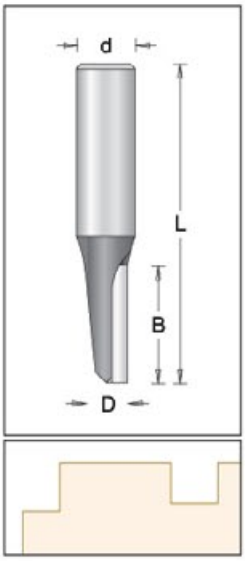
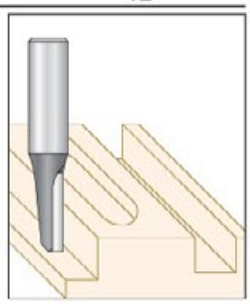


Frez do zagłębień - z jednym ostrzem

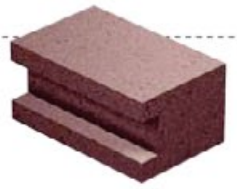


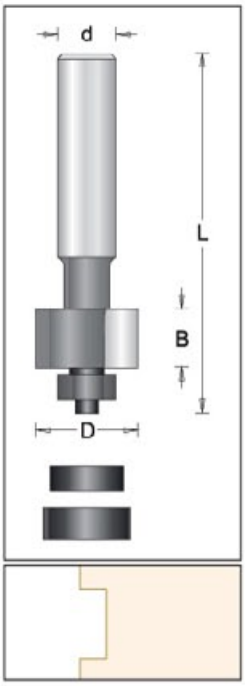


D	B	Kod	L	d
9.5	25.4	1250 22 9	70	12



Frez dekorujący do wręgów zamkniętych





D	B	Kod	t	L	d	
22.2	3.2	1540 12 9	4.8	73	12	A
	3.2	1540 13 9	3.2	73	12	B
	3.2	1540 14 9	1.6	73	12	C
	6.35	1540 01 9	1.6	78	12	C
	6.35	1540 02 9	3.2	76	12	B
	6.35	1540 03 9	4.8	76	12	A
	9.5	1540 15 9	4.8	78	12	A
	9.5	1540 16 9	3.2	78	12	B
	9.5	1540 17 9	1.6	79	12	C
	12.7	1540 04 9	1.6	82	12	C
	12.7	1540 05 9	3.2	80	12	B
	12.7	1540 06 9	4.8	80	12	A
	13.5	1540 18 9	4.8	82	12	A
	13.5	1540 19 9	3.2	82	12	B
	13.5	1540 20 9	1.6	83	12	C
	19.0	1540 07 9	1.6	88	12	C
	19.0	1540 08 9	3.2	88	12	B
	19.0	1540 09 9	4.8	88	12	A

Części zamienne:



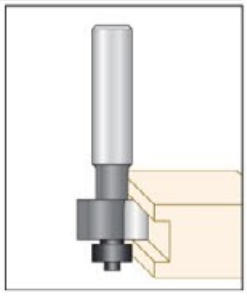
A.Łożysko
#191 003 0
12.7x6.3x4.7

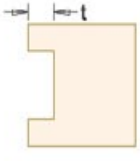


B.Łożysko
#191 005 0
16x6.3x5

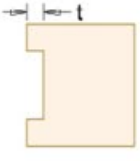


C.Łożysko
#191 014 0
19x6.3x7

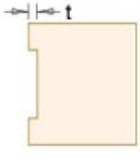




z łożyskiem A



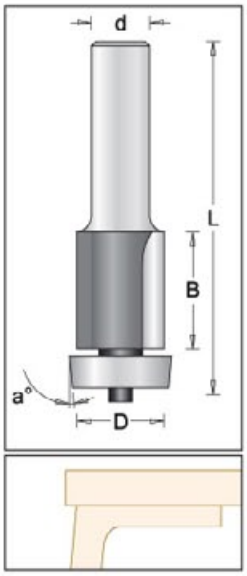
z łożyskiem B



z łożyskiem C



Frez podcinający do blatów



D	a	B	Kod	L	d	
19.0	5°	25.4	1014 15 9	80	12	A
19.6	5°	38.1	1014 20 9	84	12	B

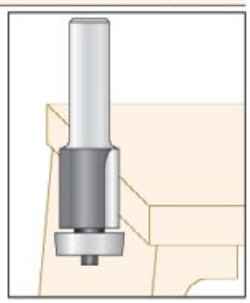
Części zamienne:



A.Łożysko
#191 936 0
22.2x6.3x6.7x5°

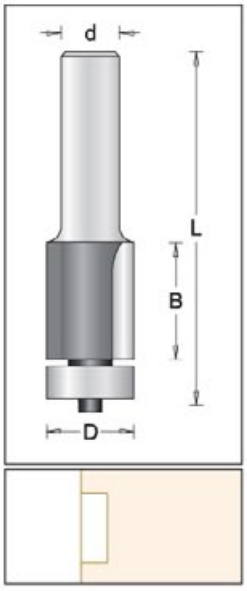


B.Łożysko
#191 999 0
25.4x6.3x7x5°





Frez przycinający

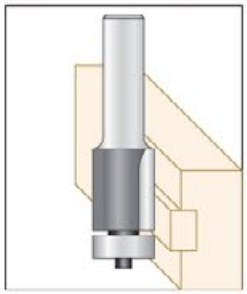


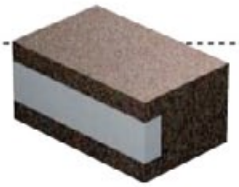
D	B	Kod	L	d
19	25.4	1014 16 9	80	12

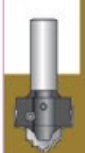
Części zamienne:



Łożysko
#1919 340
19x6.3x6.3

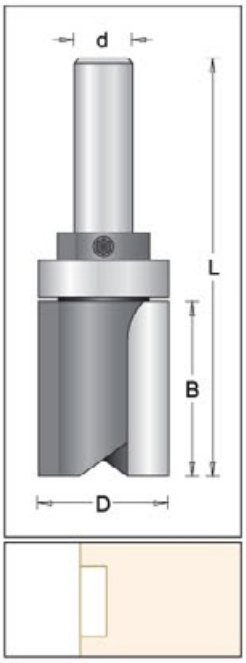








Frez przycinający

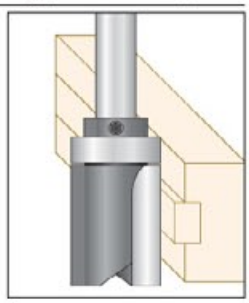


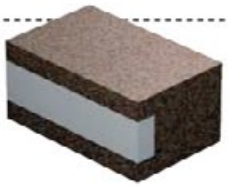
D	B	Kod	L	d
28.6	38.1	1072 39 9	92	12

Części zamienne:

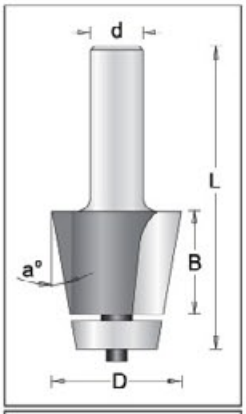


Łożysko
#191 018 0
12.7x28.6x8





Frez skośny



D	a	B	Kod	L	d	
32	12°	25.4	1510 04 9	80	12	A
39	12°	32.0	1510 10 9	78	12	B

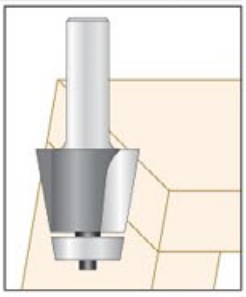
Części zamienne:

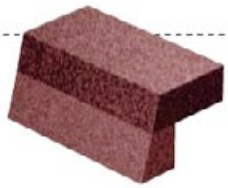


A.Łożysko
#191 932 0
6.3x21.8x6.7x10°



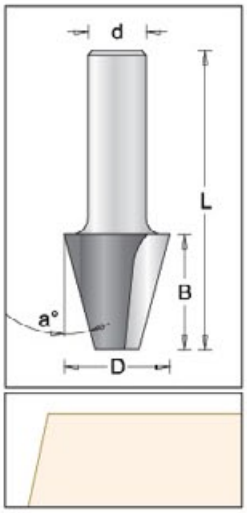
B.Łożysko
#191 999 0
6.3x25.4x7x5°



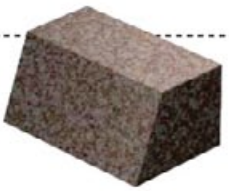


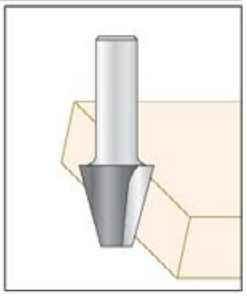


Frez ukośny

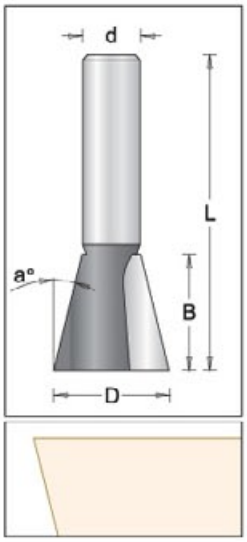


D	a	B	Kod	L	d
24	15°	25.4	1031 13 9	65	12

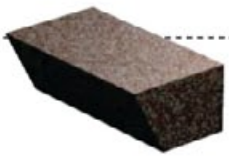


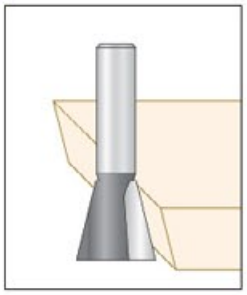


Frez jaskółczy

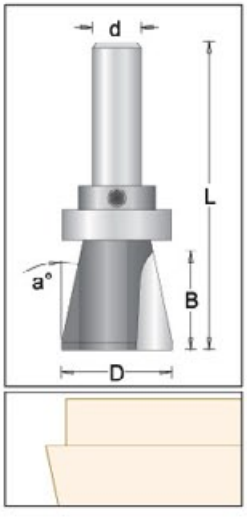


D	a	B	Kod	L	d
25.4	14°	25.4	1040 25 9	69	12





Frez jaskółczy z łożyskiem



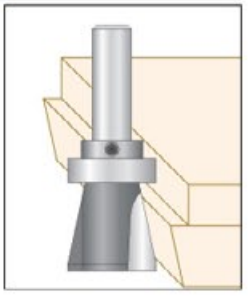
D	a	B	Kod	L	d
28.6	12°	26	1612 44 9	79.4	12

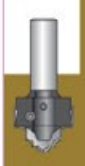
Części zamienne:



Łożysko
#191 018 0
28.6x12.7x8

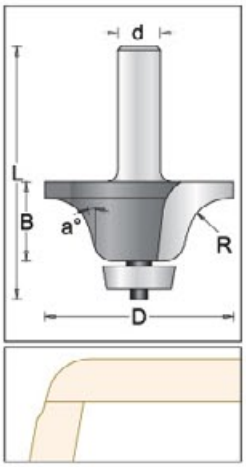








Frez ozdobny do łuków

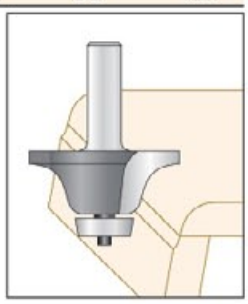


D	a	B	Kod	R	L	d
55	15°	25.4	1520 03 9	13	75	12.0
61	15°	32.0	1520 04 9	14	86	12.7

Części zamienne:

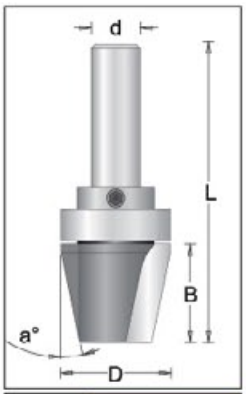


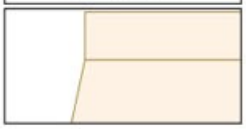
Łożysko
#191 932 0
6.3x21.8x6.7x10°





Frez skośny z łożyskiem



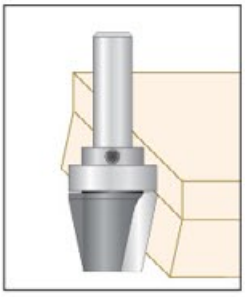


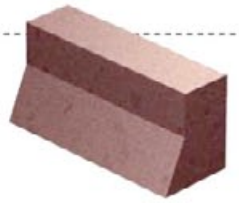
D	a	B	Kod	L	d
28.6	12°	25.4	1612 24 9	77.8	12

Części zamienne:

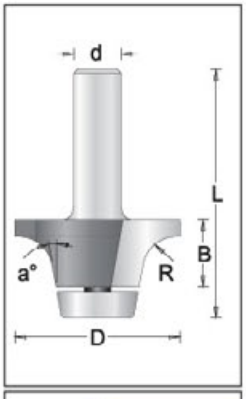


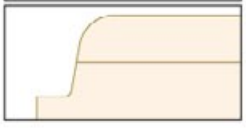
Łożysko
#191 018 0
28.6x12.7x8





Frez ozdobny





D	a	B	Kod	R	L	d
45.2	17°	18.2	1530 05 9	9.5	63.5	12
51.0	17°	18.2	1530 06 9	12.7	63.5	12
54.0	17°	25.4	1530 07 9	12.7	71.5	12
57.0	17°	24.0	1530 08 9	19.0	76.0	12
60.5	12°	22.2	1530 09 9 *	14.2	69.0	12

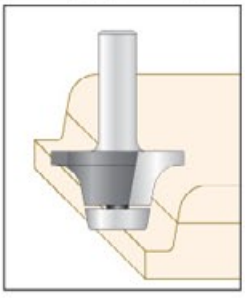
Części zamienne:



Łożysko
#191 936 5
6.3x22.2x6.3x10°



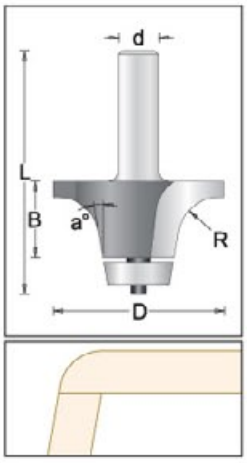
Łożysko *
#191 999 0
6.3x25.4x6.7x5°







Frez ozdobny wklęsły

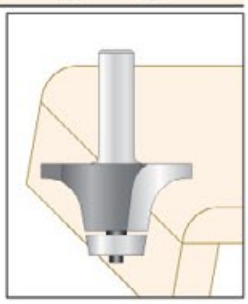


D	a	B	Kod	R	L	d
54	18°	25.4	1530 03 9	13	79	12
57	18°	32.0	1530 04 9	14	85	12

Części zamienne:

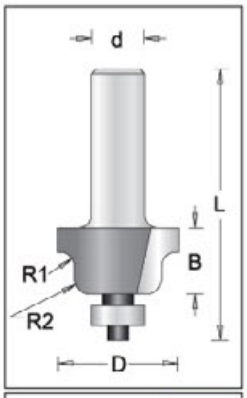


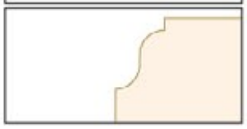
Łożysko
#191 932 0
6.3x21.8x6.7x10°





Frez dekoracyjny do łuków romańskich



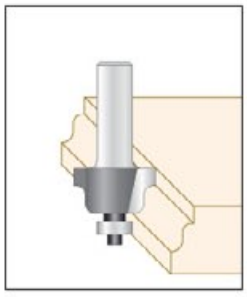


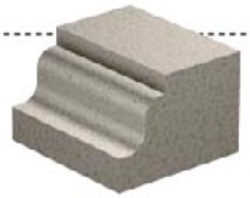
D	B	Kod	R1	R2	L	d
28.6	16	1130 1 09	3.2	4	63	12

Części zamienne:

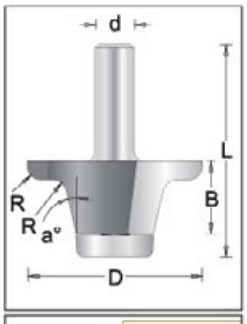


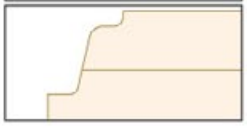
Łożysko
#191 935 0
4.7x12.7x4.8





Frez ozdobny



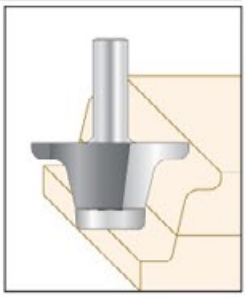


D	a	B	Kod	R1	R	L	d
57	13°	24	1530 1 09	4	5	71	12

Części zamienne:



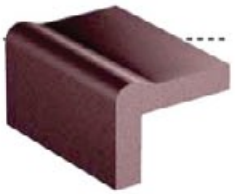
Łożysko
#191 999 0
6.3x25.4x7x5°

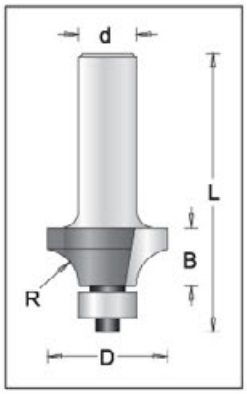






Frez ćwierćwałek do zakończeń



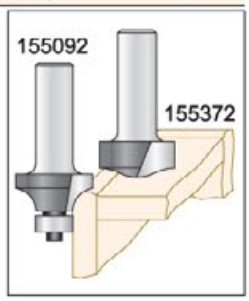


D	R	B	Kod	L	d
28.6	8	13.5	1550 92 3	52	6
	8	13.5	1550 92 9	61	12

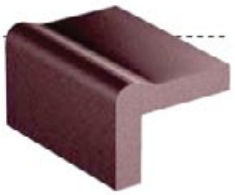
Części zamienne:

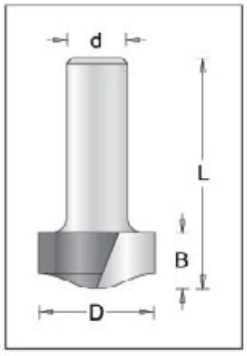


Łożysko
#191 935 0
4.7x12.7x4.8

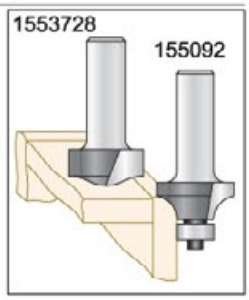


Frez do pracy z wierzchu - oczyszczający

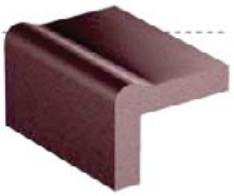


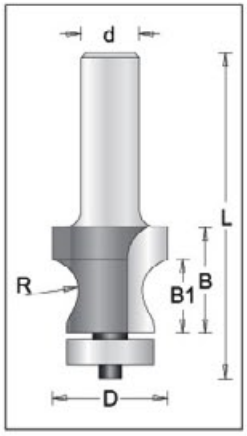


D	B	Kod	L	d
25.4	12.7	1553 72 9	54	12



Frez do pracy z wierzchu - oczyszczający



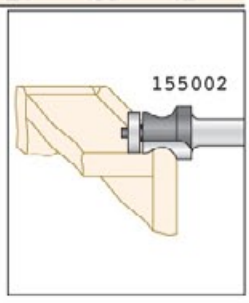


D	R	B	Kod	B1	L	d
25	8	23	1550 02 9	16	77	12
	8	29	1550 03 9	24	83	12

Części zamienne:

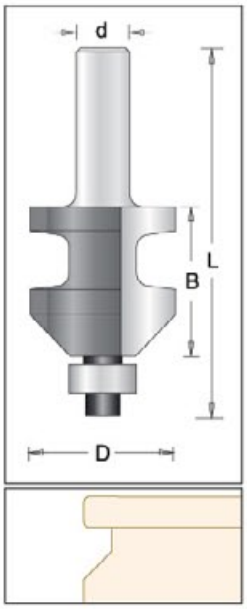


Łożysko
#191 934 0
6.3x19.05x6.5





Frez do zakończeń

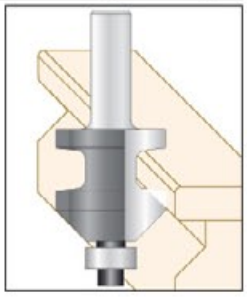


D	B	Kod	L	d
35	36	1564 10 9	89	12

Części zamienne:

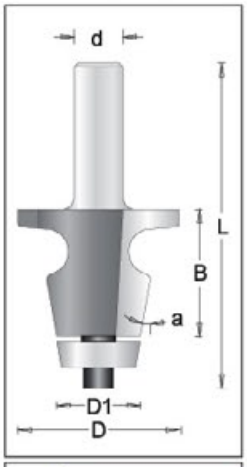


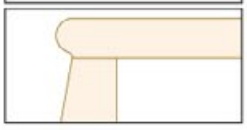
Łożysko
#191 005 0
16x6.3x5





Frez ozdobny profilujący



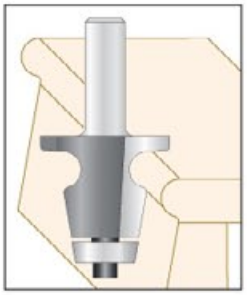


D	D1	B	Kod	a	L	d
42	21.6	33	1554 10 9	10•	82.6	12

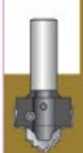
Części zamienne:



Łożysko
#191 932 0
6.3x21.8x6.7x10•

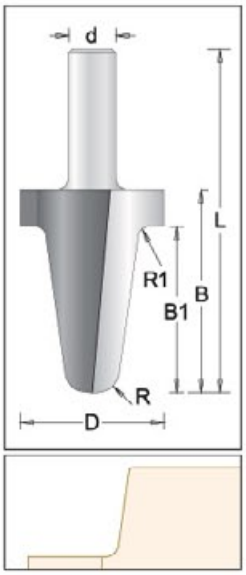




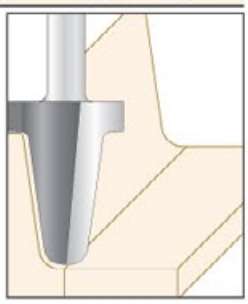


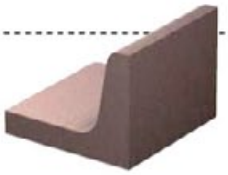


Frez stożkowy do profilowania

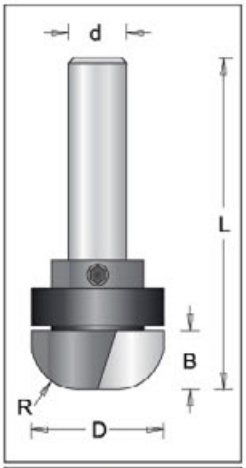


D	B	B1	Kod	R	R1	L	d
39	40	30	1564 01 9	6	3	78	12
	55	45	1564 05 9	6	3	93	12





Frez do profili wklęsłych



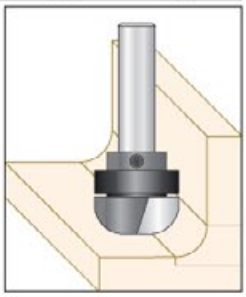


D	B	Kod	R	L	d
28.6	12.7	1062 80 9	10	73	12

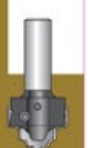
Części zamienne:



Łożysko
#191 944 0
15x28.6x8.5

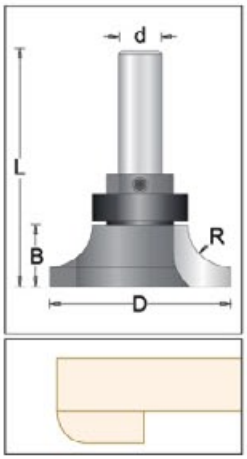








Odwrócony frez ozdobny - ćwierćwałek



D	R	B	Kod	L	d	n
54.0	12.7	20.0	1592 03 9	73	12	
67.0	19.0	25.4	1592 06 9	77	12	18,000
79.4	25.4	30.7	1592 09 9	83	12	18,000

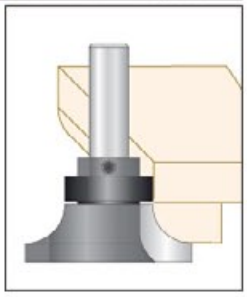


Max. RPM

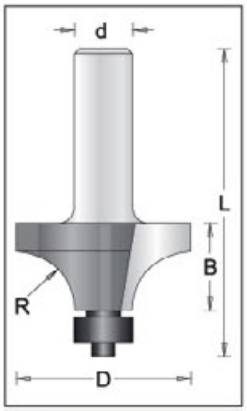
Części zamienne:

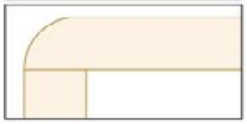


Łożysko
#191 944 0
15x28.6x8.5



Frez ozdobny do krawędzi - ćwierćwałek





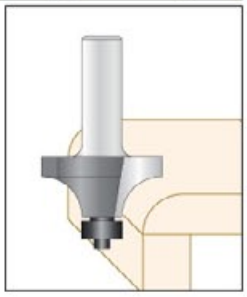
D	R	B	Kod	L	d
38.1	12.7	19.0	1590 03 9	65	12
51.0	19.0	25.4	1590 06 9	73	12



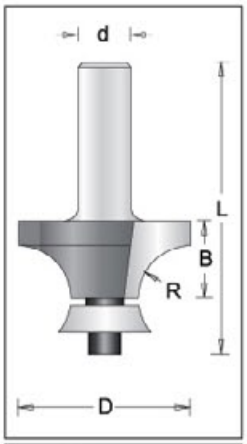
Części zamienne:

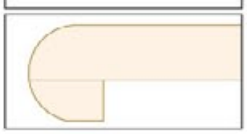


Łożysko
#191 935 0
4.7x12.7x4.8

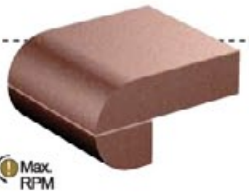


Frez ozdobny ze specjalnym łożyskiem





D	R	B	Kod	L	d		n
41.6	12.7	18.7	1594 01 9	68.4	12	A	18,000
54.2	19.0	25.0	1594 05 9	76.0	12	B	18,000
67.0	25.4	31.4	1594 10 9	82.0	12	C	18,000



Max. RPM

Części zamienne:



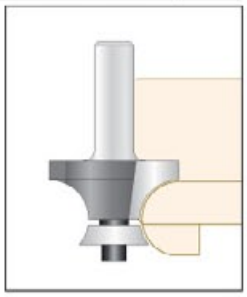
A.Łożysko
#191 996 0
6.3x21.4xR12.7

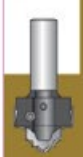


B.Łożysko
#191 997 0
6.3x13.4xR119



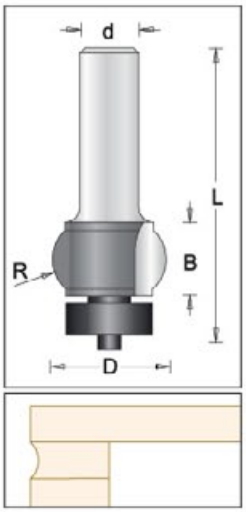
C. Łożysko
#191 998 0
6.3x18.5xR25.4







Frez do zaobleń

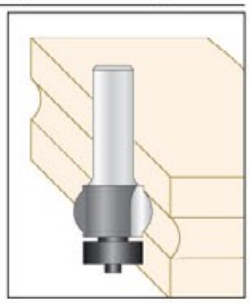


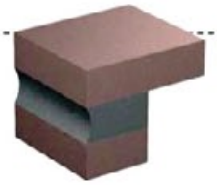
D	R	B	Kod	L	d
25.4	7.9	16	1621 01 9	67	12

Części zamienne:

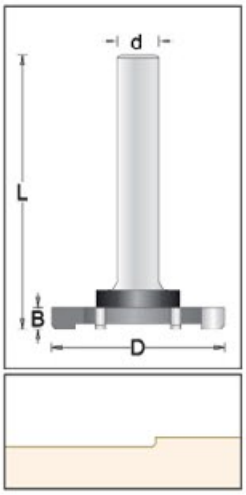


Łożysko
#191 934 0
6.3x19.05x6.5

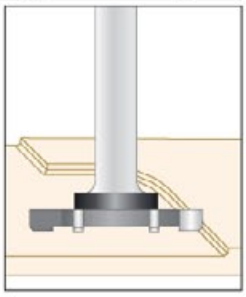


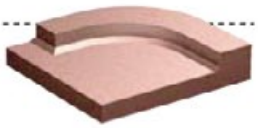


Sześcioostrzowy frez do zbierania



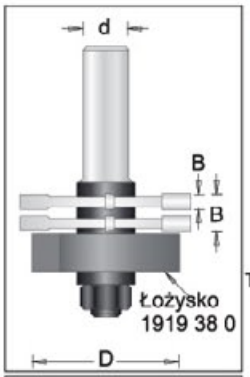
D	B	Kod	L	d
52	6.5	1600 05 9	83	12

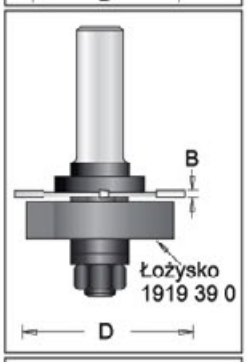


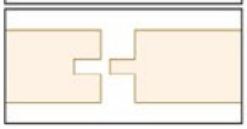




Zestaw pióro wpust do łączeń

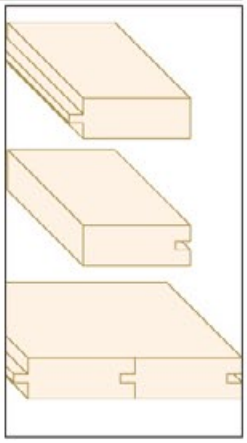






	D	B	Kod	L	d
Zestaw	47.7	10	1084 40 9	76.2	12
Frez (x2)	47.7	4.0	1080 85 0		
Frez47.7	2.0	1080 76 0			





Części zamienne:


Trzpień z nakrętką
#190 004 9
L=76.2


Łożysko
191 938 0
8x43x9.6


Łożysko
#191 939 0
8x40.7x10.5


Przekładka
#192 016 0
6x16


Przekładka
#192 050 0
0.05x16


Przekładka
#192 100 0
0.1x16


Przekładka
#192 011 0
1x16


Przekładka
#192 015 0
3x16


Przekładka
#192 040 0
3.15x16


Przekładka
#192 022 0
4.5x25