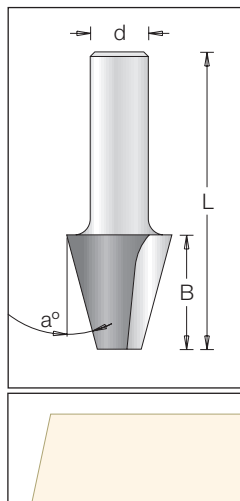


Aluminum



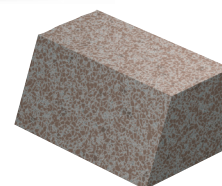
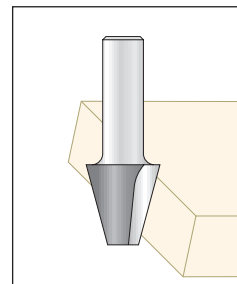
Composites

Bevel Bit

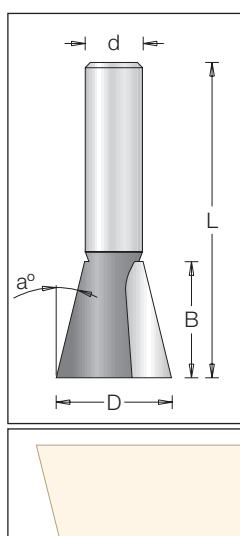


øD	a	B	Code No.	L	ød
24	15°	25.4	1031139	65	12

⚠ Can be supplied with 1/2" shank.

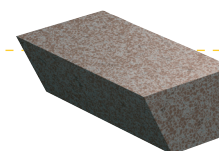
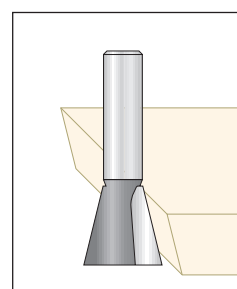


Bevel Bit

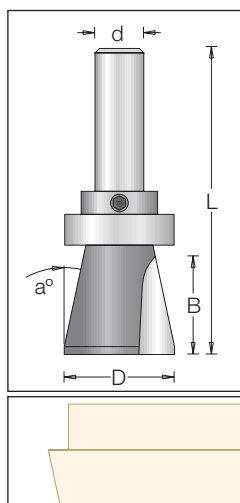


øD	a	B	Code No.	L	ød
25.4	14°	25.4	1040259	69	12

⚠ Can be supplied with 1/2" shank.



Bevel Bit



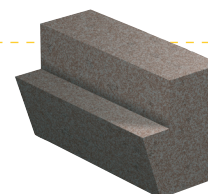
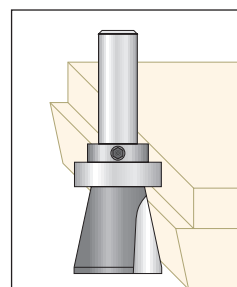
øD	a	B	Code No.	L	ød
28.6	12°	26	1612449	79.4	12

⚠ Can be supplied with 1/2" shank.

Spare Parts:



Ball Bearing
#191 018 0
28.6x12.7x8



ADVANCED MATERIALS

SOLID SURFACE MATERIALS



Plastic



Corian

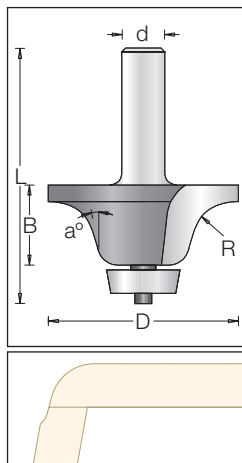


Aluminum



Composites

Rounding Over Bowl Bit

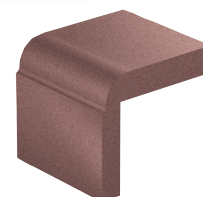
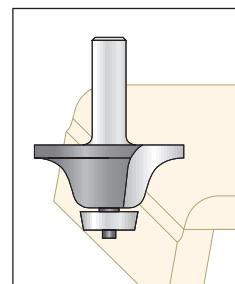


øD	a	B	Code No.	R	L	ød
55	15°	25.4	1520039	13	75	12.0
61	15°	32.0	1520049	14	86	12.0

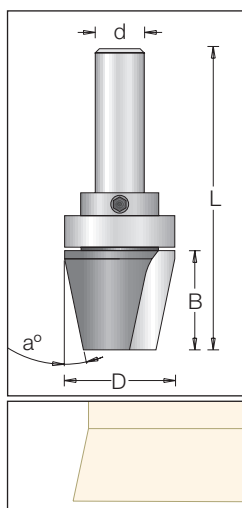
Spare Parts:



Molded Bearing
#191 932 0S
6.3x21.8x5.7x10°



Bevel Guided Bit



øD	a	B	Code No.	L	ød
28.6	12°	25.4	1612249	77.8	12

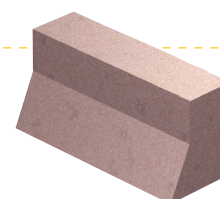
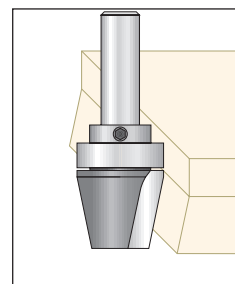


Can be supplied with 1/2" shank.

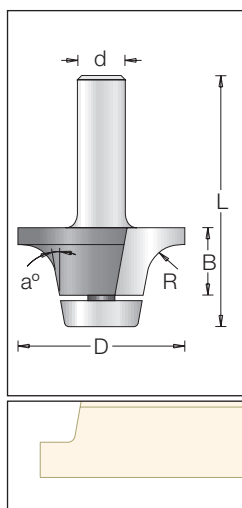
Spare Parts:



Ball Bearing
#191 018 0
28.6x12.7x8



Bevel Guided Bit



øD	a	B	Code No.	R	L	ød
45.2	17°	18.2	1530059	9.5	63.5	12
51.0	17°	18.2	1530069	12.7	63.5	12
54.0	17°	25.4	1530079	12.7	71.5	12
57.0	17°	24.0	1530089	19.0	76.0	12
60.5	12°	22.2	1530099*	14.2	79.0	12



Can be supplied with 1/2" shank.

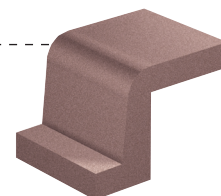
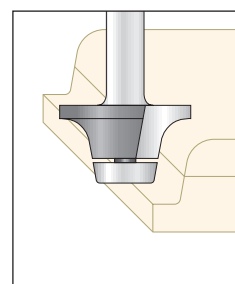
Spare Parts:



Molded Bearing
#191 936 5S
6.3x22.2x5.7x10°



Molded Bearing*
#191 999 0S
6.3x25.4x8.2x5°



SOLID SURFACE MATERIALS



Plastic



Corian

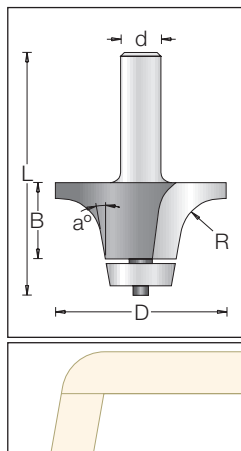


Aluminum



Composites

Undermount Bowl Bit



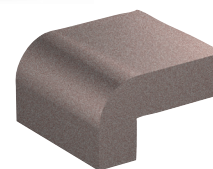
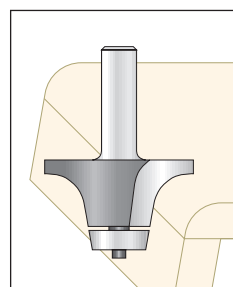
øD	a	B	Code No.	R	L	ød
54	18°	25.4	1530039	13	79	12
57	18°	32.0	1530049	14	85	12

⚠ Can be supplied with 1/2" shank.

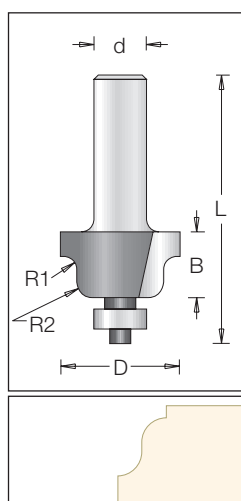
Spare Parts:



Molded Bearing
#191 932 0S
6.3x21.8x5.7x10°



Roman Ogee Bit



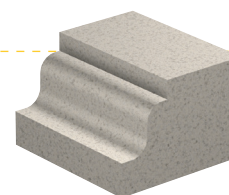
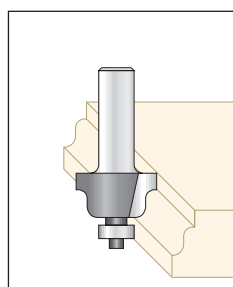
øD	B	Code No.	R1	R2	L	ød
28.6	16	1130109	3.2	4	63	12

⚠ Can be supplied with 1/2" shank.

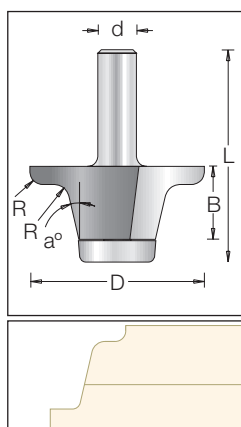
Spare Parts:



Molded Bearing
#191 935 0S
4.7x12.7x5.7



Undermount Bowl Bit



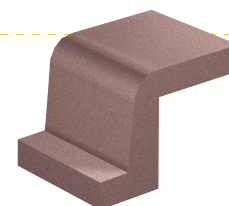
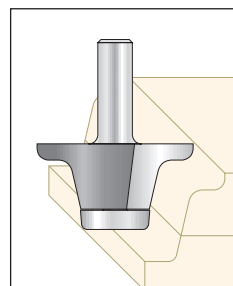
øD	a	B	Code No.	R1	R	L	ød
57	13°	24	1530109	4	5	71	12

⚠ Can be supplied with 1/2" shank.

Spare Parts:



Molded Bearing
#191 999 0S
6.3x25.4x8.2x5°



ADVANCED MATERIALS

SOLID SURFACE MATERIALS



Plastic



Corian

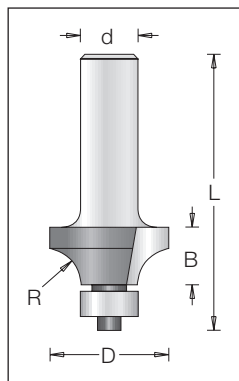


Aluminum



Composites

Corner Rounding Bit



øD	R	B	Code No.	L	ød
28.6	8	13.5	1550923	52	6
	8	13.5	1550929	61	12

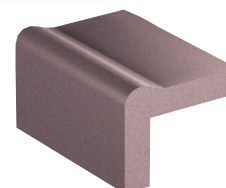
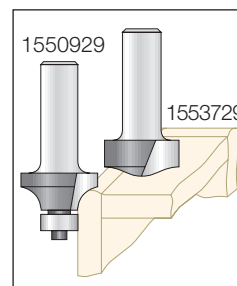


Can be supplied with 1/4" shank.
Can be supplied with 1/2" shank.

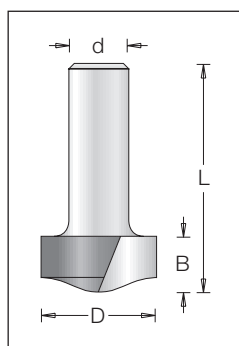
Spare Parts:



Molded Bearing
#191 935 0S
4.7x12.7x4.8



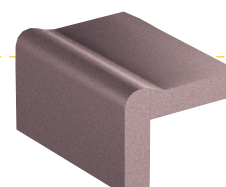
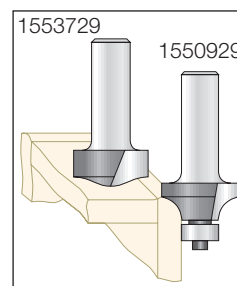
Corner Top Bit - No Drip



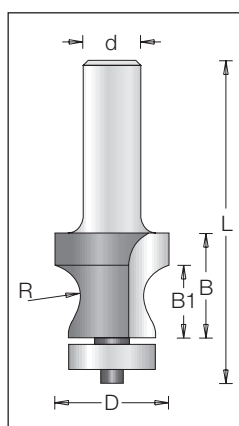
øD	B	Code No.	L	ød
25.4	12.7	1553729	54	12



Can be supplied with 1/2" shank.



Corner Top Bit - No Drip



øD	R	B	Code No	B1	L	ød
25	8	23	1550029	16	77	12
	8	29	1550039	24	83	12

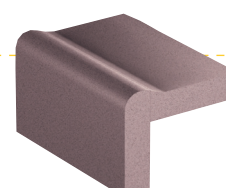
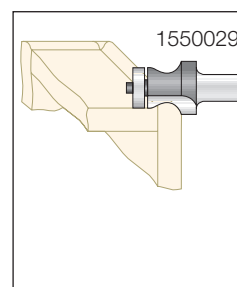


Can be supplied with 1/2" shank.

Spare Parts:



Molded Bearing
#191 934 0S
6.3x19.05x6.5



SOLID SURFACE MATERIALS



Plastic



Corian

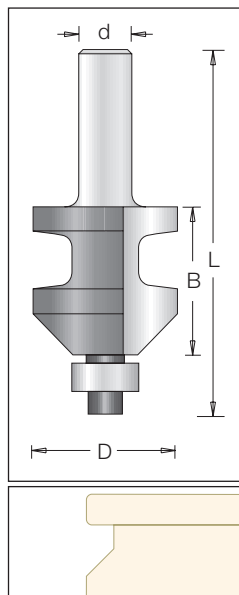


Aluminum



Composites

Bevel Hob Bit



øD	B	Code No.	L	ød
35	36	1564109	89	12

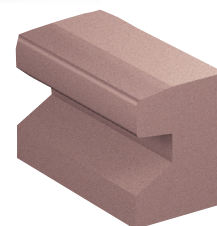
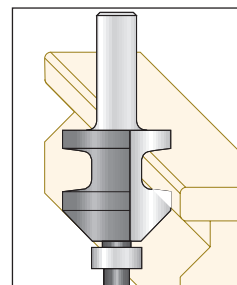


Can be supplied with 1/2" shank.

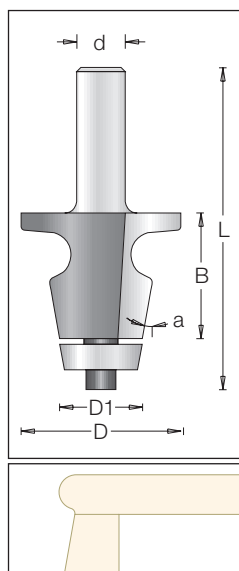
Spare Parts:



Ball Bearing
#191 005 0
16x6.3x5



Under Mount Profile Bowl Bit



øD	B	Code No.	R1	R2	L	ød
28.6	16	1554109	3.2	4	63	12

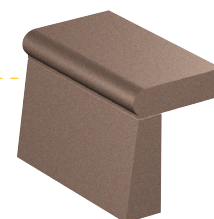
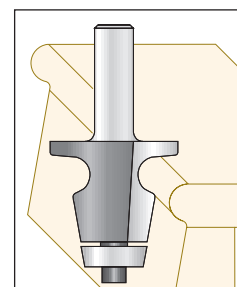


Can be supplied with 1/2" shank.

Spare Parts:



Molded Bearing
#191 932 0S
21.8x6.35x5.7



SOLID SURFACE MATERIALS



Plastic



Corian

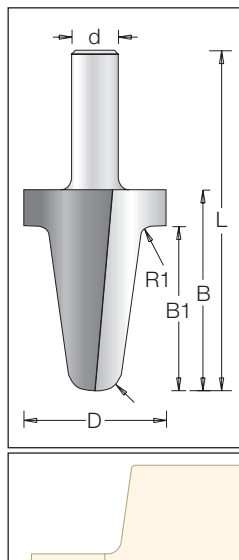


Aluminum



Composites

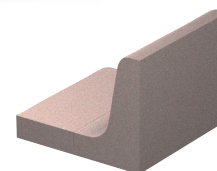
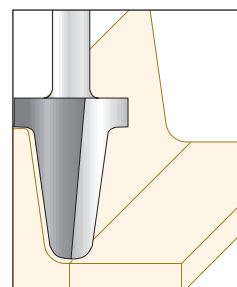
Upright Bit



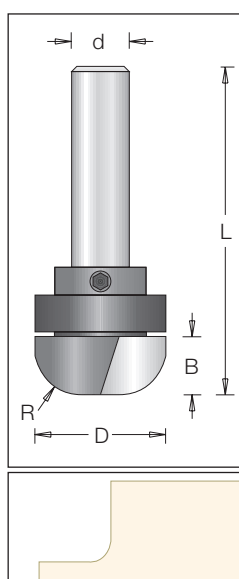
øD	B	B1	Code No.	R	R1	L	ød
39	40	30	1564019	6	3	78	12
	55	45	1564059	6	3	93	12



Can be supplied with 1/2" shank.



Coving Bit



øD	B	Code No.	R	L	ød
28.6	12.7	1062809	10	73	12

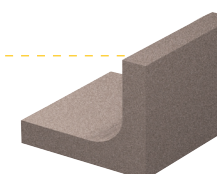
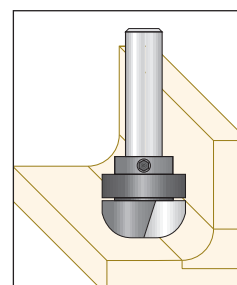


Can be supplied with 1/2" shank.

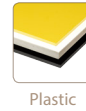
Spare Parts:



Molded Bearing
#191 944 0
15x28.6x8.5



SOLID SURFACE MATERIALS



Plastic



Corian

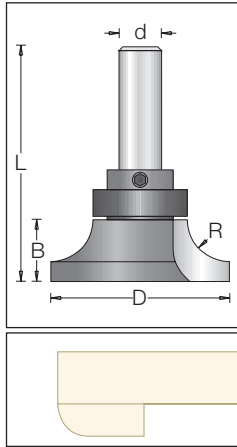


Aluminum



Composites

Inverted (under-cut) Round Over Bit



øD	R	B	Code No.	L	ød	n
54.0	12.7	20.0	1592039	73	12	
67.0	19.0	25.4	1592069	77	12	18,000
79.4	25.4	30.7	1592099	83	12	18,000

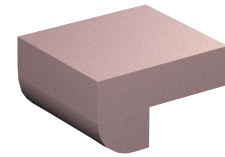
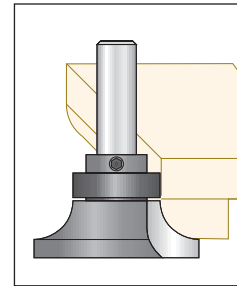
Max.
RPM

⚠ Can be supplied with 1/2" shank.

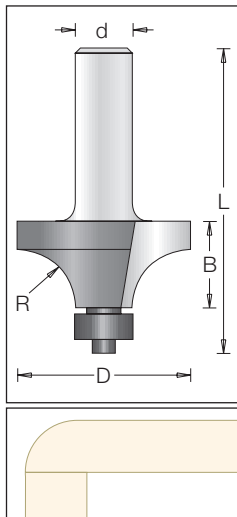
Spare Parts:



Molded Bearing
#191 944 0
15x28.6x8.5



Round Over Bit



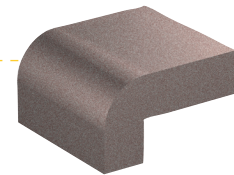
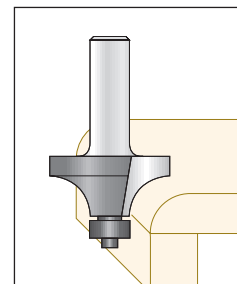
øD	R	B	Code No.	L	ød
38.1	12.7	19.0	1590039	65	12
51.0	19.0	25.4	1590069	73	12

⚠ Can be supplied with 1/2" shank.

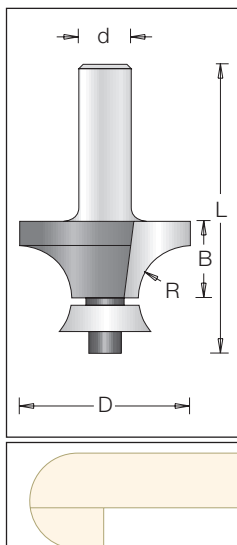
Spare Parts:



Molded Bearing
#191 935 0S
4.7x12.7x5.7



Round Over Bit



øD	R	B	Code No.	L	ød		n
41.6	12.7	18.7	1594019	68.4	12	A	18,000
54.2	19.0	25.0	1594059	76.0	12	B	18,000
67.0	25.4	31.4	1594109	92.0	12	C	18,000

Max.
RPM

⚠ Can be supplied with 1/2" shank.

Spare Parts:



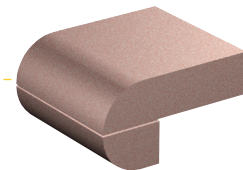
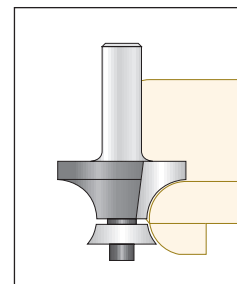
Molded Bearing
#191 996 0S
6.3x21.4xR12.7



Molded Bearing
#191 997 0S
6.3x19.4xR19



Molded Bearing
#191 998 0S
6.3x18.5xR25.4



SOLID SURFACE MATERIALS



Plastic



Corian

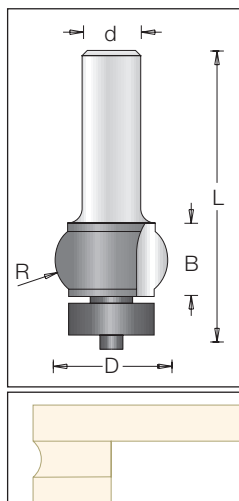


Aluminum



Composites

Edge Face Cove Bit

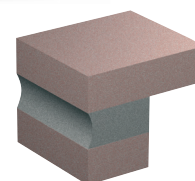
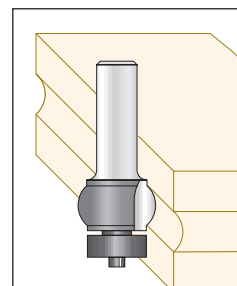


øD	R	B	Code No.	L	ød
25.4	7.9	16	1621019	67	12

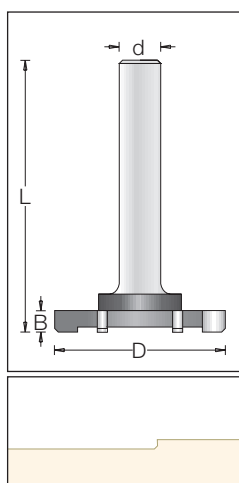
Spare Parts:



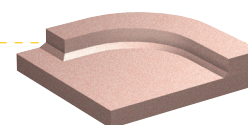
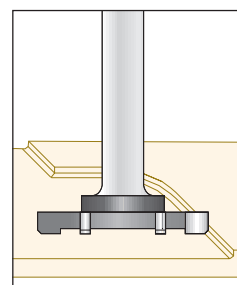
Molded Bearing
#191 934 05
6.3x19.05x6.5



Six Wing Trimmer



øD	B	Code No.	L	ød
52	6.5	1600059	83	12



SOLID SURFACE MATERIALS



Plastic



Corian

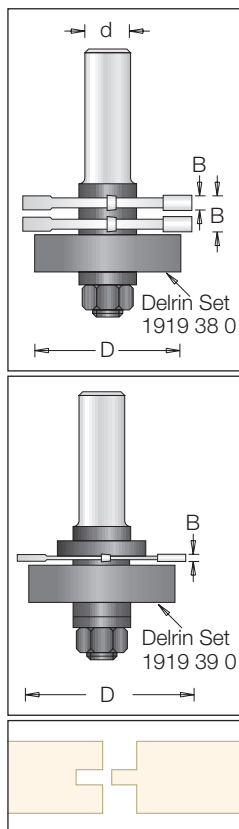


Aluminum



Composites

Tongue & Groove - Jointing Set



	øD	B	Code No.	L	ød
Complete	47.7	10.0	1084409	76.2	12
Cutter (x2)	47.7	4.0	1080850		
Cutter	47.7	2.0	1080760		



Can be supplied with 1/2" shank.

Spare Parts:



Arbor & Nut
#190 004 9
L=76.2



Molded Bearing
#191 938 0
8x43x9.6



Molded Bearing
#191 939 0
8x40.7x10.5



Spacer
#192 016 0
6x16



Spacer
#192 050 0
0.05x16



Spacer
#192 100 0
0.1x16



Spacer
#192 011 0
1x16



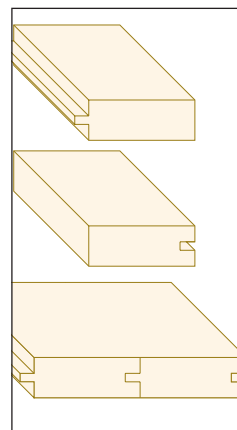
Spacer
#192 015 0
3x16



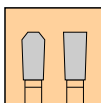
Spacer
#192 040 0
3.15x16



Spacer
#192 022 0
4.5x25



Aluminum



MSAN - Aluminum Profile Saw Blade



Plastic



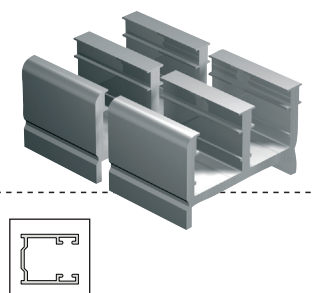
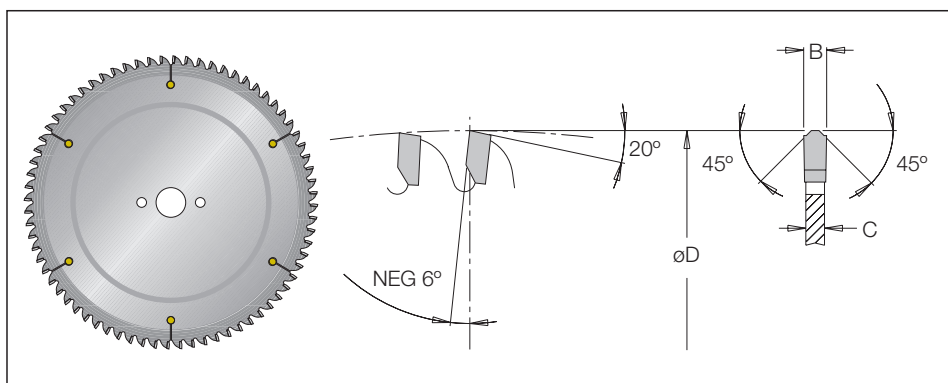
Corian



Aluminum



Composites



øD	Teeth	Code No.	B	c	n	m/min	ød
150	48	90202433	2.8	2.2	5000-8900	12-21	20
160	48	90202443	2.8	2.2	4700-8300	11-20	20
180	58	90202486	2.8	2.2	4200-7400	12-21	30
184	58	9020245E	2.8	2.2	4100-7200	12-21	16
	58	90202453	2.8	2.2	4100-7200	12-21	20
190	60	90202493	2.8	2.2	4000-7000	12-21	20
	60	90202496	2.8	2.2	4000-7000	12-21	30
200	48	90200706	2.8	2.2	3800-6600	9-16	30
	64	90202506	2.8	2.2	3800-6600	12-21	30
216	64	90202566	2.8	2.2	3500-6100	11-20	30
230	60	90202606	2.8	2.2	3300-5800	10-17	30
	60	90202636	2.8	2.2	3200-5600	10-17	30
235	60	90200806	3.2	2.6	3000-5300	9-16	30
	80	90202706	3.2	2.6	3000-5300	12-21	30
250	100	90202756	3.2	2.6	3000-5300	15-27	30
	72	90200857	3.2	2.6	2700-4800	10-17	32
275	72	90200906	3.2	2.6	2500-4400	9-16	30
	96	90202806	3.2	2.6	2500-4400	12-21	30
300	80	90200957	3.2	2.6	2300-4000	9-16	32
	102	90202857	3.2	2.6	2300-4000	12-20	32
330	84	90201006	3.2	2.6	2100-3800	9-16	30
	108	90202906	3.2	2.6	2100-3800	11-21	30
350	100	90202956	2.8	2.2	2000-3500	10-18	30
400	96	90201106	3.8	3.2	1900-3300	9-16	30
	120	90203006	3.8	3.2	1900-3300	11-20	30
420	96	90203406	4	3.4	1800-3100	9-15	30
450	108	90204006	4	3.4	1600-2900	9-16	30
	120	90204106	4	3.4	1600-2900	10-17	30
500	120	90204206	4.4	3.8	1500-2600	9-16	30



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

Manufacturing Technology:



Dynamic
Balancing
Above 350
Diameter



Dynamic
Straightness
Above 250
Diameter

Aluminum



Plastic



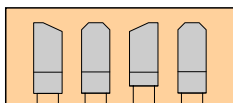
Corian



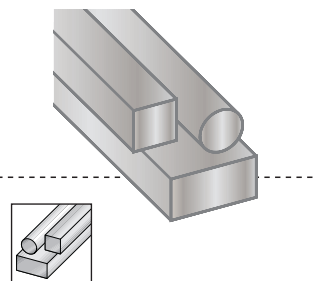
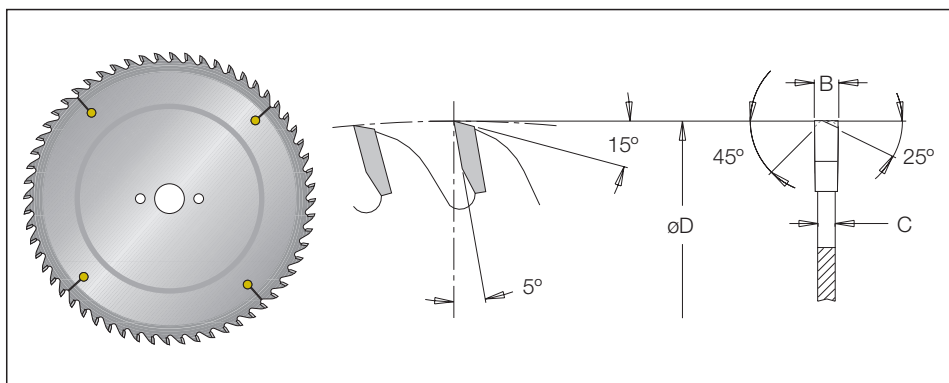
Aluminum



Composites



MTA - Aluminum Bars Saw Blade



D	Teeth	Code No.	B	C	n	m/min	d
300	80	90254006	3.4	2.8	2500-4400	20-35	30
	60	90250106	3.4	2.8	2500-4400	15-25	30
350	100	90254306	3.6	3.0	2100-3800	21-38	30
	80	90250206	3.6	3.0	2100-3800	16-30	30
400	120	90254506	3.8	3.2	1900-3300	23-40	30
	80	90250306	3.8	3.2	1900-3300	15-26	30
450	100	90250406	4.0	3.4	1600-2900	16-29	30
	80	90256006	4.0	3.4	1600-2900	13-23	30
500	100	90250506	4.2	3.5	1500-2600	15-26	30
	80	90256036	4.2	3.5	1500-2600	12-20	30
550	120	90250606	4.4	3.8	1400-2400	16-28	30
	100	90256066	4.4	3.8	1400-2400	14-24	30

Aluminum



Plastic



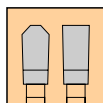
Corian



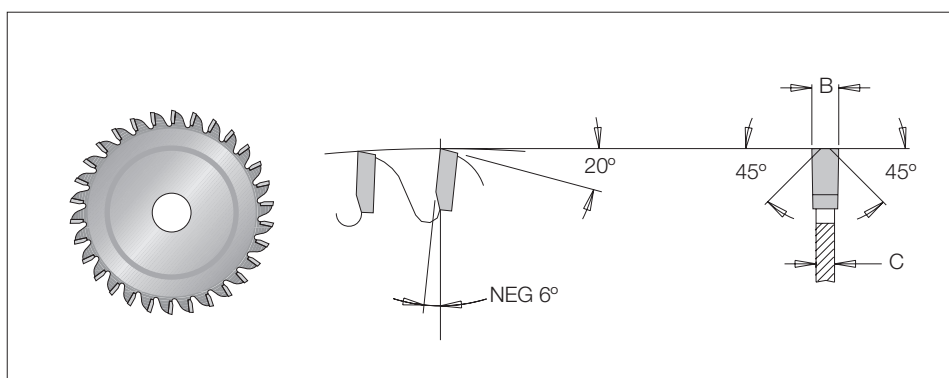
Aluminum



Composites



MHAN - Milling Saw Blade



øD	Teeth	Code No.	B	c	n	ød
100	24	90200511	3.9	3.2	7600-13000	16.0
	30	90200551	3.9	3.2	7600-13000	16.0
115	24	9020061A	3.9	3.2	6600-11600	22.2
	30	9020063A	3.9	3.2	6600-11600	22.2

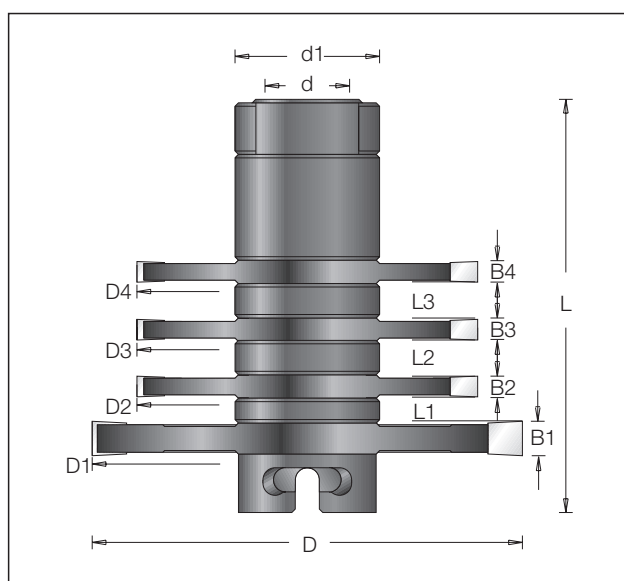


To be used manually with mini grinder.

Used extensively in the boat building industry for milling, that is cleaning up and grooving of aluminum welds, and cutting out welding tacks.

Custom and Milling head

Special head made from steel sleeve and brazed cutter according to customer definition.



Special tools for working on aluminium profiles.

When ordering single cutters need to indicate the dimensions of the diameter, width and bore.

When ordering sets you need to supply a drawing of the requested profile, dimensions of the cutter's diameter, width and bore as well as the dimensions between the cutters.

d = ... , **d1** = ... , **L** = ...

D1 = ... , **B1** = ... , **L1** = ...

D2 = ... , **B2** = ... , **L2** = ...

Aluminum



Plastic



Corian

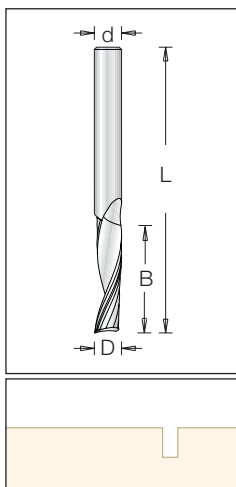


Aluminum

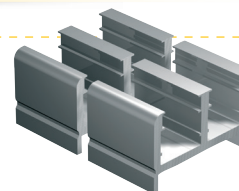


Composites

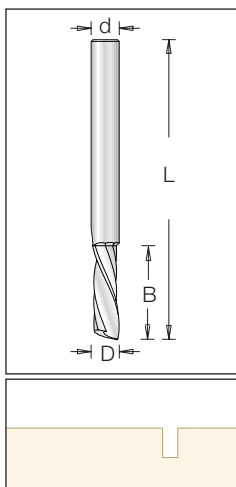
Single spiral "O" flute, up shear angle, mirror finish



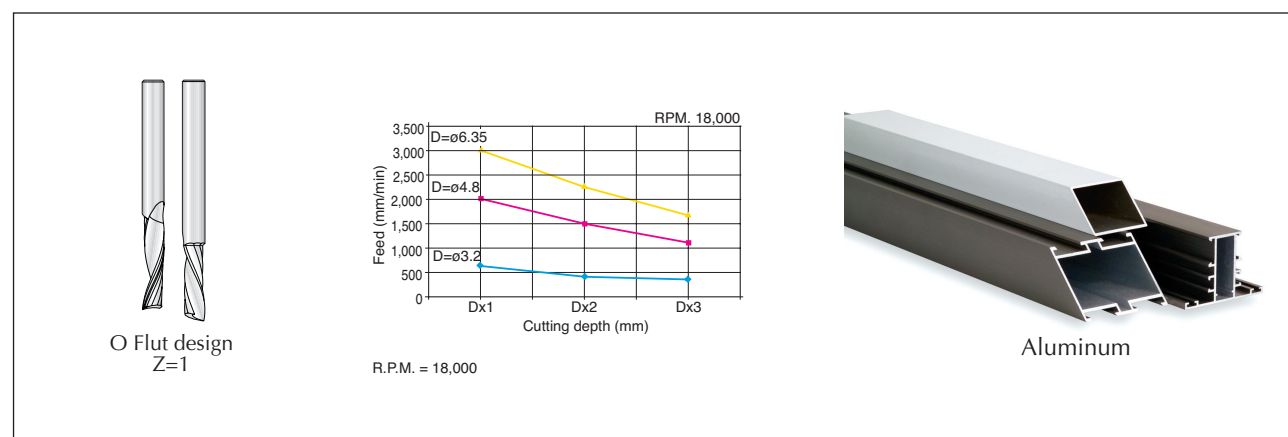
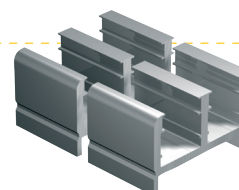
D	B	Code No.	L	ød
3.2	8.0	185510z	40	3.2
4.75	12.7	1855224	50	6.35
6.35	16.0	1855304	50	6.35



Single spiral "O" flute, down shear angle, mirror finish



D	B	Code No.	L	ød
3.2	8.0	185410z	40	3.2
4.75	12.7	1854224	50	6.35
6.35	16.0	1854304	50	6.35



ADVANCED MATERIALS