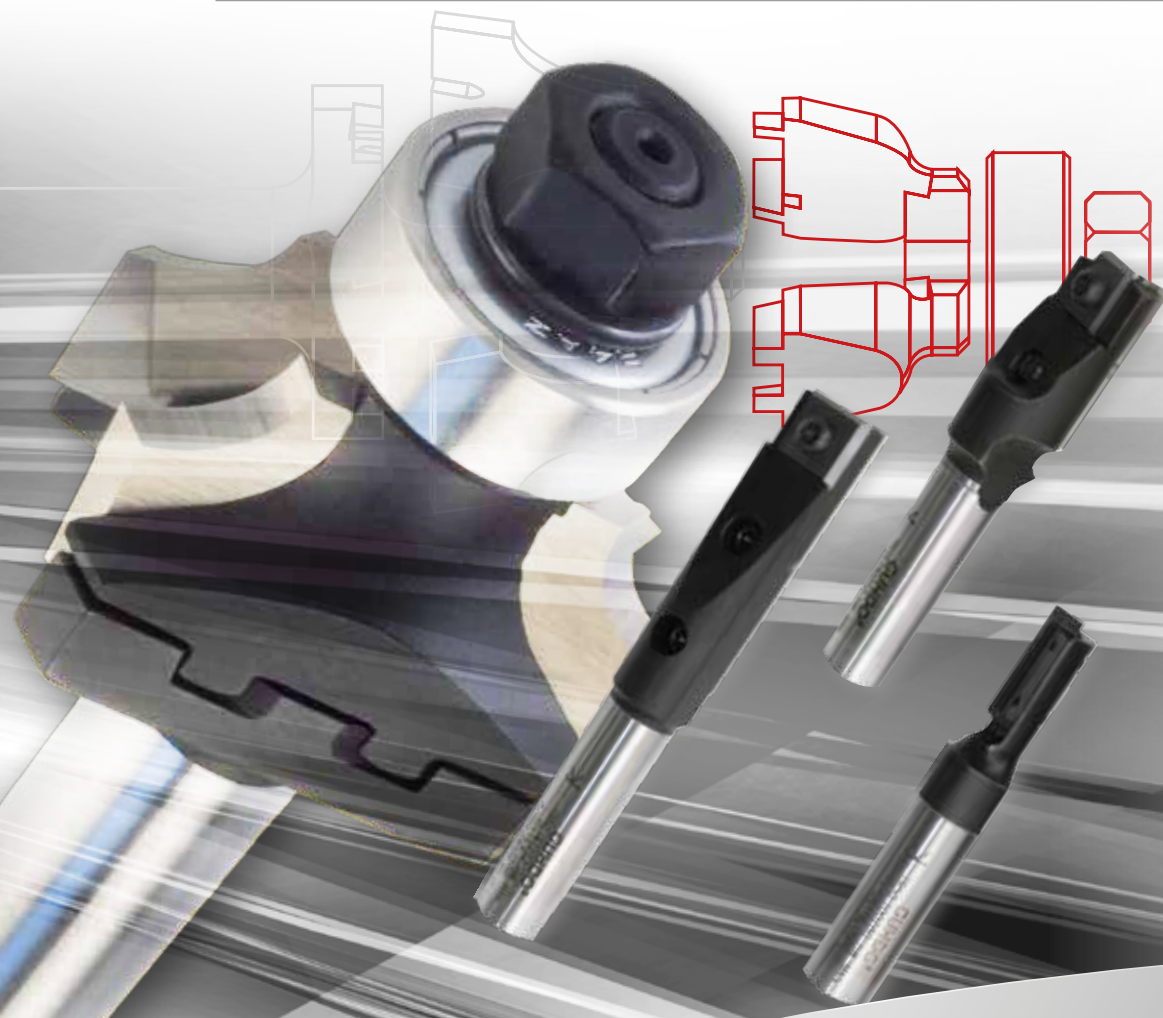
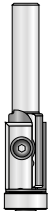
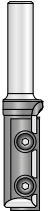
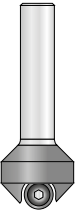
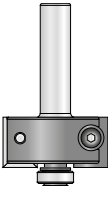

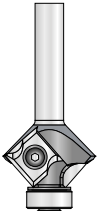
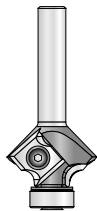
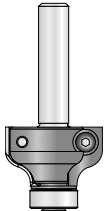
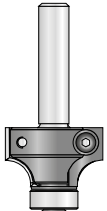
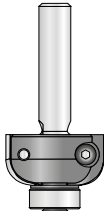




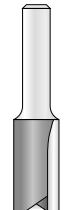
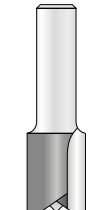
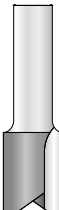
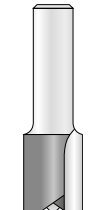
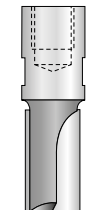
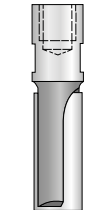
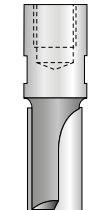
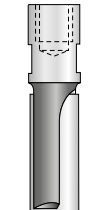
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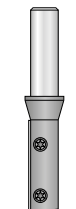
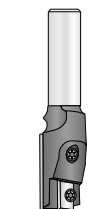
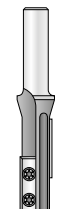
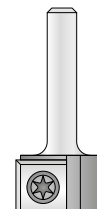
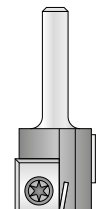
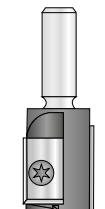
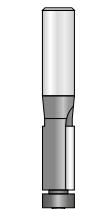
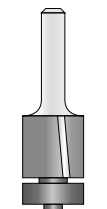
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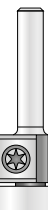

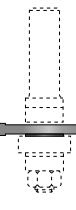
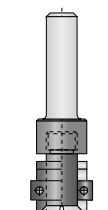
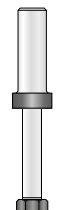
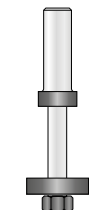
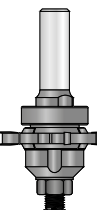
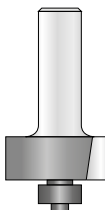
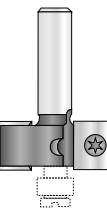
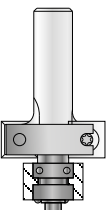
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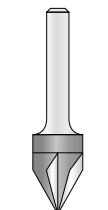

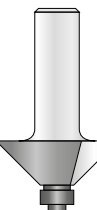
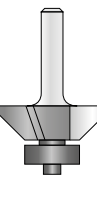
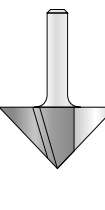
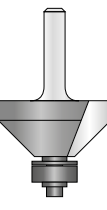
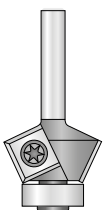


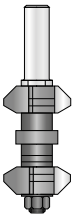

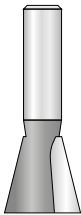







									
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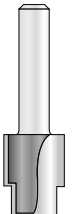
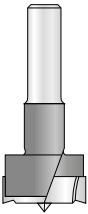
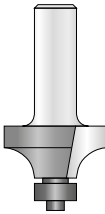
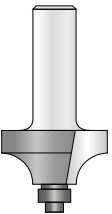
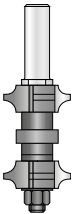


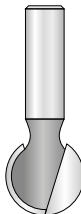
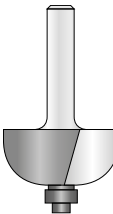
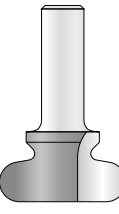
									
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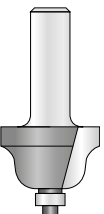


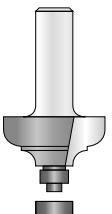
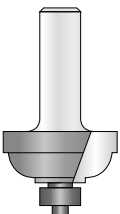
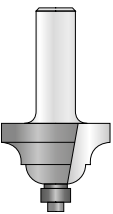
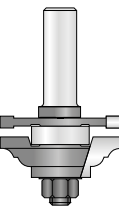

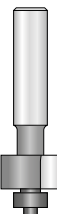
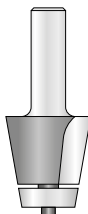
									
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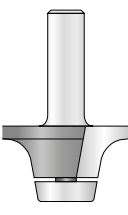
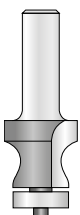
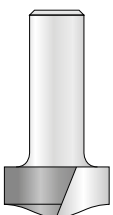
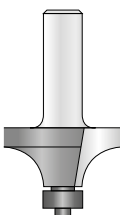
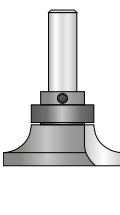
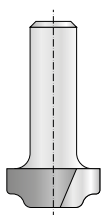
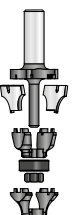
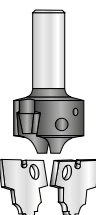
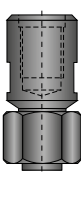
									
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200	201	201	202	202	203	203	204	204	205

									
7718	7630	7631	7650	7880	7895	7896	7897	7894/7898	7385
205	206	206	207	207	208	208	209	209	210

									
7752	7560	7741	7746	7738	7602	7730	7769	7735	7747
210	211	212	213	213	214	214	215	215	216

									
7750	7753	7759	7765	7773	7775	7591	7980	7980.222.12	7980.320.12
216	217	217	218	219	219	220	221	222	222

								
7980.510.12	7980.250.12	7980	7980.254.12	7980.540.12	7980.240.12	7979	7979	Zub./Misc.
222	222	223	223	223	223	224	225 – 229	230 f.

**MITBEWERBER
COMPETITOR**

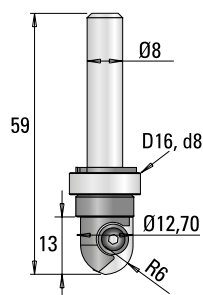
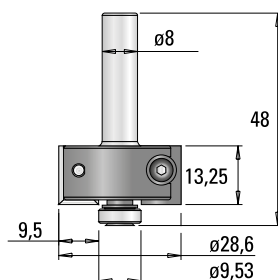
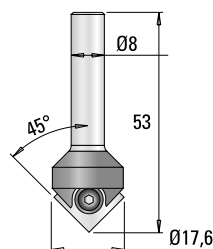
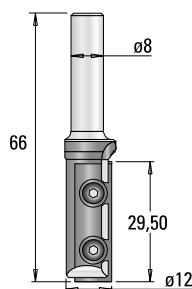
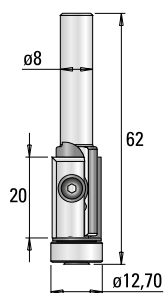
EIN KLEINES WIRTSCHAFTSWUNDER... A LITTLE ECONOMIC MIRACLE...

Bis zu 3-fach höhere Standzeiten! Weitere Informationen auf den Seiten 108/109
Up to a 3-times higher service life! Further Informations on page 108/109

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	38,20

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	6,90

HW-WPL Nutfräser / Straight Bit

D	I	L	S	Best.-Nr./Part No.	Euro
12	29,5	66	8	7900.120.80	37,50

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	8,30

HW-WPL V- Nutfräser / V-Groove Bit

D	I	L	S	Best.-Nr./Part No.	Euro
17,6	45°	53	8	7900.176.80	54,60

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	1,90

HW-WPL Falzfräser / Super Rebate

D	I	d	S	Best.-Nr./Part No.	Euro
28,6	13,25	9,5	8	7900.286.80	63,60

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	5,90

HW-WPL Hohlkehlfräser / Core Box

D	R	L	S	Best.-Nr./Part No.	Euro
12,7	6	59	8	7900.060.80	43,30

HW Ersatzplatten	Replacement Knives	Best.-Nr./Part No.	Euro
HW Wechselpatte 12 x 9 x 1,5 R6,35	HW knife 12 x 9 x 1,5 R6,35	7900.012.63	9,60

HW WPL Oberfräserprogramm

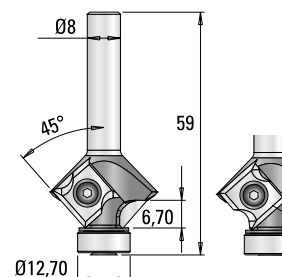
Replaceable Carbide Bits

7900

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

D	R / 	L	S	Best.-Nr./Part No.	Euro
26,7	3 / 45°	59	8	7900.145.80	61,70

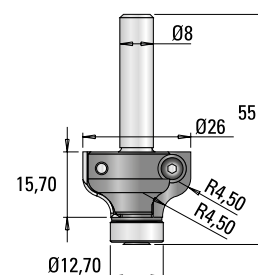
HW Ersatzplatten	Replacement Knives	Best.-Nr./Part No.	Euro
HW Wendeplatte 12 x 12 x 1,5 R2	HW turnblade 12 x 12 x 1,5 R2	7900.012.02	8,70
HW Wendeplatte 12 x 12 x 1,5 R3	HW turnblade 12 x 12 x 1,5 R3	7900.012.03	8,70



HW-WPL Profilfräser / Profile Cutter

D	R	L	S	Best.-Nr./Part No.	Euro
26	4,5/4,5	55	8	7900.245.80	75,90

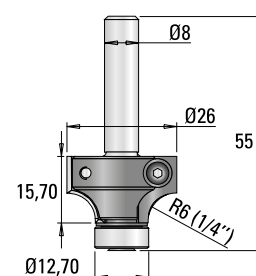
HW Ersatzplatten	Replacement Knives	Best.-Nr./Part No.	Euro
HW Wechselplatte 15,7x9x1,5xR4,5	HW knife 15,7 x 9 x 1,5 x R4,5	7900.015.45	9,60



HW-WPL Abrundfräser / Rounding-Over Bit

D	R	L	S	Best.-Nr./Part No.	Euro
26	6,35	55	8	7900.062.80	63,60

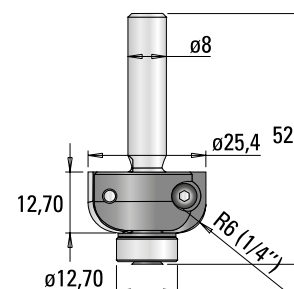
HW Ersatzplatten	Replacement Knives	Best.-Nr./Part No.	Euro
HW Wechselplatte 15,7x9x1,5xR6,35	HW knife 15,7 x 9 x 1,5 x R6,35	7900.015.63	9,60



HW-WPL Hohlkehlfraäser / Core Cutter

D	R	d	S	Best.-Nr./Part No.	Euro
25,4	6	12,7	8	7900.061.80	64,20

HW Ersatzplatten	Replacement Knives	Best.-Nr./Part No.	Euro
HW Wechselplatte 12,7x9x1,5xR6,35	HW knife 12,7 x 9 x 1,5 x R6,35	7900.120.63	9,60

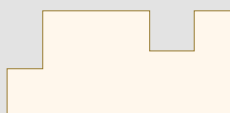
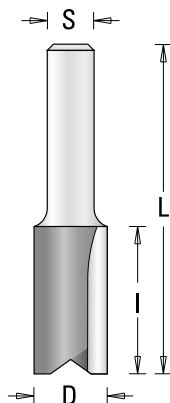


Ersatzteile	Spare parts	Best.-Nr./Part No.	Euro
Spannschraube M3 X 4	clamping screw M3 X 4	7900.003.25	5,10
Schraube M3 SW2 für Lager	screw M3 SW2 for bearing	7900.005.40	3,70
Ring 12 / 4,76	ring 12 / 4,76	7900.012.47	1,50
Ring 8 / 4,76	ring 8 / 4,76	7980.001.00	1,50
Kugellager 9,5 x 4,76	ball bearing 9,5 x 4,76	7050.100.95	8,10
Kugellager 12,7 x 4,76	ball bearing 12,7 x 4,76	7050.100.12	9,40
Kugellager 16 x 8	ball bearing 16 x 8	7050.180.16	9,40
Inbusschlüssel SW 2	allen wrench SW 2	4067.020.00	4,90

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	26,70
2	5	43	6	7520.020.60	26,70
2,5	8	48	6	7520.025.60	26,70
3	11	51	6	7520.030.60	26,90
4	11	51	6	7520.040.60	27,60
5	11	51	6	7520.050.60	28,00
5	16	56	6	7520.051.60	23,10
6	19	51	6	7520.060.60	28,50
6	25	57	6	7520.061.60	27,10
6,5	25	57	6	7520.065.60	28,20
7	19	51	6	7520.070.60	32,70
7	25	57	6	7520.071.60	28,20
8	25	57	6	7520.082.60	29,70
9	19	51	6	7520.090.60	28,20
10	19	51	6	7520.100.60	29,10
10	25	57	6	7520.102.60	31,20
10	32	64	6	7520.101.60	37,70
11	25	57	6	7520.111.60	32,20
12	19	51	6	7520.120.60	30,20
12	32	64	6	7520.121.60	38,30
12	25	57	6	7520.122.60	32,70
13	19	51	6	7520.130.60	36,10
13	32	64	6	7520.132.60	33,40
14	19	51	6	7520.140.60	31,20
15	19	51	6	7520.150.60	33,90
16	19	51	6	7520.160.60	32,20
16	25	57	6	7520.161.60	33,80
16	32	64	6	7520.162.60	35,10
18	19	51	6	7520.180.60	33,90
19	25	57	6	7520.191.60	37,70
20	19	51	6	7520.200.60	35,50
21	19	51	6	7520.210.60	37,10
22	19	51	6	7520.220.60	37,70
25	19	51	6	7520.250.60	40,30

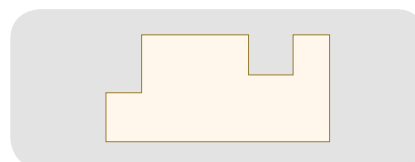
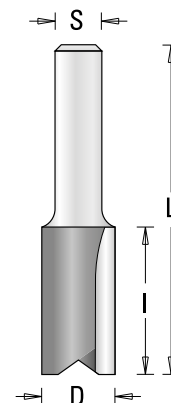
HW-Nutfräser Z2

HW Straight Bit Z2

7520

S = 8 mm

D	I	L	S	Best.-Nr./Part No.	Euro
3	11	51	8	7520.030.80	23,70
4	11	51	8	7520.040.80	24,30
5	11	51	8	7520.050.80	24,80
6	19	57	8	7520.060.80	25,20
6	25	63	8	7520.061.80	27,10
7	19	57	8	7520.070.80	27,30
8	19	57	8	7520.080.80	25,70
8	25	63	8	7520.081.80	36,10
8	25	80	8	7520.082.80	44,10
10	19	51	8	7520.100.80	25,90
10	25	57	8	7520.102.80	31,20
10	32	64	8	7520.101.80	37,70
10	32	80	8	7520.103.80	49,30
11	19	51	8	7520.110.80	28,60
11	25	57	8	7520.111.80	32,20
12	19	51	8	7520.120.80	26,90
12	25	57	8	7520.122.80	32,70
12	32	64	8	7520.121.80	38,30
12	32	80	8	7520.123.80	50,80
13	19	51	8	7520.130.80	30,70
14	19	51	8	7520.140.80	28,00
14	19	70	8	7520.141.80	48,80
14	25	57	8	7520.142.80	31,20
15	19	51	8	7520.150.80	33,90
16	19	51	8	7520.160.80	29,10
16	25	57	8	7520.161.80	34,20
16	25	85	8	7520.162.80	50,20
18	19	51	8	7520.180.80	30,20
18	19	70	8	7520.181.80	52,80
19	19	51	8	7520.190.80	35,70
20	19	51	8	7520.200.80	31,80
20	19	70	8	7520.201.80	52,30
22	19	51	8	7520.220.80	37,70
22	19	70	8	7520.221.80	59,30
24	19	51	8	7520.240.80	40,30
25	19	51	8	7520.250.80	40,30
26	19	51	8	7520.260.80	45,30
28	19	51	8	7520.280.80	45,70

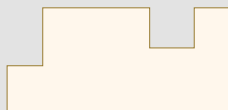
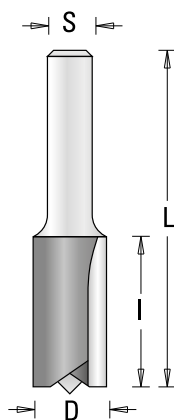


Gmax
EXTENDED LIFE

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	23,70
4	11	51	8	7520.040.80	24,30
5	11	51	8	7520.050.80	24,80
6	19	57	8	7520.060.80	25,20
7	15	55	8	7523.070.80	37,00
8	20	55	8	7523.080.80	33,90
8	30	90	8	7523.081.80	39,60
9	20	55	8	7523.090.80	45,20
10	20	60	8	7523.100.80	38,80
10	30	90	8	7523.101.80	42,60
11	20	60	8	7523.110.80	46,20
12	20	60	8	7523.120.80	40,90
12	30	90	8	7523.121.80	44,70
13	20	60	8	7523.130.80	50,00
14	20	60	8	7523.140.80	41,90
14	30	90	8	7523.141.80	47,20
15	20	70	8	7523.150.80	43,00
16	20	70	8	7523.160.80	43,50
16	30	90	8	7523.161.80	49,50
18	19	70	8	7523.180.80	45,20
20	19	70	8	7523.200.80	46,80
22	16	70	8	7523.220.80	55,40
24	16	70	8	7523.240.80	56,50
25	16	70	8	7523.250.80	58,00
26	16	70	8	7523.260.80	60,80
28	16	70	8	7523.280.80	66,70
30	16	70	8	7523.300.80	69,90



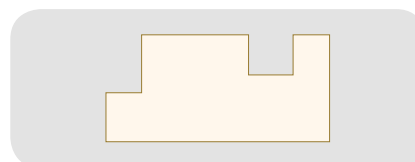
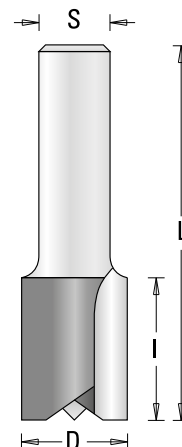
HW-Nutfräser Z2 mit Bohrschneide

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	31,80
5	12	49	10x35	7530.005.00	32,20
6	14	53	10x35	7530.006.00	34,50
7	15	55	10x35	7530.007.00	36,60
8	20	60	10x35	7530.008.00	40,40
9	20	60	10x35	7530.009.00	41,90
10	23	70	10x47	7530.010.00	43,50
10	40	97	10x50	7530.010.10	54,90
12	23	70	10x47	7530.012.00	46,80
12	40	97	10x50	7530.012.10	55,40
14	23	70	10x47	7530.014.00	49,50
14	40	97	10x50	7530.014.10	57,00
16	25	70	10x35	7530.016.00	53,80
16	45	97	10x50	7530.016.10	57,00
18	25	70	10x45	7530.018.00	56,50
18	45	97	10x50	7530.018.10	61,30
20	25	70	10x35	7530.020.00	58,50
20	45	97	10x50	7530.020.10	67,10
22	25	70	10x35	7530.022.00	62,80
24	25	70	10x35	7530.024.00	69,90
26	25	70	10x35	7530.026.00	78,90
30	25	70	10x35	7530.030.00	88,70

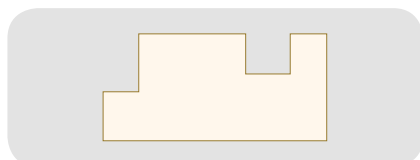
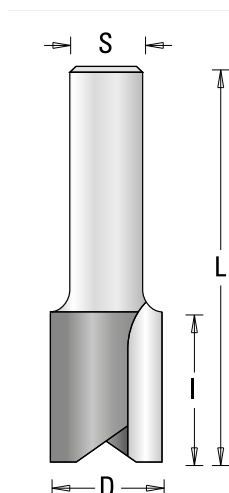


Gmax
EXTENDED LIFE

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	27,70
5	11	60	12	7534.005.11	27,70
6	19	64	12	7534.006.19	28,20
7	19	63	12	7534.007.19	27,70
8	19	63	12	7534.008.19	30,70
8	25	69	12	7534.008.25	33,80
10	19	63	12	7534.010.19	31,80
10	25	69	12	7534.010.25	34,80
10	32	76	12	7534.010.32	35,70
12	25	66	12	7534.012.25	34,80
12	32	73	12	7534.012.32	36,70
12	38	79	12	7534.012.38	41,20
12	51	108	12	7534.012.51	52,80
13,5	32	73	12	7534.135.32	38,70
14	25	66	12	7534.014.25	35,10
15	25	66	12	7534.015.25	37,10
16	25	66	12	7534.016.25	36,20
16	32	73	12	7534.016.32	37,70
16	38	79	12	7534.016.38	41,20
16,7	32	73	12	7534.167.32	39,60
18	32	73	12	7534.018.32	41,20
18	51	92	12	7534.018.51	71,30
19	25	66	12	7534.019.25	39,60
19	38	79	12	7534.019.38	44,90
20	25	66	12	7534.020.25	41,10
20	32	73	12	7534.020.32	43,30
20	51	92	12	7534.020.51	76,30
22	25	66	12	7534.022.25	43,70
22	32	73	12	7534.022.32	46,10
22	51	92	12	7534.022.51	81,90
24	19	60	12	7534.024.19	39,20
25	32	73	12	7534.025.32	48,80
27	32	73	12	7534.027.32	62,40
28,6	32	73	12	7534.286.32	70,10
30	25	66	12	7534.030.25	57,20
30	32	73	12	7534.030.32	62,40
35	25	66	12	7534.035.25	60,30
40	32	73	12	7534.040.32	83,80

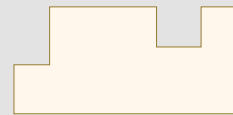
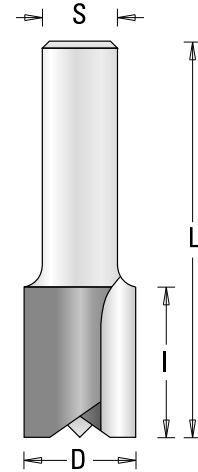
HW-Nutfräser Z2 mit Bohrschneide

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	50,00
12	35	90	12	7535.012.00	51,60
12	45	90	12	7535.012.10	59,60
12	51	108	12	7535.012.15	62,40
13,2	35	85	12	7535.013.00	54,60
14	50	100	12	7535.141.12	72,00
15	35	85	12	7535.015.00	55,80
16	35	90	12	7535.016.00	57,60
16	60	100	12	7535.161.12	74,60
18	35	90	12	7535.018.00	61,30
18	51	92	12	7535.181.12	66,70
20	35	90	12	7535.020.00	66,00
20	45	90	12	7535.201.12	72,60
22	35	90	12	7535.022.00	77,90
24	35	90	12	7535.024.00	79,60
30	35	90	12	7535.300.12	97,30



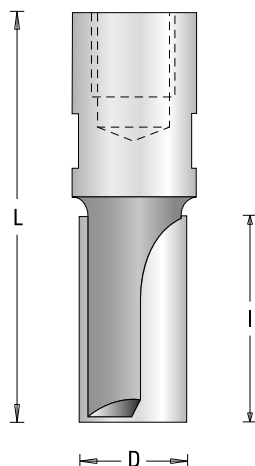
Gmax
EXTENDED LIFE

7540

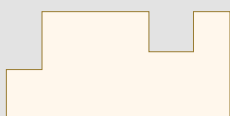
**HW-Nutfräser mit
Bohrschneide Z2**

**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	39,30
6	14	55	10	7540.006.00	40,90
8	20	55	10	7540.008.00	43,00
9	20	55	10	7540.009.00	48,30
10	23	55	10	7540.010.00	46,20
12	23	55	10	7540.012.00	47,80
14	25	55	10	7540.014.00	48,30
15	25	55	10	7540.015.00	53,30
16	25	55	10	7540.016.00	52,70
18	25	55	10	7540.018.00	54,90
20	25	55	10	7540.020.00	57,60
22	25	55	10	7540.022.00	63,40
24	25	55	10	7540.024.00	67,10
25	25	55	10	7540.025.00	68,30
30	25	55	10	7540.030.00	82,80

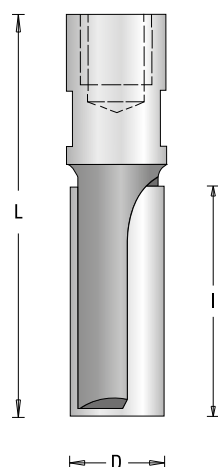


7545

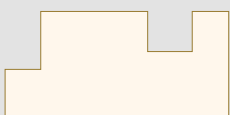
**HW-Nutfräser
mit Bohrschneide Z2**

**HW Straight Bit Z2
with Center Tip**

Innengewinde = M 10 / inside thread = M10



D	I	L	M	Best.-Nr./Part No.	Euro
8	35	67	10	7545.008.00	52,70
10	35	67	10	7545.010.00	53,30
12	35	65	10	7545.012.00	58,00
14	35	65	10	7545.014.00	59,60
16	45	75	10	7545.016.00	65,60
18	45	75	10	7545.018.00	70,30
20	45	75	10	7545.020.00	74,60
22	45	75	10	7545.022.00	80,60



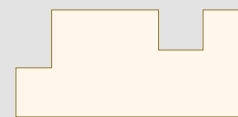
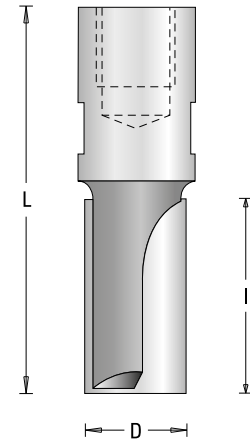
HW-Nutfräser mit Bohrschneide Z2

HW Straight Bit Z2 with Center Tip

7550

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

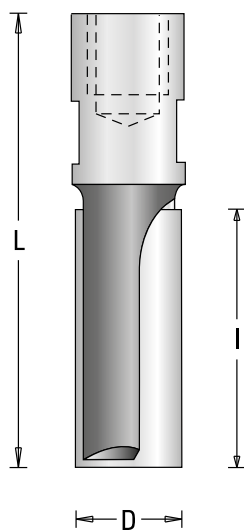
D	I	L	M	Best.-Nr./Part No.	Euro
8	20	60	12x1	7550.008.00	44,00
10	23	60	12x1	7550.010.00	46,20
12	23	60	12x1	7550.012.00	49,50
14	23	60	12x1	7550.014.00	50,40
15	25	60	12x1	7550.015.00	54,90
16	25	60	12x1	7550.016.00	53,80
18	25	60	12x1	7550.018.00	57,00
20	25	60	12x1	7550.020.00	59,20
22	25	60	12x1	7550.022.00	64,00
24	25	60	12x1	7550.024.00	68,80
25	25	60	12x1	7550.025.00	73,50
30	25	60	12x1	7550.030.00	84,80
34	25	60	12x1	7550.034.00	96,10
35	20	60	12x1	7550.035.00	100,00



7555

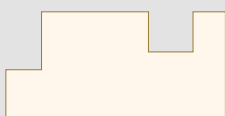
HW-Nutfräser mit
Bohrschneide Z2

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	55,90
10	35	67	12x1	7555.010.35	59,20
12	35	67	12x1	7555.012.35	66,70
12	45	77	12x1	7555.012.45	68,80
14	35	67	12x1	7555.014.35	69,30
14	60	92	12x1	7555.014.60	76,30
15	45	77	12x1	7555.015.45	82,20
16	35	67	12x1	7555.016.35	65,60
16	45	77	12x1	7555.016.45	70,30
16	60	92	12x1	7555.016.60	78,50
18	35	67	12x1	7555.018.35	69,90
18	45	77	12x1	7555.018.45	73,50
18	60	92	12x1	7555.018.60	81,60
20	35	67	12x1	7555.020.35	73,50
20	45	77	12x1	7555.020.45	77,90
20	60	92	12x1	7555.020.60	93,00
22	35	67	12x1	7555.022.35	78,50
22	60	92	12x1	7555.022.60	113,80



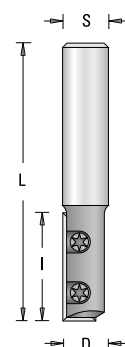
HW-WPL-Oberfräser Z1 mit Bohrschneide

HW Router Cutter Z1 with Center Tip

6217

D	I	L	S	Abb./fig.	Best.-Nr./Part No.	Euro
12*	30	77	12	1	6217.120Z30	100,40
14*	30	77	12	1	6217.140Z30	101,00
15*	30	77	12	1	6217.150Z30	101,40
16	30	88	12	2	6217.160Z30	97,70
18	30	88	12	2	6217.180Z30	100,40
20	30	88	12	2	6217.200Z30	102,80
22	30	88	12	2	6217.220Z30	105,30
16	50	107	12	3	6217.160Z50	115,30
18	50	107	12	3	6217.180Z50	118,60
20	50	107	12	3	6217.200Z50	122,80

Abb./fig. 1



Ersatzmesser	Replacement knives	Best.-Nr./Part No.	Euro
HW-Wendeplatte 30x9x1,5*	HW turn blade 30x9x1,5*	6233.030.00	8,30
HW-Wendeplatte 30x12x1,5	HW turn blade 30x12x1,5	6419.030.00	7,10
HW-Wendeplatte 50x12x1,5	HW turn blade 50x12x1,5	6419.050Z00	10,80

Abb./fig. 2

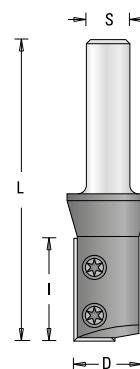
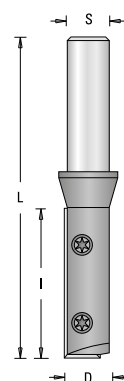
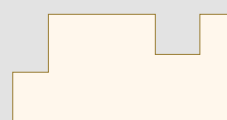


Abb./fig. 3



Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Torx-Spannschraube M 3,5x4,8	torx-lock-screw M 3,5x4,8	6233.000.10	2,00
Torx-Schlüssel (T15)	torx-key (T15)	7050.400.00	5,90



7950

HW-WPL-Oberfräser

HW Turnblade Router Cutter



D	I	L	Z	S	Ersatzteilnr. /Sparepartnr.	Best.-Nr./Part No.	Euro
10	20	70	1	8	1, 6, 19, 20	7950.100Z80	104,80
12	30	80	1+1	8	2, 4, 7, 14, 17	7950.120Z80	106,80
12	30	80	1+1	12	2, 4, 7, 14, 17	7950.120Z12	106,80
14	30	80	1+1	8	2, 4, 7, 15, 17	7950.140Z80	113,10
14	30	80	1+1	12	2, 4, 7, 15, 17	7950.140Z12	113,10
16	30	81	1+1	12	2, 5, 11, 15, 13, 18	7950.160Z12	116,90
16	50	101	1+1	12	3, 5, 12, 15, (2x)13, 18	7950.161Z12	123,30
18	30	80	1+1	12	2, 4, 9, 15, 18	7950.180Z12	116,90
20	30	81	1+1	12	2, 5, 10, 15, 18	7950.200Z12	122,10
22	30	81	1+1	12	2, 5, 10, 15, 16, 18	7950.220Z12	124,60
24	30	81	1+1	12	2, 5, 10, 15, 16, 18	7950.240Z12	129,60

Ersatzteile	Spare Parts		Nr.	Best.-Nr./Part No.	Euro
HW-Wendeplatte	HW Turnblade	20 x 5,5 x 1,1	1	4200.120.11	5,40
HW-Wendeplatte	HW Turnblade	30 x 5,5 x 1,1	2	4200.130.11	5,80
HW-Wendeplatte	HW Turnblade	50 x 5,5 x 1,1	3	4200.150.11	6,10
Einbohrschneide	Plunging knife	7,5 x 12 x 1,5	4	4200.008.00	1,80
Einbohrschneide	Plunging knife	12 x 12 x 1,5	5	4200.012.00	1,90
Spannkeil	Clamping jaw	17 mm	6	7950.000.17	***
Spannkeil	Clamping jaw	27 mm	7	7950.000.27	***
Spannkeil	Clamping jaw	27 mm	8	7950.001.27	***
Spannkeil	Clamping jaw	27 mm	9	7950.002.27	***
Spannkeil	Clamping jaw	28,8 mm	10	7950.000.28	***
Spannkeil	Clamping jaw	29,6 mm	11	7950.000.29	***
Spannkeil	Clamping jaw	49,6 mm	12	7950.000.49	***
Torx-Spannschraube	Torx lock screw	M 3,5 x 4,8	13	6233.000.10	2,00
Torx-Spannschraube	Torx lock screw	M 3 x 4	14	6243.000Z10	2,60
Torx-Spannschraube	Torx lock screw	M 3,5 x 6	15	7950.035.06	3,50
Torx-Spannschraube	Torx lock screw	M 3,5 x 8	16	7950.035.08	3,50
Torx-Schlüssel	Torx key	T 9	17	3020.000.10	7,00
Torx-Schlüssel	Torx key	T 15	18	7050.400.00	5,90
Torx-Schraube	Torx screw	M 2 x 4 (19)	19	7950.002.04	3,50
Torx-Schlüssel	Torx key	T6 (20)	20	7950.000.01	5,70

*** Preis auf Anfrage

*** Price upon request

HW-WPL-Oberfräser Z2

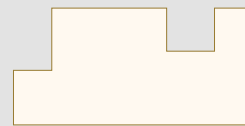
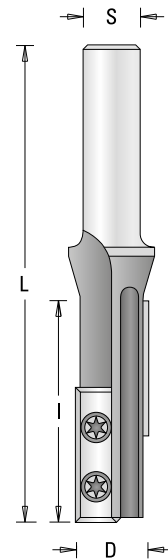
HW Router Cutter Z2

7960

D	I	L	S	Best.-Nr./Part No.	Euro
16*	50	107	12	7960.161Z12	143,90
18	50	107	12	7960.181Z12	147,80
20	50	107	12	7960.201Z12	153,20

Ersatzmesser	Replacement knives	Best.-Nr./Part No.	Euro
HW-Wendeplatte 30x9x1,5*	HW turn blade 30x9x1,5	6233.030.00	8,30
HW-Wendeplatte 30x12x1,5	HW turn blade 30x12x1,5	6419.030.00	7,10

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Torx-Spannschraube M 3,5x4,8	torx-lock-screw M 3,5x4,8	6233.000.10	2,00
Torx-Spannschraube M 4x5,6	torx-lock-screw M 4x5,6	7050.400.12	1,50
Torx-Schlüssel (T15)	torx-key (T15)	7050.400.00	5,90



HW-WPL-Falz- und Planfräser Z2

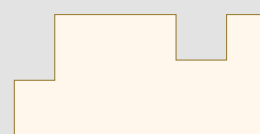
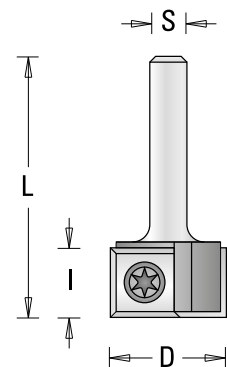
HW Rebating and Planing Cutter Z2

7526

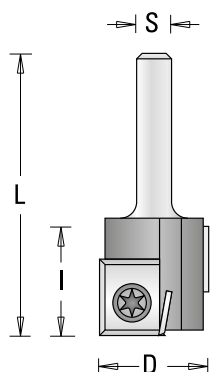
D	I	L	S	Best.-Nr./Part No.	Euro
18	12	44	8	7526.180.80	85,10
20	12	44	8	7526.200.80	87,90

Ersatzmesser	Replacement knives	Best.-Nr./Part No.	Euro
HW-Wendeplatte 12x12x1,5	HW-turn blade 12x12x1,5	4200.012.00	1,90

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Torx-Spannschraube M 4x5,6	torx-lock-screw M 4x5,6	7050.400.12	1,50
Torx-Schlüssel (T15)	torx-key (T15)	7050.400.00	5,90



7909

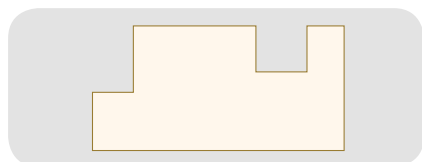


HW-WPL-Nut-Falz-Stulpfräser Z2 mit Bohrschneide

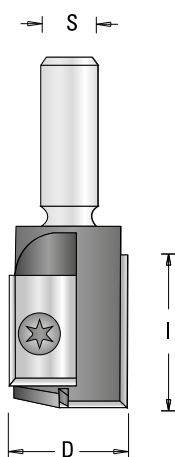
D	I	L	S	Best.-Nr./Part No.	Euro
18	20	52	8	7909.180.80	101,10
20	20	52	8	7909.200.80	106,80
22	20	52	8	7909.220.80	110,20
22	20	60	12	7909.220.12	110,20

Ersatzmesser	Replacement knives	Best.-Nr./Part No.	Euro
HW-Wendeplatte 12x12x1,5	HW-turn blade 12x12x1,5	4200.012.00	1,90

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Torx-Spannschraube M 4x5,6	torx-lock-screw 4x5,6	7050.400.12	1,50
Torx-Schlüssel (T15)	torx-key (T15)	7050.400.00	5,90



7910

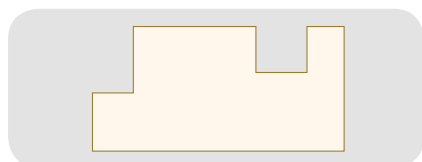


HW-WPL-Nut- u. Falzfräser mit HW bestückter Bohrschneide

D	I	S	Best.-Nr./Part No.	Euro
18	30	8	7910.180.80	103,10
20	30	8	7910.200.80	106,80
22	30	8	7910.220.80	110,10

Ersatzmesser	Replacement knives	Best.-Nr./Part No.	Euro
HW-Wendeplatte 20x12x1,5	HW turn blade 20x12x1,5	4200.020.00	2,30
HW-Wendeplatte 30x12x1,5	HW turn blade 30x12x1,5	6419.030.00	7,10

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Torx-Spannschraube Großkopf M4x5,9 (T15)	torx-lock-screw M4x5,9	7050.400.10	1,50
Torx-Schraubendreher T15	torx-screw-driver T15	7050.400.00	5,90



HW-Bündigfräser Z2 mit Anlauflager

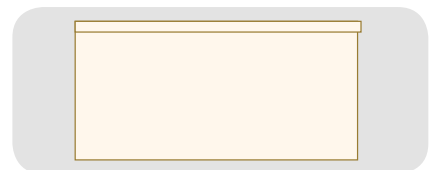
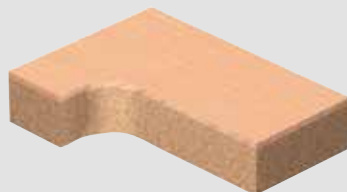
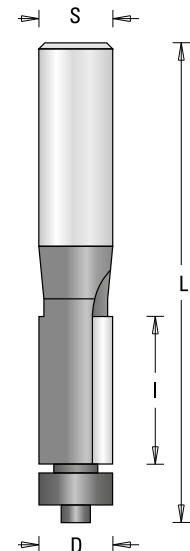
HW Trimming Cutter Z2 with Ball Bearing

7810

D	I	Z	L	S	Best.-Nr./Part No.	Euro
12,7	25	2	66	6	7810.128.60	49,10
12,7	12,7	2	55	8	7810.127.80	45,20
12,7	25	2	66	8	7810.128.80	49,10
22	16	2	63	8	7810.220.80	51,10
12,7	38	2	98	12	7810.129.12	44,50
12,7	51	2	107	12	7810.130.12	63,30

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	9,40
Inbusschraube Nr. 2	allen screw no. 2	7980.000.02	1,50
Sicherungsring Nr. 1	safety ring no 1.	7980.001.00	1,50

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	11,50
Inbusschraube Nr. 1	allen screw no. 1	7980.000.01	1,50
Sicherungsring Nr. 1	safety ring no 1.	7980.001.00	1,50



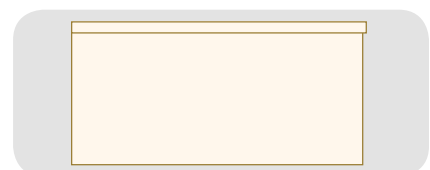
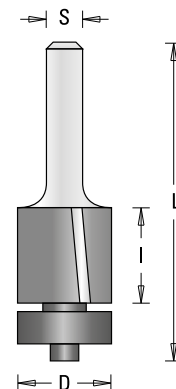
HW-Bündigfräser Z2 ziehend, mit Anlauflager

HW Trimming Cutter Z2 – Shear Angle with Ball Bearing

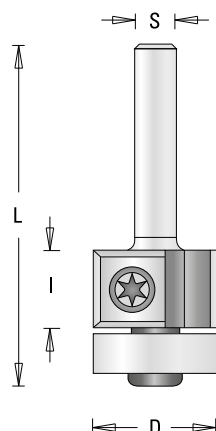
7812

D	I	L	S	Best.-Nr./Part No.	Euro
16	16	60	8	7812.160.80	36,20
19	16	64	8	7812.191.80	37,10
19	25,4	75	8	7812.192.80	41,50
19	38,1	98,4	12	7812.191.12	68,00
19	50,8	108	12	7812.192.12	78,80

Ersatzteile	Spare parts	Best.-Nr./Part No.	Euro
Kugellager 16 x 5	ball bearing 16 x 5	7050.100.14	9,40
Kugellager 19 x 6,35	ball bearing 19 x 6,35	7050.100.19	9,40



7920



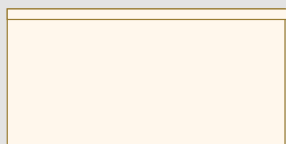
HW-WPL-Bündigfräser Z2 mit Anlauflager

D	l	S	Best.-Nr./Part No.	Euro
22	12	6	7920.220.60	90,90
22	20	6	7920.221.60	111,20
19	30	8	7920.190.80	95,20
22	12	8	7920.220.80	81,10
22	20	8	7920.221.80	83,30
19	30	12	7920.190Z12	110,70
19	50	12	7920.191.12	140,60

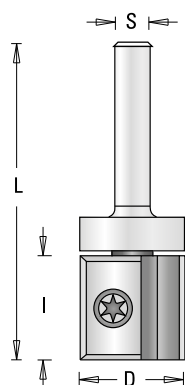
HW Trimming Cutter with Ball Bearing

Ersatzwendeplatten	Replacement knives	B	H	St	Best.-Nr./Part No.	Euro
HW-Räumerplatte	HW rakerblade	12	12	1,5	4200.012.00	1,90
HW-Wendeplatte	HW turnblade	20	12	1,5	4200.020.00	2,30
HW-Wendeplatte	HW turnblade	30	12	1,5	4200.030.00	3,10
HW-Wendeplatte 4-seitig	HW turnblade 4 sided	50	12	1,7	6419.050.00	8,20

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager ø 22,0 d7	ball bearing ø 22,0 d7	7050.100.22	11,50
Kugellager ø 19,0 d6	ball bearing ø 19,0 d6	7050.101.19	9,30
Torx-Spannschraube M4x5,9 für Lager und Messer	torx-lock-screw M4x5,9 for bearing an knife	7050.400.10	1,50
Torx-Schlüssel (T15)	torx-key (T15)	7050.400.00	5,90



7925



HW-WPL-Bündigfräser Z2 mit Anlauflager, schaftseitig

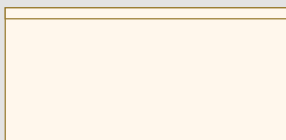
D	l	S	Best.-Nr./Part No.	Euro
22*	20	8	7925.220.80	96,10

HW Trimming Cutter with Ball Bearing

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	5,20

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager ø 22,0 d8	ball bearing ø 22,0 d8	7050.180.22	11,50
Torx-Spannschraube Großkopf M4x5,9 (T15)	torx-lock-screw M4x5,9	7050.400.10	1,50
Torx-Schraubendreher T15	torx-screwdriver T15	7050.400.00	5,90

*nicht bohrfähig / not boring

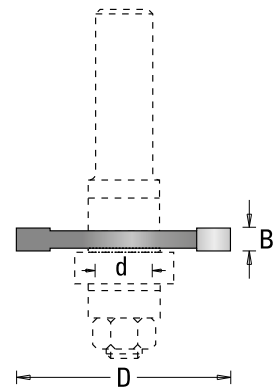


HW-Nutsäge Z2

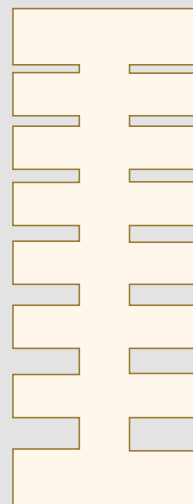
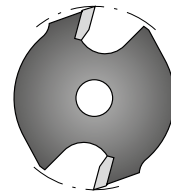
HW Grooving saw Z2

7580

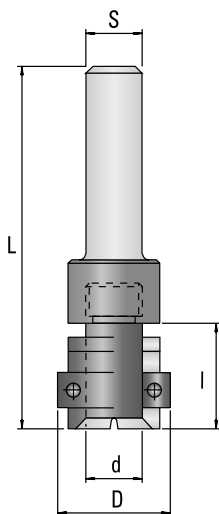
D	B	d	Best.-Nr./Part No.	Euro
40	1,5	8	7580.015.80	21,60
40	2,0	8	7580.020.80	21,60
40	2,5	8	7580.025.80	22,00
40	3,0	8	7580.030.80	22,60
40	3,5	8	7580.035.80	23,30
40	4,0	8	7580.040.80	23,30
40	5,0	8	7580.050.80	24,80
40	6,0	8	7580.060.80	27,60
50	2,5	8	7580.250.80	31,20



Zur Verwendung mit 7582/7583/7585
For use with 7582/7583/7585



7583



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).
- Artikel werden unmontiert geliefert

Erklärung zu Abbildung A – E:

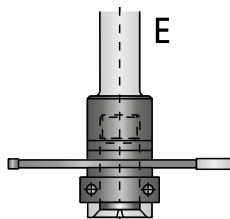
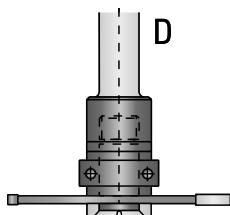
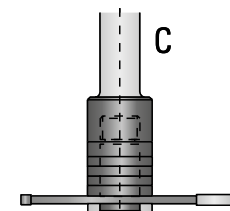
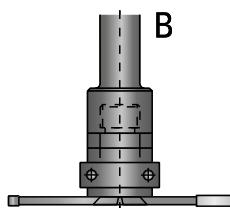
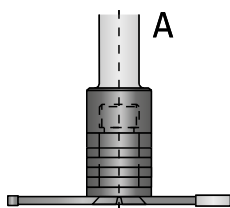
A = Schraubenkopf versenkt, bei Verwendung mit Nutsägen 7583
 B = dito mit Anlauflager oben
 C = bei Verwendung ohne Anlauflager mit Nutsägen 7580
 D = dito mit Anlauflager oben
 E = dito mit Anlauflager unten

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).
- the articles will be despatched unmounted

Explanation of figure A – E:

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



Aufnahmedorn mit Anlauflager / Arbor with ball bearing

D	d	I	L	S	Für/For	Best.-Nr./Part No.	Euro
16	8	15	55	8	B D E	7583.080Z80	49,60
22	8	15	55	8	B D E	7583.081Z80	44,60

Kugellager / Ball bearing

D	d	Best.-Nr./Part No.	Euro
16	8	7050.180.16	9,40
22	8	7050.180.22	11,50

Aufnahmedorn ohne Anlauflager / Arbor without ball bearing

D	d	L	S	Für/For	Best.-Nr./Part No.	Euro
15	8	55	8	A C	7583.082Z80	41,90

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	41,60
40	2,5	8	7583.025.80	43,70
40	3,0	8	7583.030.80	44,60
40	3,5	8	7583.035.80	45,90
40	4,0	8	7583.040.80	44,40
40	5,0	8	7583.050.80	45,70

Fräsdorn

Arbor

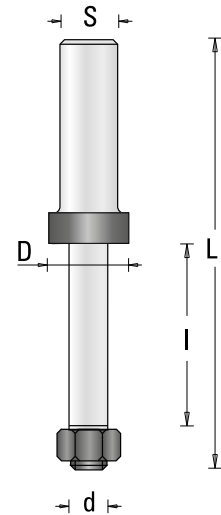
7585

D	I	L	d	S	Best.-Nr./Part No.	Euro
16	4	53	8	6	7585.080.60	13,50
16	4	53	8	8	7585.080.80	11,90

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Spannmutter M 8	lock nut M8	7050.300.08	1,90

Alle Fräsdorne sind mit Ringen zum Spannen der Nutsägen.

Tension rings are included

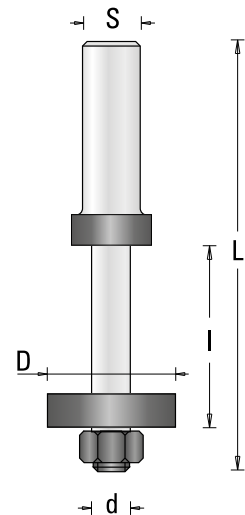


Aufnahmedorn mit Anlauf-Kugellager + Zwischenringe

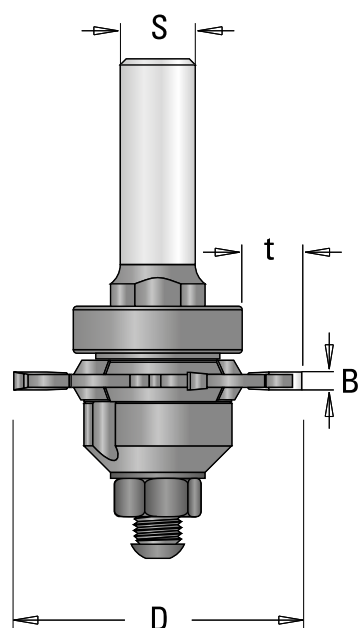
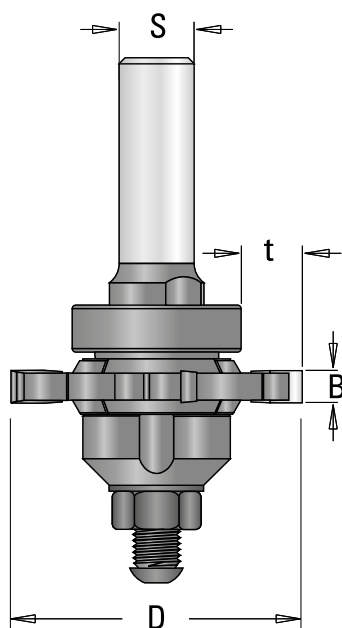
Arbor with Ball Bearing Guide + Spacers

7582

D	I	L	d	S	Best.-Nr./Part No.	Euro
16	13,4	63,5	8	8	7582.080Z80	27,50



7584



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

D	L	B	t	S	Best.-Nr./Part No.	Euro
50	79	3,0 – 5,5	10,7	8	7584.305.80	158,10
50	83	5,5 – 10,0	10,7	8	7584.551.80	168,80
50	85	3,0 – 5,5	10,7	12	7584.305.12	158,10
50	89	5,5 – 10,0	10,7	12	7584.551.12	168,80

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager 28,6 x 12,7	ball bearing 28,6 x 12,7	7050.100.28	5,20



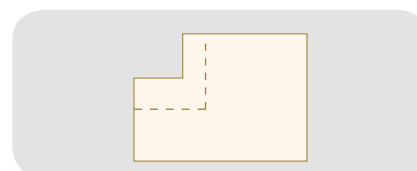
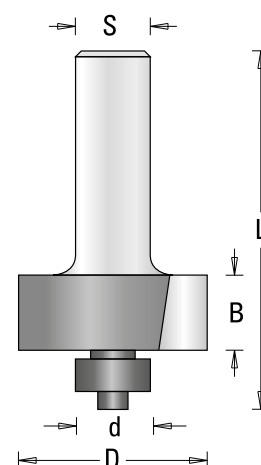
HW-Falzfräser Z2 mit Anlauflager d = 12,7

HW Rebate Cutter with Ball Bearing d = 12,7

7710

D	B	d	S	Best.-Nr./Part No.	Euro
31,8	12,7	12,7	8	7710.318Z80	58,20
35	12,7	12,7	8	7710.350Z80	57,80

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	9,40
Inbusschraube Nr. 2	allen screw no. 2	7980.000.02	1,50



HW-WPL-Falz- und Planfräser Z2

HW Rebating and Recessing Cutter Z2

7525

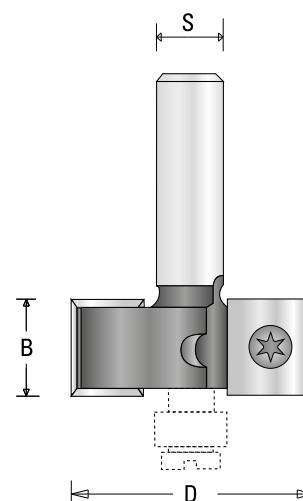
- Mit Abdeckschraube, ohne Kugellager-anlaufring
- In Verbindung mit dem Anlaufsatz 7020.090.00 ist eine Falztiefe von 10 mm erreichbar

- 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

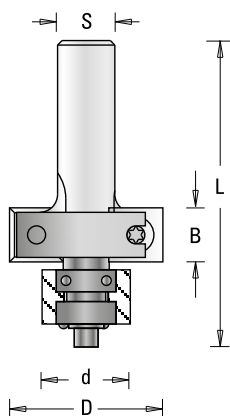
D	B	S	Best.-Nr./Part No.	Euro
30	12	8	7525.300.80	80,20

Ersatzwendeplatten	Replacement knives	Best.-Nr./Part No.	Euro
HW-Räumerplatte 12x12x1,5	HW racer knife 12x12x1,5	4200.012.00	1,90

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Torx-Spannschraube M4x5,9 (T15)	torx-lock-screw M4x5,9 (T15)	7050.400.10	1,50
Torx-Schraubendreher T15	torx-screwdriver T15	7050.400.00	5,90



7527



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	173,20

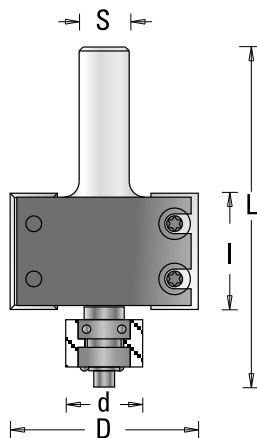
Ersatzmesser	Replacement knives	Best.-Nr./Part No.	Euro
HW-Wendeplatte 12x12x1,5	HW turnblade 12x12x1,5	4200.012.00	1,90

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager 12,7x6,35x4,9	ball bearing 12,7x6,35x4,9	7050.101.12	9,40
Unterlegscheibe 7,5x3,25x1	washer 7,5x3,25x1	7527.001.00	0,95
Distanzring 9,5x6,5x2,2	distance ring 9,5x6,5x2,2	7527.010.00	1,05
Schraube für Lagerbefestigung M3	screw M3	7527.000.15	1,05
Torx-Spannschraube M 4x5,6	torx-lock-screw M 4x5,6	7050.400.12	1,50
Torx-Schlüssel (T15)	torx-key (T15)	7050.400.00	5,90

Anlaufringe von 7528 einsetzbar

Ball bearings from 7528 can be used

7528



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	223,00

Ersatzmesser	Replacement knives	Best.-Nr./Part No.	Euro
HW-Wendeplatte 29,5x12x1,5	HW turnblade 29,5x12x1,5	6419.030.00	7,10

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager 12,7x6,35	ball bearing 12,7x6,35	7050.101.12	9,40
Unterlegscheibe 7,5x3,25x1	washer 7,5x3,25x1	7527.001.00	0,95
Distanzring 9,5x6,5x2,2	distance ring 9,5x6,5x2,2	7527.010.00	1,05
Schraube für Lagerbefestigung M3	screw M3	7527.000.15	1,05
Torx-Spannschraube M 4x5,6	torx-lock-screw M 4x5,6	7050.400.12	1,50
Torx-Schlüssel (T15)	torx-key (T15)	7050.400.00	5,90

Anlaufringe / Selection of Rings

Ring Ø	für / for t =	Best.-Nr./Part No.	Euro
14,3	18,2	7528.143.18	7,00
15,9	17,4	7528.159.17	7,00
19	15,9	7528.190.16	7,00
20,6	15,1	7528.206.15	7,00
22,2	14,3	7528.222.14	7,00
25,4	12,7	7528.254.13	7,00
27	11,9	7528.270.12	7,80
28,6	11,1	7528.286.11	7,80
31,7	9,5	7528.317.95	7,80
32,5	9,1	7528.325.91	7,80
34,9	7,9	7528.349.79	7,80
38,1	6,3	7528.381.63	8,30
38,9	5,9	7528.389.59	8,30
41,3	4,7	7528.413.47	8,30
44,4	3,2	7528.444.32	8,30
47,6	1,6	7528.476.16	8,30


14,3	22,2
15,9	25,4
19,0	27,0
20,6	28,6

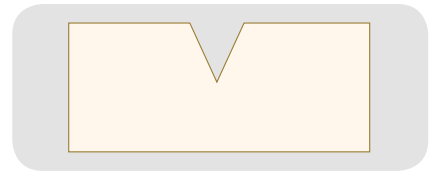
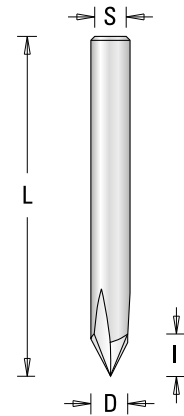
31,7	38,9
32,5	41,3
34,9	44,4
38,1	47,6

VHM-Gravierfräser Z2

Solid Carbide Grooving and Engraving Cutter Z2

7601


D	I	L		S	Best.-Nr./Part No.	Euro
8	7	70	60°	8	7601.080.80	73,00

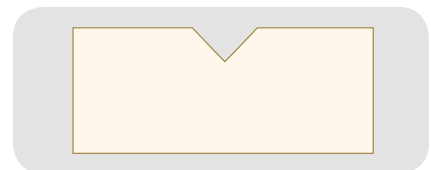
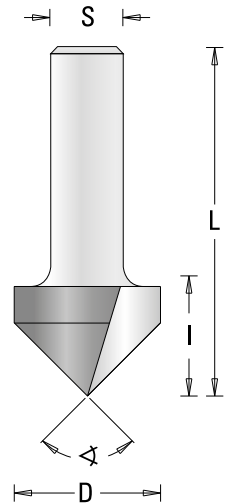


HW-V-Nutfräser Z2

V Groove Bit Z2

7605

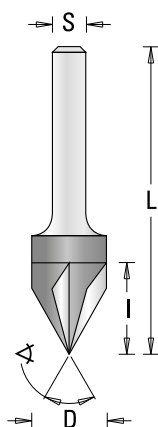
D	I	L		S	Best.-Nr./Part No.	Euro
16	12,7	41,3	90°	6	7605.160Z60	49,40
9,5	11	45	90°	8	7605.095Z80	30,80
12,7	16	47,5	60°	8	7605.127Z80	31,30
12,7	12,7	44	90°	8	7605.129Z80	31,30
16	12,7	45	90°	8	7605.160Z80	49,40
19,1	16	48	90°	8	7605.191Z80	53,70
25,4	19,1	51	90°	8	7605.254Z80	59,10
9,5	11	52	90°	12	7605.095Z12	30,80
16	12,7	56	90°	12	7605.160Z12	49,40
19,1	16	54	90°	12	7605.191Z12	53,70
25,4	19,1	57	90°	12	7605.254Z12	59,10
31,8	25,4	63,5	90°	12	7605.318Z12	73,80
38,1	31,8	70	90°	12	7605.381Z12	82,10
51	44,5	83	90°	12	7605.510Z12	182,00



7600

HS / HW V-Nutfräser

HS / HW V Groove Bit



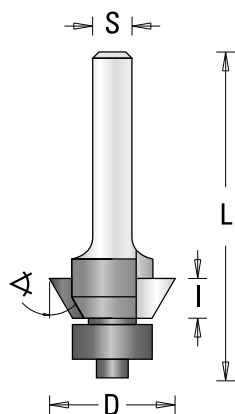
	D	Z	S		Best.-Nr./Part No.	Euro
HW	14	3	8	60°	7600.140Z80	76,70



7713

HW-Fasefräser Z2
mit Anlauflager

Bevel Trimmer Z2
with Ball Bearing



D	I	L	d		S	Best.-Nr./Part No.	Euro
15,9	6,3	53	12,7	15°	8	7713.159.80	26,90

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	9,40



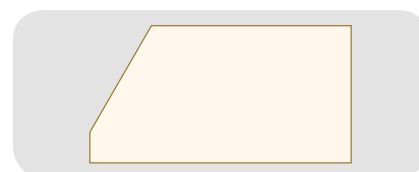
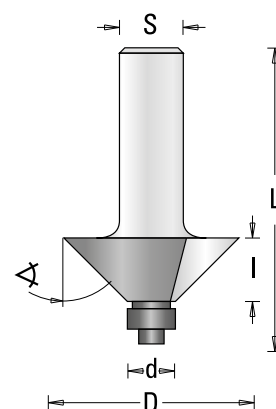
HW-Fasefräser Z2 mit Anlauflager

HW Bevel Cutter Z2 with Ball Bearing

7714

D	I	L	∠	d	S	Best.-Nr./Part No.	Euro
31,8*	12,7	54,5	45°	9,5	8	7714.318.80	45,40
31,8*	12,7	60	45°	9,5	12	7714.318.12	45,40
34,9	20,6	71	30°	12,7	12	7714.349.12	47,80
50,8	19,1	69	45°	12,7	12	7714.508.12	145,40
60,5	25,4	74	45°	12,7	12	7714.605.12	150,30
76,2	25,4	80	45°	25,4	12	7714.762.12	160,40

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	9,40
Kugellager Ø 25,4 x 6,3	ball bearing Ø 25,4 x 6,3	7050.200.25	12,50
*Kugellager Ø 9,5 x 3	ball bearing Ø 9,5 x 3	7050.101.95	8,10



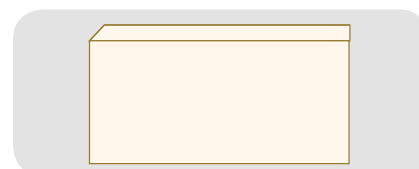
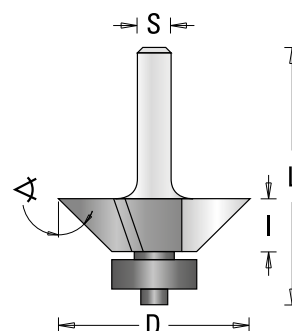
HW-Fasefräser Z3 mit Kugellager

Bevel Trimming Bit Z3 with Ball Bearing

7715

D	I	L	∠	Z	S	Best.-Nr./Part No.	Euro
19	10	53	15°	3	8	7715.190.80	53,70
22,2	10	53	25°	3	8	7715.222.80	53,70
30	10	53	45°	3	8	7715.300.80	67,90

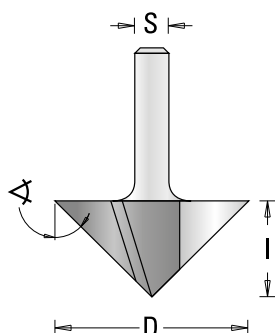
Ersatzteile	Spare parts	Best.-Nr./Part No.	Euro
Kugellager Ø 16 x 5	ball bearing Ø 16 x 5	7050.100.14	9,40



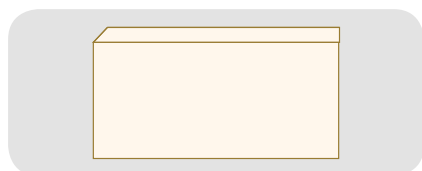
7715

HW-Fasefräser Z2

HW Bevel Cutter Z2



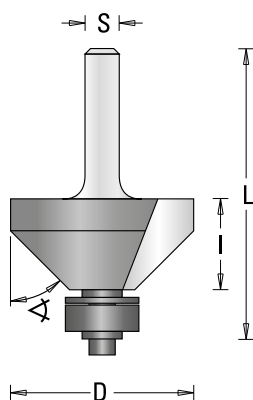
D	L	∠	S	Z	Best.-Nr./Part No.	Euro
24	12	15°	6	2	7715.015.60	33,60
24	12	30°	6	2	7715.030.60	34,10
24	12	45°	6	2	7715.045.60	41,20
24	12	15°	8	2	7715.015.80	33,60
24	12	30°	8	2	7715.030.80	34,10
24	12	45°	8	2	7715.045.80	41,20



7725

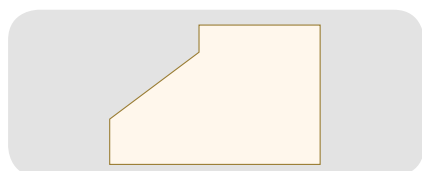
HW-Fasefräser Z2
mit Anlauflager

HW Bevel Cutter Z2
with Ball Bearing



D	Pos	L	∠	Lager/Bearing d	S	Best.-Nr./Part No.	Euro
24	1	9,5	15°	19	8	7725.240Z80	35,70
35	2	18	45°	12,7	8	7725.350Z80	79,60


Ersatzteile	Für/For	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager 12,7 x 4,76	2+3	ball bearing 12,7 x 4,76	7050.100.12	9,40
Kugellager 19 x 6,35	1	ball bearing 19 x 6,35	7050.100.19	9,40



HW-WPL-Fasefräser Z2 mit Anlaufleger

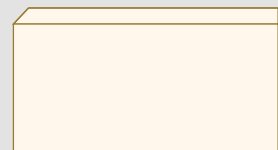
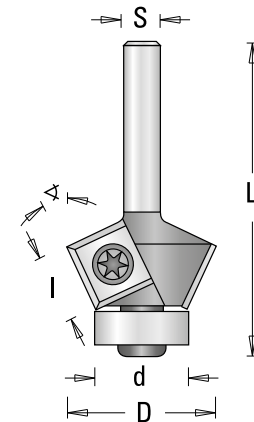
HW Turnblade Bevel Cutter Bit Z2 with Ball Bearing

7930

D		d	S	Best.-Nr./Part No.	Euro
32	45°	15,9	6	7930.045.60	97,80
20	15°	15,9	8	7930.015Z80	103,50
24	25°	15,9	8	7930.025Z80	103,50
32	45°	15,9	8	7930.045.80	93,00

Ersatzwendeplatten	B	H	St	Best.-Nr./Part No.	Euro
HW-Räumerplatte / HW rakerblade	12	12	1,5	4200.012.00	1,90

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager ø 15,9 d 6,35 x 4,7	ball bearing ø 15,9 d 6,35 x 4,7	7050.100.15	9,40
Torx-Spannschraube Großkopf M4x5 (T15)	torx-lock-screw	7050.400.12	1,50
Torx-Schraubendreher T15	torx-screwdriver T15	7050.400.00	5,90



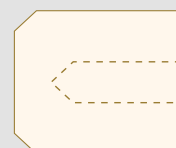
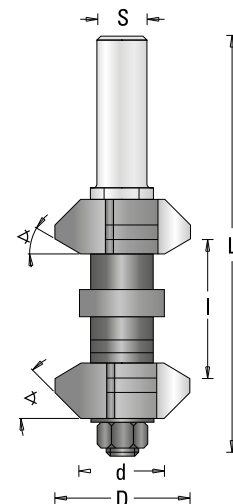
HW Fasefräsersatz, einstellbar

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	184,30

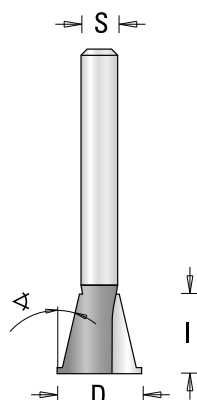
Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Fräser oben 34,8 x 8, Z3, 45°/30°	top cutter 34,8 x 8, Z3, 45°/30°	7718.035.00	68,80
Fräser unten 34,8 x 8, Z3, 45°/30°	bottom cutter 34,8 x 8, Z3, 45°/30°	7718.035.01	68,80
Kugellager 22 x 8 x 7	ball bearing 22 x 8 x 7	7050.180.22	11,50



7630

HW-Zinkenfräser Z2

HW Dovetail Cutter Z2



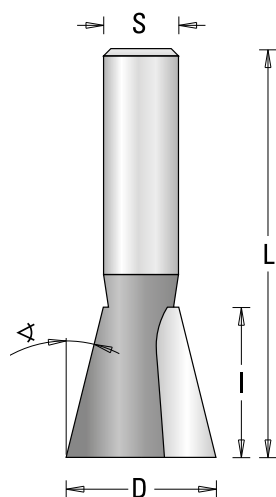
D	I	\angle	S	Best.-Nr./Part No.	Euro
14,3	13,5	15°	8	7630.143.80	35,50



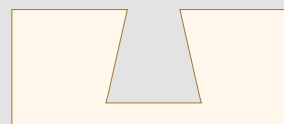
7631

HW-Zinkenfräser Z2

HW Dovetail Cutter Z2



D	I	L	\angle	S	Best.-Nr./Part No.	Euro
9,5	9,5	47	9°	8	7631.095.80	31,30
12,7	12,7	49	14°	8	7631.127.80	31,30
14,7	14,3	61	12°	8	7631.147.80	34,80
12,7	12,7	60	14°	12	7631.127.12	31,30
19,1	19,1	65	14°	12	7631.191.12	52,80
22,2	22,2	67	14°	12	7631.222.12	54,60
25,4	25,4	69	14°	12	7631.254.12	58,40



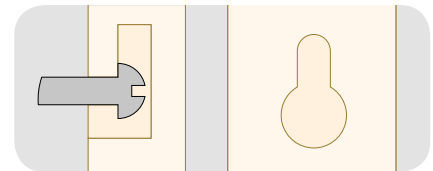
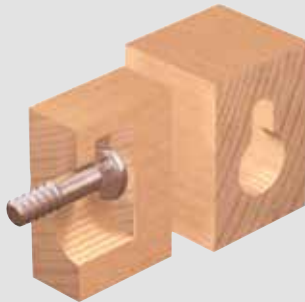
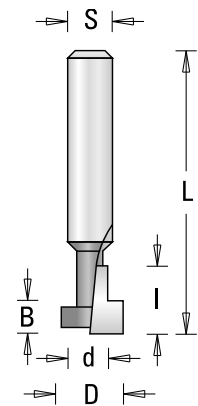
HW-T-Nutfräser Z1 + Z2

Keyhole Slot Cutter Z1 + Z2

7650

D	d	l	Z	B	S	L	Best.-Nr./Part No.	Euro
9,7	5	9,5	1	4,5	8	47	7650.097.80	24,50
12,7	8	9,5	1	4,9	8	38	7650.127.80	27,50
28*	9,5	20,7	2	8	12	66	7650.280.12	67,80
35*	12,7	22,2	2	9,5	12	65	7650.350.12	89,40

*= nicht einbohrfähig / not suitable for plunging

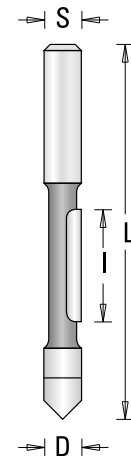


HW-Kopierfräser mit Bohrschneide

HW Copy Cutter with plunge bit

7880

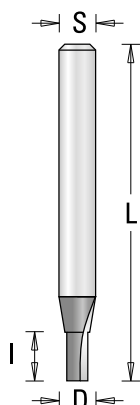
D	l	Z	S	Best.-Nr./Part No.	Euro
6,35	19	1	6	7880.163.60	34,20
6,35	19	1	8	7880.163.80	28,40
8	19	1	8	7880.180.80	36,00
12,7	30	1	12	7880.127.12	49,70
12,7	30	2	12	7880.301.12	47,00



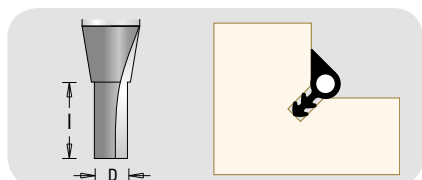
7895

HW-Dichtungs-Nutfräser Z2
einseitig

HW Seal Groover Z2
one-sided



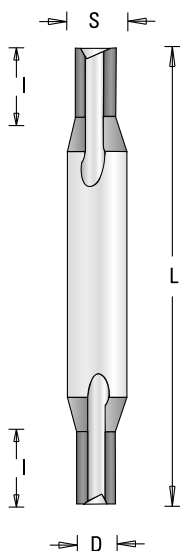
D	I	L	S	Best.-Nr./Part No.	Euro
3	11	60	6	7895.030.60	21,00
3	8	55	6	7895.031.60	22,70
3	11	60	6,35	7895.030.63	23,70
3	8	48	8	7895.031.80	22,70



7896

HW-Dichtungs-Nutfräser Z2
beidseitig

HW Seal Groover Z2
double-sided



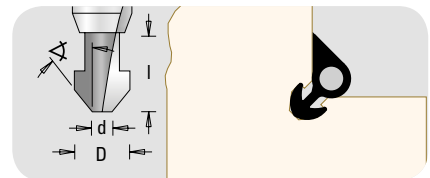
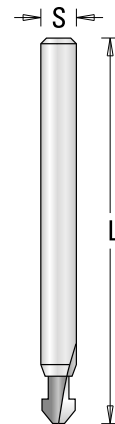
D	I	L	S	Best.-Nr./Part No.	Euro
3	8	70	6	7896.030.60	38,30
3	8	70	6,35	7896.030.63	44,70

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	44,70
5,5	8	65	6	7897.056.60	65,90
5,5	10	63	6,35	7897.055.63	45,70



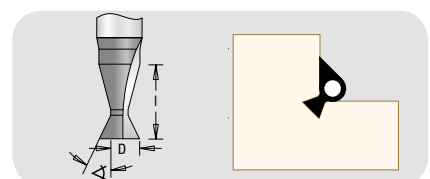
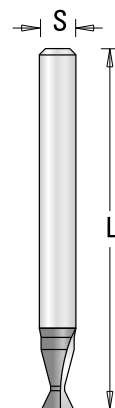
HW-Dichtungs-Profilfräser Z2 Schwalbenschwanzprofil 25°/18°

HW Seal Profile Cutter Z2 Dove Tail Profile 25°/18°

7894 / 7898

D	I	L	∠	S	Best.-Nr./Part No.	Euro
5,1	8	60	25°	6	7894.051.60	56,10

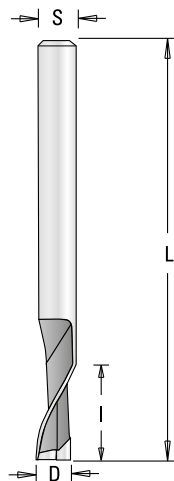
D	I	L	∠	d	S	Best.-Nr./Part No.	Euro
4,3	5	60	18°	2,9	6	7898.043.60	47,20



7385

HS Bohrnutfräser Z1 Einzahnfräser

- Zum Fräsen von Aluminium und Kunststoff auf Kopierfräsmaschinen



HS Grooving Bit Z1 One tooth cutter

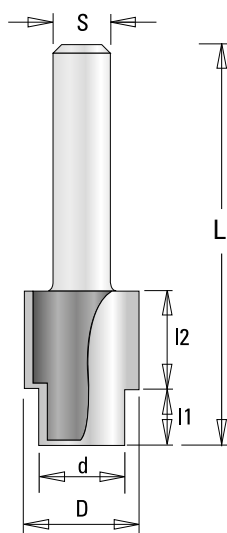
- For cutting aluminium and plastic on copy milling machines

D	I	L	S	Best.-Nr./Part No.	Euro
3	12	60	8	7385.030.80	14,20
4	12	60	8	7385.040.80	14,20
5	12	60	8	7385.050.80	13,10
6	14	60	8	7385.060.80	14,20
8	14	80	8	7385.080.80	13,60
10	14	80	8	7385.100.80	18,70
5	14	120	8	7385.051.80	19,30
8	14	120	8	7385.081.80	18,70
10	14	120	10	7385.110.10	28,70

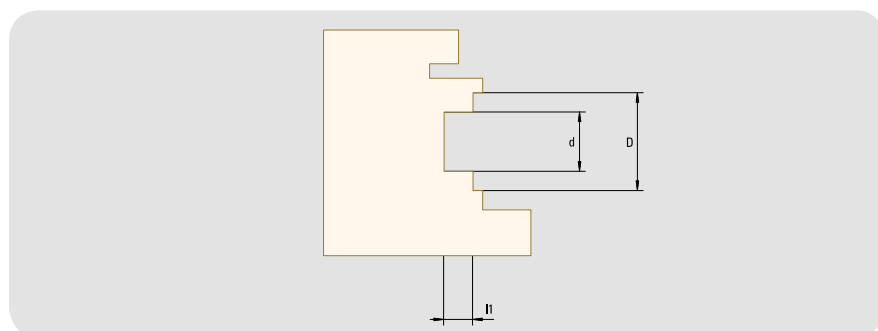
7752

HW-Stufenfräser Z2 für Kantengetriebe

HW Step Cutter Z2



D	d	l1	l2	S	L	Best.-Nr./Part No.	Euro
16,3	12,3	9,5	10	8	55	7752.163.80	67,20
20,3	12,5	9,5	10	8	55	7752.203.80	73,30
20,3	12,3	6	10	8	55	7752.204.80	73,30

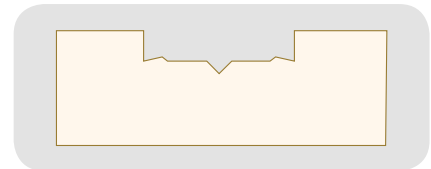
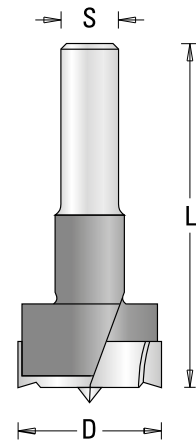


HW-Beschlagbohrer Z2

HW Hinge Boring Bit Z2

7560

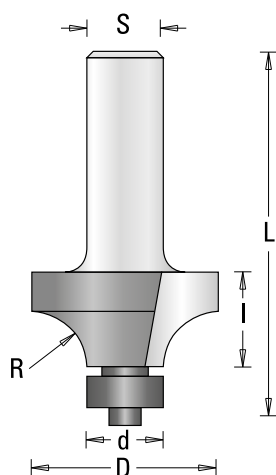
D	L	S	Best.-Nr./Part No.	Euro
25	60	8	7560.250Z80	57,10
25	60	12	7560.250Z12	52,30
30	60	12	7560.300Z12	53,80
35	60	8	7560.350Z80	56,10
35	60	12	7560.350Z12	56,10



7741

HW-Abrundfräser Z 2
Anlauflager d 12,7

HW Rounding Cutter Z2
with Ball Bearing d 12,7

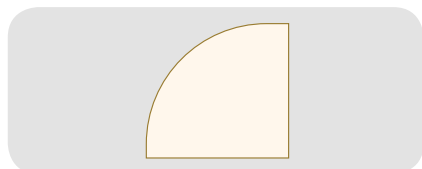


D	d	I	L	R	S	Best.-Nr./Part No.	Euro
16,7	12,7	7,7	47,5	2	6	7741.167.60	55,80
18,7	12,7	9,5	49,5	3	6	7741.187.60	56,10
20,7	12,7	9,5	49,5	4	6	7741.207.60	56,10
22,7	12,7	12	52	5	6	7741.227.60	56,60
25,4	12,7	12,7	50	6,35	6	7741.254.60	58,20
28,7	12,7	13,5	53	8	6	7741.287.60	59,50
31,7	12,7	15,9	55,5	9,5	6	7741.317.60	64,90
38,1	12,7	19,1	55,5	12,7	6	7741.381.60	69,30
16,7	12,7	7,7	51	2	8	7741.167.80	55,80
18,7	12,7	9,5	53	3	8	7741.187.80	55,40
20,7	12,7	9,5	53	4	8	7741.207.80	55,40
22,7	12,7	12	55,5	5	8	7741.227.80	57,60
25,4	12,7	12,7	55	6,35	8	7741.254.80	61,30
28,7	12,7	13,5	56	8	8	7741.287.80	63,40
31,7	12,7	15,9	59	9,5	8	7741.317.80	67,70
38,1	12,7	19,1	61	12,7	8	7741.381.80	71,00
42	12,7	21,2	70	15	8	7741.420.80	88,90
42	12,7	21,2	70	15	12	7741.420.12	88,90
53	12,7	25,4	74	20	12	7741.530.12	98,30
63	12,7	31,2	90,5	25	12	7741.630.12	105,30
72,6	12,7	38,7	98	30	12	7741.726.12	282,50
82,7	12,7	42	91	35	12	7741.827.12	307,30

Kugellager / Ball bearing

D	d	Best.-Nr./Part No.	Euro
12,7	4,76	7050.100.12	9,40

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Sicherungsring Nr. 1	safety ring no. 1	7980.001.00	1,50
Inbusschraube Nr. 2	allen screw no. 2	7980.000.02	1,50



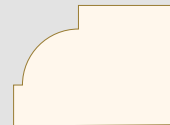
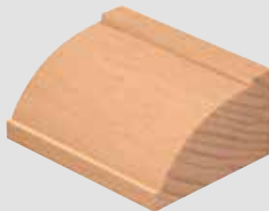
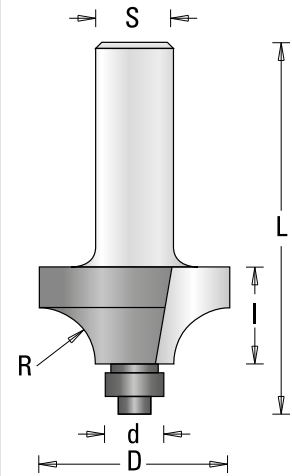
HW-Viertelstabfräser Z2 mit Anlauflager d = 9,5

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

7746

D	d	l	L	R	S	Best.-Nr./Part No.	Euro
18,7	9,5	9,5	53	3	8	7746.187.80	56,10
20,7	9,5	9,5	53	4	8	7746.207.80	56,60
22,7	9,5	12	55,5	5	8	7746.227.80	56,60
25,4	9,5	12,7	55	6,35	8	7746.254.80	62,20
28,7	9,5	13,5	57	8	8	7746.287.80	63,80
31,7	9,5	15,9	59	9,5	8	7746.317.80	69,30
32,7	9,5	16	65	10	8	7746.327.80	64,90
38,1	9,5	19,1	61	12,7	8	7746.381.80	73,10
42	9,5	21,2	70	15	8	7746.420.80	88,90
52,7	9,5	25,4	74	20	12	7746.527.12	122,00

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	8,10



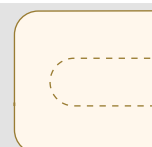
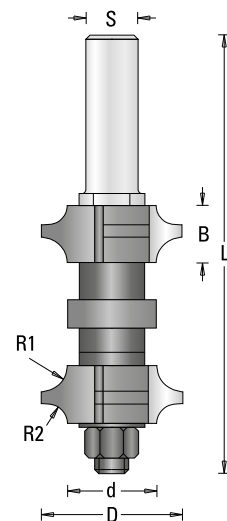
HW Abrundfräsersatz, einstellbar

HW Adjustable Rounding Cutter

7738

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	184,30

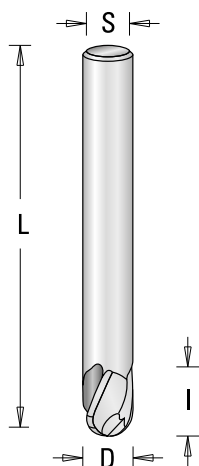
Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Fräser oben 34,8 x 8, Z3, R4,8/6,3	top cutter 34,8 x 8, Z3, R4,8/6,3	7738.348.00	68,80
Fräser unten 34,8 x 8, Z3, R4,8/6,3	bottom cutter 34,8 x 8, Z3, R4,8/6,3	7738.348.01	68,80
Kugellager 22 x 8 x 7	ball bearing 22 x 8 x 7	7050.180.22	11,50



7602

**VHM-Radius-Gravierfräser Z2
(Hohlkehlfräser)**

**Solid Carbide Radius Grooving
Cutter Z2**



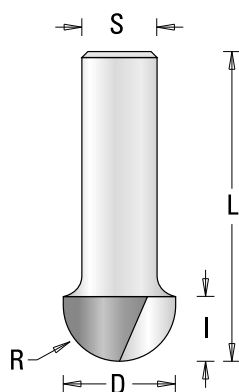
L	I	R	S	Best.-Nr./Part No.	Euro
60	9	3	6	7602.003.60	66,00
70	11	4	8	7602.004.80	73,00
80	13	5	10	7602.005.10	90,30



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	36,70
12,7	9,5	38	6,3	6	7730.127Z60	39,50
15,9	11	40	7,9	6	7730.160Z60	41,50
19,1	11	40	9,5	6	7730.190Z60	47,80
25,4	17,5	46,5	12,7	6	7730.254Z60	52,30
9,5	6,3	42,5	4,8	8	7730.095Z80	36,70
12,7	9,5	41,5	6,30	8	7730.127Z80	39,50
15,9	11	43,5	7,9	8	7730.160Z80	41,50
19,1	11	43	9,5	8	7730.190Z80	47,80
22,2	13,8	46	11	8	7730.222Z80	51,30
25,4	17,5	50	12,7	8	7730.254Z80	52,30
32	32	70	16	12	7730.320Z12	123,40
38,1	32	70	19,1	12	7730.381Z12	139,60
50,8	32	70	25,4	12	7730.508Z12	156,50

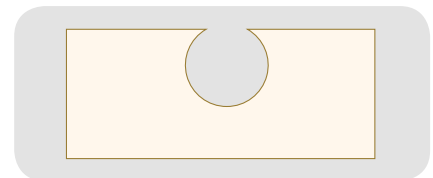
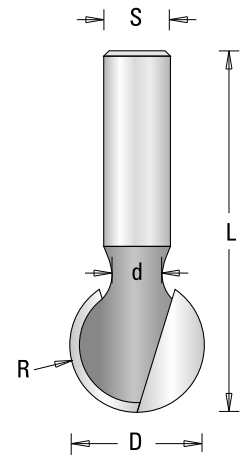
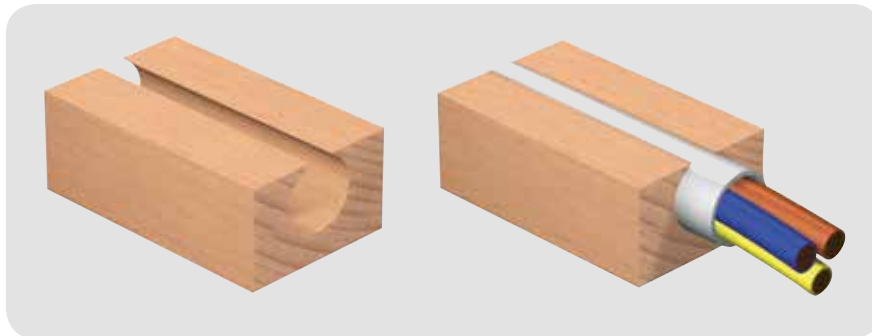


HW-Kugelfräser Z2

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	41,10
16	63	7,0	8	12	7769.160.12	45,90
19	64	8	9,5	12	7769.190.12	49,70
22,2	68	8,0	11,1	12	7769.222.12	52,80
25,4	70	8,7	12,7	12	7769.254.12	61,40
28,6	74	10,3	14,3	12	7769.286.12	73,30
32	75	11,1	16	12	7769.320.12	81,50



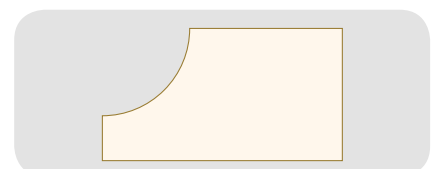
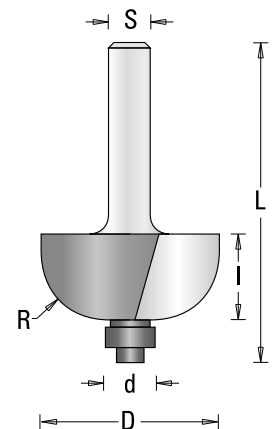
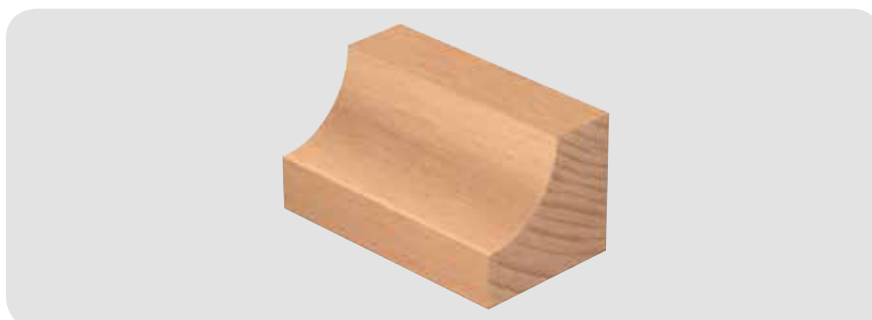
HW-Halbhohlkehlfräser Z2

HW Core Cutter Z2

7735

D	d	l	R	S	Best.-Nr./Part No.	Euro
15,9	9,5	12,7	3,2	8	7735.159Z80	56,60
19,1	9,5	14,3	4,8	8	7735.191Z80	56,60
22,2	9,5	14,3	6,3	8	7735.222Z80	58,20
25,4	9,5	14,3	7,9	8	7735.254Z80	59,50
28,6	9,5	14,3	9,5	8	7735.286Z80	64,90
34,9	9,5	16,7	12,7	8	7735.349Z80	69,30
41,3	9,5	18	16	12	7735.413Z12	87,80
57,1	12,7	31,8	22,2	12	7735.571Z12	158,50

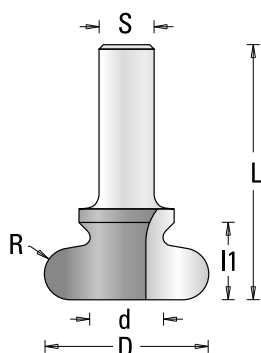
Ersatzteile	Spare parts	Best.-Nr./Part No.	Euro
Kugellager Ø 9,5 x 3	ball bearing Ø 9,5 x 3	7050.101.95	8,10
Kugellager Ø 12,7 x 4,76	ball bearing Ø 12,7 x 4,76	7050.100.12	9,40



7747

HW-Griffmuldenfräser Z2

HW Finger Grip Cutter Z2



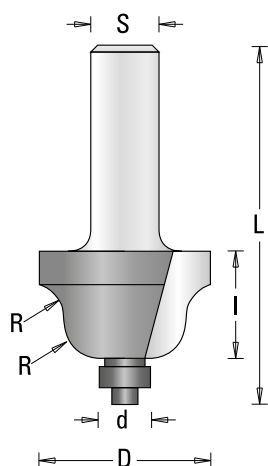
D	d	I1	R	S	Best.-Nr./Part No.	Euro
19,1	10	14,3	4,8/2,5	8	7747.191.80	80,20
38,1	17	17	6/2	8	7747.381.80	117,60
19,1	10	14,3	4,8/2,5	12	7747.191.12	82,50
38,1	17	18	6,0/2,5	12	7747.381.12	131,70
45	17	17,2	4,8/2,5	12	7747.450.12	143,90



7750

HW-Profilfräser Z2 mit Anlaufleger

HW Profile Cutter Z2 with Ball Bearing



D	d	I	L	R	S	Best.-Nr./Part No.	Euro
25,4	9,5	15,9	57,0	4/4	8	7750.254Z80	61,10
34,9	9,5	20,0	61,5	6,3/6,3	8	7750.349Z80	67,90

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager 9,5 x 3	ball bearing 9,5 x 3	7050.101.95	8,10

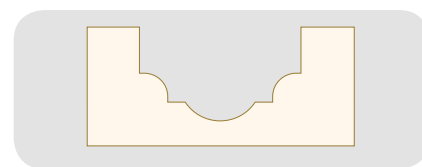
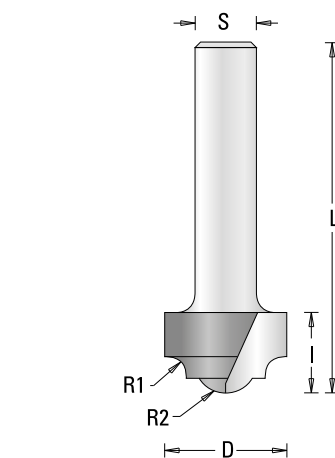


HW-Profilfräser Z2

HW Profile Cutter Z2

7753

D	I	L	R	S	Best.-Nr./Part No.	Euro
12,7	10,5	51	2,5/3,5	8	7753.127Z80	67,50
19,1	12,7	54	3,7/4,0	8	7753.191Z80	47,50
25,4	16,5	57	5,0/6,3	8	7753.254Z80	96,10

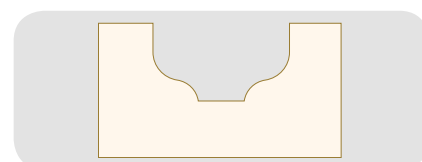
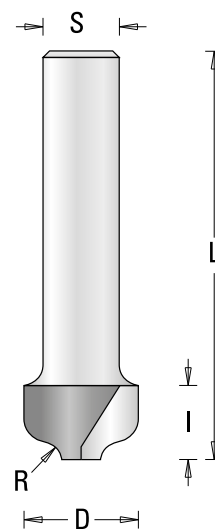
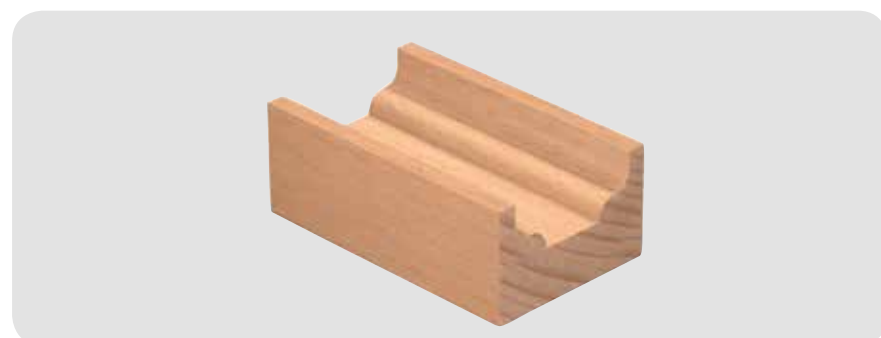


HW-Profilfräser Z2

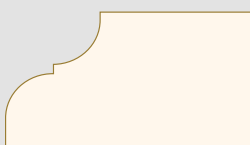
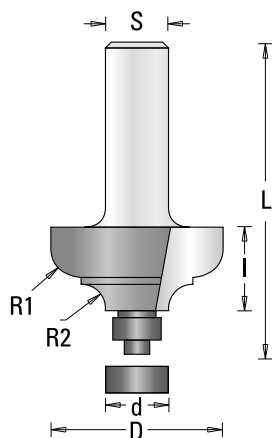
HW Profile Cutter – Flat Bottom Z2

7759

D	I	L	R	S	Best.-Nr./Part No.	Euro
12,7	9,5	51	2,0	8	7759.127.80	55,20
19,1	12,7	53	3,5	8	7759.191.80	66,40



7765 Form A



HW-Profilfräser Z2 mit Anlauflager

HW Profile Cutter Z2 with Ball Bearing

D	l	L	R1/R2	d	S	Best.-Nr./Part No.	Euro
28,6	12,7	56	4,0/4,0	12,7	8	7765.286Z80	90,20
34,9	17,5	60	6,0/5,0	12,7	8	7765.349Z80	99,00
38	16	65	4,7/8,0	12,7	12	7765.380Z12	99,00
51	23	72	9,5/9,5	12,7	12	7765.510Z12	122,10

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager 12,7 x 4,76	ball bearing 12,7 x 4,76	7050.100.12	9,40
Kugellager 9,5 x 4,76	ball bearing 9,5 x 4,76	7050.100.95	8,10



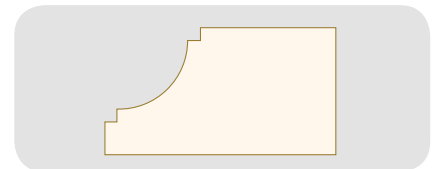
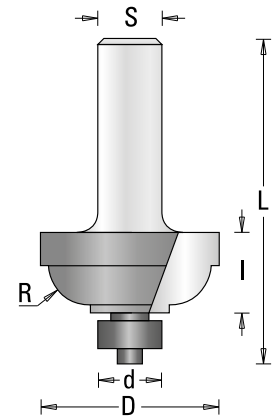
HW-Profilfräser Z2 mit Anlauflager

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	75,80

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager 12,7 x 4,76	ball bearing 12,7 x 4,76	7050.100.12	9,40



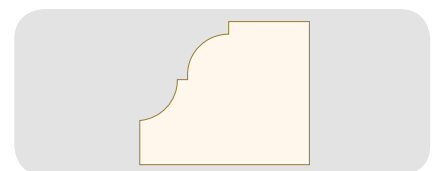
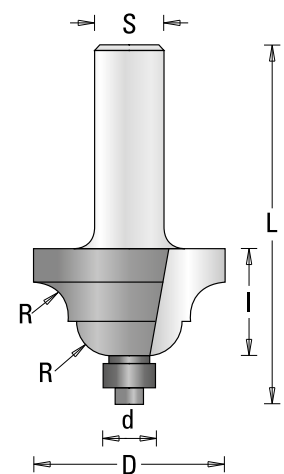
HW-Profilfräser Z2 mit Anlauflager

HW Profile Cutter Z2 with Ball Bearing

7775

D	R	d	S	Best.-Nr./Part No.	Euro
25,4	4/4	9,5	8	7775.254280	67,90
34,9	6,3/6,3	9,5	8	7775.349280	69,30

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager 9,5 x 3	ball bearing 9,5 x 3	7050.101.95	8,10



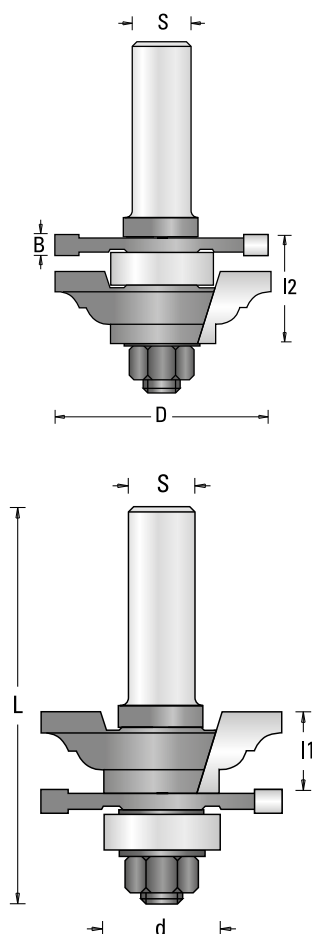
7591

HW-Konterprofilersatz

Z2 + 2

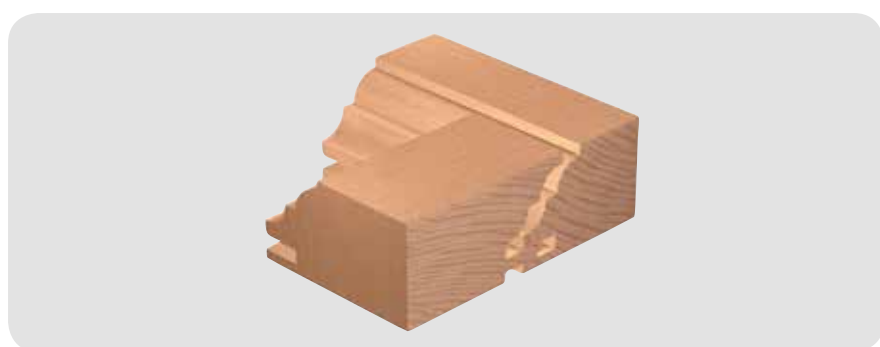
HW Counter Profile Set

Z2 + 2



D	d	B	L	l1	l2	S		Best.-Nr./Part No.	Euro
46	22	4	70	15	22	8		7591.460.80	155,20
46	22	4	70	15	22	12	rechts/right	7591.460.12	162,00
46	22	4	70	15	22	12	links/left	7591.461.12	162,00

Ersatzteile	Spare parts	Best.-Nr./Part No.	Euro
HW-Nutfräser 46x4x8 Z2	HW-grooving cutter 46x4x8 Z2	7591.040.80	31,80
Aufnahmedorn mit Mutter	arbore with nut	7591.080.80	15,80
HW-Profilfräser 46x15x8 Z2	HW-profile cutter 46x15x8 Z2	7591.150.80	104,70
Kugellager ø 22,0 d 8	ball bearing ø 22,0 d 8	7050.180.22	11,50



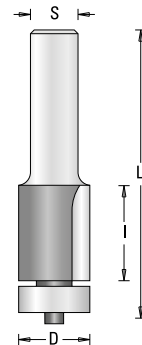
HW-Bündigfräser Z2 für Corian, Schaft 12 mm

- 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

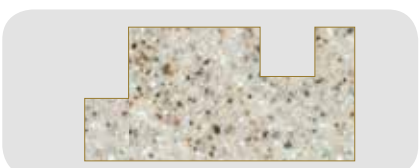
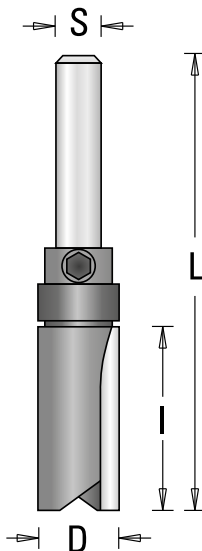
D	I	L	S	Best.-Nr./Part No.	Euro
19	25,4	82	12	7980.190.12	37,40

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager D = 15,9 d = 6,35	ball bearing D = 15,9 d = 6,35	7980.019.00	10,40
Kunststoff-Anlauflager D = 19,0; 0°	plastic guide ring D = 19,0; 0°		
Sicherungsring Nr. 1	safety ring no. 1	7980.001.00	1,50
Inbusschraube Nr. 1	allen screw no. 1	7980.000.01	1,50

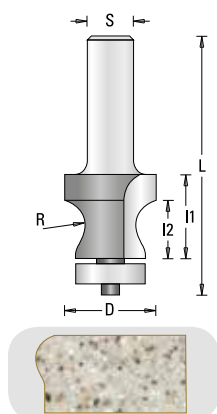
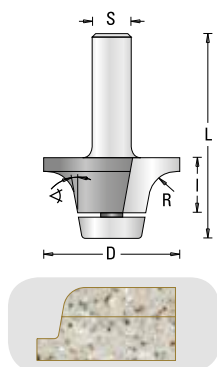
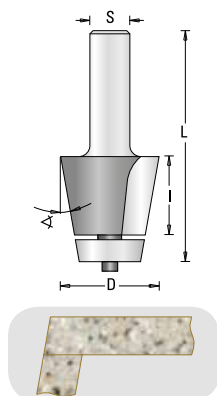
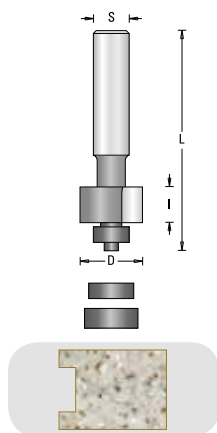
HW-Bündigfräser mit Anlauflager, schaftseitig HW trimming cutter with guide bearing, shank Side

D	I	L	S	Best.-Nr./Part No.	Euro
28,6	38	92	12	7980.286.12	53,90

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	5,20
Sicherungsring Nr. 2	safety ring no. 2	7980.002.00	4,50
Inbusschraube Nr. 4	allen screw no. 4	7980.000.04	1,50



7980 Corian



Fortsetzung

Continuation

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

D	I	L	d	S	Best.-Nr./Part No.	Euro
22,2	9,5	78	12,7	12	7980.222.12	45,70

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	9,40
Sicherungsring Nr. 1	safety ring no. 1	7980.001.00	1,50
Inbusschraube Nr. 1	allen screw no. 1	7980.000.01	1,50

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

D	I	L	α	S	Best.-Nr./Part No.	Euro
32	25,4	81	12°	12	7980.320.12	62,70

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager ø 15,9 d 6,35	ball bearing D = 15,9 d = 6,35	7050.101.12	9,40
Kunststoff-Anlaufring D = 21,8; 10°	plastic guide ring D = 21,8; 10°	7980.021.10	12,60
Sicherungsring Nr. 1	safety ring no. 1	7980.001.00	1,50
Inbusschraube Nr. 1	allen screw no. 1	7980.000.01	1,50

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

D	I1	I2	L	α	R	S	Best.-Nr./Part No.	Euro
51	18,2	13,7	63,5	17°	12,7	12	7980.510.12	101,20
57	24	20	76	17°	19	12	7980.570.12	104,00

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	7050.100.15	9,40
Kunststoff-Anlaufring ø 22,2; 10°	plastic guide ring D = 22,2; 10°	7980.022.10	12,60
Inbusschraube Nr. 3	allen screw no. 3	7980.000.03	1,90

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

D	I1	I2	L	R	S	Best.-Nr./Part No.	Euro
25	29	24	85	8	12	7980.250.12	61,10

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	9,40
Kunststoff-Anlaufring ø 19,0; 0°	plastic guide ring ø 19,0; 0°	7980.019.00	10,40
Sicherungsring Nr. 1	safety ring no. 1	7980.001.00	1,50
Inbusschraube Nr. 1	allen screw no. 1	7980.000.01	1,50

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	S	Best.-Nr./Part No.	Euro
A	25,4	12,7	54		8	16	12	7980.254.12	49,10
B	28,6	13,5	61	8			12	7980.080.12	43,40

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	8,10
Kunststoff-Anlaufring D 12,7; 0°	plastic guide ring D 12,7; 0°	7980.012.00	8,80
Sicherungsring Nr. 1	safety ring no. 1	7980.001.00	1,50
Inbusschraube Nr. 2	allen screw no. 2	7980.000.02	1,50

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

D	I	L	R	S	Best.-Nr./Part No.	Euro
38	19	65	12,7	12	7980.127.12	49,10

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	8,10
Kunststoff-Anlaufring ø 12,7; 0°	plastic guide ring D = 12,7; 0°	7980.012.00	8,80
Sicherungsring Nr. 1	safety ring no. 1	7980.001.00	1,50
Inbusschraube Nr. 2	allen screw no. 2	7980.000.02	1,50

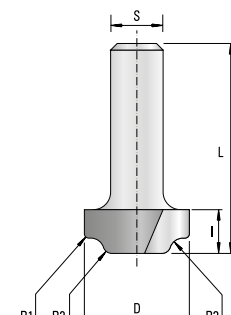
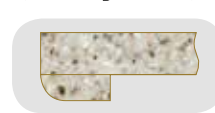
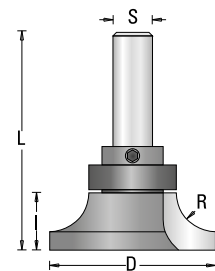
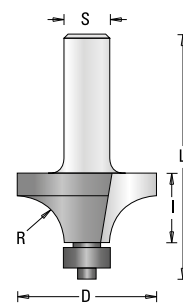
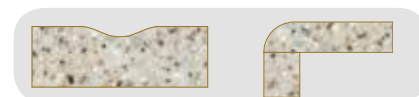
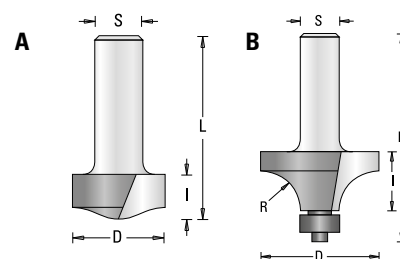
HW-Abrundfräser mit Kunststoff-Anlauflager, schaftseitig HW rounding cutter with plastic guide bearing, shank side

D	I	L	R	S	Best.-Nr./Part No.	Euro
54	20	73	12,7	12	7980.540.12	124,30

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager D = 24,0 d = 15	ball bearing D = 24,0 d = 15	7050.100.24	11,50
Kunststoff-Anlaufring D = 28,6; 0°	plastic guide ring D = 28,6; 0°	7980.028.00	10,40
Sicherungsring Nr. 2	safety ring no. 2	7980.002.00	4,50
Inbusschraube Nr. 4	allen screw no. 4	7980.000.04	1,50

HW-Profilfräser / HW profile cutter

D	I	L	R1	R2	R3	S	Best.-Nr./Part No.	Euro
24	10	50	1	2	3	12	7980.240.12	49,10



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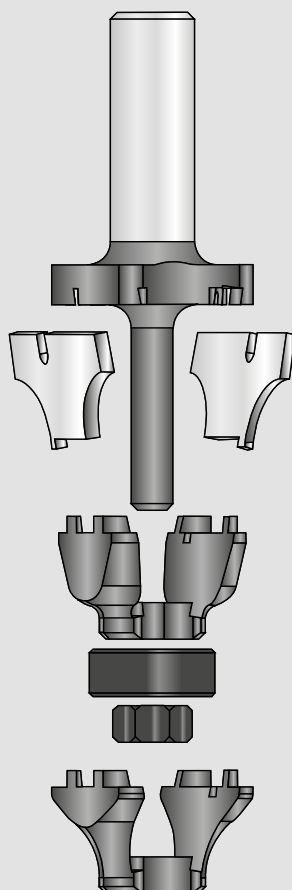
NOVA-WPL-Oberfräser Grundkörper Z2

NOVA-Router Tool Body Z2

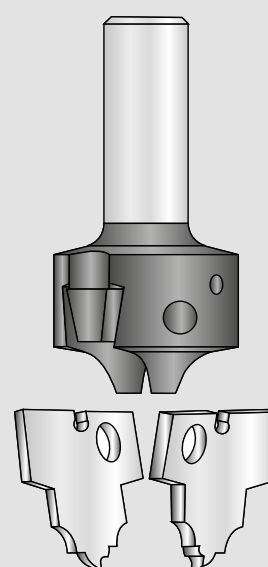
		S	Best.-Nr./Part No.	Euro
Grundkörper A	Tool body A	S8	7979.001.80	71,80
Grundkörper A	Tool body A	S12	7979.001.12	71,80
Kugellager ø19x6,35	ball bearing ø19x6,35		7050.100.19	9,40

		S	Best.-Nr./Part No.	Euro
Grundkörper B	Tool body B	S8	7979.002.80	52,80
Grundkörper B	Tool body B	S12	7979.002.12	52,80

Grundkörper A
Tool body A



Grundkörper B
Tool body B

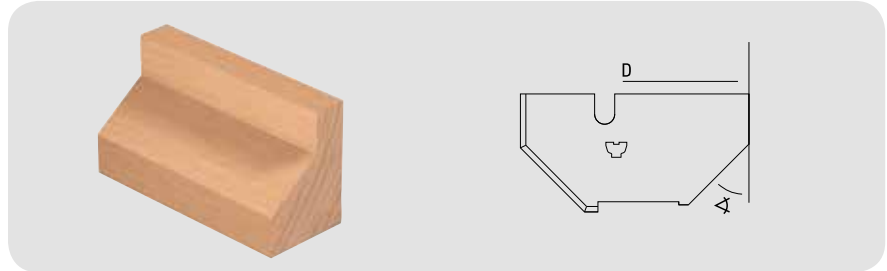
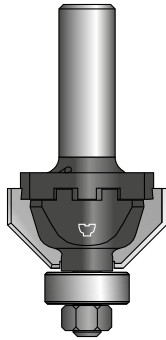


NOVA-Profilmesser

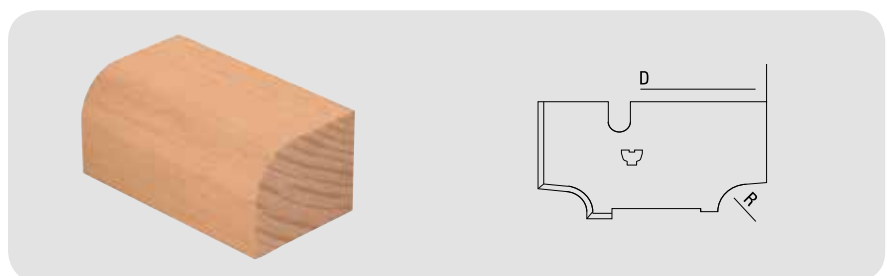
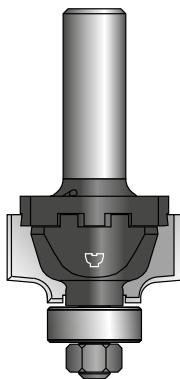
NOVA Profile Knives

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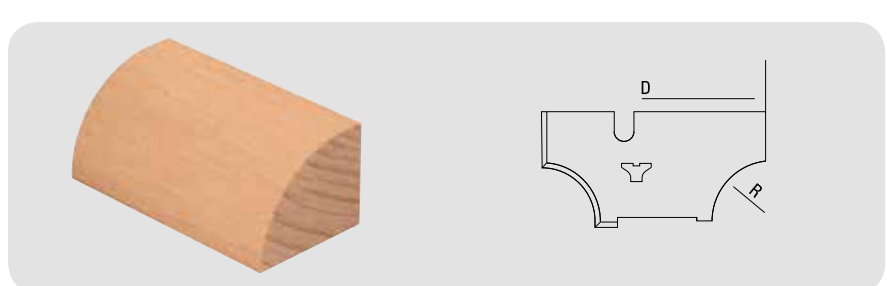
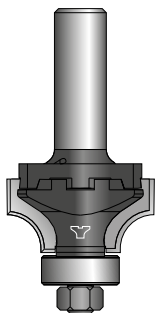
		Grundkörper / Tool body	Profile / Profile	Best.-Nr./Part No.	Euro
HW-Fasemesser 30°	HW bevel knife 30°	A	A 01	4209.030.00	15,80
HW-Fasemesser 45°	HW bevel knife 45°	A	A 02	4209.045.00	15,80



		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	15,80
HW-Abrundmesser R4,8	HW rounding knife R4,8	A	A 04	4209.480.00	15,80



		Grundkörper / Tool body	Profile / Profile	Best.-Nr./Part No.	Euro
HW-Abrundmesser R6,35	HW rounding knife R6,35	A	A05	4209.635.00	15,80
HW-Abrundmesser R7,9	HW rounding knife R7,9	A	A06	4209.790.00	15,80
HW-Abrundmesser R9,5	HW rounding knife R9,5	A	A07	4209.950.00	15,80

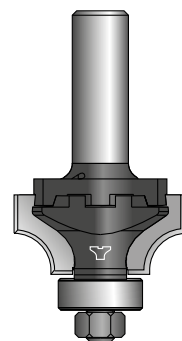
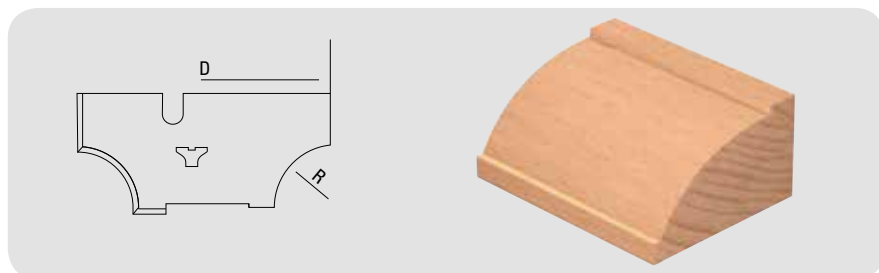


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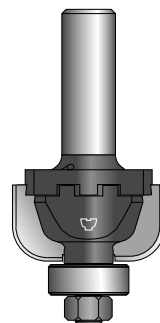
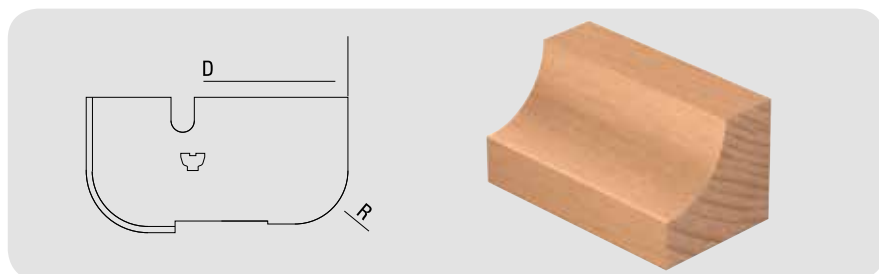
NOVA-Profilmesser

NOVA Profile Knives

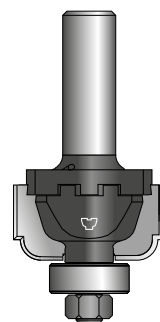
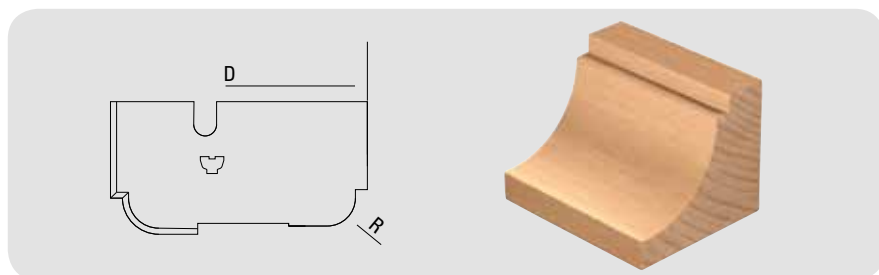
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HW-Viertelstabmesser R4,8	HW quarter round knife R4,8	A	A08	4209.480.01	15,80
HW-Viertelstabmesser R6,35	HW quarter round knife R6,35	A	A09	4209.635.01	15,80
HW-Viertelstabmesser R7,9	HW quarter round knife R7,9	A	A10	4209.790.01	15,80



		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	15,80
HW-Hohlkehlmesser R7,9	HW convex radius knife R7,9	A	A12	4209.079.00	15,80
HW-Hohlkehlmesser R9,5	HW convex radius knife R9,5	A	A13	4209.095.00	15,80



		Grundkörper / Tool body	Profile / Profile	Best.-Nr./Part No.	Euro
HW-Profilmesser R4,8	HW profile knife R4,8	A	A14	4209.044.01	15,80

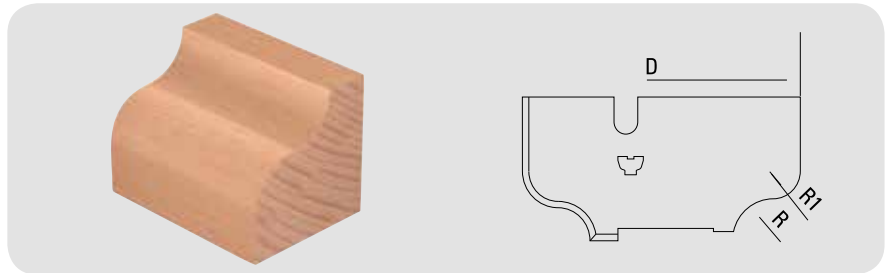
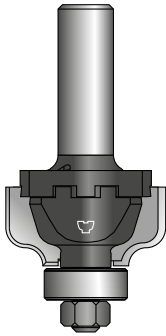


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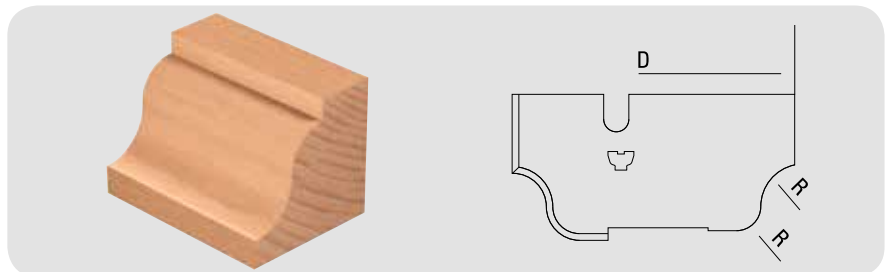
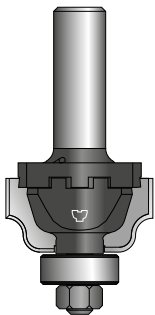
NOVA Profile Knives

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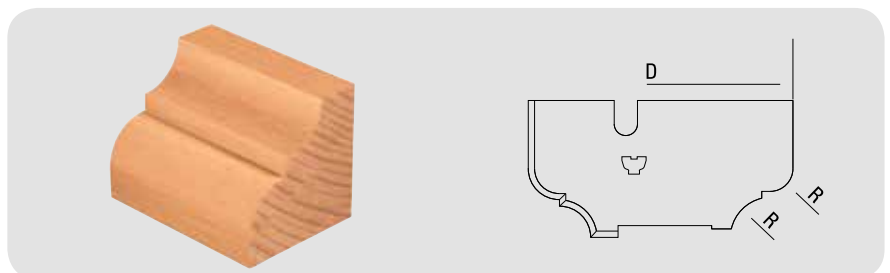
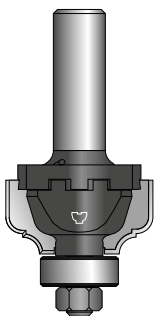
		Grundkörper / Tool body	Profile / Profile	Best.-Nr./Part No.	Euro
HW-Profilmesser R4/R4,5, D 36	HW profile knife R4/R4,5	A	A15	4209.440.00	17,10
HW-Profilmesser R4/R4,5, D 38	HW profile knife R4/R4,5	A	A16	4209.440.01	15,80



		Grundkörper / Tool body	Profile / Profile	Best.-Nr./Part No.	Euro
HW-Profilmesser R4/R4	HW profile knife R4/R4	A	A17	4209.040.01	15,80



		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	17,10
HW-Profilmesser R4/R4, D 38	HW profile knife R4/R4, D 38	A	A19	4209.400.01	17,10

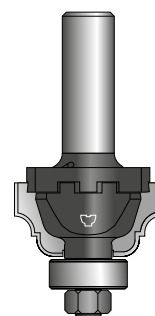
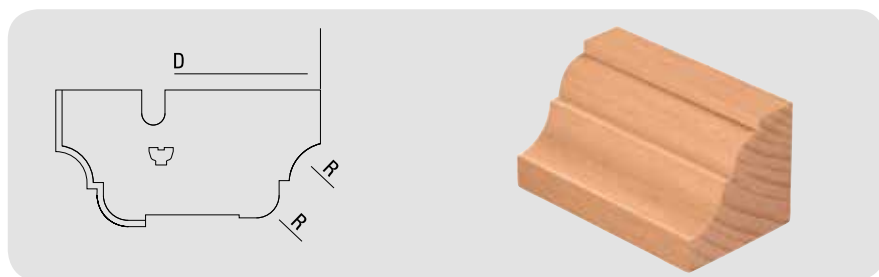


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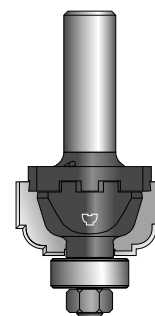
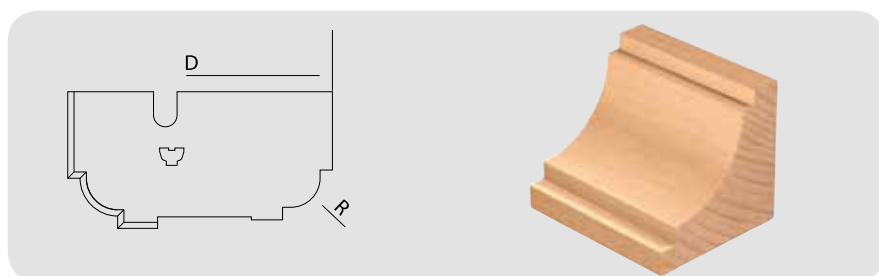
NOVA-Profilmesser

NOVA Profile Knives

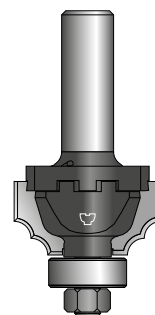
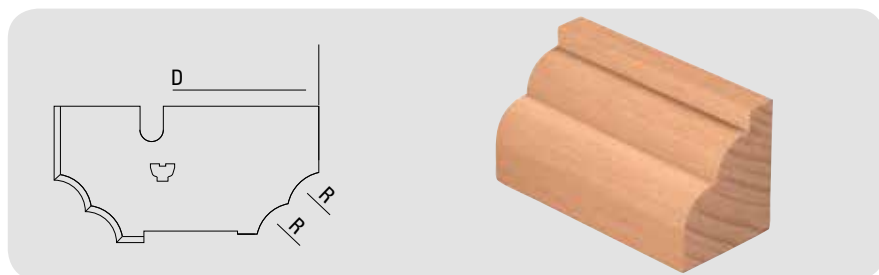
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HW-Profilmesser R4/4	HW profile knife R4/4	A	A20	4209.040.00	17,10



		Grundkörper / Tool body	Profile / Profile	Best.-Nr./Part No.	Euro
HW-Profilmesser R4,8	HW profile knife R4,8	A	A21	4209.044.00	15,80



		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	17,10
HW-Profilmesser R4/4, D 38	HW profile knife R4/4	A	A23	4209.404.01	17,10

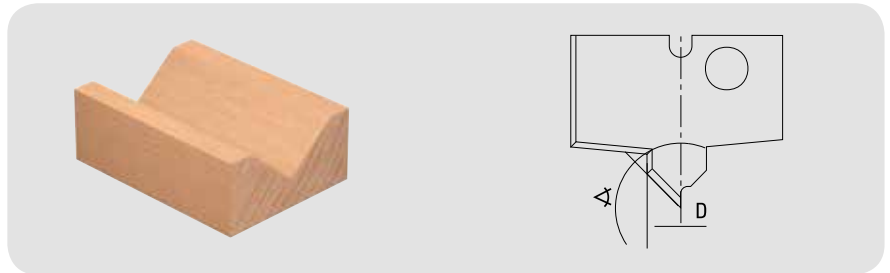
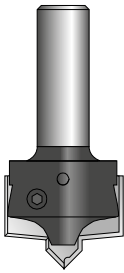


NOVA-Profilmesser

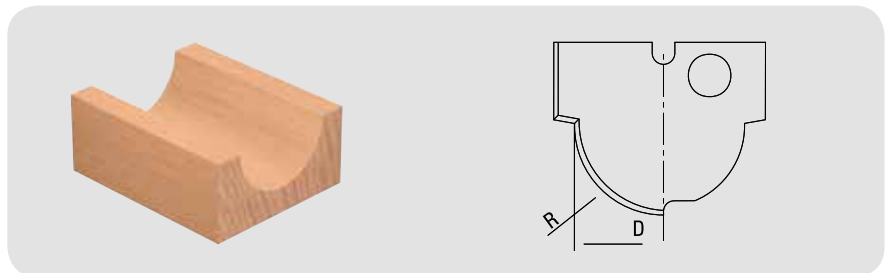
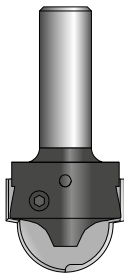
NOVA Profile Knives

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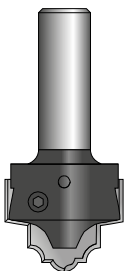
		Grundkörper / Tool body	Profile / Profile	Best.-Nr./Part No.	Euro
HW-V-Nutmesser 90°	HW V-groove knife 90°	B	B51	4209.090.02	16,00
HW-V-Nutmesser 60°	HW V-groove knife 60°	B	B52	4209.060.02	16,00



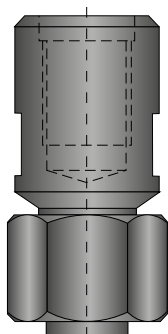
		Grundkörper / Tool body	Profile / Profile	Best.-Nr./Part No.	Euro
HW-Hohlkehlmesser R6,35	HW concave knife R6,35	B	B53	4209.006.02	16,00
HW-Hohlkehlmesser R12,7	HW concave knife R12,7	B	B54	4209.012.02	16,00



		Grundkörper / Tool body	Profile / Profile	Best.-Nr./Part No.	Euro
HW-Profilmesser R4/R4	HW profile knife R4/R4	B	B55	4209.040.02	16,00



7060



Spannzangenfutter 3-teilig

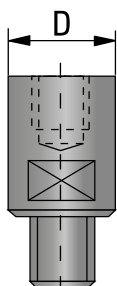
3-Part Collet Chucks

Innengewinde M12x1 / Internal thread M 12x1

d	Best.-Nr./Part No.	Euro
6	7060.500.06	64,50
8	7060.500.08	64,50
10	7060.500.10	64,50
12	7060.500.12	64,50

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Spannzange, d6	collet, d6	7060.510.06	36,00
Spannzange, d8	collet, d8	7060.510.08	36,00
Spannzange, d10	collet, d10	7060.510.10	36,00
Spannzange, d12	collet, d12	7060.510.12	36,00

7080



Verlängerung

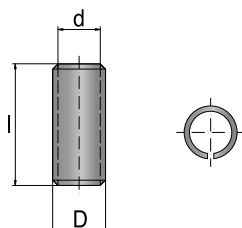
Extensions

- M12x1 D = 18 mm
- M10 D = 16 mm

- M12x1 D = 18 mm
- M10 D = 16 mm

Ausführung	Version	I	Best.-Nr./Part No.	Euro
M12x1 Innen auf M12x1 Aussen	M12x1 inside on M12x1 outside	25	7080.012.25	16,70
M12x1 Innen auf M12x1 Aussen	M12x1 inside on M12x1 outside	35	7080.012.35	17,50

7035



Spannhulsen geschlitzt

Mounting Sleeves, slotted

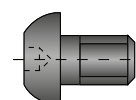
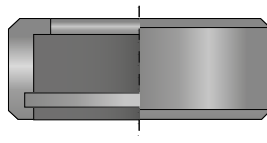
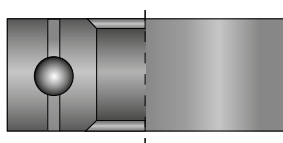
d	D	I	Best.-Nr./Part No.	Euro
6	8	23	7035.060.80	13,10
8	10	23	7035.080.10	14,60
8	12	23	7035.080.12	13,70

Ersatzteile für Oberfräser

Spare Parts for Routers

7050

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager ø 6,3x3,1	ball bearing ø 6,3x3,1	7050.100.63	6,60
Kugellager ø 9,5x3	ball bearing ø 9,5x3	7050.101.95	8,10
Kugellager ø 9,5x4,76	ball bearing ø 9,5x4,76	7050.100.95	8,10
Kugellager ø 10x4	ball bearing ø 10x4	7050.100.10	9,40
Kugellager ø 12,7x4,76	ball bearing ø 12,7x4,76	7050.100.12	9,40
Kugellager ø 12,7x6,35	ball bearing ø 12,7x6,35	7050.101.12	9,40
Kugellager ø 15,9x6,35x5	ball bearing ø 15,9x6,35	7050.100.15	9,40
Kugellager ø 16x4,7	ball bearing ø 16x4,7	7050.100.16	9,40
Kugellager ø 16x5	ball bearing ø 16x5	7050.100.14	9,40
Kugellager ø 16x6x5	ball bearing ø 16x6x5	7050.160.16	9,40
Kugellager ø 16x8	ball bearing ø 16x8	7050.180.16	9,40
Kugellager ø 19x4,7	ball bearing ø 19x4,7	7050.100.18	9,40
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	9,30
Kugellager ø 19x6,35	ball bearing ø 19x6,35	7050.100.19	9,40
Kugellager ø 22x7	ball bearing ø 22x7	7050.100.22	11,50
Kugellager ø 22x8	ball bearing ø 22x8	7050.180.22	11,50
Kugellager ø 24x15	ball bearing ø 24x15	7050.100.24	11,50
Kugellager ø 25,4x6,3	ball bearing ø 25,4x6,3	7050.200.25	12,50
Kugellager ø 28,6x12,7	ball bearing ø 28,6x12,7	7050.100.28	5,20
Kugellager ø 35x15	ball bearing ø 35x15	7050.200.35	6,60
Spannmutter M8	lock nut M8	7050.300.08	1,90
Torx-Spannschraube Großkopf M4x5,9 (T15)	Torx screw M4x5,9 (T15)	7050.400.10	1,50
Torx-Spannschraube M4x5,6 (T15)	Torx screw M4x5,6 (T15)	7050.400.12	1,50
Torx-Schraubendreher T 1,5	Torx key T1,5	7050.150.00	8,80
Torx-Schraubendreher T15	Torx key T15	7050.400.00	5,90

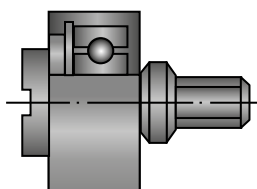


Wechsel-Anlaufsatz für Handoberfräser

Replacement Bearing Guides for Routers

7020

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	24,00
Anlaufsatz für d Ø 12 mm	guide ball-bearing set for d Ø 12 mm	7020.120.00	24,00
Anlaufsatz für d Ø 14 mm	guide ball-bearing set for d Ø 14 mm	7020.140.00	24,00



7900 SET



HW-WPL-Fräserkassette 6-teilig, Schaft 8 mm

- Schaft 8 mm
- mit 3 Ersatz-Anlaufaglern

Artikelbezeichnung	Item Description	D	I1	L	R1	∠	Z
Hohlkehlfräser	Cove Cutter	12,7	13,0	59	6		1
Nutfräser	Grooving Cutter	12,0	29,5	66			1
Bündigfräser	Trimming Cutter	12,7	20,0	62			2
V-Nutfräser	V-grooving Bit	17,6		53			1
Abrundfräser	Rounding Cutter	26,0	15,7	55	6		2
Fase-Abrundfräser	Bevel Rounding Cutter	26,0	6,7	59	3	45°	2

Best. Nr. /Part No.:	Euro
7900.000.06	209,70

HW-Turnblade-Cutter Cassette 6-parts, Shank 8 mm

- Shank 8 mm
- with 3 spare ball bearings

7741 SET



HW-Abrundfräser-Kassette 6-teilig, Schaft 8 mm

- Schaft 8 mm
- Radius = 2, 3, 5, 6,35, 8, 9,5 mm
- mit 3 Ersatz-Anlaufaglern

Best. Nr. /Part No.:	Euro
7741.000.06	209,70

HW Rounding Cutter Cassette 6-parts, Shank 8 mm

- Shank 8 mm
- Radius = 2, 3, 5, 6, 35, 8, 9.5 mm
- With 3 spare ball bearings



Set 1 HW-Nutfräser für den Innenausbau

Set 1 HW Grooving Cutter for interior trim

7523 Set 1

D	I	L	S	Z
4	11	51	8	2
6	19	57	8	2
8	20	55	8	2
10	20	60	8	2



Best. Nr. /Part No.:	Euro
7523.000.04	87,70

Set 2 HW-Nutfräser für den Fensterbau

Set 2 HW-Grooving Cutter for window construction

7523 Set 2

D	I	L	S	Z
12	30	90	8	2
16	30	90	8	2
20	19	70	8	2



Best. Nr. /Part No.:	Euro
7523.000.03	100,40

Set 3 HW-WPL-Bündigfräser/ Fase-Abrundfräser

Set 3 HW Turnblade Trimming Cutter/ Bevel Rounding Cutter

7900 Set 3

Artikelbezeichnung	Item Description	D	I1	L	S	Z
Bündigfräser	trimming cutter	12,7	20	62	8	2
Fase-Abrundfräser R=3 45°	bevel rounding cutter R=3 45°	26	6,7	59	8	2



Best. Nr. /Part No.:	Euro
7900.000.04	100,40

Ersatzteile	Spare Parts		VP	Best.-Nr./Part No.	Euro
HW-Profilplatten zu Bündigfräser	HW profile plates for trimming cutter	20 x 9 x 1,5 mm	2	7900.012.90	6,90
HW-Profilplatten zu Fase/Abrundfräser	HW profile plates for trimming cutter	12 x 12 x 1,5 mm Radius 3mm / 45°	2	7900.012.03	8,70



Notizen

Notes

Lined area for notes, consisting of 25 horizontal lines.