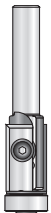
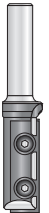
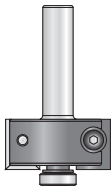
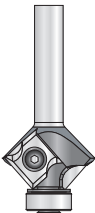
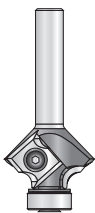
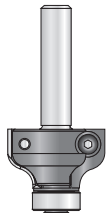
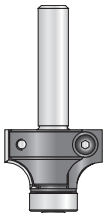
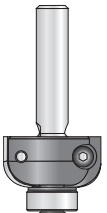


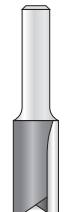
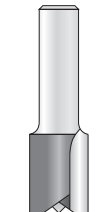
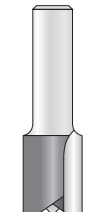
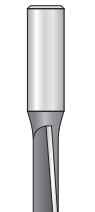
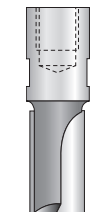
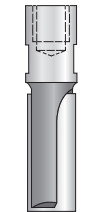
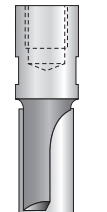
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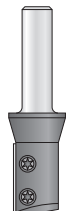
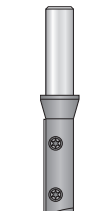
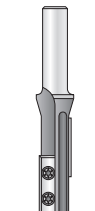
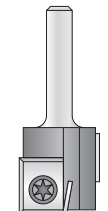
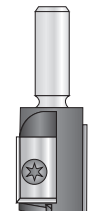
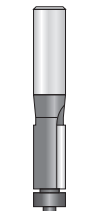
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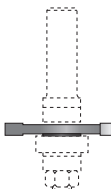
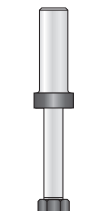
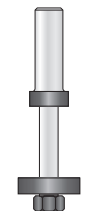
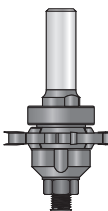
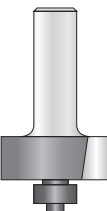
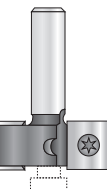
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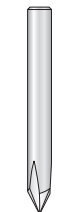
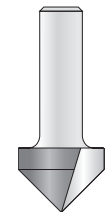
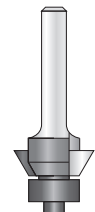
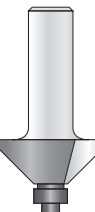
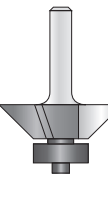
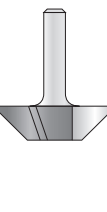
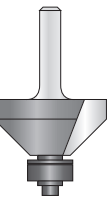


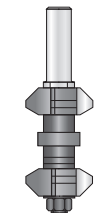
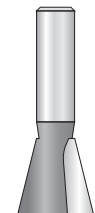
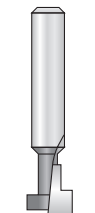
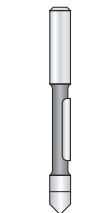
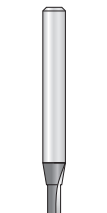
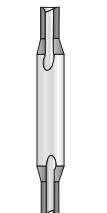
									
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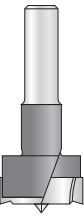
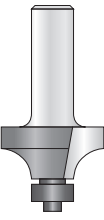
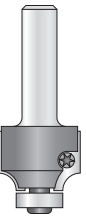
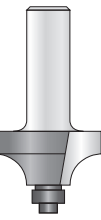
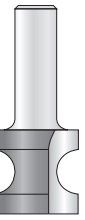
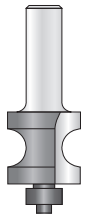
									
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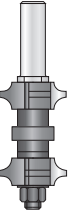
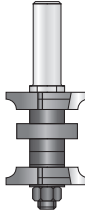
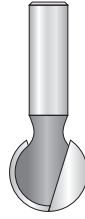
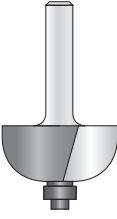
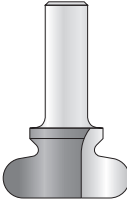
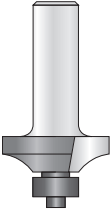
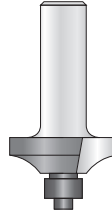
									
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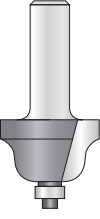
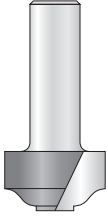
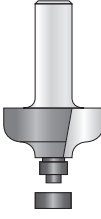
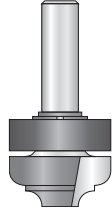
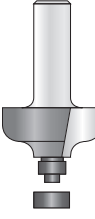
									
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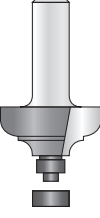
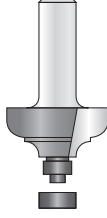
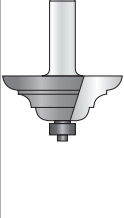
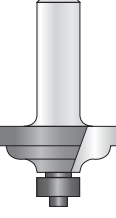
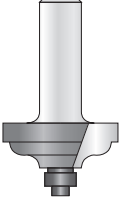
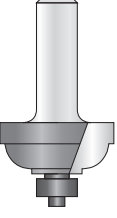
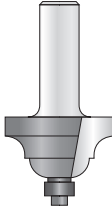
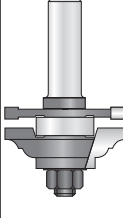
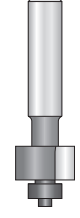
									
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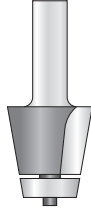
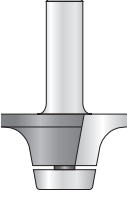
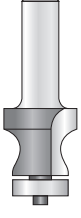
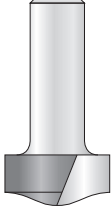
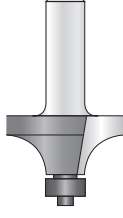
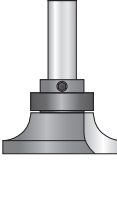
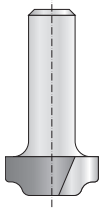
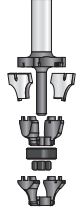
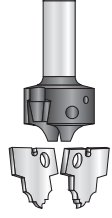
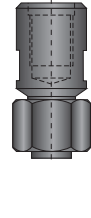
									
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187	187	188	188	189	190	191	192	192	193

									
7738	7739	7742	7602	7730	7769	7735	7747	7743	7744
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7750	7753	7754	7757	7758	7759	7760	7761	7762	7763
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MITBEWERBER
COMPETITOR

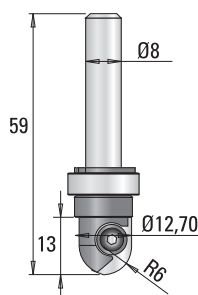
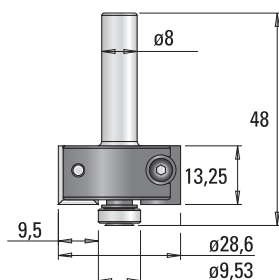
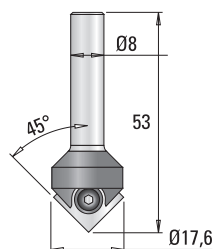
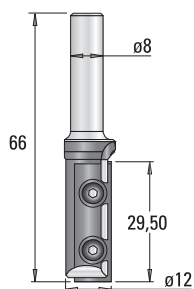
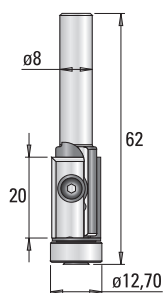
EIN KLEINES WIRTSCHAFTSWUNDER... A LITTLE ECONOMIC MIRACLE...

Bis zu 3-fach höhere Standzeiten! Weitere Informationen auf den Seiten 88/89
Up to a 3-times higher service life! Further Informations on page 88/89

EXTENDED LIFE



7900



HW WPL Oberfräserprogramm

Replaceable Carbide Bits

HW-WPL Bündigfräser / Flush Trimmer Bit

D	I	L	S	Best.-Nr./Part No.	Euro
12,7	20	62	8	7900.127.80	29,95

HW Ersatzplatten	Replacement Knives	Best.-Nr./Part No.	Euro
HW Wendeplatte 20 x 9 x 1,5	HW turnblade 20 x 9 x 1,5	7900.012.90	5,30

HW-WPL Nutfräser / Straight Bit

D	I	L	S	Best.-Nr./Part No.	Euro
12	29,5	66	8	7900.120.80	29,50

HW Ersatzplatten	Replacement Knives	Best.-Nr./Part No.	Euro
HW Wendeplatte 30 x 9 x 1,5	HW turnblade 30 x 9 x 1,5	6233.030.00	6,50

HW-WPL V- Nutfräser / V-Groove Bit

D	I	L	S	Best.-Nr./Part No.	Euro
17,6	45°	53	8	7900.176.80	43,00

HW Ersatzplatten	Replacement Knives	Best.-Nr./Part No.	Euro
HW Wendeplatte 12 x 12 x 1,5	HW turnblade 12 x 12 x 1,5	4200.012.00	1,50

HW-WPL Falzfräser / Super Rebate

D	I	d	S	Best.-Nr./Part No.	Euro
28,6	13,25	9,5	8	7900.286.80	50,00

HW Ersatzplatten	Replacement Knives	Best.-Nr./Part No.	Euro
HW Wendeplatte 13,25 x 9 x 1,5	HW turnblade 13,25 x 9 x 1,5	7900.012.09	4,60

HW-WPL Hohlkehlfräser / Core Box

D	R	L	S	Best.-Nr./Part No.	Euro
12,7	6	59	8	7900.060.80	34,00

HW Ersatzplatten	Replacement Knives	Best.-Nr./Part No.	Euro
HW Wechselplatte 12 x 9 x 1,5 R6,35	HW knife 12 x 9 x 1,5 R6,35	7900.012.63	7,45

HW WPL Oberfräserprogramm

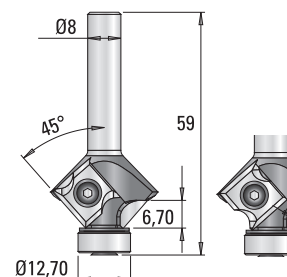
Replaceable Carbide Bits

7900

HW-WPL Fase – R3 Abrundfräser / Bevel and R3 Rounding Bit

D	R / 	L	S	Best.-Nr./Part No.	Euro
25	3 / 45°	59	8	7900.145.80	48,50

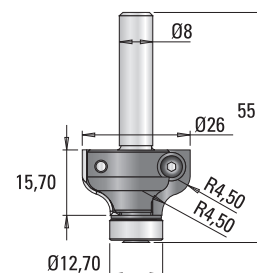
HW Ersatzplatten	Replacement Knives	Best.-Nr./Part No.	Euro
HW Wendeplatte 12 x 12 x 1,5 R3	HW turnblade 12 x 12 x 1,5 R3	7900.012.03	6,75



HW-WPL Profilfräser / Profile Cutter

D	R	L	S	Best.-Nr./Part No.	Euro
26	4,5/4,5	55	8	7900.245.80	59,60

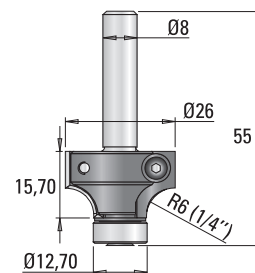
HW Ersatzplatten	Replacement Knives	Best.-Nr./Part No.	Euro
HW Wechselplatte 15,7 x 9 x 1,5 x R4,5	HW knife 15,7 x 9 x 1,5 x R4,5	7900.015.45	7,45



HW-WPL Abrundfräser / Rounding-Over Bit

D	R	L	S	Best.-Nr./Part No.	Euro
26	6	55	8	7900.062.80	50,00

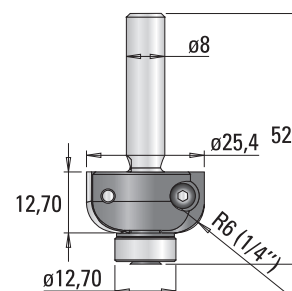
HW Ersatzplatten	Replacement Knives	Best.-Nr./Part No.	Euro
HW Wechselplatte 15,7 x 9 x 1,5 x R6,35	HW knife 15,7 x 9 x 1,5 x R6,35	7900.015.63	7,45



HW-WPL Hohlkehlfraäser / Core Cutter

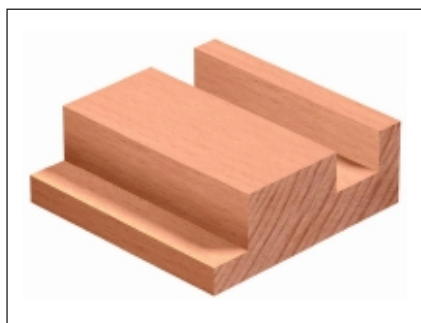
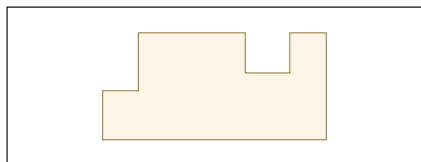
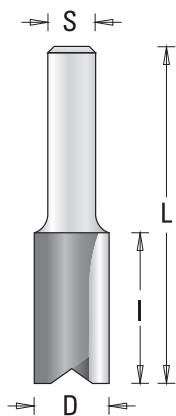
D	R	d	S	Best.-Nr./Part No.	Euro
25,4	6	12,7	8	7900.061.80	50,40

HW Ersatzplatten	Replacement Knives	Best.-Nr./Part No.	Euro
HW Wechselplatte 12,7 x 9 x 1,5 x R6,35	HW knife 12,7 x 9 x 1,5 x R6,35	7900.120.63	7,45



Ersatzteile	Spare parts	Best.-Nr./Part No.	Euro
Spannschraube M3 X 4 SW2	clamping screw M3 X 4 SW2	7900.003.25	7,45
Schraube M3 SW2 für Lager	screw M3 SW2 for bearing	7900.005.40	2,90
Ring 12 / 4,76	ring 12 / 4,76	7900.012.47	1,10
Ring 8 / 4,76	ring 8 / 4,76	7980.001.00	1,10
Kugellager 9,5 x 4,76	ball bearing 9,5 x 4,76	7050.100.95	6,30
Kugellager 12,7 x 4,76	ball bearing 12,7 x 4,76	7050.100.12	7,30
Kugellager 16 x 8	ball bearing 16 x 8	7050.180.16	7,30
Inbusschlüssel SW 2	allen wrench SW 2	4067.020.00	3,70

7520



HW-Nutfräser Z2

HW Straight Bit Z2

S = 6 mm

D	I	L	S	Best.-Nr./Part No.	Euro
1,5	4,5	47	6	7520.015.60	20,90
2	5	43	6	7520.020.60	20,90
2,5	8	48	6	7520.025.60	20,90
3	11	51	6	7520.030.60	21,10
4	11	51	6	7520.040.60	21,60
5	11	51	6	7520.050.60	22,00
5	16	56	6	7520.051.60	18,10
6	19	51	6	7520.060.60	22,40
6	25	57	6	7520.061.60	21,30
6,5	25	57	6	7520.065.60	22,10
7	19	51	6	7520.070.60	25,70
7	25	57	6	7520.071.60	22,10
8	19	51	6	7520.080.60	22,40
8	25	57	6	7520.082.60	23,30
8,5	19	51	6	7520.085.60	24,10
9	19	51	6	7520.090.60	22,10
10	19	51	6	7520.100.60	22,80
10	25	57	6	7520.102.60	24,50
10	32	64	6	7520.101.60	29,60
11	19	51	6	7520.110.60	22,50
11	25	57	6	7520.111.60	25,30
12	19	51	6	7520.120.60	23,70
12	32	64	6	7520.121.60	30,00
12	25	57	6	7520.122.60	25,70
13	19	51	6	7520.130.60	28,30
13	25	57	6	7520.131.60	26,00
13	32	64	6	7520.132.60	26,20
14	19	51	6	7520.140.60	24,50
15	19	51	6	7520.150.60	26,60
15	25	57	6	7520.151.60	26,50
15	32	64	6	7520.152.60	27,60
16	19	51	6	7520.160.60	25,30
16	25	57	6	7520.161.60	26,50
16	32	64	6	7520.162.60	27,60
17	19	51	6	7520.170.60	26,50
18	19	51	6	7520.180.60	26,60
19	19	51	6	7520.190.60	28,00
19	25	57	6	7520.191.60	29,60
20	19	51	6	7520.200.60	27,90
21	19	51	6	7520.210.60	29,20
22	19	51	6	7520.220.60	29,60
25	19	51	6	7520.250.60	31,60

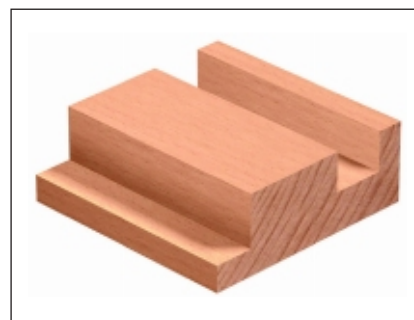
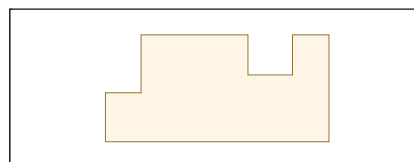
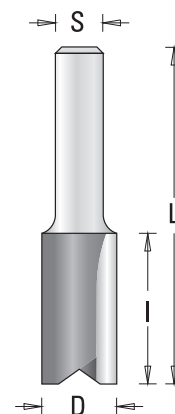
HW-Nutfräser Z2

HW Straight Bit Z2

7520

S = 8 mm

D	I	L	S	Best.-Nr./Part No.	Euro
3	11	51	8	7520.030.80	18,60
4	11	51	8	7520.040.80	19,10
5	11	51	8	7520.050.80	19,40
6	19	57	8	7520.060.80	19,80
6	25	63	8	7520.061.80	21,30
7	19	57	8	7520.070.80	21,40
8	19	57	8	7520.080.80	20,10
8	25	63	8	7520.081.80	28,30
8	25	80	8	7520.082.80	34,70
10	19	51	8	7520.100.80	20,30
10	25	57	8	7520.102.80	24,50
10	32	64	8	7520.101.80	29,60
10	32	80	8	7520.103.80	38,70
11	19	51	8	7520.110.80	22,50
11	25	57	8	7520.111.80	25,30
12	19	51	8	7520.120.80	21,10
12	25	57	8	7520.122.80	25,70
12	32	64	8	7520.121.80	30,00
12	32	80	8	7520.123.80	39,90
13	19	51	8	7520.130.80	24,10
14	19	61	8	7520.140.80	22,00
14	19	70	8	7520.141.80	38,30
14	25	57	8	7520.142.80	24,50
15	19	51	8	7520.150.80	26,60
16	19	51	8	7520.160.80	22,80
16	25	57	8	7520.161.80	26,80
16	25	85	8	7520.162.80	39,50
18	19	51	8	7520.180.80	23,70
18	19	70	8	7520.181.80	41,50
19	19	51	8	7520.190.80	28,00
20	19	51	8	7520.200.80	24,90
20	19	70	8	7520.201.80	41,10
22	19	51	8	7520.220.80	29,60
22	19	70	8	7520.221.80	46,60
24	19	51	8	7520.240.80	31,60
25	19	51	8	7520.250.80	31,60
26	19	51	8	7520.260.80	35,60
28	19	51	8	7520.280.80	35,90

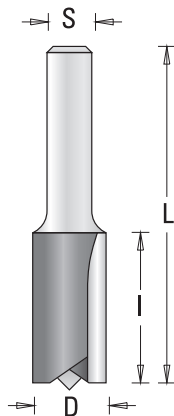


Gmax
EXTENDED LIFE

7523

HW-Nutfräser Z2 mit Bohrschneide

HW Straight Bit Z2 with Center Tip



S = 8 mm

D	I	L	S	Best.-Nr./Part No.	Euro
3	11	51	8	7520.030.80	18,60
4	11	51	8	7520.040.80	19,10
5	11	51	8	7520.050.80	19,40
6	19	57	8	7520.060.80	19,80
7	15	55	8	7523.070.80	29,10
8	20	55	8	7523.080.80	26,60
8	30	90	8	7523.081.80	31,20
9	20	55	8	7523.090.80	35,50
10	20	60	8	7523.100.80	30,50
10	30	90	8	7523.101.80	33,40
11	20	60	8	7523.110.80	36,40
12	20	60	8	7523.120.80	32,10
12	30	90	8	7523.121.80	35,10
13	20	60	8	7523.130.80	39,30
14	20	60	8	7523.140.80	33,00
14	30	90	8	7523.141.80	37,10
15	20	70	8	7523.150.80	33,80
16	20	70	8	7523.160.80	34,20
16	30	90	8	7523.161.80	38,90
18	19	70	8	7523.180.80	35,50
20	19	70	8	7523.200.80	36,70
22	16	70	8	7523.220.80	43,50
24	16	70	8	7523.240.80	44,40
25	16	70	8	7523.250.80	45,60
26	16	70	8	7523.260.80	47,80
28	16	70	8	7523.280.80	52,40
30	16	70	8	7523.300.80	54,90



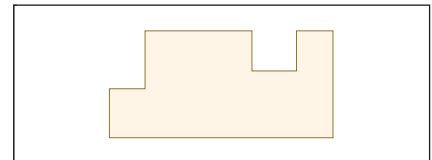
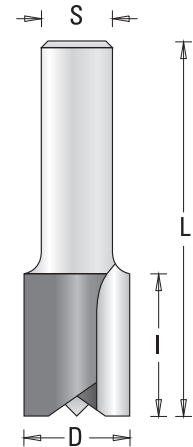
HW-Nutfräser Z2 mit Bohrschneide

HW Straight Bit Z2 with Center Tip

7530

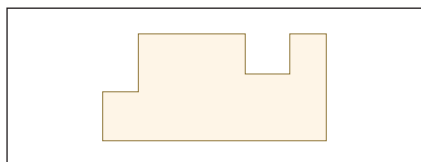
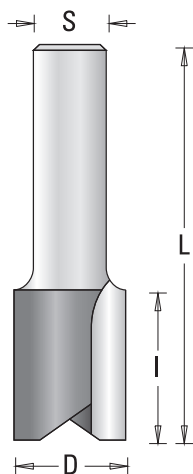
S = 10 mm

D	I	L	S	Best.-Nr./Part No.	Euro
4	11	49	10x35	7530.004.00	24,90
5	12	49	10x35	7530.005.00	25,30
6	14	53	10x35	7530.006.00	27,10
7	15	55	10x35	7530.007.00	28,70
8	20	60	10x35	7530.008.00	31,70
9	20	60	10x35	7530.009.00	33,00
10	23	70	10x35	7530.010.00	34,20
10	40	97	10x50	7530.010.10	43,10
12	23	70	10x35	7530.012.00	36,70
12	40	97	10x50	7530.012.10	43,50
14	23	70	10x35	7530.014.00	38,90
14	40	97	10x50	7530.014.10	44,80
15	25	70	10x35	7530.015.00	41,40
16	25	70	10x35	7530.016.00	42,30
16	45	97	10x50	7530.016.10	44,80
18	25	70	10x35	7530.018.00	44,40
18	45	97	10x50	7530.018.10	48,20
20	25	70	10x35	7530.020.00	46,00
20	45	97	10x50	7530.020.10	52,80
22	25	70	10x35	7530.022.00	49,40
24	25	70	10x35	7530.024.00	54,90
26	25	70	10x35	7530.026.00	62,10
30	25	70	10x35	7530.030.00	69,70



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7534



HW-Nutfräser Z2

HW Straight Bit Z2

S = 12 mm

D	I	L	S	Best.-Nr./Part No.	Euro
4	11	63	12	7534.004.11	21,70
5	11	60	12	7534.005.11	21,70
6	19	64	12	7534.006.19	22,10
7	19	63	12	7534.007.19	21,70
8	19	63	12	7534.008.19	24,10
8	25	69	12	7534.008.25	26,50
10	19	63	12	7534.010.19	24,90
10	25	69	12	7534.010.25	27,30
10	32	76	12	7534.010.32	28,00
12	25	66	12	7534.012.25	27,30
12	32	73	12	7534.012.32	28,80
12	38	79	12	7534.012.38	32,40
12	51	108	12	7534.012.51	41,50
13,5	32	73	12	7534.135.32	30,40
14	25	66	12	7534.014.25	27,60
15	25	66	12	7534.015.25	29,20
16	25	66	12	7534.016.25	28,40
16	32	73	12	7534.016.32	29,60
16	38	79	12	7534.016.38	32,40
16,7	32	73	12	7534.167.32	31,20
17	32	73	12	7534.017.32	30,50
18	25	66	12	7534.018.25	31,20
18	32	73	12	7534.018.32	32,40
18	51	92	12	7534.018.51	56,10
19	25	66	12	7534.019.25	31,20
19	32	73	12	7534.019.32	32,40
19	38	79	12	7534.019.38	35,20
19,8	32	73	12	7534.198.32	38,70
20	25	66	12	7534.020.25	32,30
20	32	73	12	7534.020.32	34,00
20	51	92	12	7534.020.51	60,00
22	25	66	12	7534.022.25	34,40
22	32	73	12	7534.022.32	36,30
22	51	92	12	7534.022.51	64,40
24	19	60	12	7534.024.19	30,80
25	25	66	12	7534.025.25	37,10
25	32	73	12	7534.025.32	38,30
25	38	79	12	7534.025.38	42,30
26	25	66	12	7534.026.25	37,50
27	32	73	12	7534.027.32	49,00
28,6	32	73	12	7534.286.32	55,10
30	25	66	12	7534.030.25	45,00
30	32	73	12	7534.030.32	49,00
35	25	66	12	7534.035.25	47,40
35	32	73	12	7534.035.32	55,70
40	25	66	12	7534.040.25	53,70
40	32	73	12	7534.040.32	66,00
51	32	73	12	7534.051.32	93,60

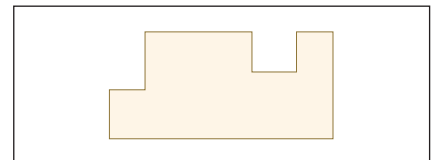
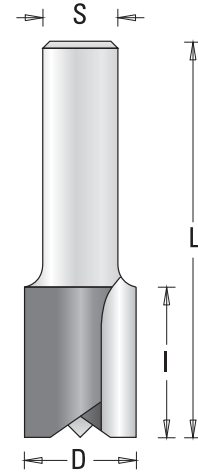
HW-Nutfräser Z2 mit Bohrschneide

HW Straight Bit Z2 with Center Tip

7535

S = 12 mm

D	I	L	S	Best.-Nr./Part No.	Euro
10	35	90	12	7535.010.00	39,30
12	35	90	12	7535.012.00	40,50
12	45	90	12	7535.012.10	46,90
12	51	108	12	7535.012.15	49,00
14	35	90	12	7535.014.00	42,70
14	50	100	12	7535.141.12	56,60
16	35	90	12	7535.016.00	45,20
16	60	100	12	7535.161.12	58,70
18	35	90	12	7535.018.00	48,20
18	45	90	12	7535.181.12	52,40
20	35	90	12	7535.020.00	51,90
20	45	90	12	7535.201.12	57,10
22	35	90	12	7535.022.00	61,20
24	35	90	12	7535.024.00	62,60
30	35	90	12	7535.300.12	76,50



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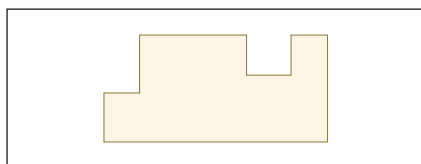
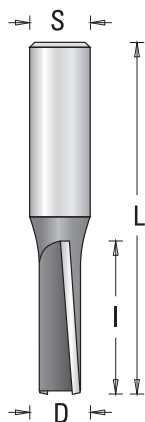
7536

**HW-Nutfräser ziehender Schnitt
einbohrfähig Z2**

**HW Straight Bit –
Shear Angle Z2**

S = 12 mm

D	I	L	S	Best.-Nr./Part No.	Euro
9,5	25,4	70	12	7536.025.12	36,90
12,7	31,8	73	12	7536.031.12	39,50
12,7	38	79	12	7536.038.12	44,10
12,7	50,8	107	12	7536.050.12	57,00



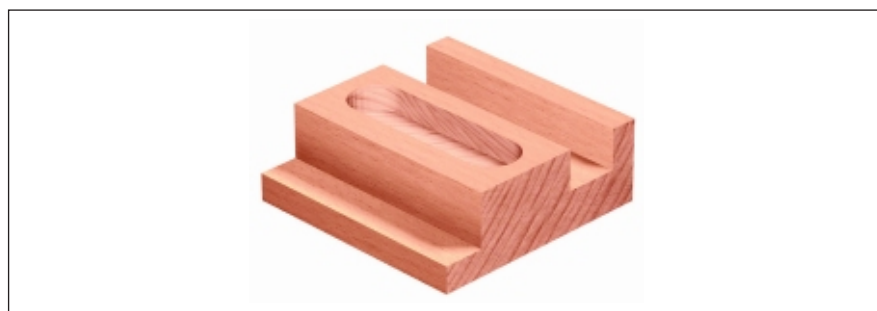
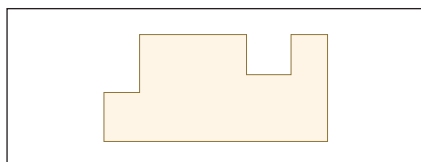
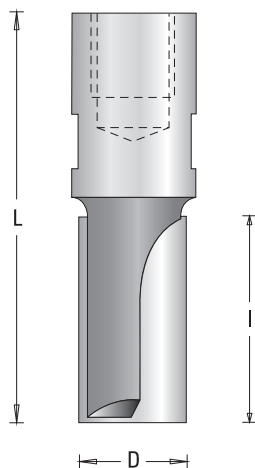
7540

**HW-Nutfräser mit
Bohrschneide Z2**

**HW Straight Bit Z2 with
Center Tip**

Innengewinde = M 10 / inside thread M10

D	I	L	M	Best.-Nr./Part No.	Euro
5	12	50	10	7540.005.00	30,90
6	14	55	10	7540.006.00	32,10
8	20	55	10	7540.008.00	33,80
9	20	55	10	7540.009.00	38,00
10	23	55	10	7540.010.00	36,40
12	23	55	10	7540.012.00	37,60
14	25	55	10	7540.014.00	38,00
15	25	55	10	7540.015.00	41,80
16	25	55	10	7540.016.00	41,40
18	25	55	10	7540.018.00	43,10
20	25	55	10	7540.020.00	45,20
22	25	55	10	7540.022.00	49,80
24	25	55	10	7540.024.00	52,80
25	25	55	10	7540.025.00	53,70
30	25	55	10	7540.030.00	65,10



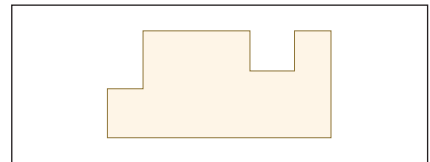
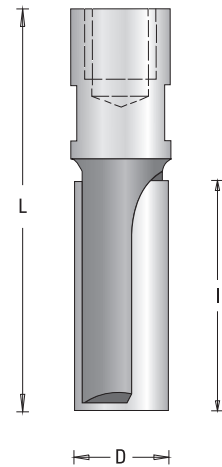
HW-Nutfräser mit Bohrschneide Z2

HW Straight Bit Z2 with Center Tip

7545

Innengewinde = M 10 / inside thread = M10

D	I	L	M	Best.-Nr./Part No.	Euro
8	35	67	10	7545.008.00	41,40
10	35	67	10	7545.010.00	41,80
12	35	65	10	7545.012.00	45,60
14	35	65	10	7545.014.00	46,90
16	45	75	10	7545.016.00	51,60
18	45	75	10	7545.018.00	55,30
20	45	75	10	7545.020.00	58,70
22	45	75	10	7545.022.00	63,40



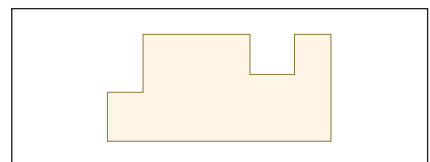
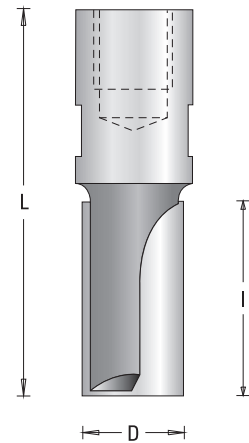
HW-Nutfräser mit Bohrschneide Z2

HW Straight Bit Z2 with Center Tip

7550

Innengewinde = M 12x1 / inside thread = M 12x1

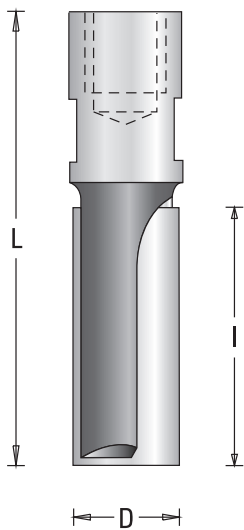
D	I	L	M	Best.-Nr./Part No.	Euro
8	20	60	12x1	7550.008.00	34,60
10	23	60	12x1	7550.010.00	36,40
12	23	60	12x1	7550.012.00	38,90
14	23	60	12x1	7550.014.00	39,70
15	25	60	12x1	7550.015.00	43,10
16	25	60	12x1	7550.016.00	42,30
18	25	60	12x1	7550.018.00	44,80
20	25	60	12x1	7550.020.00	46,50
22	25	60	12x1	7550.022.00	50,30
24	25	60	12x1	7550.024.00	54,10
25	25	60	12x1	7550.025.00	57,80
30	25	60	12x1	7550.030.00	66,70
34	25	60	12x1	7550.034.00	75,60
35	20	60	12x1	7550.035.00	78,60



7555

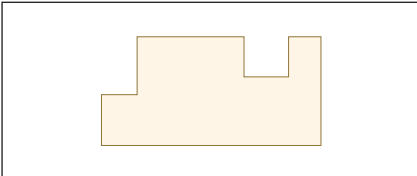
HW-Nutfräser mit
Bohrschneide Z2

HW Straight Bit Z2 with
Center Tip



Innengewinde = M 12 / inside thread M12 x 1

D	I	L	M	Best.-Nr./Part No.	Euro
8	35	67	12x1	7555.008.35	43,90
10	35	67	12x1	7555.010.35	46,50
12	35	67	12x1	7555.012.35	52,40
12	45	77	12x1	7555.012.45	54,10
14	35	67	12x1	7555.014.35	54,50
14	60	92	12x1	7555.014.60	60,00
15	45	77	12x1	7555.015.45	64,60
16	35	67	12x1	7555.016.35	51,60
16	45	77	12x1	7555.016.45	55,30
16	60	92	12x1	7555.016.60	61,70
18	35	67	12x1	7555.018.35	54,90
18	45	77	12x1	7555.018.45	57,80
18	60	92	12x1	7555.018.60	64,20
20	35	67	12x1	7555.020.35	57,80
20	45	77	12x1	7555.020.45	61,20
20	60	92	12x1	7555.020.60	73,10
22	35	67	12x1	7555.022.35	61,70
22	60	92	12x1	7555.022.60	89,50



HW-WPL-Oberfräser Z1

HW Router Cutter Z1

6217

D	I	L	S	Abb./fig.	Best.-Nr./Part No.	Euro
12*	30	77	12	1	6217.120Z30	79,00
14*	30	77	12	1	6217.140Z30	79,40
15*	30	77	12	1	6217.150Z30	79,80
16	30	88	12	2	6217.160Z30	76,80
18	30	88	12	2	6217.180Z30	79,00
20	30	88	12	2	6217.200Z30	80,90
22	30	88	12	2	6217.220Z30	82,80
16	50	107	12	3	6217.160Z50	90,70
18	50	107	12	3	6217.180Z50	93,30
20	50	107	12	3	6217.200Z50	96,60
22	50	107	12	3	6217.220Z50	99,60

Ersatzmesser	Replacement knives	Best.-Nr./Part No.	Euro
HW-Wendeplatte 30x9x1,5*	HW Turn Blade 30x9x1,5*	6233.030.00	6,50
HW-Wendeplatte 30x12x1,5	HW Turn Blade 30x12x1,5	6419.030.00	5,50
HW-Wendeplatte 50x12x1,5	HW Turn Blade 50x12x1,5	6419.050Z00	8,40

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Torx-Spannschraube M 3,5x4,8	Torx-Lock-Screw M 3,5x4,8	6233.000.10	1,60
Torx-Schlüssel (T15)	Torx-Key (T15)	7050.400.00	4,60



Abb./fig. 1

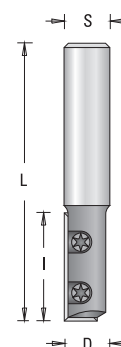


Abb./fig. 2

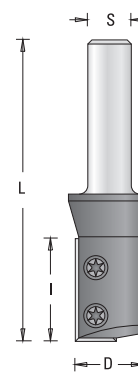
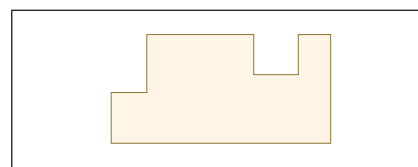
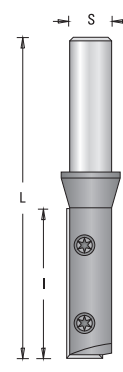


Abb./fig. 3



HW-Oberfräser Z1

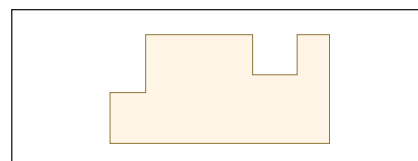
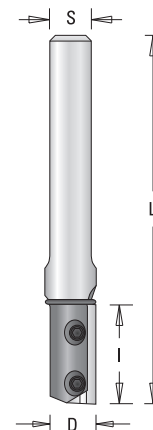
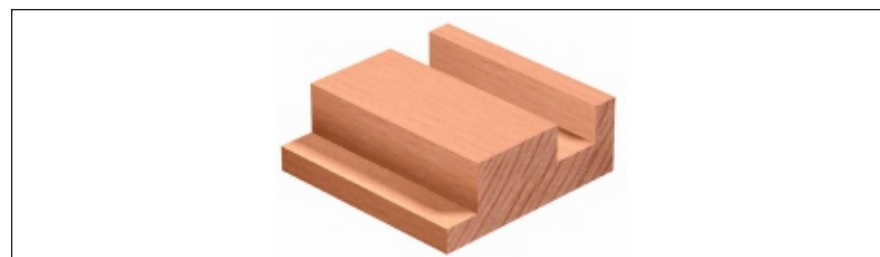
HW Router Cutter Z1

6218

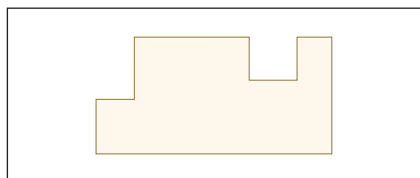
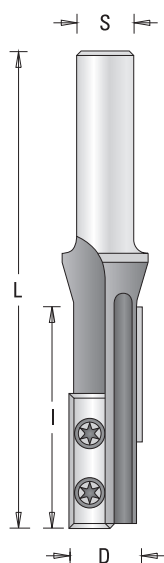
D	I	L	S	Best.-Nr./Part No.	Euro
10	20	71	12	6218.100.20	73,10

Ersatzmesser	HW Turnblade	Best.-Nr./Part No.	Euro
HW Wendeplatte 20x5,5x1,1 mm	HW Turnblade 20x5,5x1,1 mm	6218.020.00	7,75

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Torx Schraube M3X4	Torx-Lock-Screw M3X4	6218.000.20	1,10
Torx Schlüssel (T1,5)	Torx Key (T1,5)	7050.150.00	6,90



7960

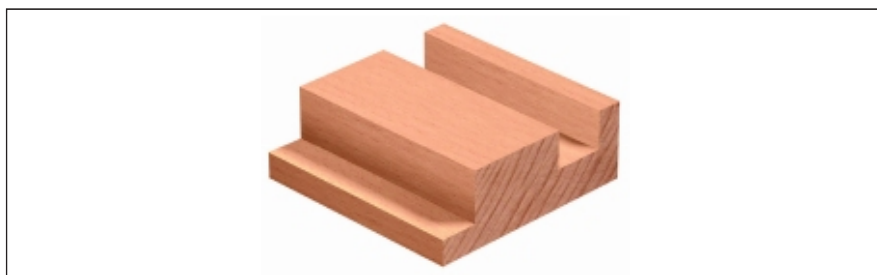


HW-WPL-Oberfräser Z2

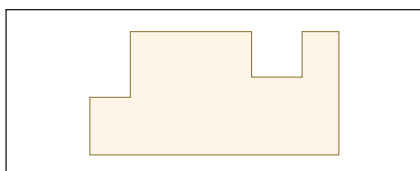
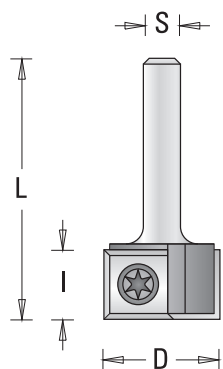
D	I	L	S	Best.-Nr./Part No.	Euro
16*	50	107	12	7960.161Z12	113,20
18	50	107	12	7960.181Z12	116,30
20	50	107	12	7960.201Z12	120,60
22	50	107	12	7960.221Z12	124,70

Ersatzmesser	Replacement knives	Best.-Nr./Part No.	Euro
HW-Wendeplatte 30x9x1,5*	HW Turn Blade 30x9x1,5	6233.030.00	6,50
HW-Wendeplatte 30x12x1,5	HW Turn Blade 30x12x1,5	6419.030.00	5,50

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Torx-Spannschraube M 3,5x4,8	Torx-Lock-Screw M 3,5x4,8	6233.000.10	1,60
Torx-Spannschraube M 4x5,6	Torx-Lock-Screw M 4x5,6	7050.400.12	1,10
Torx-Schlüssel (T15)	Torx-Key (T15)	7050.400.00	4,60



7526

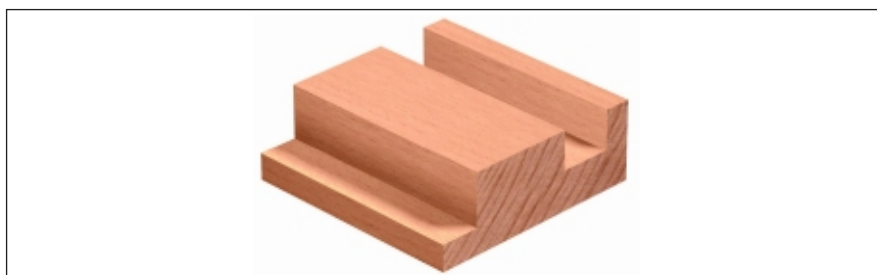


HW-WPL-Falz- und Planfräser Z2

D	I	L	S	Best.-Nr./Part No.	Euro
18	12	44	8	7526.180.80	66,90
20	12	44	8	7526.200.80	69,20
22	12	44	8	7526.220.80	73,00
18	12	50	12	7526.180.12	66,90
20	12	50	12	7526.200.12	69,20
22	12	50	12	7526.220.12	73,00

Ersatzmesser	Replacement knives	Best.-Nr./Part No.	Euro
HW-Wendeplatte 12x12x1,5	HW-Turn Blade 12x12x1,5	4200.012.00	1,50

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Torx-Spannschraube M 4x5,6	Torx-Lock-Screw M 4x5,6	7050.400.12	1,10
Torx-Schlüssel (T15)	Torx-Key (T15)	7050.400.00	4,60



HW-WPL-Nut-Falz-Stulpsfräser Z2 mit Bohrschneide

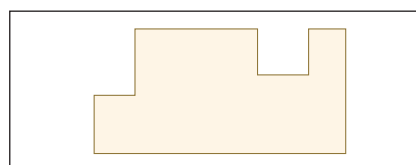
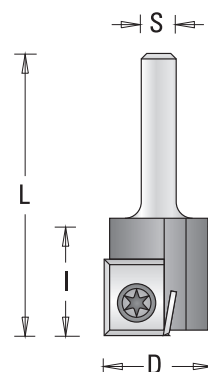
HW Straight and Plunge Bit Z2

7909

D	I	L	S	Best.-Nr./Part No.	Euro
18	20	52	8	7909.180.80	79,50
20	20	52	8	7909.200.80	84,00
22	20	52	8	7909.220.80	86,70
18	20	60	12	7909.180.12	79,50
20	20	60	12	7909.200.12	84,00
22	20	60	12	7909.220.12	86,70

Ersatzmesser	Replacement knives	Best.-Nr./Part No.	Euro
HW-Wendeplatte 12x12x1,5	HW-Turn Blade 12x12x1,5	4200.012.00	1,50

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Torx-Spannschraube M 4x5,6	Torx-Lock-Screw 4x5,6	7050.400.12	1,10
Torx-Schlüssel (T15)	Torx-Key (T15)	7050.400.00	4,60



HW-WPL-Nut- u. Falzfräser mit HW bestückter Bohrschneide

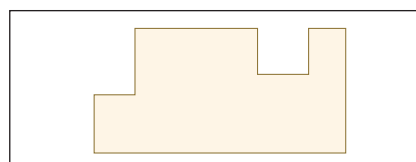
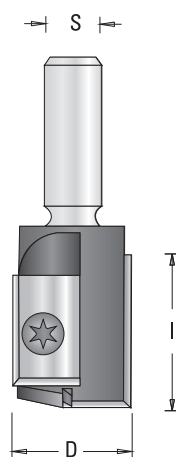
HW Straight and Plunge Bit

7910

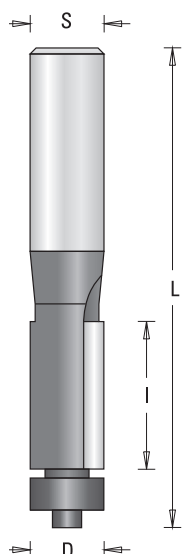
D	I	S	Best.-Nr./Part No.	Euro
16	30	8	7910.160.80	79,40
18	30	8	7910.180.80	81,10
20	30	8	7910.200.80	84,00
22	30	8	7910.220.80	86,60

Ersatzmesser	Replacement knives	Best.-Nr./Part No.	Euro
HW-Wendeplatte 20x12x1,5	HW Turn Blade 20x12x1,5	4200.020.00	1,70
HW-Wendeplatte 30x12x1,5	HW Turn Blade 30x12x1,5	6419.030.00	5,50

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Torx-Spannschraube Großkopf M4x5,9 (T15)	torx-lock-screw M4x5,9	7050.400.10	1,10
Torx-Schraubendreher T15	torx-screw-driver T15	7050.400.00	4,60



7810

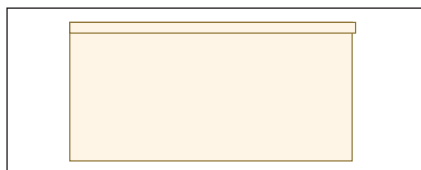


HW-Bündigfräser Z2 mit Anlauflager

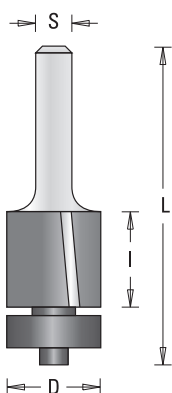
D	I	Z	S	Best.-Nr./Part No.	Euro
12,7	12,7	2	6	7810.127.60	35,50
12,7	25	2	6	7810.128.60	38,50
22	16	2	6	7810.220.60	45,20
12,7	12,7	2	8	7810.127.80	35,50
12,7	25	2	8	7810.128.80	38,50
22	16	2	8	7810.220.80	40,10
12,7	38	2	12	7810.129.12	34,90
12,7	51	2	12	7810.130.12	49,70

Ersatzteile für Ø 12,7 mm	Spare parts for Ø 12,7 mm	Best.-Nr./Part No.	Euro
Kugellager Ø 12,7 x 4,76	Ball Bearing Ø 12,7 x 4,76	7050.100.12	7,30
Inbusschraube Nr. 2	Allen screw no. 2	7980.000.02	1,10
Sicherungsring Nr. 1	safety ring no 1.	7980.001.00	1,10

Ersatzteile für Ø 22 mm	Spare parts for Ø 22 mm	Best.-Nr./Part No.	Euro
Kugellager Ø 22 x 7	Ball Bearing Ø 22 x 7	7050.100.22	8,90
Inbusschraube Nr. 1	Allen screw no. 2	7980.000.01	1,10
Sicherungsring Nr. 1	safety ring no 1.	7980.001.00	1,10



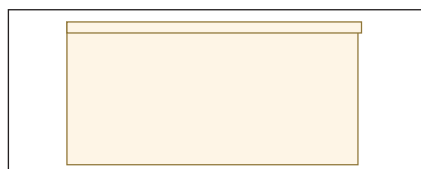
7812



HW-Bündigfräser Z2 ziehend, mit Anlauflager

D	I	L	S	Best.-Nr./Part No.	Euro
16	16	60	8	7812.160.80	28,40
19	16	64	8	7812.191.80	29,20
19	25,4	75	8	7812.192.80	32,60
19	38,1	98,4	12	7812.191.12	53,50
19	50,8	108	12	7812.192.12	62,00

Ersatzteile	Spare parts	Best.-Nr./Part No.	Euro
Kugellager 16 x 5	Ball Bearing 16 x 5	7050.100.14	7,30
Kugellager 19 x 6,35	Ball Bearing 19 x 6,35	7050.100.19	7,30



HW-WPL-Bündigfräser Z2 mit Anlauflager

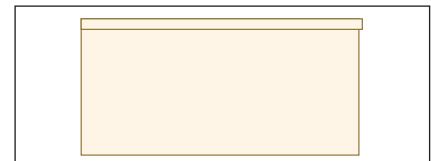
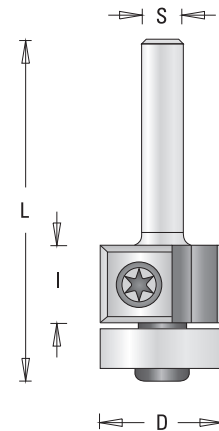
HW Trimming Cutter with Ball Bearing

7920

D	I	S	Best.-Nr./Part No.	Euro
22	12	6	7920.220.60	71,40
22	20	6	7920.221.60	87,50
19	30	8	7920.190.80	74,80
22	12	8	7920.220.80	63,80
22	20	8	7920.221.80	65,50
19	30	12	7920.190Z12	87,10
19	50	12	7920.191.12	110,70

Ersatzwendeplatten	Replacement knives	B	H	St	Best.-Nr./Part No.	Euro
HW-Räumerplatte	HW rakerblade	12	12	1,5	4200.012.00	1,50
HW-Wendeplatte	HW turnblade	20	12	1,5	4200.020.00	1,70
HW-Wendeplatte	HW turnblade	30	12	1,5	4200.030.00	2,35
HW-Wendeplatte 4-seitig	HW turnblade 4 sided	50	12	1,7	6419.050.00	6,40

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager ø 22,0 d7	ball bearing ø 22,0 d7	7050.100.22	8,90
Kugellager ø 19,0 d6	ball bearing ø 19,0 d6	7050.101.19	7,20
Spannmutter M6	clamping nut M6	7050.300.06	1,50
Torx-Spannschraube M4x5,9	torx-lock-screw M4x5,9	7050.400.10	1,10
Torx-Schlüssel (T15)	torx-key (T15)	7050.400.00	4,60



HW-WPL-Bündigfräser Z2 mit Anlauflager, schaftseitig

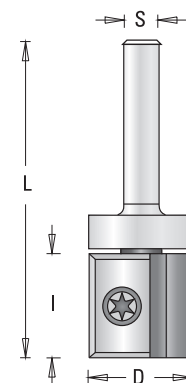
HW Trimming Cutter with Ball Bearing

7925

D	I	S	Best.-Nr./Part No.	Euro
22	20	8	7925.220.80	75,60

Ersatzwendeplatten	Replacement knives	B	H	St	Best.-Nr./Part No.	Euro
HW-Wendeplatte 4-seitig	HW turnblade 4-sites	20	12	1,5	7925.000.20	4,00

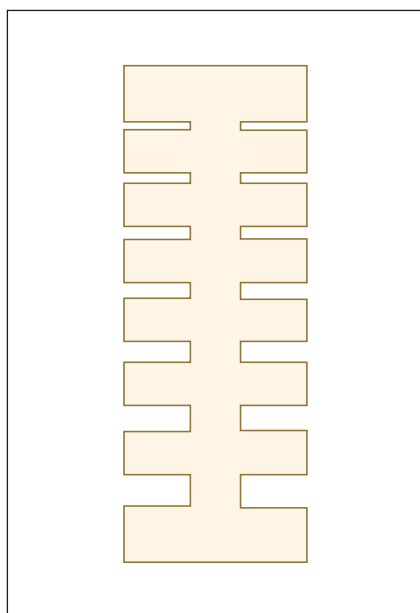
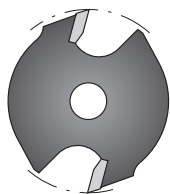
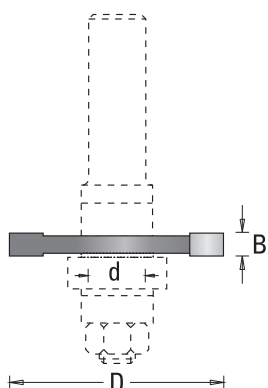
Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager ø 22,0 d8	ball bearing ø 22,0 d8	7050.180.22	8,90
Torx-Spannschraube Großkopf M4x5,9 (T15)	torx-lock-screw M4x5,9	7050.400.10	1,10
Torx-Schraubendreher T15	torx-screwdriver T15	7050.400.00	4,60



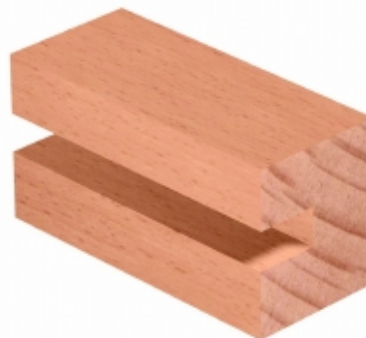
7580

HW-Nutsäge Z2

HW Grooving saw Z2



D	B	d	Best.-Nr./Part No.	Euro
40	1,5	6	7580.015.60	19,70
40	1,6	6	7580.016.60	19,20
40	1,8	6	7580.018.60	19,20
40	2,0	6	7580.020.60	19,20
40	2,2	6	7580.022.60	19,40
40	2,5	6	7580.025.60	19,40
40	2,8	6	7580.028.60	19,80
40	3,0	6	7580.030.60	19,80
40	3,5	6	7580.035.60	20,50
40	4,0	6	7580.040.60	20,50
40	5,0	6	7580.050.60	22,00
40	6,0	6	7580.060.60	24,10
50	2,5	6	7580.250.60	24,50
40	1,5	6,35	7580.015.63	19,70
40	1,6	6,35	7580.016.63	19,20
40	1,8	6,35	7580.018.63	19,20
40	2,0	6,35	7580.020.63	19,20
40	2,2	6,35	7580.022.63	19,40
40	2,5	6,35	7580.025.63	19,40
40	2,8	6,35	7580.028.63	19,80
40	3,0	6,35	7580.030.63	19,80
40	3,5	6,35	7580.035.63	20,50
40	4,0	6,35	7580.040.63	20,50
40	5,0	6,35	7580.050.63	22,00
40	6,0	6,35	7580.060.63	24,10
50	2,5	6,35	7580.250.63	24,50
40	1,5	8	7580.015.80	16,90
40	1,6	8	7580.016.80	16,90
40	1,8	8	7580.018.80	16,90
40	2,0	8	7580.020.80	16,90
40	2,2	8	7580.022.80	17,30
40	2,5	8	7580.025.80	17,30
40	2,8	8	7580.028.80	17,70
40	3,0	8	7580.030.80	17,70
40	3,5	8	7580.035.80	18,20
40	4,0	8	7580.040.80	18,20
40	5,0	8	7580.050.80	19,40
40	6,0	8	7580.060.80	21,60
50	2,5	8	7580.250.80	24,50



Aufnahmedorn / Nutfräser

- Aufnahmedorn zur Aufnahme von Nutsägen mit 8 mm Bohrung.
- Bestehend aus Ringsatz, Anlauflager und Spezialsenkkopfschraube.
- Diese Schraube und der Ring mit angesenkter Bohrung ermöglichen erweiterte Anwendungsmöglichkeiten (s. Abb. A – E).

Erklärung zu Abbildung A – E:

- A = Schraubenkopf versenkt, bei Verwendung mit Nutsägen 7583
 B = dito mit Anlauflager oben
 C = bei Verwendung ohne Anlauflager mit Nutsägen 7580
 D = dito mit Anlauflager oben
 E = dito mit Anlauflager unten

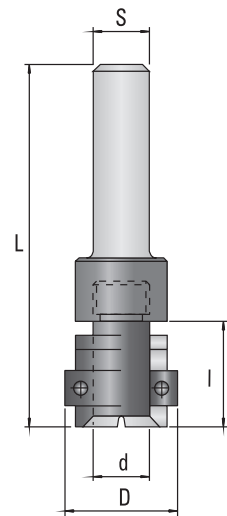
Arbor / Grooving Cutter

- Arbor for mounting of grooving saws with 8 mm bore.
- Consists of ring set, guide bearing and special countersunk screw.
- This screw and the ring with countersunk hole enable extended applications (see fig. A – E).

Explanation of figure A – E:

- A = screwhead countersunk in grooving saw 7583
 B = ditto with guide bearing above;
 C = mounting or grooving saw 7580 without guide bearing
 D = ditto with guide bearing above
 E = ditto with guide bearing below

7583



Aufnahmedorn mit Anlauflager / Arbor with ball bearing

D	d	I	L	S	Best.-Nr./Part No.	Euro
16	8	15	55	8	7583.080Z80	39,00
22	8	15	55	8	7583.081Z80	35,00

Kugellager / Ball bearing

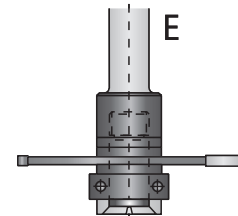
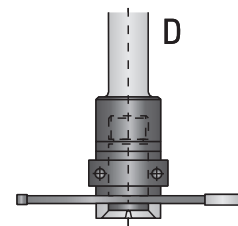
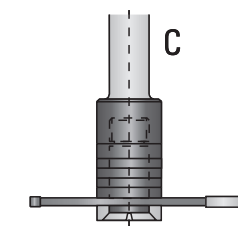
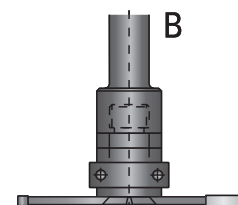
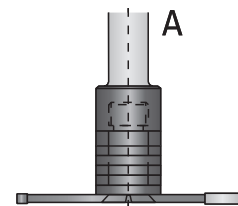
D	d	Best.-Nr./Part No.	Euro
16	8	7050.180.16	7,30
22	8	7050.180.22	8,90

Aufnahmedorn ohne Anlauflager / Arbor without ball bearing

D	d	L	S	Best.-Nr./Part No.	Euro
8	15	55	8	7583.082Z80	33,00

HW-Nutsägen / Z2 mit angesenkter Bohrung / HW grooving saw Z2 with countersunk bore

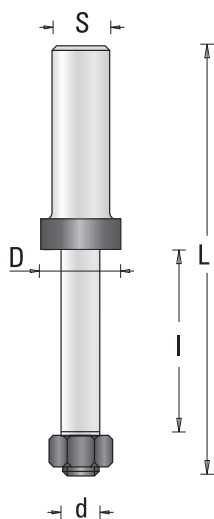
D	B	d	Best.-Nr./Part No.	Euro
40	2,0	8	7583.020.80	32,70
40	2,5	8	7583.025.80	34,40
40	3,0	8	7583.030.80	35,00
40	3,5	8	7583.035.80	36,10
40	4,0	8	7583.040.80	34,80
40	5,0	8	7583.050.80	35,90



7585

Fräsdorn

Arbor



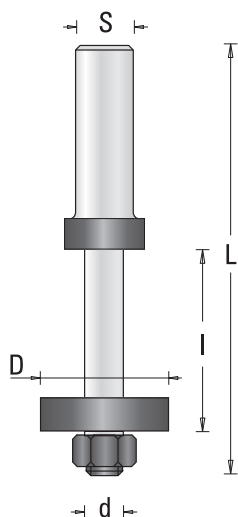
D	l	L	d	S	Best.-Nr./Part No.	Euro
16	4	53	6	6	7585.060.60	10,50
16	4	53	8	6	7585.080.60	10,50
16	4	53	6	8	7585.060.80	10,50
16	4	53	8	8	7585.080.80	9,30

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Spannmutter M 6	lock nut M6	7050.300.06	1,50
Spannmutter M 8	lock nut M8	7050.300.08	1,50

7582

**Aufnahmedorn mit
Anlauf-Kugellager**

Arbor with Ball Bearing Guide



D	l	L	d	S	Best.-Nr./Part No.	Euro
16	12	57	6	8	7582.060Z80	20,60
15,9	12	58	6,35	8	7582.063Z80	20,50
16	13,4	63,5	8	8	7582.080Z80	21,50

HW-Verstellnutter Z2 + 2 mit Anlauflager

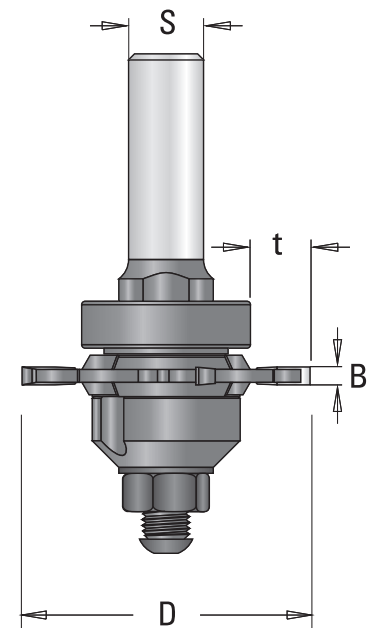
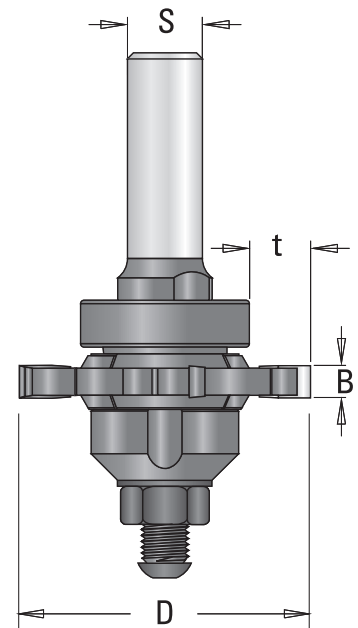
- Einfache Einstellung
- Stufenlose Nutbreiteneinstellung
- Kurze Rüstzeiten
- Gelaserte Scala mit 0,1 mm Einteilung
- Max. Nuttiefe 10,7 mm

HW Adjustable Groover Z2 + 2, with Ball Bearing

- Easy and simple adjustment
- Continuous width adjustment
- Shorter setup time
- Laser etched scale of 0.1 mm
- Max. grooving depth 10,7 mm

7584

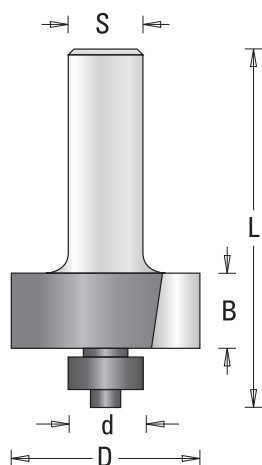
D	L	B	t	S	Best.-Nr./Part No.	Euro
50	79	3,0 – 5,5	10,7	8	7584.305.80	124,40
50	83	5,5 – 10,0	10,7	8	7584.551.80	132,80
50	85	3,0 – 5,5	10,7	12	7584.305.12	124,40
50	89	5,5 – 10,0	10,7	12	7584.551.12	132,80



7710

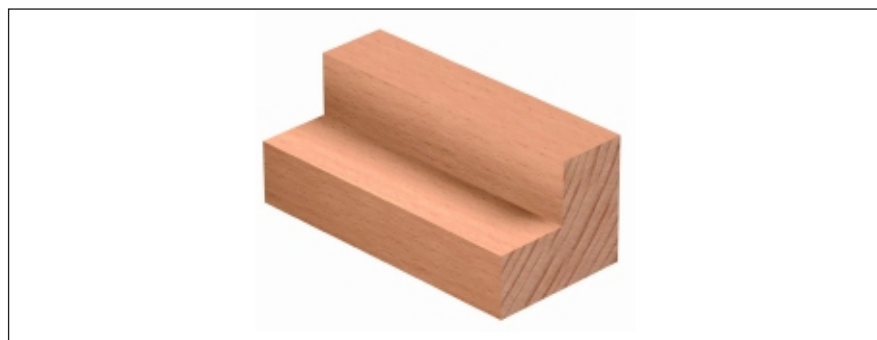
HW-Falzfräser Z2 mit Anlauflager d = 12,7

HW Rebate Cutter with Ball Bearing d = 12,7



D	B	d	S	Best.-Nr./Part No.	Euro
31,8	12,7	12,7	8	7710.318Z80	45,70
35	12,7	12,7	8	7710.350Z80	45,40
31,8	12,7	12,7	12	7710.318Z12	45,70
35	12,7	12,7	12	7710.350Z12	47,60

Ersatzteile	Spare parts	Best.-Nr./Part No.	Euro
Kugellager Ø 12,7 x 4,76	ball bearing Ø 12,7 x 4,76	7050.100.12	7,30



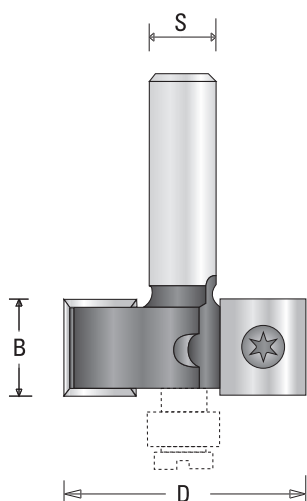
7525

HW-WPL-Falz- und Planfräser Z2

HW Rebating and Recessing Cutter Z2

- Mit Abdeckschraube, ohne Kugellager-anlaufring
- In Verbindung mit dem Anlaufsatz 7020.090.00 ist eine Falztiefe von 10 mm erreichbar

- with cover screw, without ball bearing guide ring
- in connection with the guide ring set 7020.090.00 a rebate depth of 10 mm is reachable



D	B	S	Best.-Nr./Part No.	Euro
30	12	8	7525.300.80	63,00

Ersatzwendeplatten	Replacement knives	Best.-Nr./Part No.	Euro
HW-Räumerplatte 12x12x1,5	HW racer knife 12x12x1,5	4200.012.00	1,50

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Torx-Spannschraube M4x5,9 (T15)	torx-lock-screw M4x5,9 (T15)	7050.400.10	1,10
Torx-Schraubendreher T15	torx-screwdriver T15	7050.400.00	4,60

HW-WPL-Falzfräser Z2 Anlauflager

D	B	L	d	S	Best.-Nr./Part No.	Euro
38,1	12	66	12,7	12	7527.381.12	136,30

Ersatzmesser	Replacement knives	Best.-Nr./Part No.	Euro
HW-Wendeplatte 12x12x1,5	HW turnblade 12x12x1,5	4200.012.00	1,50

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager 12,7x6,35	ball bearing 12,7x6,35	7050.101.12	7,30
Unterlegscheibe 7,5x3,25x1	washer 7,5x3,25x1	7527.001.00	0,70
Distanzring 9,5x6,5x2,2	distance ring 9,5x6,5x2,2	7527.010.00	0,75
Schraube für Lagerbefestigung M3	screw M3	7527.000.15	0,75
Torx-Spannschraube M 4x5,6	torx-lock-screw M 4x5,6	7050.400.12	1,10
Torx-Schlüssel (T15)	torx-key (T15)	7050.400.00	4,60

Anlaufringe von 7528 einsetzbar

Ball bearings from 7528 can be used

HW-WPL-Falzfräser Z2 mit Anlauflager

D	B	L	d	S	Best.-Nr./Part No.	Euro
50,8	29,5	84	19	12	7528.508.12	175,40

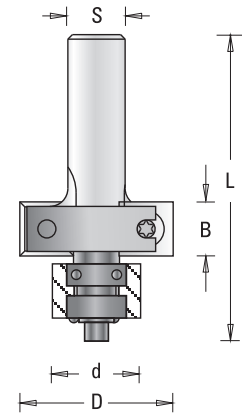
Ersatzmesser	Replacement knives	Best.-Nr./Part No.	Euro
HW-Wendeplatte 29,5x12x1,5	HW turnblade 29,5x12x1,5	6419.030.00	5,50

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager 12,7x6,35	ball bearing 12,7x6,35	7050.101.12	7,30
Unterlegscheibe 7,5x3,25x1	washer 7,5x3,25x1	7527.001.00	0,70
Distanzring 9,5x6,5x2,2	distance ring 9,5x6,5x2,2	7527.010.00	0,75
Schraube für Lagerbefestigung M3	screw M3	7527.000.15	0,75
Torx-Spannschraube M 4x5,6	torx-lock-screw M 4x5,6	7050.400.12	1,10
Torx-Schlüssel (T15)	torx-key (T15)	7050.400.00	4,60

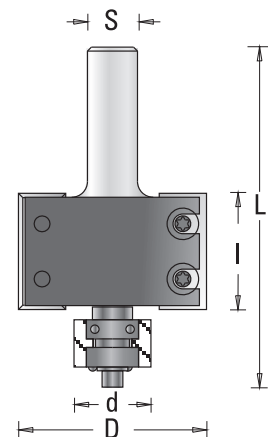
Anlaufringe / Selection of Rings

Ring Ø	für / for t =	Best.-Nr./Part No.	Euro
14,3	18,2	7528.143.18	5,40
15,9	17,4	7528.159.17	5,40
19	15,9	7528.190.16	5,40
20,6	15,1	7528.206.15	5,40
22,2	14,3	7528.222.14	5,40
25,4	12,7	7528.254.13	5,40
27	11,9	7528.270.12	6,10
28,6	11,1	7528.286.11	6,10
31,7	9,5	7528.317.95	6,10
32,5	9,1	7528.325.91	6,10
34,9	7,9	7528.349.79	6,10
38,1	6,3	7528.381.63	6,50
38,9	5,9	7528.389.59	6,50
41,3	4,7	7528.413.47	6,50
44,4	3,2	7528.444.32	6,50
47,6	1,6	7528.476.16	6,50

7527



7528

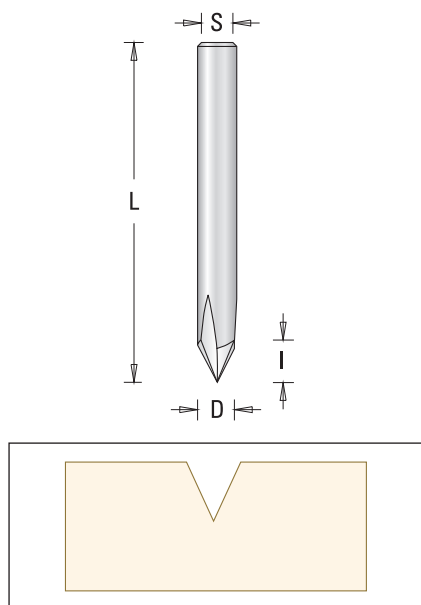


14,3	22,2
15,9	25,4
19,0	27,0
20,6	28,6
31,7	38,9
32,5	41,3
34,9	44,4
38,1	47,6

7601

VHM-Gravierfräser Z2

Solid Carbide Grooving and Engraving Cutter Z2



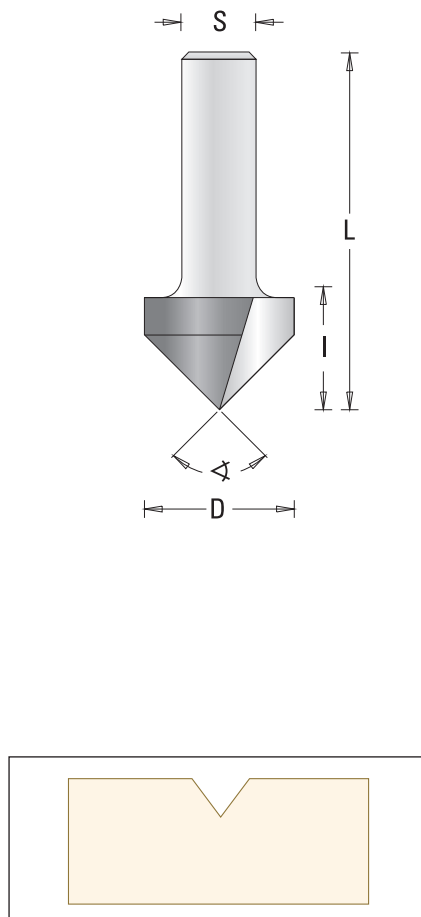
D	I	L	$\angle$	S	Best.-Nr./Part No.	Euro
8	7	70	60°	8	7601.080.80	57,40



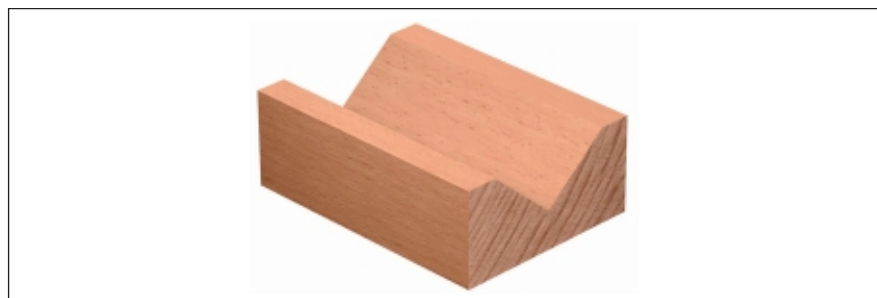
7605

HW-V-Nutfräser Z2

V Groove Bit Z2



D	I	L	$\angle$	S	Best.-Nr./Part No.	Euro
16	12,7	41,3	90°	6	7605.160Z60	38,80
9,5	11	45	90°	8	7605.095Z80	24,20
12,7	16	47,5	60°	8	7605.127Z80	24,60
12,7	16	47,5	70°	8	7605.128Z80	24,60
12,7	12,7	44	90°	8	7605.129Z80	24,60
16	12,7	45	90°	8	7605.160Z80	38,80
19,1	16	48	90°	8	7605.191Z80	42,20
25,4	19,1	51	90°	8	7605.254Z80	46,40
9,5	11	52	90°	12	7605.095Z12	24,20
12,7	12,7	55	90°	12	7605.127Z12	24,60
16	12,7	51	90°	12	7605.160Z12	38,80
19,1	16	54	90°	12	7605.191Z12	42,20
25,4	19,1	57	90°	12	7605.254Z12	46,40
31,8	25,4	63,5	90°	12	7605.318Z12	58,00
38,1	31,8	70	90°	12	7605.381Z12	64,50
51	44,5	83	90°	12	7605.510Z12	143,20

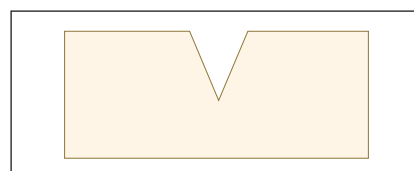
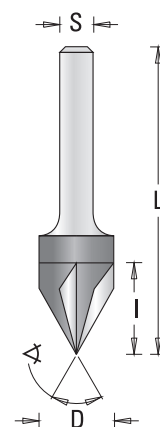
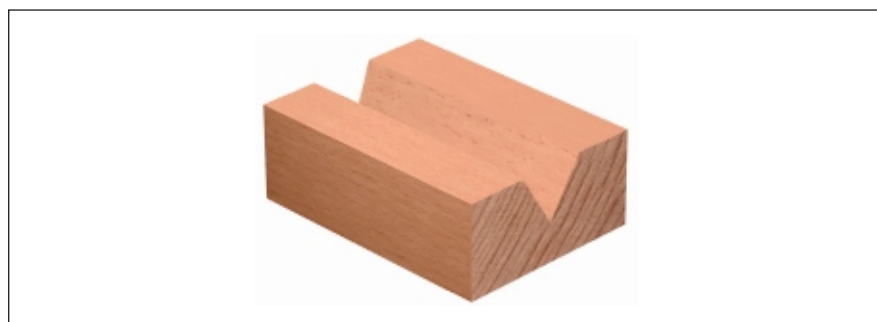


HS / HW V-Nutfräser

HS / HW V Groove Bit

7200 / 7600

	D	Z	S		Best.-Nr./Part No.	Euro
HS	11	2	6	60°	7200.110.60	11,50
HS	11	2	8	60°	7200.110.80	11,50
HW	14	3	8	60°	7600.140Z80	60,30



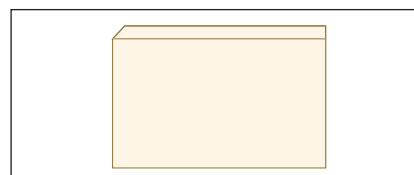
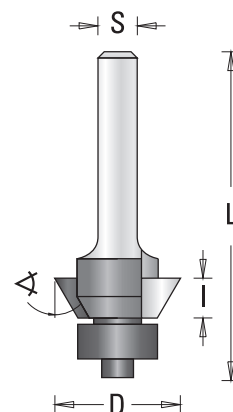
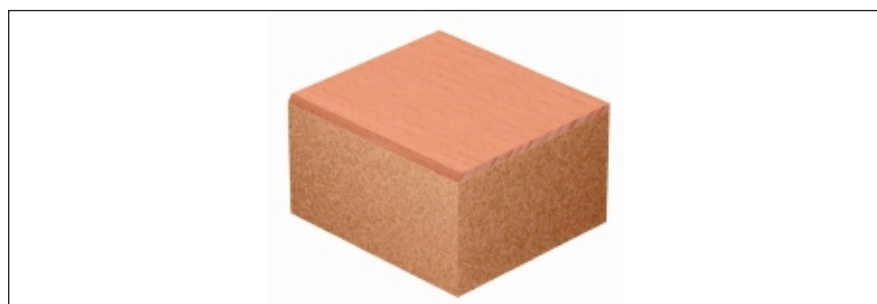
HW-Fasefräser Z2 mit Anlauflager

Bevel Trimmer Z2 with Ball Bearing

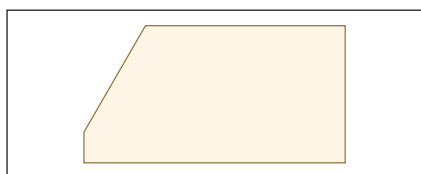
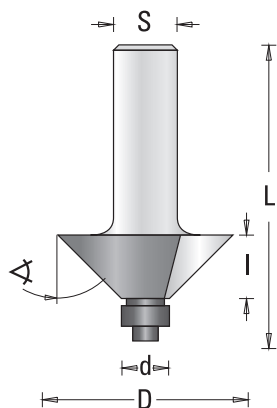
7713

D	I	L	d		S	Best.-Nr./Part No.	Euro
15,9	6,3	53	12,7	15°	8	7713.159.80	21,10
19,1	6,3	53	12,7	25°	8	7713.191.80	21,10

Ersatzteile	Spare parts	Best.-Nr./Part No.	Euro
Kugellager Ø 12,7 x 4,76	ball bearing Ø 12,7 x 4,76	7050.100.12	7,30



7714



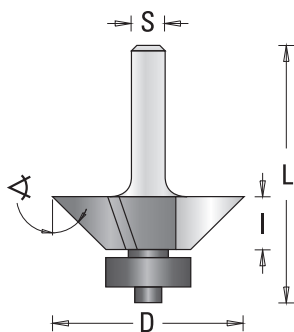
HW-Fasefräser Z2 mit Anlauflager

D	I	L	∠	d	S	Best.-Nr./Part No.	Euro
31,8	12,7	54,5	45°	12,7	8	7714.318.80	35,70
31,8	12,7	60	45°	12,7	12	7714.318.12	35,70
34,9	20,6	71	30°	12,7	12	7714.349.12	37,60
50,8	19,1	69	45°	12,7	12	7714.508.12	114,40
60,5	25,4	74	45°	12,7	12	7714.605.12	118,20
76,2	25,4	80	45°	25,4	12	7714.762.12	126,20

Ersatzteile	Spare parts	Best.-Nr./Part No.	Euro
Kugellager Ø 12,7 x 4,76	ball bearing Ø 12,7 x 4,76	7050.100.12	7,30
Kugellager Ø 25,4 x 6,3	ball bearing Ø 25,4 x 6,3	7050.200.25	9,80



7715



HW-Fasefräser Z3 mit Kugellager

D	I	L	∠	Z	S	Best.-Nr./Part No.	Euro
19	10	53	15°	3	8	7715.190.80	42,20
22,2	10	53	25°	3	8	7715.222.80	42,20
30	10	53	45°	3	8	7715.300.80	53,40

Ersatzteile	Spare parts	Best.-Nr./Part No.	Euro
Kugellager Ø 16 x 5	ball bearing Ø 16 x 5	7050.100.14	7,30

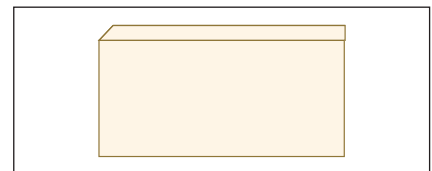
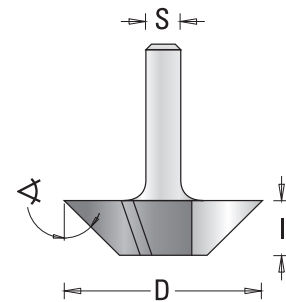


HW-Fasefräser Z2

HW Bevel Cutter Z2

7715

D	I	$\angle$	S	Z	Best.-Nr./Part No.	Euro
24	12	15°	6	2	7715.015.60	26,40
24	12	30°	6	2	7715.030.60	26,70
24	12	45°	6	2	7715.045.60	32,40
24	12	30°	6,35	2	7715.030.63	28,60
24	12	45°	6,35	2	7715.045.63	34,40
24	12	15°	8	2	7715.015.80	26,40
24	12	30°	8	2	7715.030.80	26,70
24	12	45°	8	2	7715.045.80	32,40



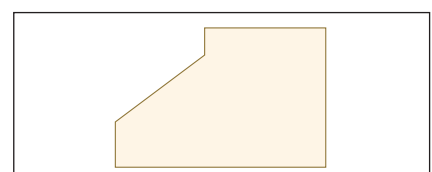
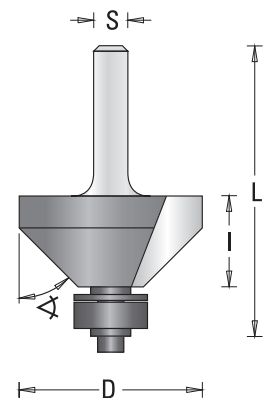
HW-Fasefräser Z2 mit Anlaufleger

HW Bevel Cutter Z2 with Ball Bearing

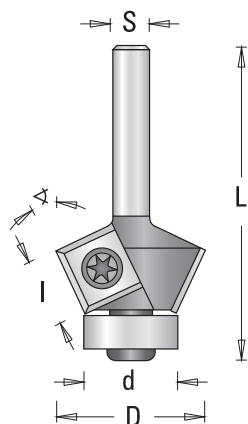
7725

D	I	L	$\angle$	d	S	Best.-Nr./Part No.	Euro
24	9,5	56,5	15°	12,7	8	7725.240Z80	28,00
35	18	57,0	45°	19	8	7725.350Z80	62,60
35	18	67,0	45°	19	12	7725.350Z12	62,60

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager 12,7 x 4,76	ball bearing 12,7 x 4,76	7050.100.12	7,30
Kugellager 19 x 6,35	ball bearing 19 x 6,35	7050.100.19	7,30



7930



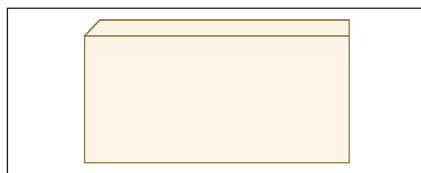
HW-WPL-Fasefräser Z2 mit Anlauflager

D		d	S	Best.-Nr./Part No.	Euro
32	45°	15,9	6	7930.045.60	76,90
20	15°	15,9	8	7930.015Z80	81,40
24	25°	15,9	8	7930.025Z80	81,40
26	30°	15,9	8	7930.030Z80	91,40
32	45°	15,9	8	7930.045.80	73,10

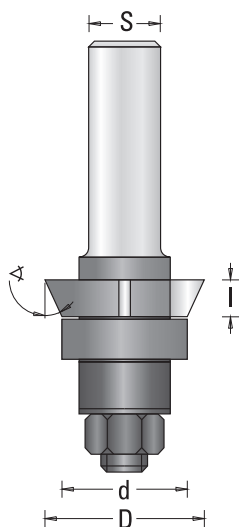
HW Turnblade Bevel Cutter Bit Z2 with Ball Bearing

Ersatzwendeplatten	B	H	St	Best.-Nr./Part No.	Euro
HW-Räumerplatte / HW rakerblade	12	12	1,5	4200.012.00	1,50

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager ø 15,9 d 6,35	ball bearing ø 15,9 d 6,35	7050.100.15	7,30
Torx-Spannschraube Großkopf M4x5 (T15)	torx-lock-screw	7050.400.12	1,10
Torx-Schraubendreher T15	torx-screwdriver T15	7050.400.00	4,60



7716

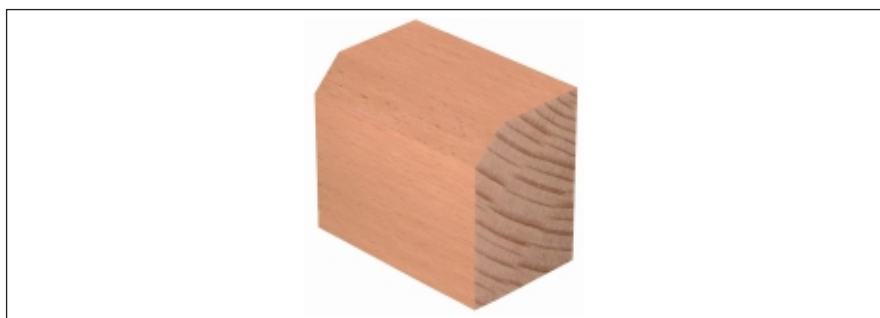
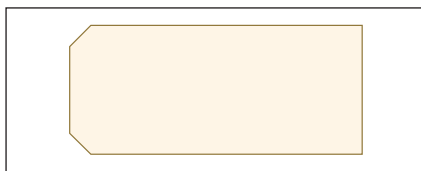


HW Fasefräsersatz, oben

D	I	L	d		S	Best.-Nr./Part No.	Euro
25,4	6,5	76	22	15°	12	7716.254.12	45,40
27	6,5	76	22	25°	12	7716.270.12	45,40
34	6,5	76	22	45°	12	7716.340.12	73,10

HW Bevel Cutter Set

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Fräser oben 25,4 x 6,5 x 8, Z4, 15°	Top Cutter 25,4 x 6,5 x 8, Z4, 15°	7716.254.15	23,40
Fräser oben 27 x 6,5 x 8, Z4, 25°	Top Cutter 27 x 6,5 x 8, Z4, 25°	7716.027.25	23,40
Fräser oben 34 x 6,5 x 8, Z4, 45°	Top Cutter 34 x 6,5 x 8, Z4, 45°	7716.034.45	41,45
Kugellager 22 x 8 x 7	Ball Bearing 22 x 8 x 7	7050.180.22	8,90



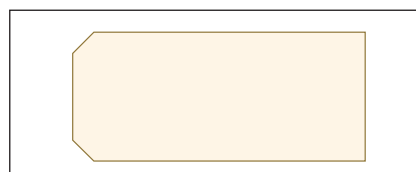
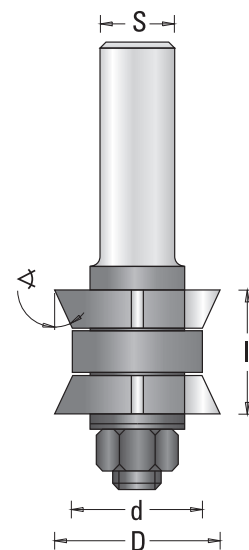
HW Fasefräsersatz einstellbar

HW Adjustable Bevel Cutter Set

7717

D	l min.	l max.	L	d		S	Best.-Nr./Part No.	Euro
27	~10	~42	96	22	25°	12	7717.270.12	73,00
34	~12	~40	96	22	45°	12	7717.340.12	118,50

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Fräser oben 27 x 6,5 x 8, Z4, 25°	Top Cutter 27 x 6,5 x 8, Z4, 25°	7716.027.25	23,40
Fräser unten 27 x 6,5 x 8, Z4, 25°	Bottom Cutter 27 x 6,5 x 8, Z4, 25°	7717.027.25	23,40
Fräser oben 34 x 6,5 x 8, Z4, 45°	Top Cutter 34 x 6,5 x 8, Z4, 45°	7716.034.45	41,45
Fräser unten 34 x 6,5 x 8, Z4, 45°	Bottom Cutter 34 x 6,5 x 8, Z4, 45°	7717.035.45	41,45
Kugellager 22 x 8 x 7	Ball Bearing 22 x 8 x 7	7050.180.22	8,90



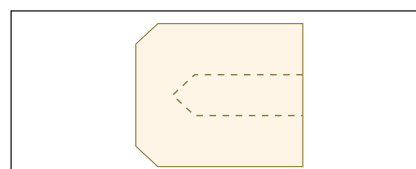
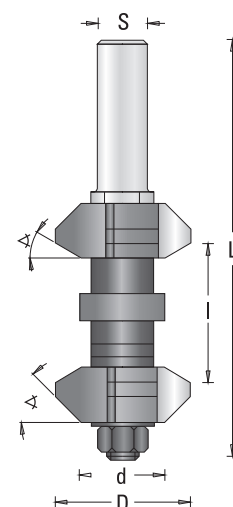
HW Fasefräsersatz, einstellbar

HW Adjustable Bevel Cutter Set

7718

D	l min.	l max.	L	d		S	Best.-Nr./Part No.	Euro
34,8	~10	~35/42	108	22	45°/30°	12	7718.348.12	145,00

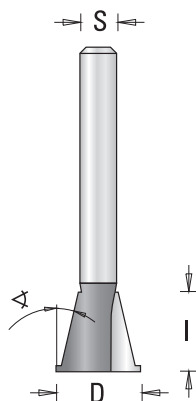
Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Fräser oben 34,8 x 8, Z3, 45°/30°	Top Cutter 34,8 x 8, Z3, 45°/30°	7718.035.00	54,10
Fräser unten 34,8 x 8, Z3, 45°/30°	Bottom Cutter 34,8 x 8, Z3, 45°/30°	7718.035.01	54,10
Kugellager 22 x 8 x 7	Ball Bearing 22 x 8 x 7	7050.180.22	8,90



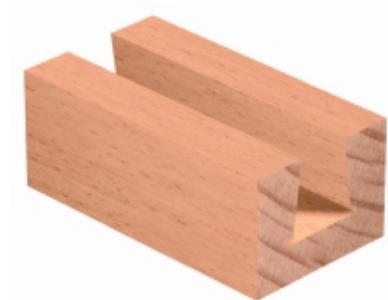
7630

HW-Zinkenfräser Z2

HW Dovetail Cutter Z2



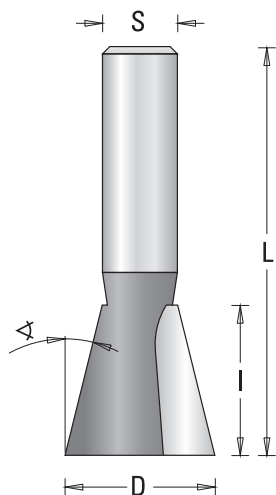
D	I		S	Best.-Nr./Part No.	Euro
13,5	12,5	12°/40'	6	7630.135.60	34,20
14,3	13,5	15°	6	7630.143.60	29,80
13,5	12,5	12°/40'	8	7630.135.80	33,00
14,3	13,5	15°	8	7630.143.80	27,90



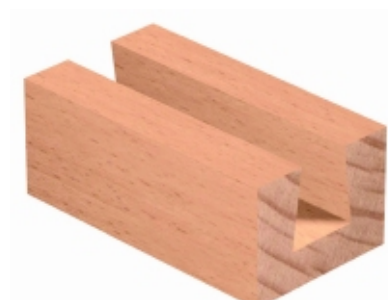
7631

HW-Zinkenfräser Z2

HW Dovetail Cutter Z2



D	I	L		S	Best.-Nr./Part No.	Euro
9,5	9,5	47	9°	8	7631.095.80	24,60
12,7	12,7	49	14°	8	7631.127.80	24,60
14,7	14,3	61	12°	8	7631.147.80	27,30
12,7	12,7	60	14°	12	7631.127.12	24,60
19,1	19,1	65	14°	12	7631.191.12	41,50
22,2	22,2	67	14°	12	7631.222.12	43,00
25,4	25,4	69	14°	12	7631.254.12	45,90

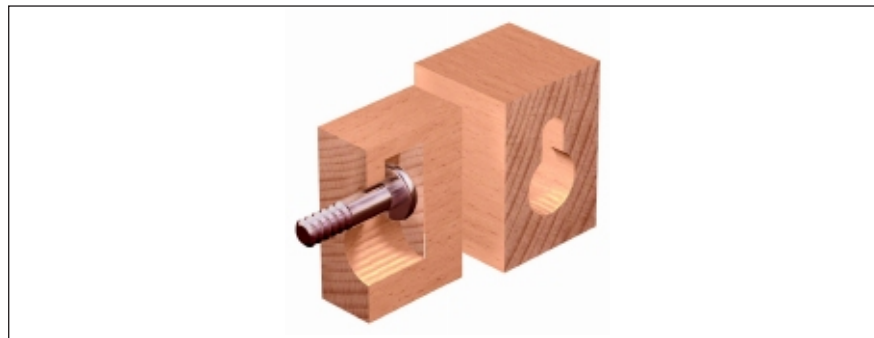
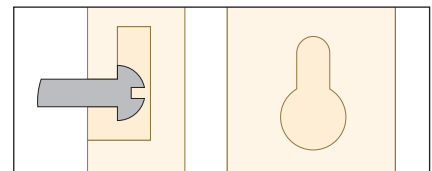
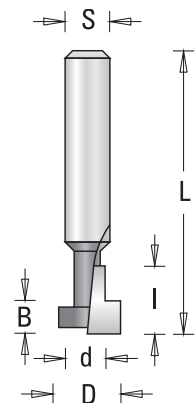


HW-T-Nutfräser

HW T-Groover

7650

D	d	l	Z	B	S	L	Best.-Nr./Part No.	Euro
9,7	5	9,5	1		6	40	7650.097.60	19,20
12,7	8	9,5	1		6	38	7650.127.60	21,50
9,7	5	9,5	1		8	47	7650.097.80	19,20
12,7	8	9,5	1		8	38	7650.127.80	21,50
28	9,5	20,7	2	8	12	66	7650.280.12	53,30
35	12,7	22,2	2	9,5	12	65	7650.350.12	70,30

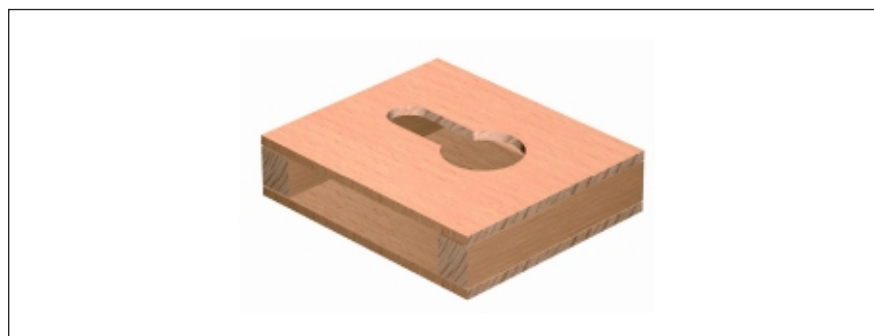
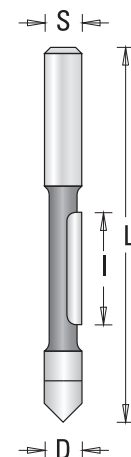


HW-Kopierfräser mit Bohrschneide

HW Copy Cutter with plunge bit

7880

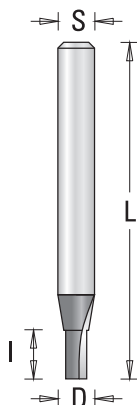
D	l	Z	S	Best.-Nr./Part No.	Euro
6,35	19	1	6	7880.163.60	26,80
6,35	19	1	8	7880.163.80	22,30
8	19	1	8	7880.180.80	28,20
12,7	30	1	12	7880.127.12	39,10
12,7	30	2	12	7880.301.12	36,90



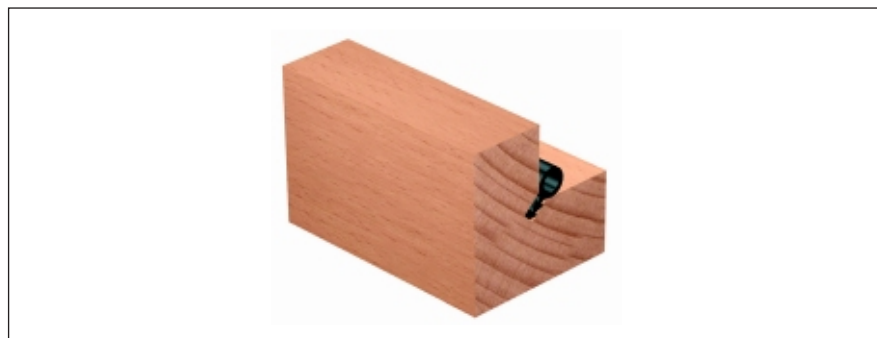
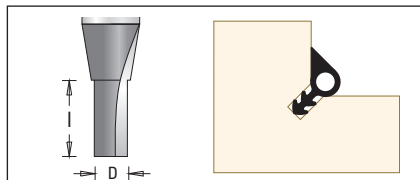
7895

HW-Dichtungs-Nutfräser Z2
einseitig

HW Seal Groover Z2
one-sided



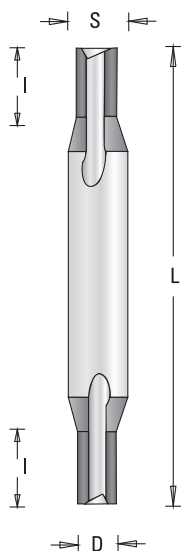
D	I	L	S	Best.-Nr./Part No.	Euro
3	11	60	6	7895.030.60	16,50
3	8	55	6	7895.031.60	17,80
3	11	60	6,35	7895.030.63	18,60
3	8	48	8	7895.031.80	17,80



7896

HW-Dichtungs-Nutfräser Z2
beidseitig

HW Seal Groover Z2
double-sided



D	I	L	S	Best.-Nr./Part No.	Euro
3	8	60	6	7896.030.60	30,00
3	8	63	6,35	7896.030.63	35,10

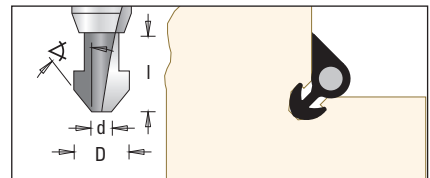
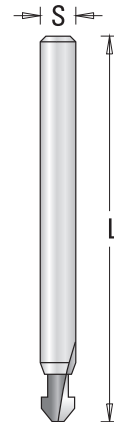
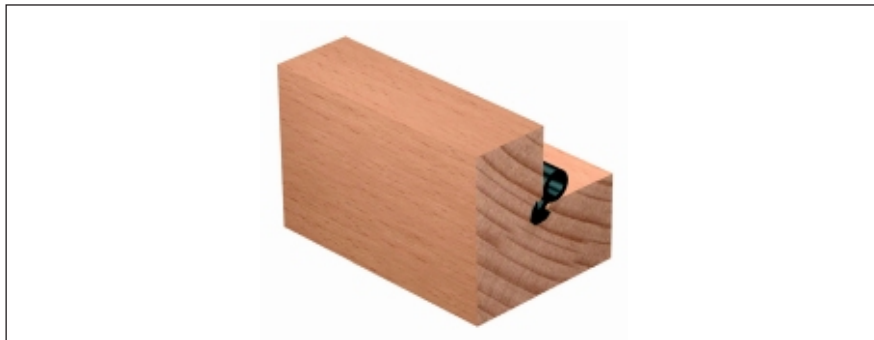


HW-Dichtungs-Nutfräser mit Ankerprofil

HW Seal Groover with Anchor Profile

7897

D	I	L	S	Best.-Nr./Part No.	Euro
5,5	10	63	6	7897.055.60	35,10
5,5	8	65	6	7897.056.60	51,80
5,5	10	63	6,35	7897.055.63	35,90



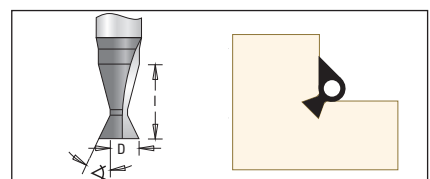
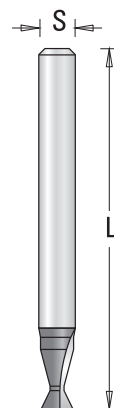
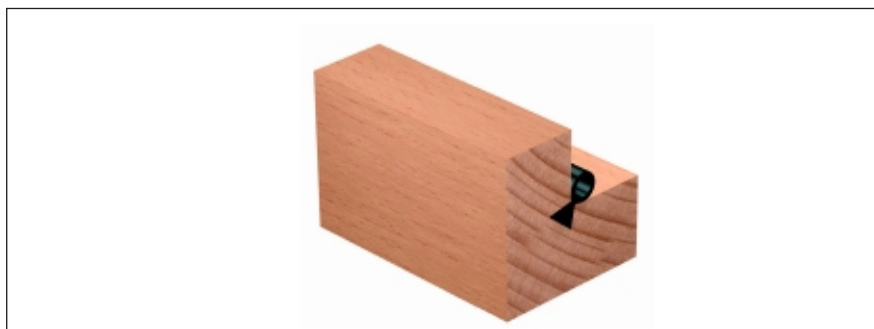
HW-Dichtungs-Profilfräser Z2 Schwalbenschwanzprofil 25°

HW Seal Profile Cutter Z2 Dove Tail Profile 25°

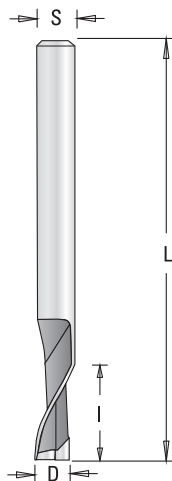
7894 / 7898

D	I	L	∠	S	Best.-Nr./Part No.	Euro
5,1	8	60	25°	6	7894.051.60	44,10

D	I	L	∠	d	S	Best.-Nr./Part No.	Euro
4,3	5	60	18°	2,9	6	7898.043.60	37,10
4,3	5	60	18°	2,9	6,35	7898.043.63	38,50



7385



HS Bohrnutfräser Z2

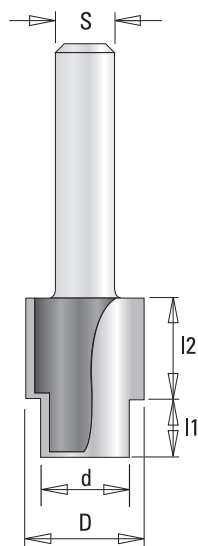
- Zum Fräsen von Aluminium und Kunststoff auf Kopierfräsmaschinen

HS Grooving Bit Z2

- For cutting aluminium and plastic on copy milling machines

D	I	L	S	Best.-Nr./Part No.	Euro
3	12	60	8	7385.030.80	11,10
4	12	60	8	7385.040.80	11,10
5	12	60	8	7385.050.80	10,20
6	14	60	8	7385.060.80	11,10
7	14	60	8	7385.070.80	15,00
8	14	80	8	7385.080.80	10,60
9	14	80	8	7385.090.80	15,00
10	14	80	8	7385.100.80	14,70
5	14	120	8	7385.051.80	15,10
8	14	120	8	7385.081.80	14,70
10	14	120	10	7385.110.10	22,60

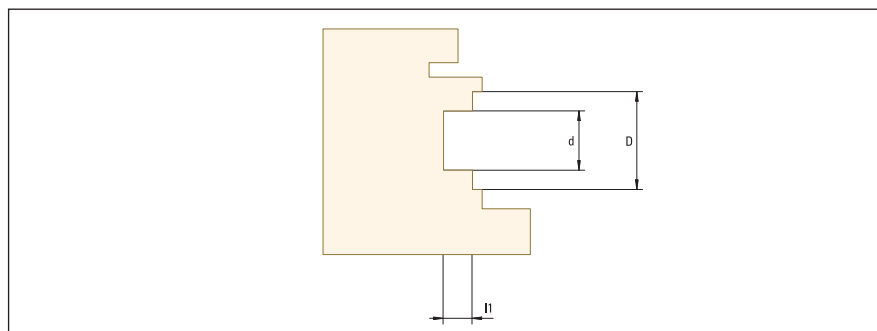
7752



HW-Stufenfräser Z2 für Kantengetriebe

HW Step Cutter Z2

D	d	l1	l2	S	Best.-Nr./Part No.	Euro
16,3	12,3	9,5	10	8	7752.163.80	52,90
20,3	12,5	9,5	10	8	7752.203.80	57,60
20,3	12,3	6	10	8	7752.204.80	57,60

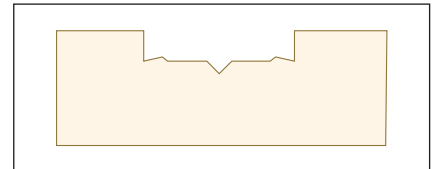
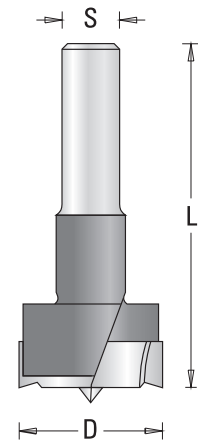
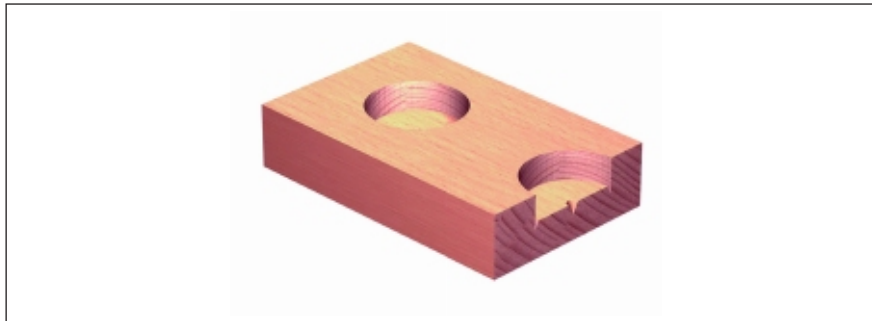


HW-Beschlagbohrer Z2

HW Hinge Boring Bit Z2

7560

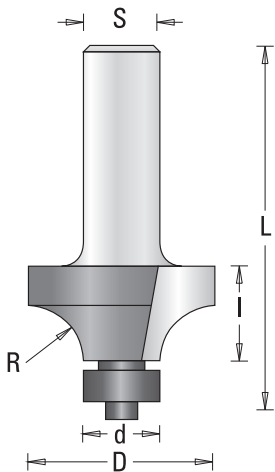
D	L	S	Best.-Nr./Part No.	Euro
25	60	8	7560.250Z80	44,90
25	60	12	7560.250Z12	41,10
30	60	8	7560.300Z80	42,30
30	60	12	7560.300Z12	42,30
35	60	8	7560.350Z80	44,10
35	60	12	7560.350Z12	44,10



7741

HW-Abrundfräser Z 2
Anlauflager d 12,7

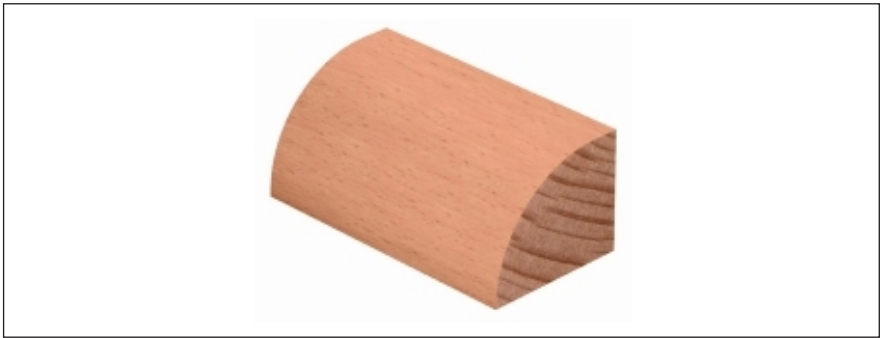
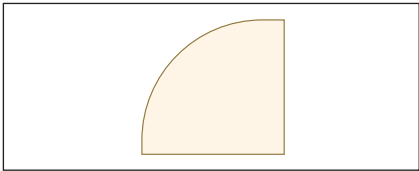
HW Rounding Cutter Z2
with Ball Bearing d 12,7



D	d	R	S	Best.-Nr./Part No.	Euro
16,7	12,7	2	6	7741.167.60	43,80
18,7	12,7	3	6	7741.187.60	44,10
20,7	12,7	4	6	7741.207.60	44,10
22,7	12,7	5	6	7741.227.60	44,50
25,4	12,7	6,35	6	7741.254.60	45,70
28,17	12,7	8	6	7741.287.60	46,80
31,7	12,7	9,5	6	7741.317.60	51,00
38,1	12,7	12,7	6	7741.381.60	54,50
16,7	12,7	2	8	7741.167.80	43,80
18,7	12,7	3	8	7741.187.80	43,50
20,7	12,7	4	8	7741.207.80	43,50
22,7	12,7	5	8	7741.227.80	45,20
25,4	12,7	6,35	8	7741.254.80	48,20
28,7	12,7	8	8	7741.287.80	49,80
31,7	12,7	9,5	8	7741.317.80	53,20
38,1	12,7	12,7	8	7741.381.80	55,80
42	12,7	15	8	7741.420.80	69,90
42	12,7	15	12	7741.420.12	69,90
53	12,7	20	12	7741.530.12	77,30
63	12,7	25	12	7741.630.12	82,80
72,6	12,7	30	12	7741.726.12	222,30
82,7	12,7	35	12	7741.827.12	241,80

Kugellager / Ball bearing

D	d	Best.-Nr./Part No.	Euro
12,7	4,76	7050.100.12	7,30



HW-WPL-Abrundfräser Z2 mit Anlauflager

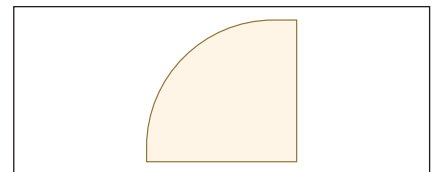
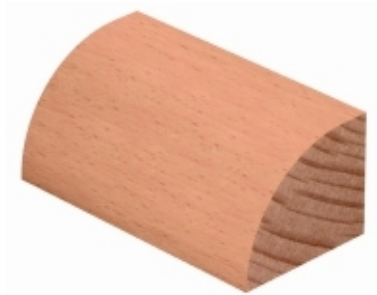
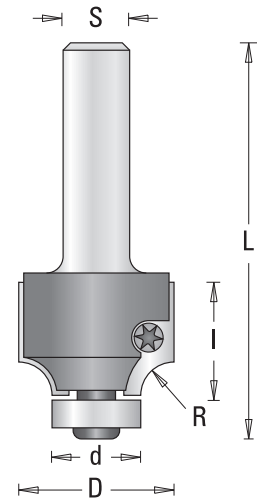
HW Rounding Cutter Z2 with Ball Bearing

7935

D	R	d	S	Best.-Nr./Part No.	Euro
25	3	19	12	7935.250.12	163,90
28	6	16	12	7935.280.12	170,80
32	8	16	12	7935.320.12	177,30
36	10	16	12	7935.360.12	183,90

HW-Ersatzplatten	HW replacement plates	R	Best.-Nr./Part No.	Euro
20x9x1,5	20x9x1,5	3	4206.020.03	16,80
20x9x1,5	20x9x1,5	6	4206.020.06	16,80
30x15x1,5	30x15x1,5	8	4206.030.08	18,60
30x15x1,5	30x15x1,5	10	4206.030.10	18,60

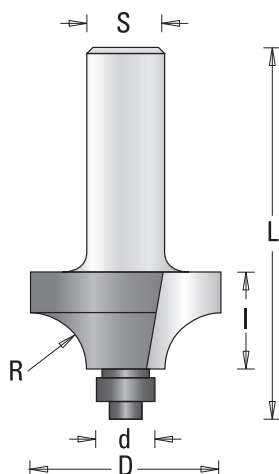
Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager ø 19x4,7	ball bearing ø 19x4,7	7050.100.18	7,30
Kugellager ø 16x5	ball bearing ø 16x5	7050.100.14	7,30
Torx-Schraube M 4x5,6	Torx lock screw M 4x5,6	7050.400.12	1,10
Torx-Schlüssel (T15)	Torx key (T15)	7050.400.00	4,60



7746

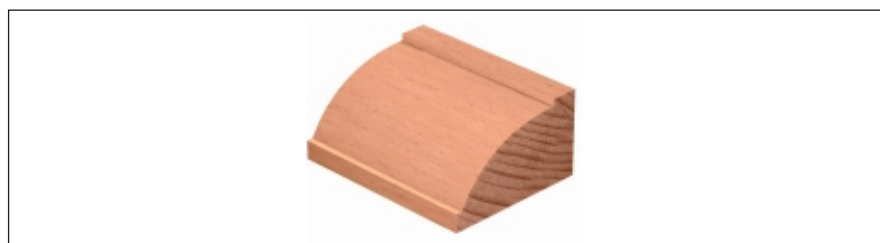
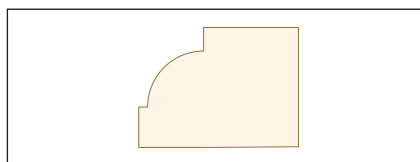
HW-Viertelstabfräser Z2 mit Anlauflager d = 9,5

HW Quarter Round Cutter with Ball Bearing d = 9,5



D	d	R	S	Best.-Nr./Part No.	Euro
18,7	9,5	3	8	7746.187.80	44,10
20,7	9,5	4	8	7746.207.80	44,50
22,7	9,5	5	8	7746.227.80	44,50
25,4	9,5	6,35	8	7746.254.80	48,90
28,7	9,5	8	8	7746.287.80	50,20
31,7	9,5	9,5	8	7746.317.80	54,50
32,7	9,5	10	8	7746.327.80	51,00
38,1	9,5	12,7	8	7746.381.80	57,50
42	9,5	15	8	7746.420.80	69,90
52,7	9,5	20	12	7746.527.12	95,90

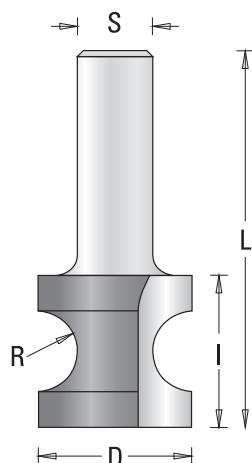
Ersatzteile	Spare parts	Best.-Nr./Part No.	Euro
Kugellager Ø 9,5 x 4,76	ball bearing Ø 9,5 x 4,76	7050.100.95	6,30



7767

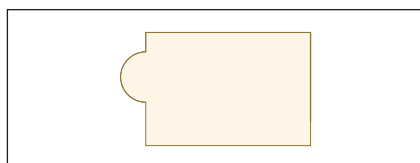
HW-Abrundfräser Z2

HW Rounding Cutter Z2



D	I	L	R	S	Best.-Nr./Part No.	Euro
13,5	12,7	55	2	8	7767.135.80	33,40
15,1	12,7	45	2,8	8	7767.151.80	39,90
16,7	19,1	51	3,6	8	7767.167.80	48,80
22,2	19,1	51	5,2	8	7767.222.80	66,40
26,2	25,4	57,5	6,8	8	7767.262.80	67,50
13,5	12,7	55	2	12	7767.135.12	27,60
15,1	12,7	51	2,8	12	7767.151.12	35,30
16,7	19,1	57	3,6	12	7767.167.12	48,80
22,2	19,1	57	5,2	12	7767.222.12	66,40
26,1	25,4	63	6,8	12	7767.261.12	75,60
28	25,4	63	7,9	12	7767.280.12	86,40
33,3	33,7	72	9,5	12	7767.333.12	97,90
42	39,7	78	12,7	12	7767.420.12	119,80
50,8	50	88	15,9	12	7767.508.12	142,00
60,3*	50,8	88	19,1	12	7767.603.12	123,20

*Z = 3



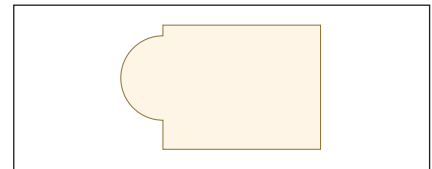
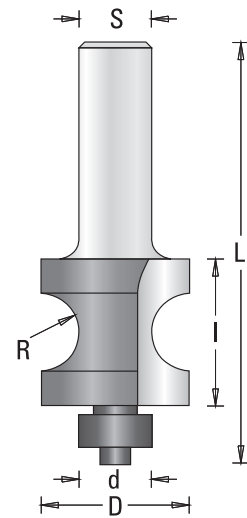
HW Abrundfräser mit Anlaufkugellager

HW Rounding Cutter with Ball Bearing

7768

D	I	L	R	S	d	Best.-Nr./Part No.	Euro
25,2	26	75	6,8	12	12,7	7768.262.12	77,90
35	34	84	9,5	12	16	7768.350.12	84,10
44,5	40	93	12,7	12	19	7768.445.12	96,70
50,8	50	103	15,8	12	19	7768.508.12	125,10

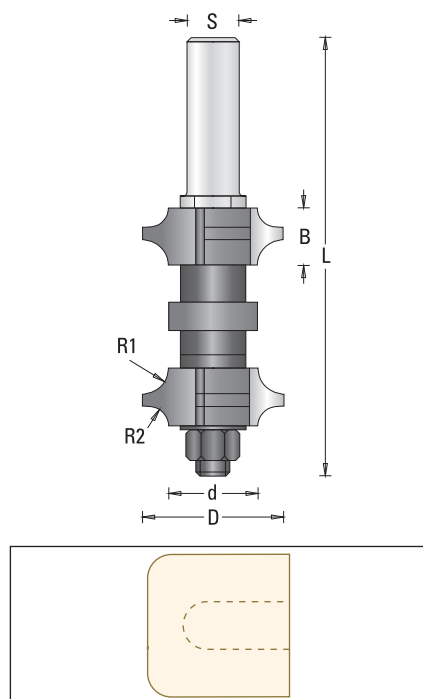
Ersatzteile	Spare parts	Best.-Nr./Part No.	Euro
Kugellager ø 12,7	ball bearing ø 12,7	7050.100.12	7,30
Kugellager ø 16 x 5	ball bearing ø 16 x 5	7050.100.14	7,30
Kugellager ø 19 x 6,35	ball bearing ø 19 x 6,35	7050.100.19	7,30



7738

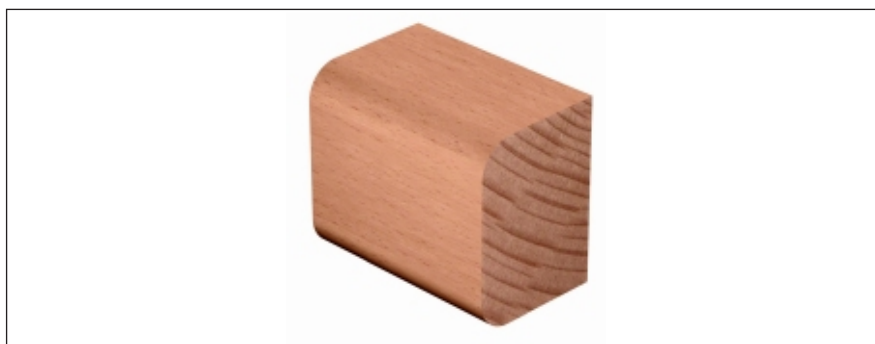
HW Abrundfräsersatz, einstellbar

HW Adjustable Rounding Cutter



D	d	l min.	l max.	L	R	S	Best.-Nr./Part No.	Euro
34,8	22	9,5/12,7	35/38	108	4,8/6,3	12	7738.348.12	145,00

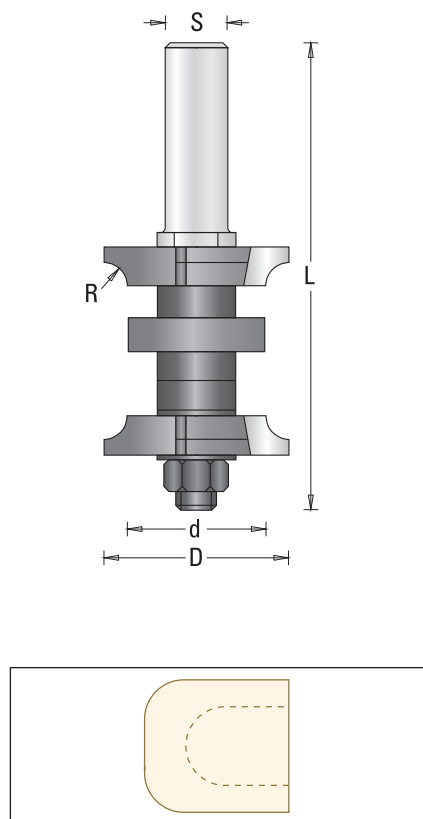
Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Fräser oben 34,8 x 8, Z3, R4,8/6,3	Top Cutter 34,8 x 8, Z3, R4,8/6,3	7738.348.00	54,10
Fräser unten 34,8 x 8, Z3, R4,8/6,3	Bottom Cutter 34,8 x 8, Z3, R4,8/6,3	7738.348.01	54,10
Kugellager 22 x 8 x 7	Ball Bearing 22 x 8 x 7	7050.180.22	8,90



7739

HW Abrundfräsersatz, einstellbar

HW Adjustable Rounding Cutter



D	d	l min.	l max.	L	R	S	Best.-Nr./Part No.	Euro
38,1	28	9,5	38	96	4,8	12	7739.381.12	100,90
40,7	28	12,7	36	96	6,35	12	7739.407.12	126,30
47,2	28	19	36	96	9,6	12	7739.472.12	136,30

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Fräser oben 38,1 x 8, Z3, R4,8	Top Cutter 38,1 x 8, Z3, R4,8	7739.381.00	33,40
Fräser unten 38,1 x 8, Z3, R4,8	Bottom Cutter 38,1 x 8, Z3, R4,8	7739.381.01	33,40
Fräser oben 40,7 x 8, Z3, R6,35	Top Cutter 40,7 x 8, Z3, R6,35	7739.407.00	46,10
Fräser unten 40,7 x 8, Z3, R6,35	Bottom Cutter 40,7 x 8, Z3, R6,35	7739.407.01	46,10
Fräser oben 47,2 x 8, Z3, R9,6	Top Cutter 47,2 x 8, Z3, R9,6	7739.472.00	46,10
Fräser unten 47,2 x 8, Z3, R9,6	Bottom Cutter 47,2 x 8, Z3, R9,6	7739.472.01	46,10
Kugellager 28 x 8 x 9	Ball Bearing 28 x 8 x 9	7050.180.28	7,60



HW-Abrund-Kehlfräser Z2 Anlauflager d=16

• mit 2 Anlauflagern d=16

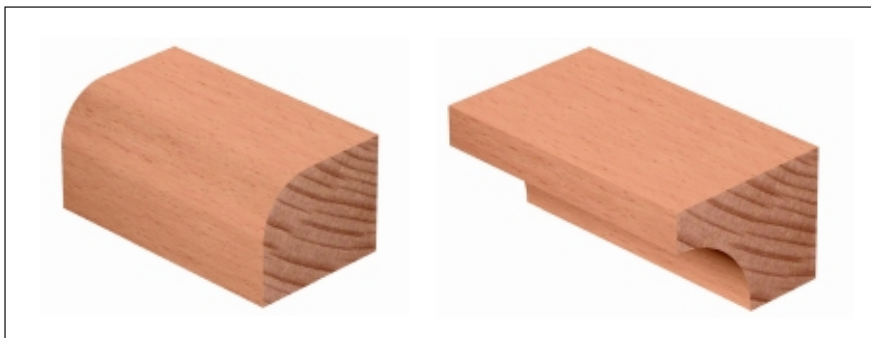
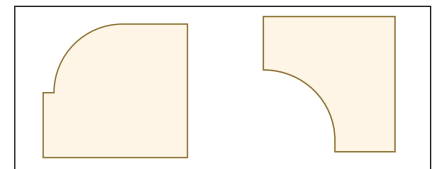
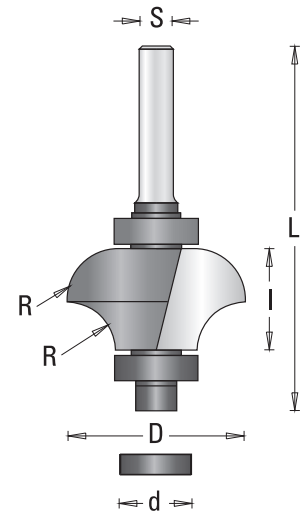
D	d	l	L	R	S	Best.-Nr./Part No.	Euro
28,5	16	13,7	65,7	6,3/6,3	8	7742.285Z80	59,30
34,8	16	20	72	9,5/9,5	8	7742.348Z80	69,80

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager ø 16 x 8	ball bearing ø 16 x 8	7050.180.16	7,30

HW Rounding and Coveing Cutter Z2 Ball Bearings d=16

• with 2 ball bearings d=16

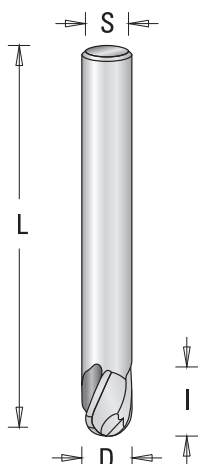
7742



7602

VHM-Radius-Gravierfräser Z2 (Hohlkehlfräser)

Solid Carbide Radius Grooving Cutter Z2



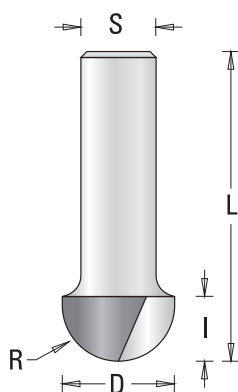
L	R	S	Best.-Nr./Part No.	Euro
60	3	6	7602.003.60	51,90
70	4	8	7602.004.80	57,40
80	5	10	7602.005.10	71,10



7730

HW-Hohlkehlfräser Z2

HW Core Cutter Z2



D	I	L	R	S	Best.-Nr./Part No.	Euro
9,5	6,3	38	4,8	6	7730.095Z60	28,80
12,7	9,5	38	6,3	6	7730.127Z60	31,10
15,9	11	40	7,9	6	7730.160Z60	32,60
19,1	11	40	9,5	6	7730.190Z60	37,60
22,2	13,8	44,5	11	6	7730.222Z60	40,30
25,4	17,5	46,5	12,7	6	7730.254Z60	41,10
9,5	6,3	42,5	4,8	8	7730.095Z80	28,80
12,7	9,5	41,5	6,30	8	7730.127Z80	31,10
15,9	11	43,5	7,9	8	7730.160Z80	32,60
19,1	11	43	9,5	8	7730.190Z80	37,60
22,2	13,8	46	11	8	7730.222Z80	40,30
25,4	17,5	50	12,7	8	7730.254Z80	41,10
32	32	70	16	12	7730.320Z12	97,10
38,1	32	70	19,1	12	7730.381Z12	109,80
50,8	32	70	25,4	12	7730.508Z12	123,20

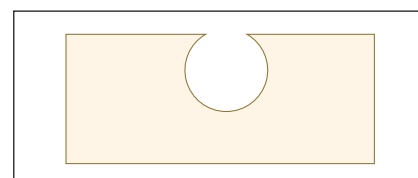
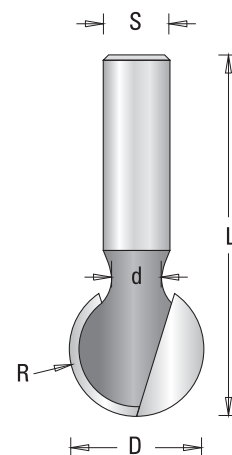
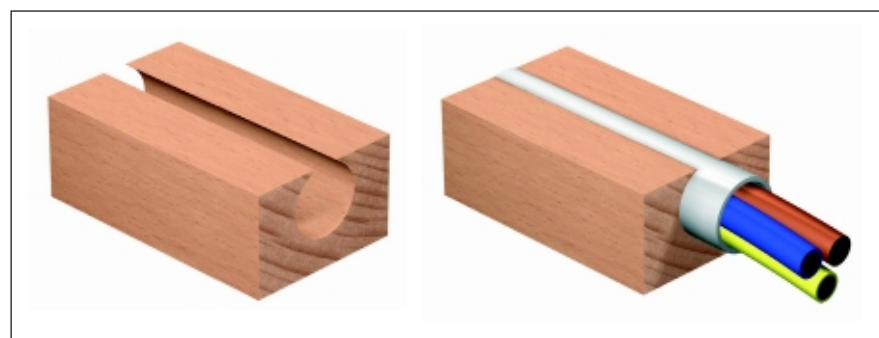


HW-Kugelfräser Z2

HW Grooving Cutter Z2

7769

D	L	d	R	S	Best.-Nr./Part No.	Euro
12,7	58	6,35	6,35	12	7769.127.12	32,30
16	63	7,0	8	12	7769.160.12	36,10
19	64	8	9,5	12	7769.190.12	39,10
22,2	68	8,0	11,1	12	7769.222.12	41,50
25,4	70	8,7	12,7	12	7769.254.12	48,30
28,6	74	10,3	14,3	12	7769.286.12	57,60
32	75	11,1	16	12	7769.320.12	64,10



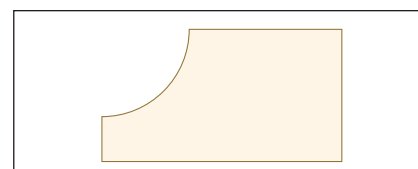
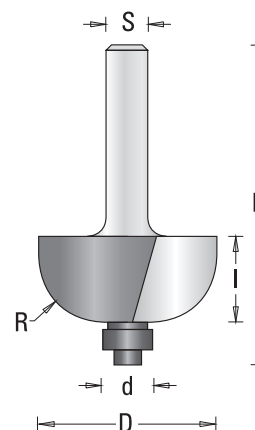
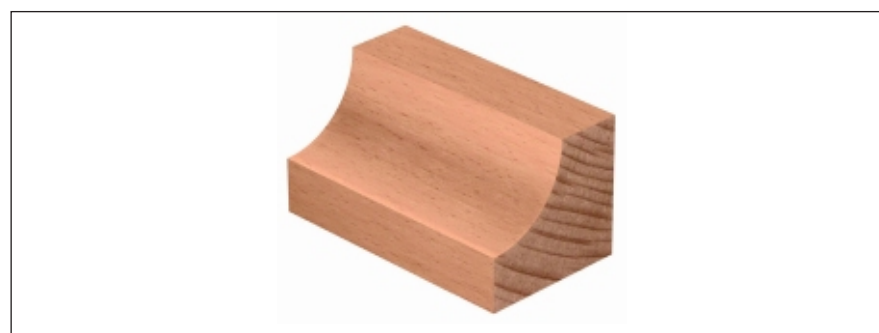
HW-Halbhohlkehlfräser Z2

HW Core Cutter Z2

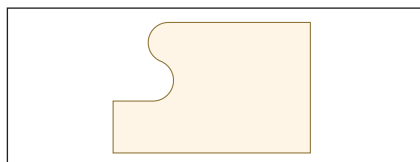
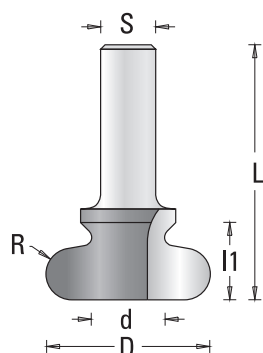
7735

D	d	l	R	S	Best.-Nr./Part No.	Euro
12,7	9,5	12,7	1,6	8	7735.127Z80	44,50
15,9	9,5	12,7	3,2	8	7735.159Z80	44,50
19,1	9,5	14,3	4,8	8	7735.191Z80	44,50
22,2	9,5	14,3	6,3	8	7735.222Z80	45,70
25,4	9,5	14,3	7,9	8	7735.254Z80	46,80
28,6	9,5	14,3	9,5	8	7735.286Z80	51,00
34,9	9,5	16,7	12,7	8	7735.349Z80	54,50
41,3	9,5	18	16	12	7735.413Z12	69,10
57,1	12,7	31,8	22,2	12	7735.571Z12	124,70

Ersatzteile	Spare parts	Best.-Nr./Part No.	Euro
Kugellager Ø 9,5 x 3	ball bearing Ø 9,5 x 3	7050.101.95	6,30
Kugellager Ø 12,7 x 4,76	ball bearing Ø 12,7 x 4,76	7050.100.12	7,30



7747



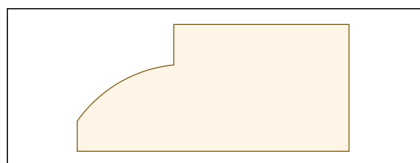
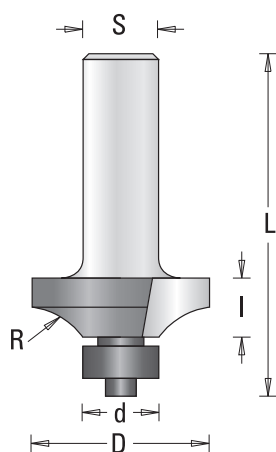
HW-Griffmuldenfräser Z2

HW Finger Grip Cutter Z2

D	d	l1	R	S	Best.-Nr./Part No.	Euro
19,1	10	14,3	4,8/2,5	8	7747.191.80	63,00
38,1	17	17	6/2	8	7747.381.80	92,50
19,1	10	14,3	4,8/2,5	12	7747.191.12	64,80
38,1	17	18	6,0/2,5	12	7747.381.12	103,60
45	17	17,2	4,8/2,5	12	7747.450.12	113,20



7743

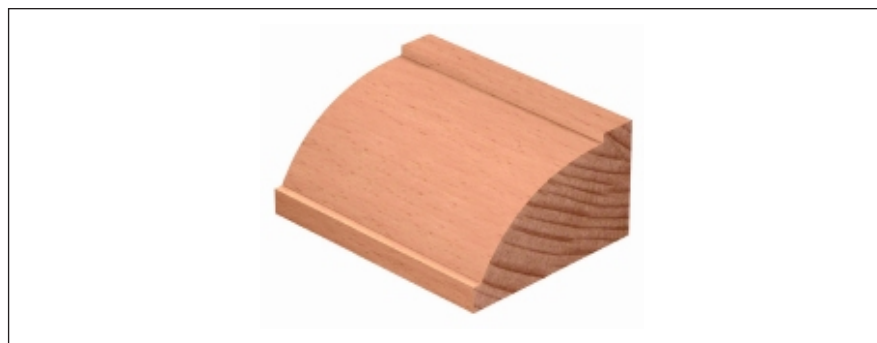


**HW-Profilfräser Z2
mit Anlaufrolle**

**HW Profile Cutter Z2
with Ball Bearing**

D	d	l	L	R	S	Best.-Nr./Part No.	Euro
30	12,7	10	53,5	12	8	7743.300.80	51,80
30	12,7	10	60	12	12	7743.300.12	51,80

Ersatzteile	Spare parts	Best.-Nr./Part No.	Euro
Kugellager 12,7 x 4,76	ball bearing 12,7 x 4,76	7050.100.12	7,30



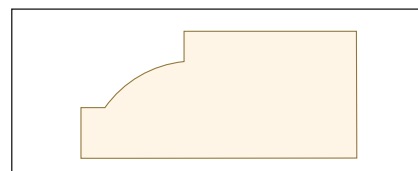
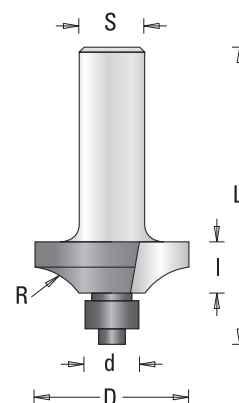
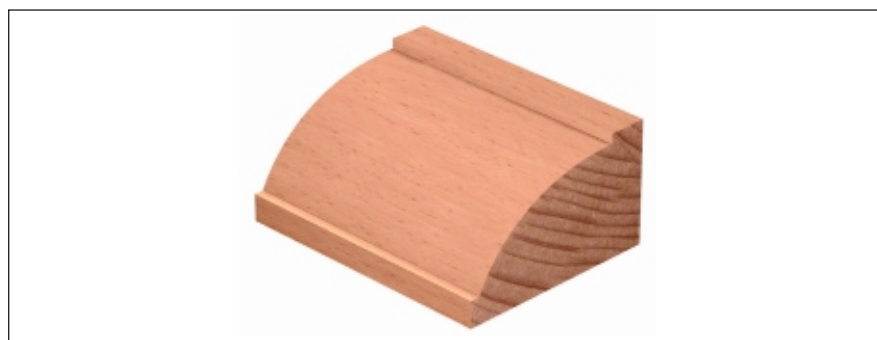
HW-Profilfräser Z2 mit Anlauflager

HW Profile Cutter Z2 with Ball Bearing

7744

D	d	l	L	R	S	Best.-Nr./Part No.	Euro
30	9,5	10	51,5	12	8	7744.300.80	51,80
30	9,5	10	58	12	12	7744.300.12	41,10

Ersatzteile	Spare parts	Best.-Nr./Part No.	Euro
Kugellager 9,5 x 4,76	ball bearing 9,5 x 4,76	7050.100.95	6,30



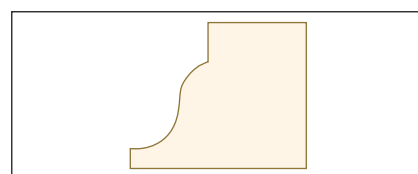
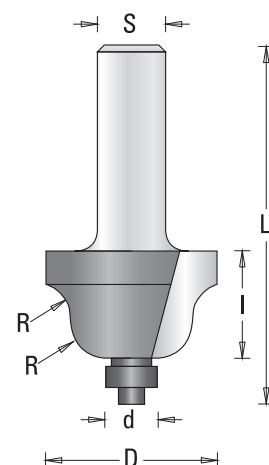
HW-Profilfräser Z2 mit Anlauflager

HW Profile Cutter Z2 with Ball Bearing

7750

D	d	l	L	R	S	Best.-Nr./Part No.	Euro
25,4	9,5	15,9	57,0	4/4	8	7750.254Z80	48,00
34,9	9,5	20,0	61,5	6,3/6,3	8	7750.349Z80	53,40
25,4	9,5	15,9	63,0	4/4	12	7750.254Z12	48,00
34,9	9,5	20,0	67,5	6,3/6,3	12	7750.349Z12	53,40

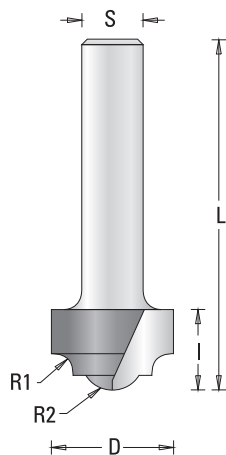
Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager 9,5 x 3	ball bearing 9,5 x 3	7050.101.95	6,30



7753

HW-Profilfräser Z2

HW Profile Cutter Z2



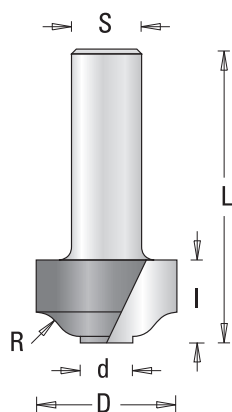
D	I	L	R	S	Best.-Nr./Part No.	Euro
12,7	10,5	51	2,5/3,5	8	7753.127Z80	53,00
19,1	12,7	54	3,7/4,0	8	7753.191Z80	37,30
25,4	16,5	57	5,0/6,3	8	7753.254Z80	75,60
19,1	12,7	70	3,7/4,0	12	7753.191Z12	60,30
25,4	16,5	73	5,0/6,3	12	7753.254Z12	75,60
38,1	19,1	76	6,3/6,3	12	7753.381Z12	84,10



7754

HWM-Profilfräser Z2

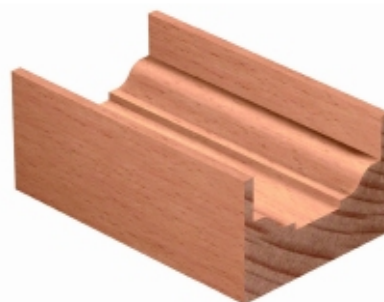
Solid Carbide Profile Cutter Z2



• Vollhartmetall

• Solid Carbide

D	I	L	d	R	S	Best.-Nr./Part No.	Euro
25,4	15,1	53,2	9,5	4,8	12	7754.254.12	67,50
30,2	15,1	53,2	11,9	5,9	12	7754.302.12	71,40



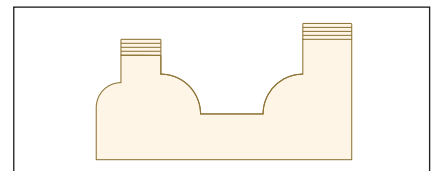
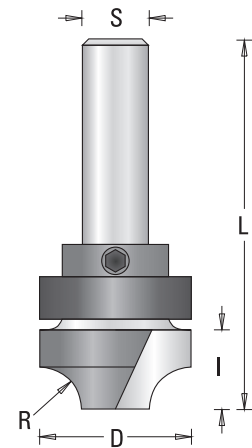
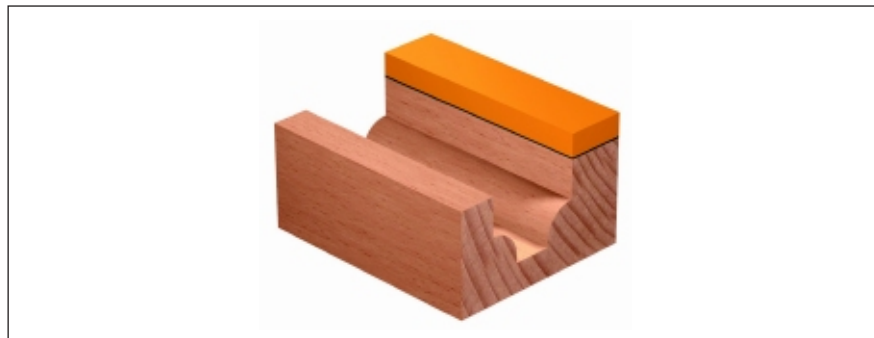
HW-Profilfräser Z2 mit Anlauflager schaftseitig

HW Profile Cutter Z2 with Ball Bearing shank sided

7757

D	I	L	R	S	Best.-Nr./Part No.	Euro
28,6	14	68	8	12	7757.286.12	59,50

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager 28,5 x 12,7	ball bearing 28,5 x 12,7	7050.100.28	4,00

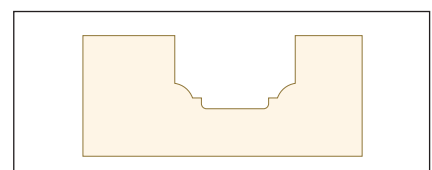
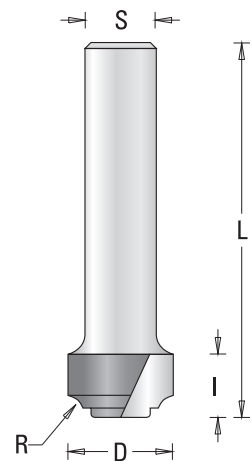


HW-Profilfräser Z2

HW Profile Cutter Z2

7758

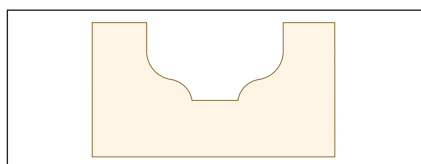
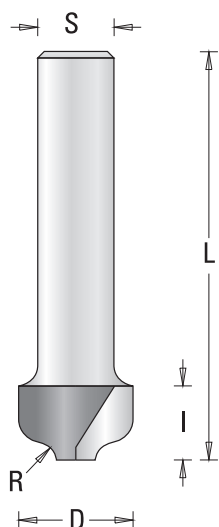
D	I	L	R	S	Best.-Nr./Part No.	Euro
12,7	10,5	52	2	8	7758.127.80	45,70
19,1	11,1	52	3,5	8	7758.191.80	52,00
19,1	11,1	68	3,5	12	7758.191.12	52,20



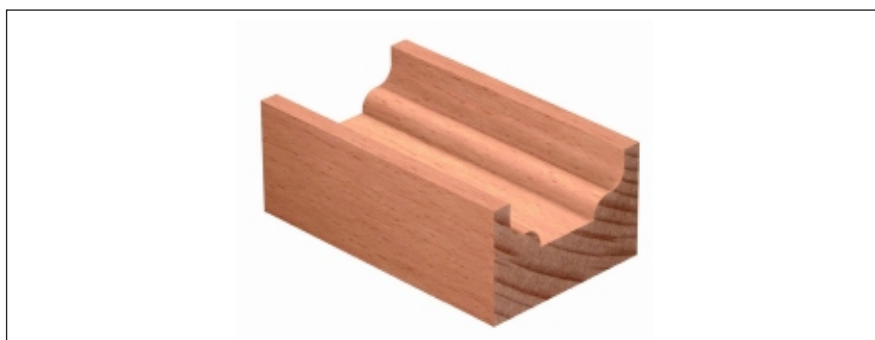
7759

HW-Profilfräser Z2

HW Profile Cutter – Flat Bottom Z2



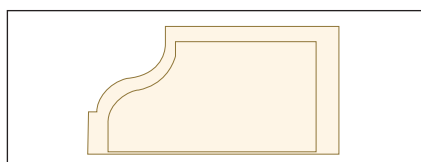
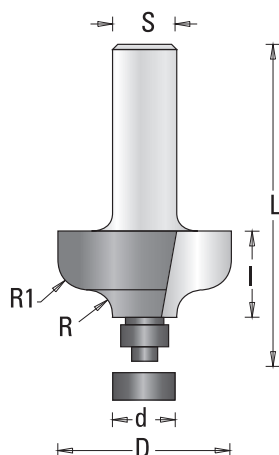
D	I	L	R	S	Best.-Nr./Part No.	Euro
12,7	9,5	51	2,0	8	7759.127.80	43,40
19,1	12,7	53	3,5	8	7759.191.80	52,20
19,1	12,7	68	3,5	12	7759.191.12	52,20



7760

HW-Profilfräser Z2 mit Anlaufflager

HW Profile Cutter Z2 with Ball Bearing



D	I	L	R	d	S	Best.-Nr./Part No.	Euro
16,3	9,5	50	2/2	6,3	8	7760.163Z80	62,00
28,6	12,7	56	4,5/4,0	12,7	8	7760.286Z80	69,10
34,9	17,5	60	6/5	12,7	8	7760.349Z80	73,30
28,6	12,7	62	4,5/4,0	12,7	12	7760.286Z12	69,10
34,9	17,5	67	6,0/5,0	12,7	12	7760.349Z12	73,30

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager 12,7 x 4,76	ball bearing 12,7 x 4,76	7050.100.12	7,30
Kugellager 9,5 x 4,76	ball bearing 9,5 x 4,76	7050.100.95	6,30
Kugellager 6,35 x 9,17	ball bearing 6,35 x 9,17	7050.100.63	5,10



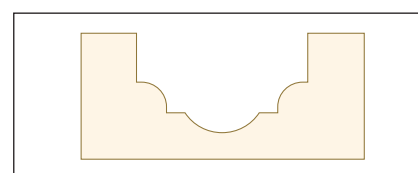
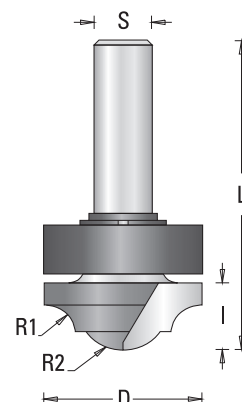
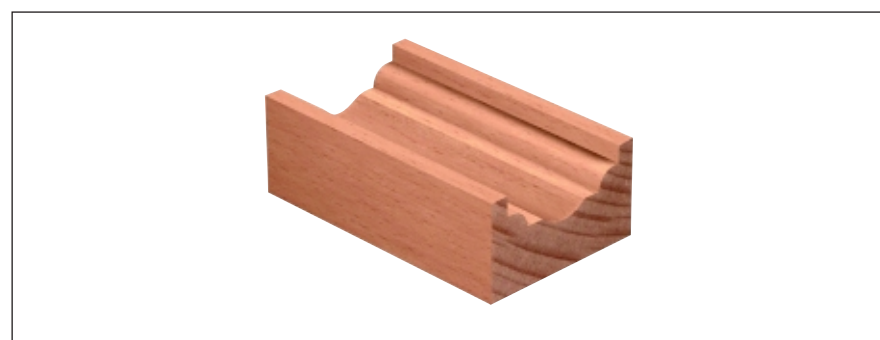
HW-Profilfräser Z2 mit Anlauflager schaftseitig

HW Profile Cutter Z2 with Ball Bearing shank sided

7761

D	I	L	R	S	Best.-Nr./Part No.	Euro
22	12	55	4,0/5,5	8	7761.220.80	57,20
35	15	68	6,5/10,0	12	7761.350.12	72,90

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager 22 x 8	ball bearing 22 x 8	7050.180.22	8,90
Kugellager 35 x 15	ball bearing 35 x 15	7050.200.35	5,10



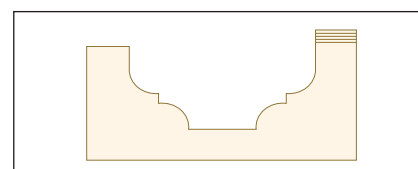
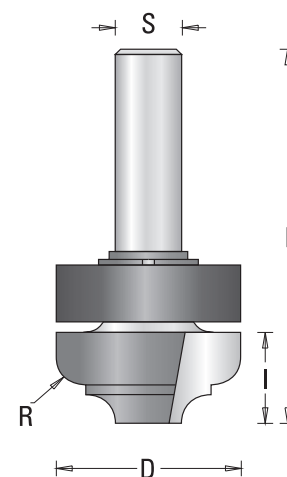
HW-Profilfräser mit Anlauflager schaftseitig

HW Profile Cutter Z2 with Ball Bearing shank sided

7762

D	I	L	R	S	Best.-Nr./Part No.	Euro
22	11,1	54	3,5	8	7762.220.80	57,20
35	14,3	67	5	12	7762.350.12	72,90

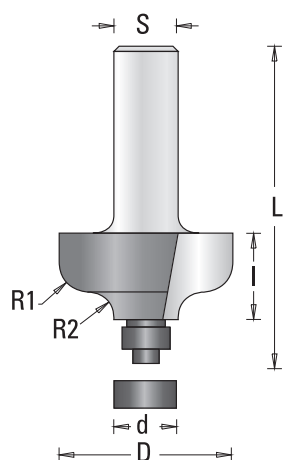
Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager 22 x 8	ball bearing 22 x 8	7050.180.22	8,90
Kugellager 35 x 15	ball bearing 35 x 15	7050.200.35	5,10



7763

HW-Profilfräser Z2 mit Anlauflager

HW Profile Cutter Z2 with Ball Bearing



D	I	L	R1/R2	d	S	Best.-Nr./Part No.	Euro
28,6	12,7	54	4,5/4,0	9,5	8	7763.286Z80	69,10
34,9	17,5	59	6,0/5,0	9,5	8	7763.349Z80	73,30
28,6	12,7	60	4,5/4,0	9,5	12	7763.286Z12	69,10
34,9	17,5	65	6,0/5,0	9,5	12	7763.349Z12	73,30

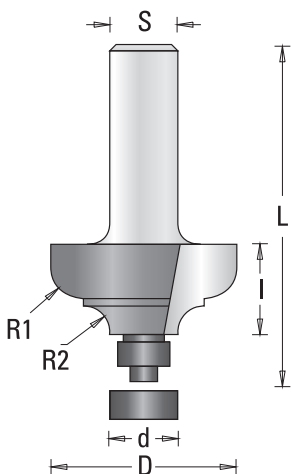
Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager 12,7 x 4,76	ball bearing 12,7 x 4,76	7050.100.12	7,30
Kugellager 9,5 x 4,76	ball bearing 9,5 x 4,76	7050.100.95	6,30
Kugellager 6,35 x 3,17	ball bearing 6,35 x 3,17	7050.100.63	5,10



7764 Form B

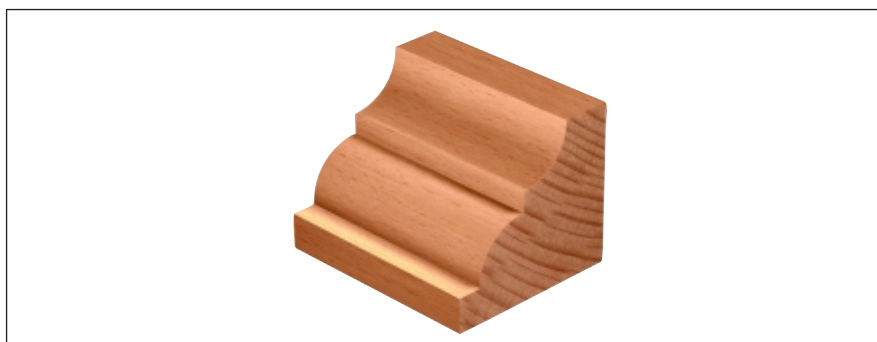
HW-Profilfräser Z2 mit Anlauflager

HW Profile Cutter Z2 with Ball Bearing



D	I	L	R1/R2	d	S	Best.-Nr./Part No.	Euro
28,6	12,7	54	4,0/4,0	9,5	8	7764.286Z80	71,00
34,9	17,5	58	6,0/5,0	9,5	8	7764.349Z80	77,90
28,6	12,7	60	4,0/4,0	9,5	12	7764.286Z12	71,00
34,9	17,5	64	6,0/4,8	9,5	12	7764.349Z12	77,90
38	16	65	4,7/8,0	9,5	12	7764.380Z12	77,90

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager 9,5 x 4,76	ball bearing 9,5 x 4,76	7050.100.95	6,30
Kugellager 12,7 x 4,76	ball bearing 12,7 x 4,76	7050.100.12	7,30



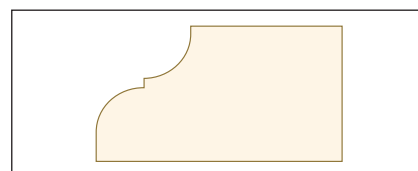
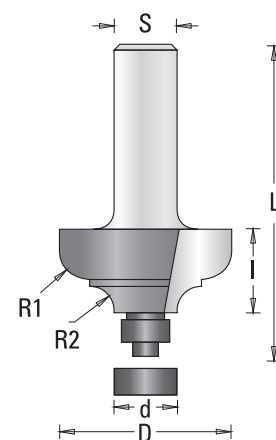
HW-Profilfräser Z2 mit Anlauflager

HW Profile Cutter Z2 with Ball Bearing

7765 Form A

D	I	L	R1/R2	d	S	Best.-Nr./Part No.	Euro
28,6	12,7	56	4,0/4,0	12,7	8	7765.286Z80	71,00
34,9	17,5	60	6,0/5,0	12,7	8	7765.349Z80	77,90
28,6	12,7	62	4,5/4,0	12,7	12	7765.286Z12	71,00
34,9	17,5	66	6,0/4,8	12,7	12	7765.349Z12	77,90
38	16	65	4,7/8,0	12,7	12	7765.380Z12	77,90
51	23	72	9,5/9,5	12,7	12	7765.510Z12	96,00

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager 12,7 x 4,76	ball bearing 12,7 x 4,76	7050.100.12	7,30
Kugellager 9,5 x 4,76	ball bearing 9,5 x 4,76	7050.100.95	6,30



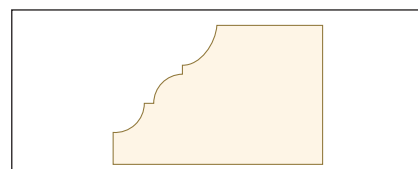
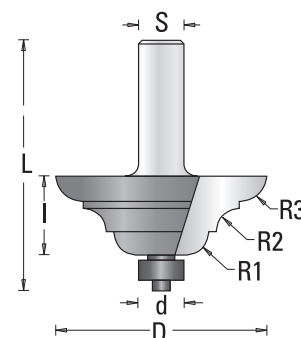
HW-Radienprofilfräser Z2 mit Anlauflager

HW Radius Profile Cutter Z2 with Ball Bearing

7766

D	I	L	R1/R2/R3	d	S	Best.-Nr./Part No.	Euro
59	22	71	6,5 / 6,5 / 7,5	12,7	12	7766.590.12	134,40

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager 12,7 x 4,76	ball bearing 12,7 x 4,76	7050.100.12	7,30



7771

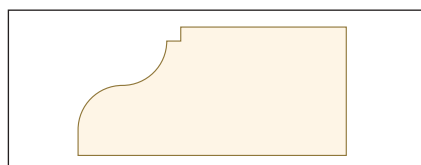
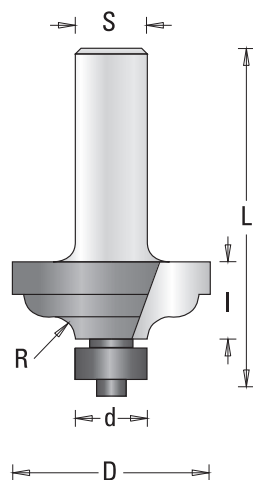
HW-Profilfräser Z2 mit Anlauflager

HW Profile Cutter Z2 with ball bearing

Form A

D	I	L	R	d	S	Best.-Nr./Part No.	Euro
34,9	13,5	57	4/4	12,7	8	7771.349.80	77,90
34,9	13,5	63	4/4	12,7	12	7771.349.12	77,90
41,3	19,1	69	6,3/6,3	12,7	12	7771.413.12	88,70
57,2	25,7	75	9,5/9,5	12,7	12	7771.572.12	118,60

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager 12,7 x 4,76	ball bearing 12,7 x 4,76	7050.100.12	7,30
Kugellager 9,5 x 4,76	ball bearing 9,5 x 4,76	7050.100.95	6,30



7772

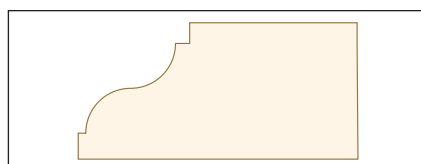
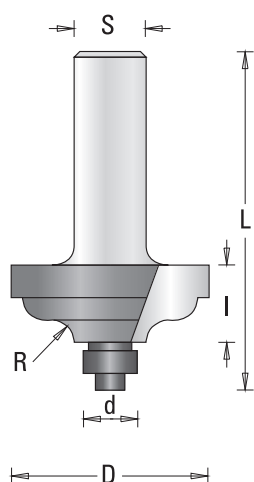
HW-Profilfräser Z2 mit Anlauflager

HW Profile Cutter Z2 with Ball Bearing

Form B

D	I	L	R	d	S	Best.-Nr./Part No.	Euro
34,9	13,5	55	4/4	9,5	8	7772.349.80	77,90
34,9	13,5	61	4/4	9,5	12	7772.349.12	77,90
41,3	19,1	67	6,3/6,3	9,5	12	7772.413.12	88,70
57,2	25,4	75	9,5/9,5	9,5	12	7772.572.12	118,60

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager 9,5 x 4,76	ball bearing 9,5 x 4,76	7050.100.95	6,30
Kugellager 12,7 x 4,76	ball bearing 12,7 x 4,76	7050.100.12	7,30



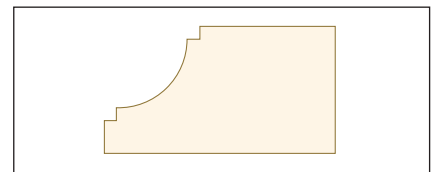
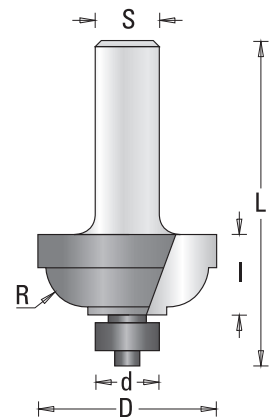
HW-Profilfräser Z2 mit Anlauflager

HW Profile Cutter Z2 with Ball Bearing

7773

D	I	L	R	d	S	Best.-Nr./Part No.	Euro
28,6	12,7	55	4,8	12,7	8	7773.286.80	59,50
34,9	15,9	57	7,9	12,7	8	7773.349.80	69,90
28,6	12,7	61	4,8	12,7	12	7773.286.12	59,50
34,9	15,9	65	7,9	12,7	12	7773.349.12	69,90

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager 12,7 x 4,76	ball bearing 12,7 x 4,76	7050.100.12	7,30



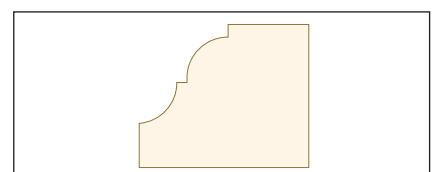
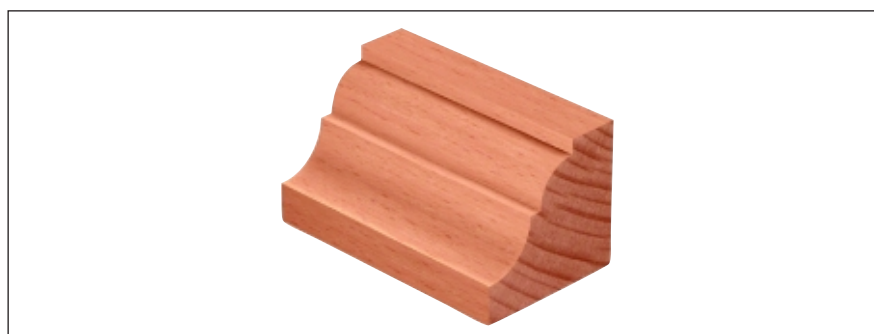
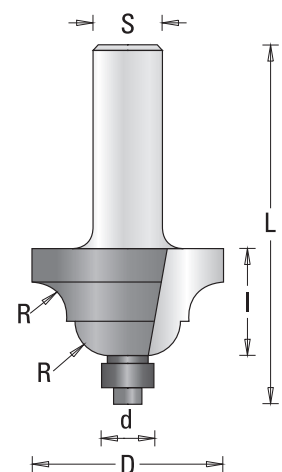
HW-Profilfräser Z2 mit Anlauflager

HW Profile Cutter Z2 with Ball Bearing

7775

D	R	d	S	Best.-Nr./Part No.	Euro
25,4	4/4	9,5	8	7775.254Z80	53,40
34,9	6,3/6,3	9,5	8	7775.349Z80	54,50
34,9	6,3/6,3	9,5	12	7775.349Z12	54,50

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager 9,5 x 3	ball bearing 9,5 x 3	7050.101.95	6,30



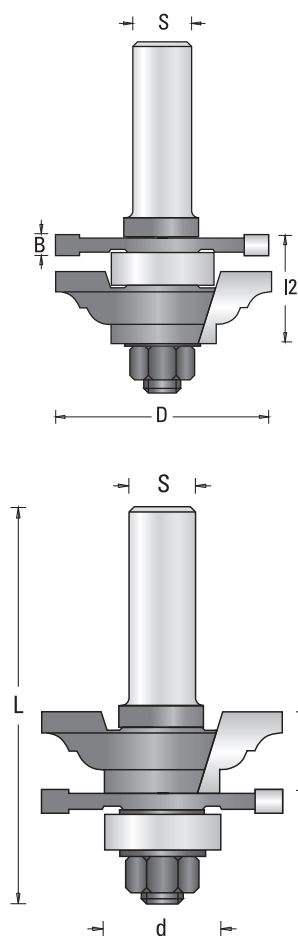
7591

HW-Konterprofilersatz

Z2 + 2

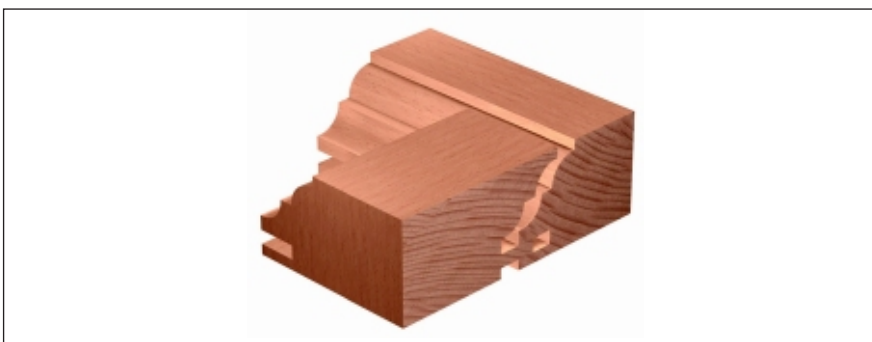
HW Counter Profile Set

Z2 + 2



D	d	B	L	l1	l2	S	Best.-Nr./Part No.	Euro
46	22	4	70	15	22	8	7591.460.80	122,10

Ersatzteile	Spare parts	Best.-Nr./Part No.	Euro
HW-Nutfräser 46x4x8 Z2	HW-Grooving Cutter 46x4x8 Z2	7591.040.80	24,90
Aufnahmedorn mit Mutter	Arbore with Nut	7591.080.80	12,30
HW-Profilfräser 46x15x8 Z2	HW-Profile Cutter 46x15x8 Z2	7591.150.80	82,40
Kugellager ø 22,0 d 8	Ball Bearing ø 22,0 d 8	7050.180.22	8,90



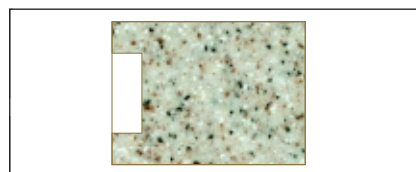
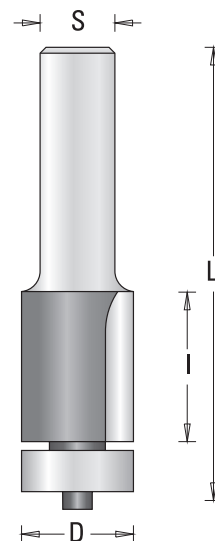
HW-Bündigfräser Z2 für Corian, Schaft 12 mm

- Speziell für die Bearbeitung von Corian und Varicor wurden eine Reihe von Werkzeugen entwickelt, die ein rationelles und präzises Bearbeiten dieser oder ähnlicher Werkstoffe ermöglichen. Die HW-Qualität und Schneidengeometrie ist ebenfalls abgestimmt auf die Materialeigenschaften von Avonit, Sovell, Noblan etc.
- Alle Fräser haben zwei HW-bestückte Schneiden und soweit möglich kunststoffummantelte Anlauflager, um die bei Verwendung von Metallanlauflagern auftretenden Spuren am Werkstück zu vermeiden
- Die Drehzahl muss niedriger gewählt sein, als in der Holzbearbeitung üblich

HW Trimming Cutter Z2 for Corian, Shank 12 mm

- A series of cutters, specially developed for working Corian and Varicor, enables effective and precise machining of these and similar materials. The HW quality and knife geometry are also suited to the specific properties of Avonit, Sovell, Noblan etc.
- All cutters have two HW tipped knives and, wherever possible, plastic coated guide bearings to minimise the markings left by metal guides
- A lower rotation speed must be selected than for wood working usual

7980 Corian



HW-Bündigfräser mit Kunststoff-Anlauflager / HW trimming cutter with plastic guide bearing

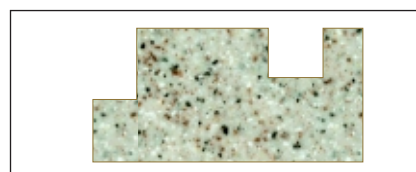
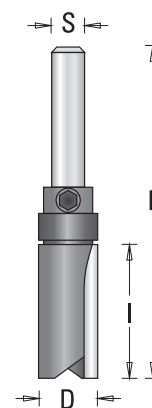
D	I	L	Best.-Nr./Part No.	Euro
19	25	82	7980.190.12	29,40

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager D = 15,9 d = 6,35	ball bearing D = 15,9 d = 6,35	7050.100.15	7,30
Kunststoff-Anlaufring D = 19,0; 0°	plastic guide ring D = 19,0; 0°	7980.019.00	2,60
Sicherungsring Nr. 1	safety ring no. 1	7980.001.00	1,10
Inbusschraube Nr. 1	allen screw no. 1	7980.000.01	1,10

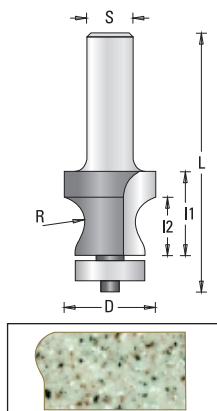
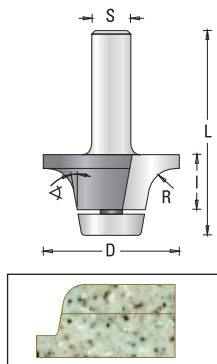
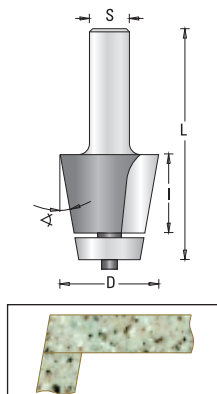
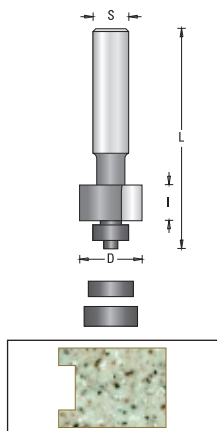
HW-Bündigfräser mit Anlauflager, schaftseitig HW trimming cutter with guide bearing, shank Side

D	I	L	Best.-Nr./Part No.	Euro
28,6	38	92	7980.286.12	42,40

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager D = 28,6 d = 12,7	ball bearing D = 28,6 d = 12,7	7050.100.28	4,00
Sicherungsring Nr. 2	safety ring no. 2	7980.002.00	3,50
Inbusschraube Nr. 4	allen screw no. 4	7980.000.04	1,10



7980 Corian



Fortsetzung

Continuation

HW-Falzfräser mit Anlauflager / HW rebating cutter with guide bearing

D	I	L	d	Best.-Nr./Part No.	Euro
22,2	9,5	78	12,7	7980.222.12	35,90

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager D = 12,7 d = 6,35	ball bearing D = 12,7 d = 6,35	7050.101.12	7,30
Sicherungsring Nr. 1	safety ring no. 1	7980.001.00	1,10
Inbusschraube Nr. 1	allen screw no. 1	7980.000.01	1,10

HW-Fasefräser mit Kunststoff-Anlauflager, konisch HW bevel cutter with plastic guide bearing, conical

D	I	L	∠	Best.-Nr./Part No.	Euro
32	25	81	12°	7980.320.12	49,30

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager ø 15,9 d 6,35	ball bearing D = 15,9 d = 6,35		
Kunststoff-Anlaufring D = 21,8; 10°	plastic guide ring D = 21,8; 10°	7980.021.10	9,90
Sicherungsring Nr. 1	safety ring no. 1	7980.001.00	1,10
Inbusschraube Nr. 1	allen screw no. 1	7980.000.01	1,10

HW-Abrund-Fasefräser mit Kunststoff-Anlauflager, konisch HW rounding cutter with plastic guide bearing, conical

D	I1	I2	L	∠	R	Best.-Nr./Part No.	Euro
51	18,2	13,7	63,5	17°	12,7	7980.510.12	79,60
57	24	20	76	17°	19	7980.570.12	81,80

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager D = 12,7 d 6,35 mit Bund	ball bearing D 12,7 d 6,35 with flange		
Kunststoff-Anlaufring ø 22,2; 10°	plastic guide ring D = 22,2; 10°	7980.022.10	9,90
Inbusschraube Nr. 3	allen screw no. 3	7980.000.03	1,50

HW-Schwallrandfräser mit Kunststoff-Anlauflager HW nose cutter with plastic guide bearing

D	I1	I2	L	R	Best.-Nr./Part No.	Euro
25	29	24	85	8	7980.250.12	48,00

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager D = 15,9 d = 6,35	ball bearing D = 15,9 d = 6,35	7050.100.15	7,30
Kunststoff-Anlaufring ø 19,0; 0°	plastic guide ring ø 19,0; 0°	7980.019.00	2,60
Sicherungsring Nr. 1	safety ring no. 1	7980.001.00	1,10
Inbusschraube Nr. 1	allen screw no. 1	7980.000.01	1,10

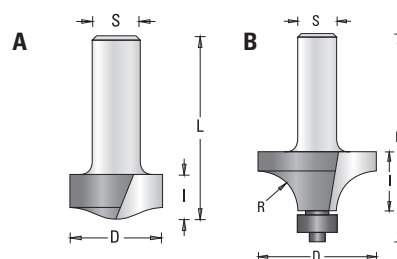
Fortsetzung

Continuation

7980 Corian

HW-Schwallrandfräser mit HW-Abrundfräser mit Kunststoff-Anlauflager HW nose cutter with HW rounding cutter with plastic guide bearing

Profil / Profile	D	I	L	R	R1	R2	Best.-Nr./Part No.	Euro
A	25,4	12,7	54		8	16	7980.254.12	38,50
B	28,6	13,5	61	8			7980.080.12	34,10

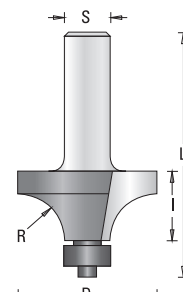


Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager D = 9,5 d = 4,76	ball bearing D = 9,5 d = 4,76	7050.100.95	6,30
Kunststoff-Anlaufring D 12,7; 0°	plastic guide ring D 12,7; 0°	7980.012.00	2,60
Sicherungsring Nr. 1	safety ring no. 1	7980.001.00	1,10
Inbusschraube Nr. 2	allen screw no. 2	7980.000.02	1,10

HW-Abrundfräser mit Kunststoff-Anlauflager HW rounding cutter with plastic guide bearing

D	I	L	R	Best.-Nr./Part No.	Euro
38	19	65	12,7	7980.127.12	38,50

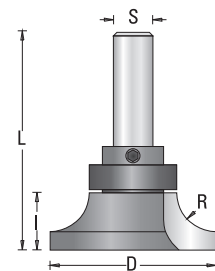
Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager D = 9,5 d = 4,76	ball bearing D = 9,5 d = 4,76	7050.100.95	6,30
Kunststoff-Anlaufring Ø 12,7; 0°	plastic guide ring D = 12,7; 0°	7980.012.00	2,60
Sicherungsring Nr. 1	safety ring no. 1	7980.001.00	1,10
Inbusschraube Nr. 2	allen screw no. 2	7980.000.02	1,10



HW-Abrundfräser mit Kunststoff-Anlauflager, schaftseitig HW rounding cutter with plastic guide bearing, shank side

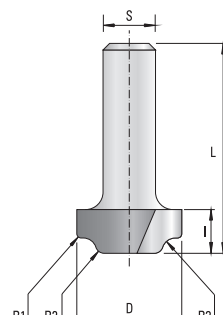
D	I	L	R	Best.-Nr./Part No.	Euro
54	20	73	12,7	7980.540.12	97,70

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager D = 24,0 d = 15	ball bearing D = 24,0 d = 15	7050.100.24	8,90
Kunststoff-Anlaufring D = 28,6; 0°	plastic guide ring D = 28,6; 0°	7980.028.00	8,20
Sicherungsring Nr. 2	safety ring no. 2	7980.002.00	3,50
Inbusschraube Nr. 4	allen screw no. 4	7980.000.04	1,10



HW-Profilfräser / HW profile cutter

D	I	L	R1	R2	R3	Best.-Nr./Part No.	Euro
24	10	50	1	2	3	7980.240.12	38,50



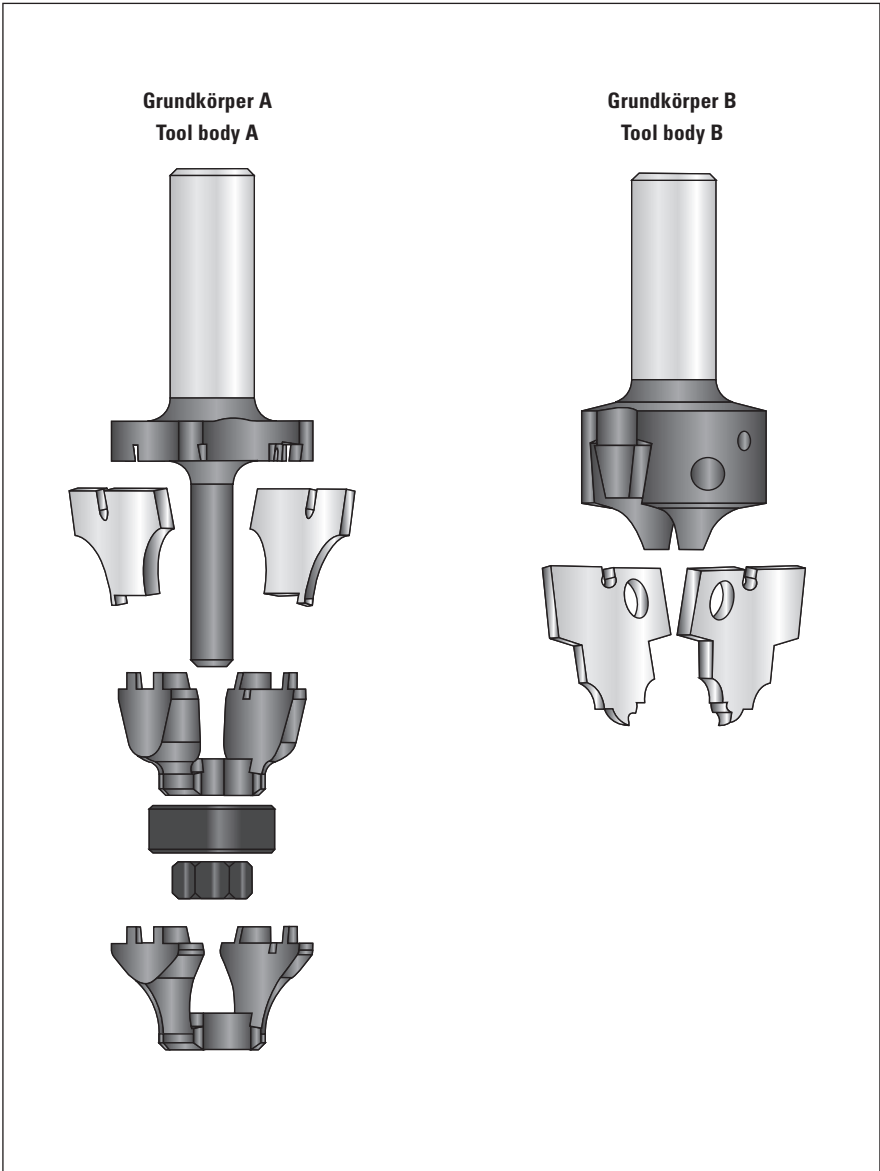
7979

NOVA-WPL-Oberfräser
Grundkörper Z2

NOVA-Router Tool Body Z2

		S	Best.-Nr./Part No.	Euro
Grundkörper A	Tool body A	S8	7979.001.80	56,40
Grundkörper A	Tool body A	S12	7979.001.12	56,40
Kugellager ø19x6,35	ball bearing ø19x6,35		7050.100.19	7,30

		S	Best.-Nr./Part No.	Euro
Grundkörper B	Tool body B	S8	7979.002.80	41,50
Grundkörper B	Tool body B	S12	7979.002.12	41,50

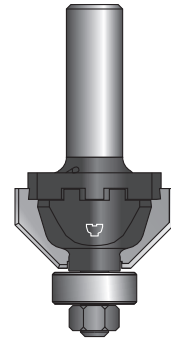
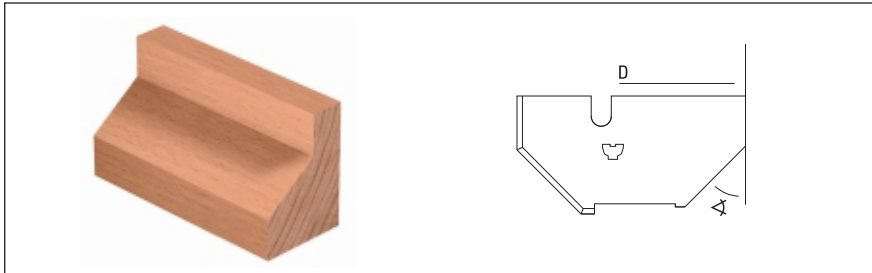


NOVA-Profilmesser

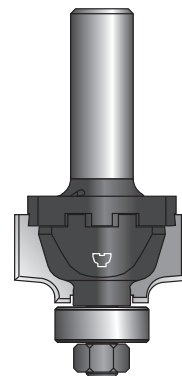
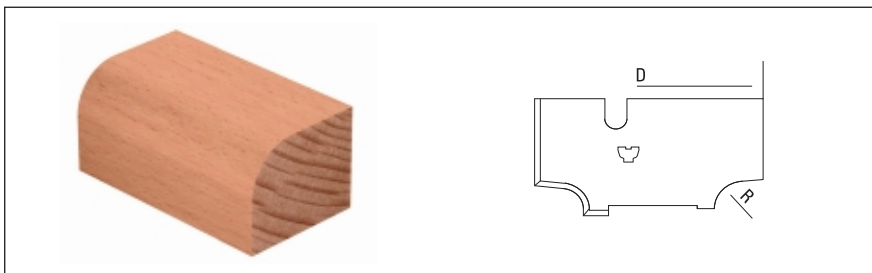
NOVA Profile Knives

7979

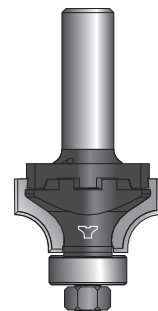
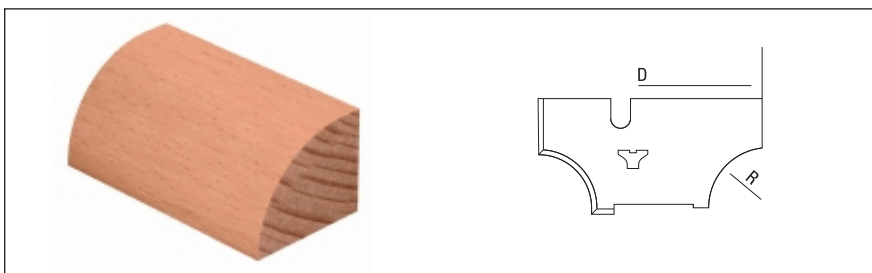
		Grundkörper / Tool body	Profile / Profile	Best.-Nr./Part No.	Euro
HW-Fasemesser 30°	HW bevel knife 30°	A	A 01	4209.030.00	12,30
HW-Fasemesser 45°	HW bevel knife 45°	A	A 02	4209.045.00	12,30



		Grundkörper / Tool body	Profile / Profile	Best.-Nr./Part No.	Euro
HW-Abrundmesser R3,2	HW rounding knife R3,2	A	A 03	4209.320.00	12,30
HW-Abrundmesser R4,8	HW rounding knife R4,8	A	A 04	4209.480.00	12,30



		Grundkörper / Tool body	Profile / Profile	Best.-Nr./Part No.	Euro
HW-Abrundmesser R6,35	HW rounding knife R6,35	A	A05	4209.635.00	12,30
HW-Abrundmesser R7,9	HW rounding knife R7,9	A	A06	4209.790.00	12,30
HW-Abrundmesser R9,5	HW rounding knife R9,5	A	A07	4209.950.00	12,30

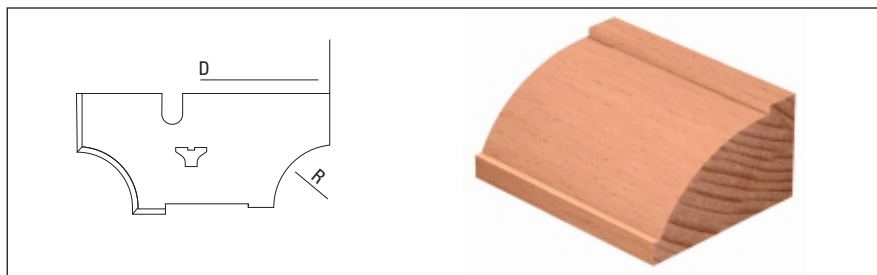
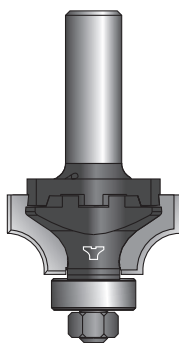


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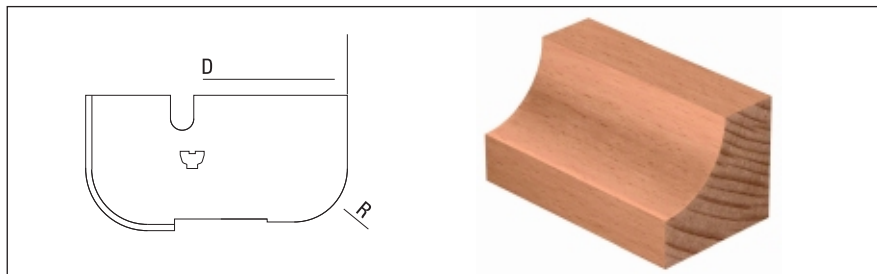
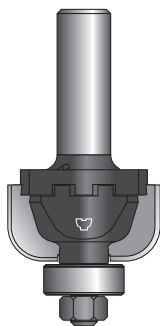
NOVA-Profilmesser

NOVA Profile Knives

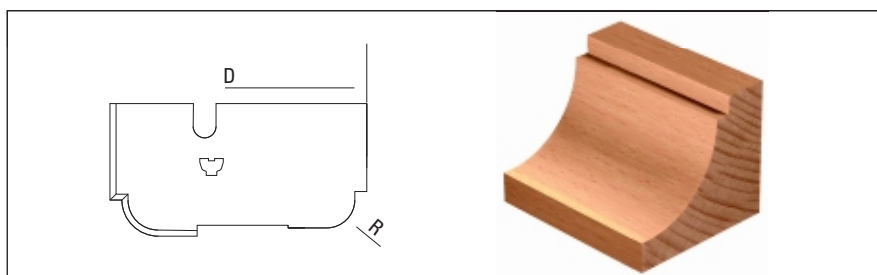
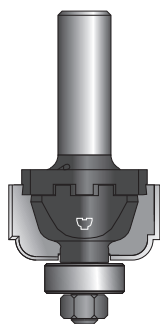
		Grundkörper / Tool body	Profile / Profile	Best.-Nr./Part No.	Euro
HW-Viertelstabmesser R4,8	HW quarter round knife R4,8	A	A08	4209.480.01	12,30
HW-Viertelstabmesser R6,35	HW quarter round knife R6,35	A	A09	4209.635.01	12,30
HW-Viertelstabmesser R7,9	HW quarter round knife R7,9	A	A10	4209.790.01	12,30



		Grundkörper / Tool body	Profile / Profile	Best.-Nr./Part No.	Euro
HW-Hohlkehlmesser R6,35	HW convex radius knife R6,35	A	A11	4209.063.00	12,30
HW-Hohlkehlmesser R7,9	HW convex radius knife R7,9	A	A12	4209.079.00	12,30
HW-Hohlkehlmesser R9,5	HW convex radius knife R9,5	A	A13	4209.095.00	12,30



		Grundkörper / Tool body	Profile / Profile	Best.-Nr./Part No.	Euro
HW-Profilmesser R4,8	HW profile knife R4,8	A	A14	4209.044.01	12,30

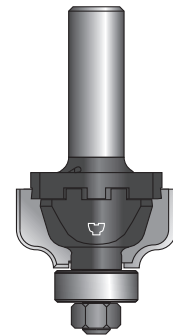
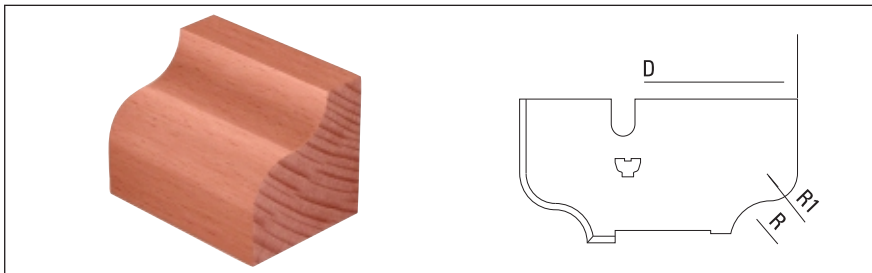


NOVA-Profilmesser

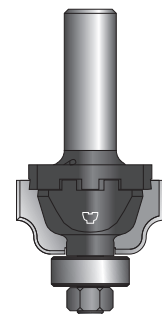
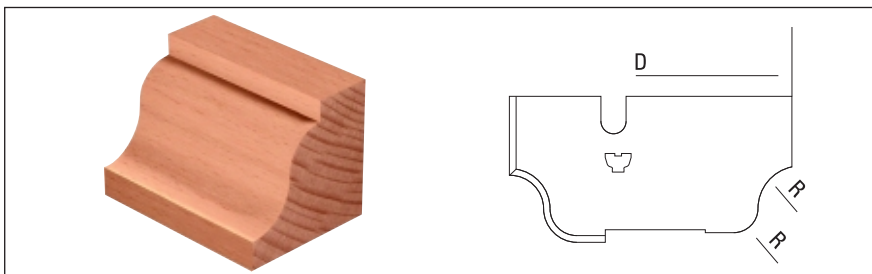
NOVA Profile Knives

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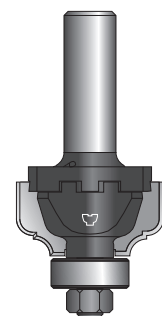
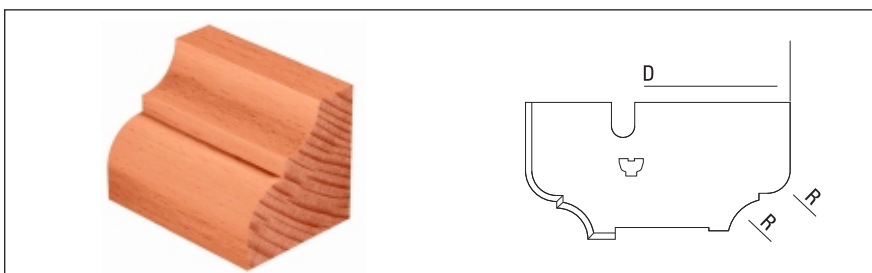
		Grundkörper / Tool body	Profile / Profile	Best.-Nr./Part No.	Euro
HW-Profilmesser R4/R4,5, D 36	HW profile knife R4/R4,5	A	A15	4209.440.00	13,40
HW-Profilmesser R4/R4,5, D 38	HW profile knife R4/R4,5	A	A16	4209.440.01	12,30



		Grundkörper / Tool body	Profile / Profile	Best.-Nr./Part No.	Euro
HW-Profilmesser R4/R4	HW profile knife R4/R4	A	A17	4209.040.01	12,30



		Grundkörper / Tool body	Profile / Profile	Best.-Nr./Part No.	Euro
HW-Profilmesser R4/R4, D 35	HW profile knife R4/R4, D 35	A	A18	4209.400.00	13,40
HW-Profilmesser R4/R4, D 38	HW profile knife R4/R4, D 38	A	A19	4209.400.01	13,40

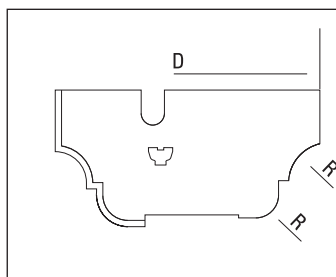
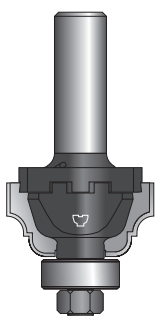


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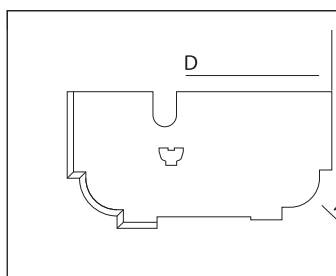
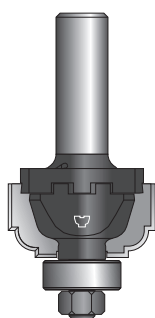
NOVA-Profilmesser

NOVA Profile Knives

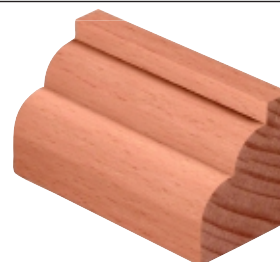
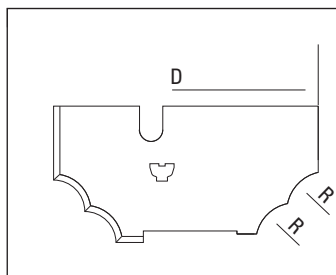
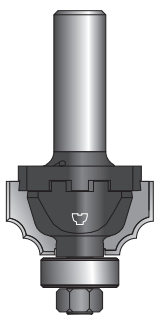
		Grundkörper / Tool body	Profile / Profile	Best.-Nr./Part No.	Euro
HW-Profilmesser R4/4	HW profile knife R4/4	A	A20	4209.040.00	13,40



		Grundkörper / Tool body	Profile / Profile	Best.-Nr./Part No.	Euro
HW-Profilmesser R4,8	HW profile knife R4,8	A	A21	4209.044.00	12,30



		Grundkörper / Tool body	Profile / Profile	Best.-Nr./Part No.	Euro
HW-Profilmesser R4/4, D 35	HW profile knife R4/4	A	A22	4209.404.00	13,40
HW-Profilmesser R4/4, D 38	HW profile knife R4/4	A	A23	4209.404.01	13,40

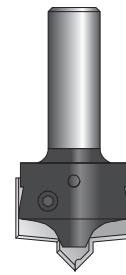
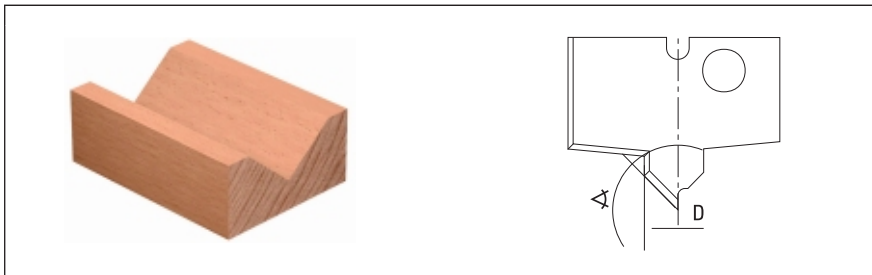


NOVA-Profilmesser

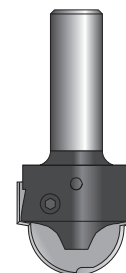
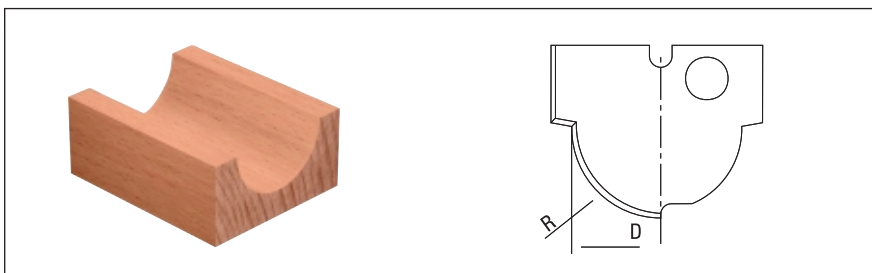
NOVA Profile Knives

7979

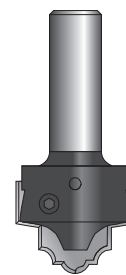
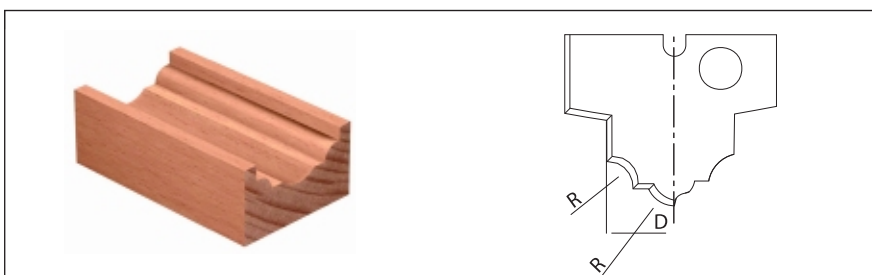
		Grundkörper / Tool body	Profile / Profile	Best.-Nr./Part No.	Euro
HW-V-Nutfräser 90°	HW V-groove 90°	B	B51	4209.090.02	12,50
HW-V-Nutfräser 60°	HW V-groove 60°	B	B52	4209.060.02	12,50



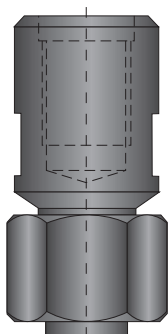
		Grundkörper / Tool body	Profile / Profile	Best.-Nr./Part No.	Euro
HW-Hohlkehlmesser R6,35	HW concave knife R6,35	B	B53	4209.006.02	12,50
HW-Hohlkehlmesser R12,7	HW concave knife R12,7	B	B54	4209.012.02	12,50



		Grundkörper / Tool body	Profile / Profile	Best.-Nr./Part No.	Euro
HW-Profilmesser R4/R4	HW profile knife R4/R4	B	B55	4209.040.02	12,50



7060



Spannzangenfutter 3-teilig

3-Part Collet Chucks

Innengewinde M10 / Internal thread M 10

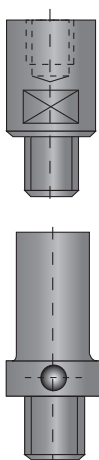
d	Größe/Size	Best.-Nr./Part No.	Euro
6	1	7060.010.60	31,30
8	1	7060.030.80	31,30

Innengewinde M12x1 / Internal thread M 12x1

d	Größe/Size	Best.-Nr./Part No.	Euro
6	1	7060.100.60	31,30
8	1	7060.300.80	31,30
10	2	7060.400.10	31,30
12	3	7060.500.12	41,80

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Spannzange Größe 1, d6	collet size 1, d6	7060.110.60	15,40
Spannzange Größe 1, d8	collet size 1, d8	7060.310.80	15,40
Spannzange Größe 2, d10	collet size 2, d10	7060.410.10	15,40
Spannzange Größe 3, d12	collet size 3, d12	7060.510.12	17,90
Überwurfmutter Größe 1	union nut size 1	7060.000.01	4,10
Überwurfmutter Größe 2	union nut size 2	7060.000.02	4,40
Überwurfmutter Größe 3	union nut size 3	7060.000.03	6,90

7070



Gewindereduktion

Thread Reduction

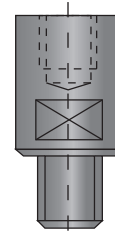
Ausführung	Version	Best.-Nr./Part No.	Euro
M12x1 Innen auf M10 Aussen	M12x1 inside on M10 outside	7070.012.10	12,90
M10 Innen auf M12x1 Aussen	M10 inside on M12x1 outside	7070.010.12	12,90
10x35 zyl. auf M12x1 Aussen	10x35 cyl. on M12x1 outside	7070.100.12	19,20
10x35 zyl. auf M10 Aussen	10x35 cyl. on M10 outside	7070.100.10	19,20
M12x1 Aussen auf 12x50 zyl.	M12x1 outside on 12x50 cyl.	7070.201.12	19,70
M10 Aussen auf 12x35 zyl.	M10 outside on 12x35 cyl.	7070.200.10	19,20
M16 Aussen auf M10 Aussen	M16 outside on M10 outside	7070.016.10	21,80
M16 Aussen auf M12x1 Aussen	M16 outside on M12x1 outside	7070.016.12	21,80

Verlängerung

Extensions

7080

Ausführung	Version	l	Best.-Nr./Part No.	Euro
M12x1 Innen auf M12x1 Aussen	M12x1 inside on M12x1 outside	18	7080.012.18	12,60
M12x1 Innen auf M12x1 Aussen	M12x1 inside on M12x1 outside	25	7080.012.25	13,10
M12x1 Innen auf M12x1 Aussen	M12x1 inside on M12x1 outside	35	7080.012.35	13,70
M10 Innen auf M10 Aussen	M10 inside on M10 outside	20	7080.010.20	12,60
M10 Innen auf M10 Aussen	M10 inside on M10 outside	25	7080.010.25	13,10
M10 Innen auf M10 Aussen	M10 inside on M10 outside	35	7080.010.35	14,00
M10 Innen auf M10 Aussen	M10 inside on M10 outside	40	7080.010.40	15,10

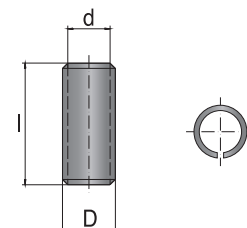


Spannhülsen geschlitzt

Mounting Sleeves, slotted

7035

d	D	l	Best.-Nr./Part No.	Euro
6	8	23	7035.060.80	10,20
8	10	23	7035.080.10	11,50
8	12	23	7035.080.12	10,70

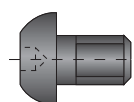
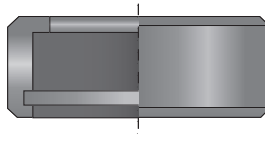
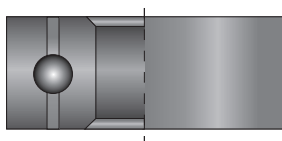


7050

Ersatzteile für Oberfräser

Spare Parts for Routers

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager ø 6,3x3,1	ball bearing ø 6,3x3,1	7050.100.63	5,10
Kugellager ø 9,5x3	ball bearing ø 9,5x3	7050.101.95	6,30
Kugellager ø 9,5x4,76	ball bearing ø 9,5x4,76	7050.100.95	6,30
Kugellager ø 10x4	ball bearing ø 10x4	7050.100.10	7,30
Kugellager ø 12,7x4,76	ball bearing ø 12,7x4,76	7050.100.12	7,30
Kugellager ø 12,7x6,35	ball bearing ø 12,7x6,35	7050.101.12	7,30
Kugellager mit Bund ø 12,7x6,35	ball bearing with flange ø 12,7x6,35	7050.102.12	7,30
Kugellager ø 15,9x6,35	ball bearing ø 15,9x6,35	7050.100.15	7,30
Kugellager ø 16x4,7	ball bearing ø 16x4,7	7050.100.16	7,30
Kugellager ø 16x5	ball bearing ø 16x5	7050.100.14	7,30
Kugellager ø 16x6x5	ball bearing ø 16x6x5	7050.160.16	7,30
Kugellager ø 16x8	ball bearing ø 16x8	7050.180.16	7,30
Kugellager ø 19x4,7	ball bearing ø 19x4,7	7050.100.18	7,30
Kugellager ø 19x6,0 mm zum WPL-Bündigfräser # 7920.190.80	ball bearing ø 19x6,0 mm f. Turnblade trimming cutter # 7920.190.80	7050.101.19	7,20
Kugellager ø 19x6,35	ball bearing ø 19x6,35	7050.100.19	7,30
Kugellager ø 22x7	ball bearing ø 22x7	7050.100.22	8,90
Kugellager ø 22x8	ball bearing ø 22x8	7050.180.22	8,90
Kugellager ø 24x15	ball bearing ø 24x15	7050.100.24	8,90
Kugellager ø 25,4x6,3	ball bearing ø 25,4x6,3	7050.200.25	9,80
Kugellager ø 28,6x12,7	ball bearing ø 28,6x12,7	7050.100.28	4,00
Kugellager ø 35x15	ball bearing ø 35x15	7050.200.35	5,10
Spannmutter M6	lock nut M6	7050.300.06	1,50
Spannmutter M8	lock nut M8	7050.300.08	1,50
Torx-Spannschraube Großkopf M4x5,9 (T15)	Torx screw M4x5,9 (T15)	7050.400.10	1,10
Torx-Spannschraube M4x5,6 (T15)	Torx screw M4x5,6 (T15)	7050.400.12	1,10
Torx-Schraubendreher T 1,5	Torx key T1,5	7050.150.00	6,90
Torx-Schraubendreher T15	Torx key T15	7050.400.00	4,60



7020

Wechsel-Anlaufsatz für Handoberfräser

Replacement Bearing Guides for Routers

Ausführung	Version	Best.-Nr./Part No.	Euro
Anlaufsatz für d Ø 9 mm	guide ball-bearing set for d Ø 9 mm	7020.090.00	10,90
Anlaufsatz für d Ø 12 mm	guide ball-bearing set for d Ø 12 mm	7020.120.00	12,40
Anlaufsatz für d Ø 14 mm	guide ball-bearing set for d Ø 14 mm	7020.140.00	13,10

