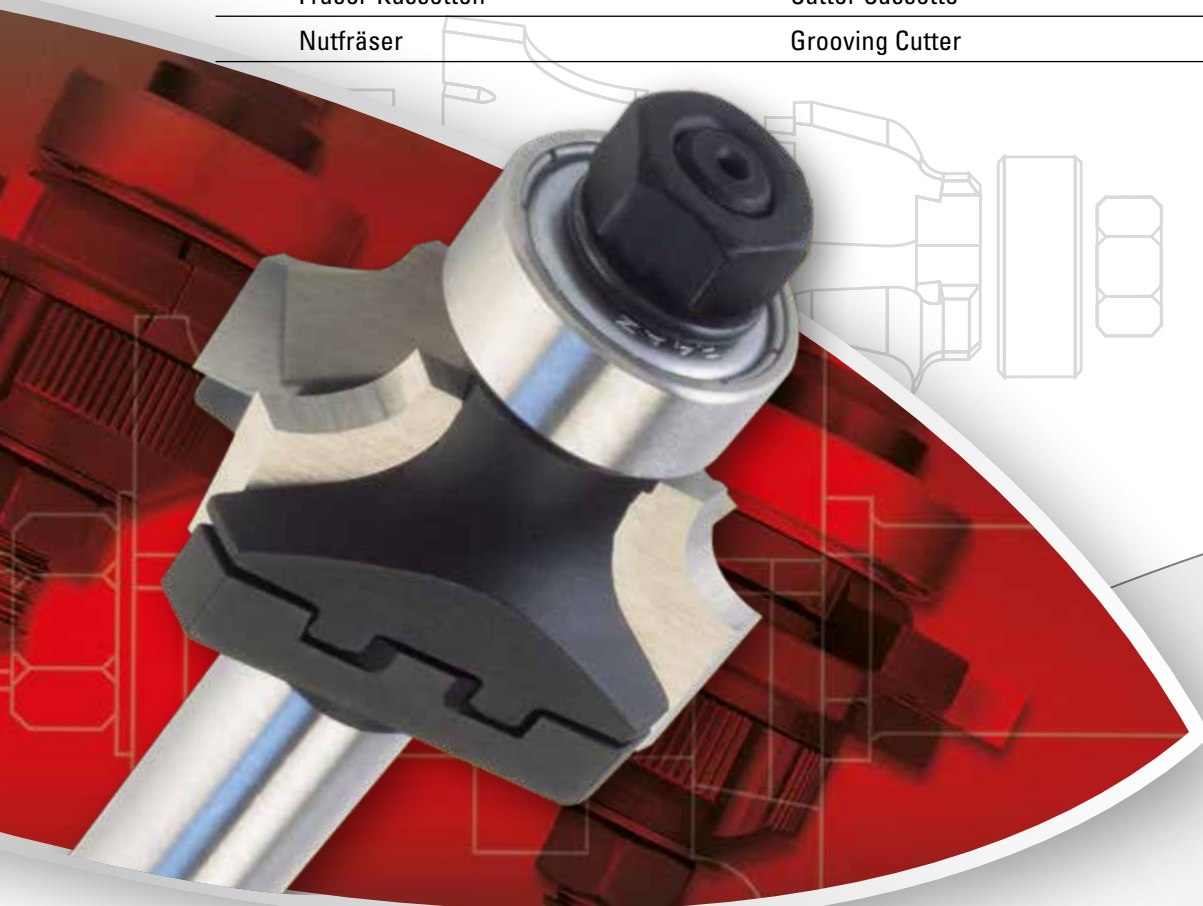
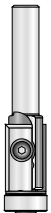
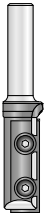
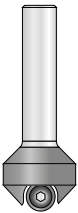
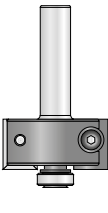
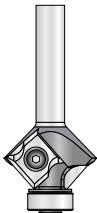
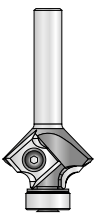
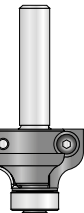
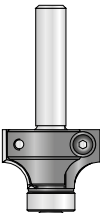
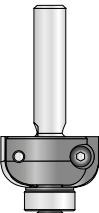
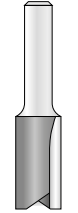
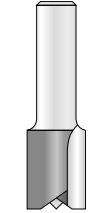
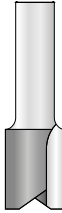
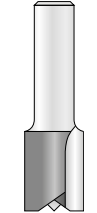
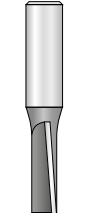
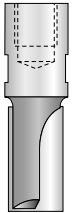
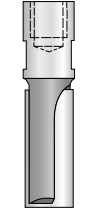
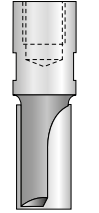


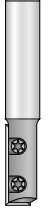
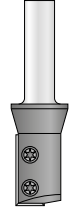
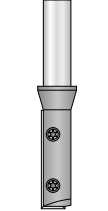
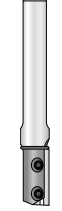
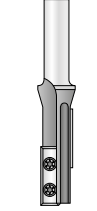
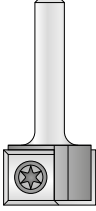
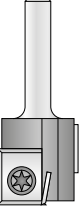
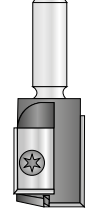
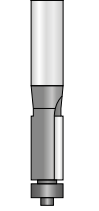
HANDBERFRÄSER ROUTER CUTTERS

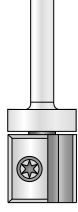
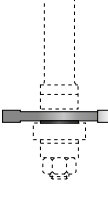
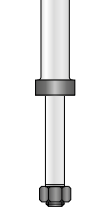
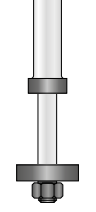
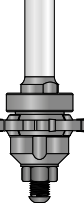
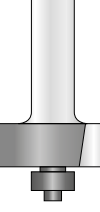
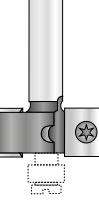
Übersicht	Overview	168 – 169
WP Programm	HW Turnblade Programme	170 – 171
Nutfräser	Straight Bit	172 – 184
Bündigfräser	Trimming Cutter With Ball Bearing	185 – 186
Nutsägen	Grooving Saw	187 – 189
Nutfräser, verstellbar	HW Adjustable Groover	190
Falzfräser	Rebate Cutter	191 – 192
V-Nutfräser, Fasefräser, Zinkenfräser	V-grooving Bit, Bevel Trimmer, Dovetail Cutter	193 – 199
T-Nutfräser, Kopierfräser	T-Groover, Copy Cutter	200
Dichtungsnutfräser	Seal Groover	201 – 203
Kantengetriebefräser, Beschlagbohrer	Step Cutter, Hinge Boring Bit	203 – 204
Abrundfräser	Rounding Cutter	205 – 210
Hohlkehlfräser	Cove Cutter	211 – 212
Profilfräser	Profile Cutter	213 – 223
Corianfräser	Corian Cutter	224 – 226
Novafräser	Nova Cutter	227 – 232
Zubehör, Ersatzteile	Spare Parts / Accessories	233 – 235
Fräser-Kassetten	Cutter Cassette	236 – 237
Nutfräser	Grooving Cutter	238

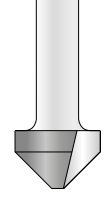
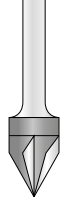
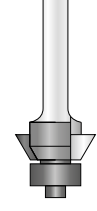
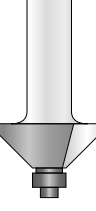
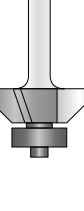
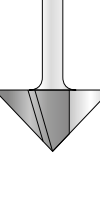
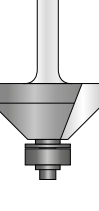


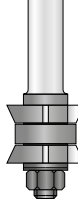
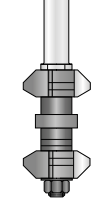
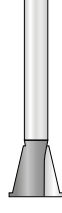
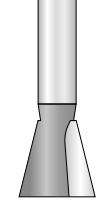
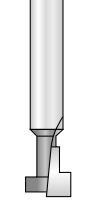
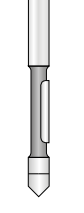
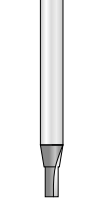
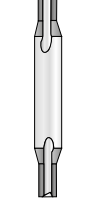
									
7900.127.80	7900.120.80	7900.176.80	7900.286.80	7900.060.80	7900.145.80	7900.145.80	7900.245.80	7900.062.80	7900.061.80
170	170	170	170	170	171	171	171	171	171

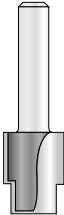
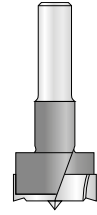
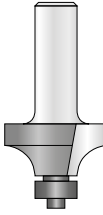
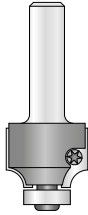
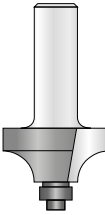
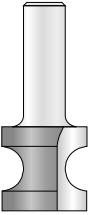
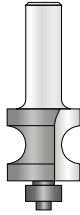
									
7520	7520	7523	7530	7534	7535	7536	7540	7545	7550
172	173	174	175	167	177	178	178	179	179

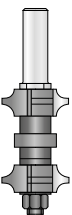
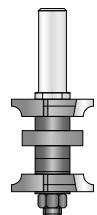
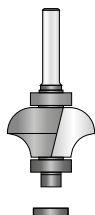
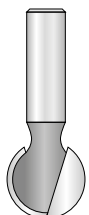
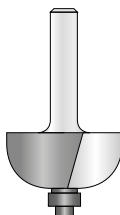
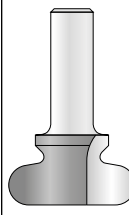
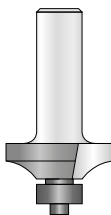
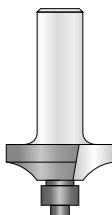
									
7555	6217	6217	6217	6218	7960	7526	7909	7910	7810
180	181	181	181	181	183	183	184	184	185

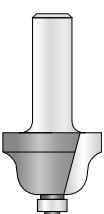
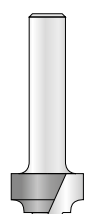
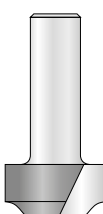
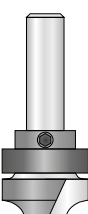
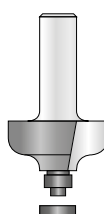
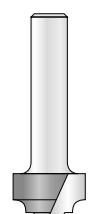
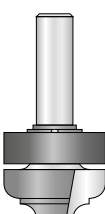
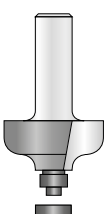
									
7812	7920	7925	7580	7538	7585	7082	7584	7710	7525
185	186	186	187	188	189	189	190	191	191

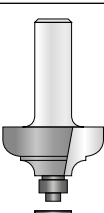
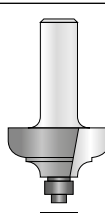
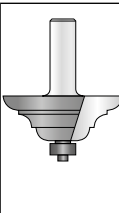
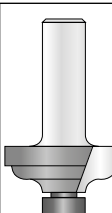
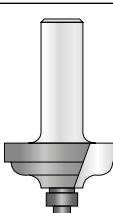
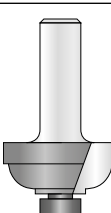
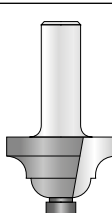
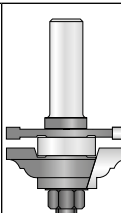
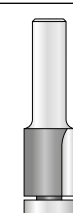
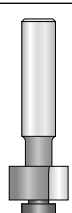
									
7527	7528	7601	7605	7200/7600	7713	7714	7715	7715	7725
192	192	193	193	194	194	195	195	196	196

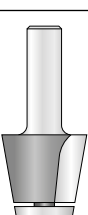
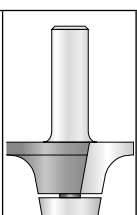
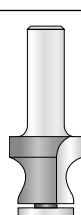
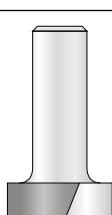
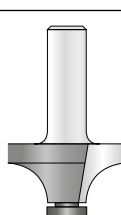
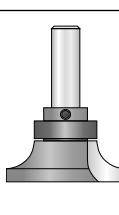
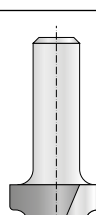
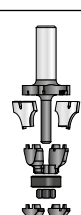
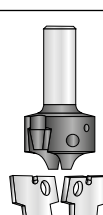
									
7930	7716	7717	7718	7630	7631	7650	7880	7895	7896
197	197	198	198	199	199	200	200	201	201

									
7897	7894/7898	7385	7752	7560	7741	7935	7746	7767	7768
202	202	203	203	204	205	206	207	207	208

									
7738	7739	7742	7602	7730	7769	7735	7747	7743	7744
209	209	210	211	211	212	212	213	213	214

									
7750	7753	7754	7757	7758	7759	7760	7761	7762	7763
214	215	215	216	216	217	217	218	218	219

									
7764	7765	7766	7771	7772	7773	7775	7591	7980	7980.222.12
219	219	220	221	221	222	222	223	224	225

									
7980.320.12	7980.510.12	7980.250.12	7980	7980.254.12	7980.540.12	7980.240.12	7979	7979	Zub./Misc.
225	225	225	226	226	226	226	227	227 – 232	233

**MITBEWERBER
COMPETITOR**

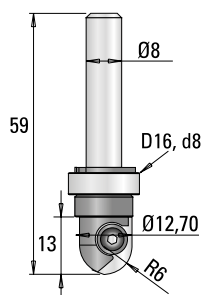
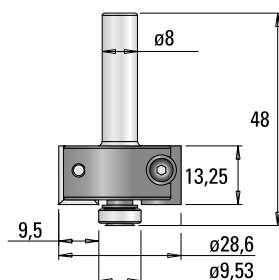
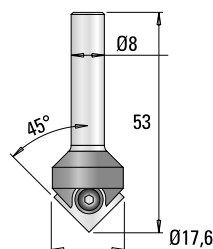
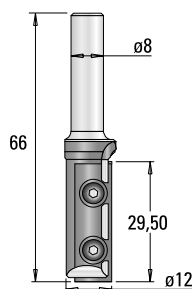
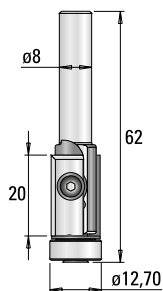
EIN KLEINES WIRTSCHAFTSWUNDER... A LITTLE ECONOMIC MIRACLE...

Bis zu 3-fach höhere Standzeiten! Weitere Informationen auf den Seiten 92/93
Up to a 3-times higher service life! Further Informations on page 92/93

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	36,30

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	6,50

HW-WPL Nutfräser / Straight Bit

D	I	L	S	Best.-Nr./Part No.	Euro
12	29,5	66	8	7900.120.80	35,70

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	7,90

HW-WPL V- Nutfräser / V-Groove Bit

D	I	L	S	Best.-Nr./Part No.	Euro
17,6	45°	53	8	7900.176.80	52,00

HW Ersatzplatten	Replacement Knives	Best.-Nr./Part No.	Euro
HW Wendeplatte 12 x 12 x 1,5	HW turnblade 12 x 12 x 1,5	4200.012.00	1,80

HW-WPL Falzfräser / Super Rebate

D	I	d	S	Best.-Nr./Part No.	Euro
28,6	13,25	9,5	8	7900.286.80	60,50

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	5,60

HW-WPL Hohlkehlfräser / Core Box

D	R	L	S	Best.-Nr./Part No.	Euro
12,7	6	59	8	7900.060.80	41,20

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	9,10

HW WPL Oberfräserprogramm

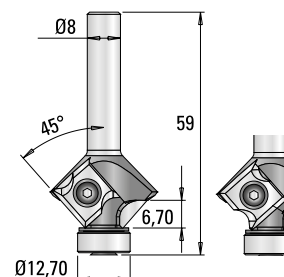
Replaceable Carbide Bits

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	58,70

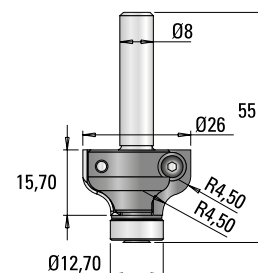
HW Ersatzplatten	Replacement Knives	Best.-Nr./Part No.	Euro
HW Wendeplatte 12 x 12 x 1,5 R2	HW turnblade 12 x 12 x 1,5 R2	7900.012.02	8,20
HW Wendeplatte 12 x 12 x 1,5 R3	HW turnblade 12 x 12 x 1,5 R3	7900.012.03	8,20



HW-WPL Profilfräser / Profile Cutter

D	R	L	S	Best.-Nr./Part No.	Euro
26	4,5/4,5	55	8	7900.245.80	72,20

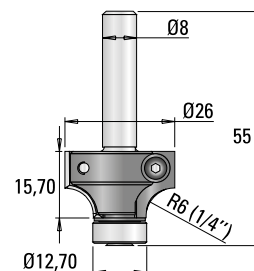
HW Ersatzplatten	Replacement Knives	Best.-Nr./Part No.	Euro
HW Wechselplatte 15,7 x 9 x 1,5 x R4,5	HW knife 15,7 x 9 x 1,5 x R4,5	7900.015.45	9,10



HW-WPL Abrundfräser / Rounding-Over Bit

D	R	L	S	Best.-Nr./Part No.	Euro
26	6	55	8	7900.062.80	60,50

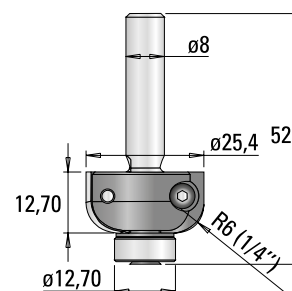
HW Ersatzplatten	Replacement Knives	Best.-Nr./Part No.	Euro
HW Wechselplatte 15,7 x 9 x 1,5 x R6,35	HW knife 15,7 x 9 x 1,5 x R6,35	7900.015.63	9,10



HW-WPL Hohlkehlfraäser / Core Cutter

D	R	d	S	Best.-Nr./Part No.	Euro
25,4	6	12,7	8	7900.061.80	61,10

HW Ersatzplatten	Replacement Knives	Best.-Nr./Part No.	Euro
HW Wechselplatte 12,7 x 9 x 1,5 x R6,35	HW knife 12,7 x 9 x 1,5 x R6,35	7900.120.63	9,10

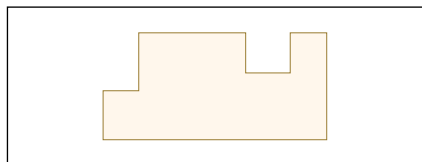
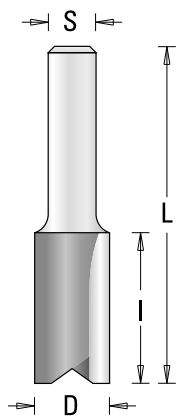


Ersatzteile	Spare parts	Best.-Nr./Part No.	Euro
Spannschraube M3 X 4	clamping screw M3 X 4	7900.003.25	4,80
Schraube M3 SW2 für Lager	screw M3 SW2 for bearing	7900.005.40	3,50
Ring 12 / 4,76	ring 12 / 4,76	7900.012.47	1,40
Ring 8 / 4,76	ring 8 / 4,76	7980.001.00	1,40
Kugellager 9,5 x 4,76	ball bearing 9,5 x 4,76	7050.100.95	7,70
Kugellager 12,7 x 4,76	ball bearing 12,7 x 4,76	7050.100.12	8,90
Kugellager 16 x 8	ball bearing 16 x 8	7050.180.16	8,90
Inbusschlüssel SW 2	allen wrench SW 2	4067.020.00	4,60

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	25,40
2	5	43	6	7520.020.60	25,40
2,5	8	48	6	7520.025.60	25,40
3	11	51	6	7520.030.60	25,60
4	11	51	6	7520.040.60	26,20
5	11	51	6	7520.050.60	26,60
5	16	56	6	7520.051.60	22,00
6	19	51	6	7520.060.60	27,10
6	25	57	6	7520.061.60	25,80
6,5	25	57	6	7520.065.60	26,80
7	19	51	6	7520.070.60	31,10
7	25	57	6	7520.071.60	26,80
8	19	51	6	7520.080.60	27,10
8	25	57	6	7520.082.60	28,20
8,5	19	51	6	7520.085.60	29,20
9	19	51	6	7520.090.60	26,80
10	19	51	6	7520.100.60	27,70
10	25	57	6	7520.102.60	29,70
10	32	64	6	7520.101.60	35,90
11	19	51	6	7520.110.60	27,20
11	25	57	6	7520.111.60	30,60
12	19	51	6	7520.120.60	28,70
12	32	64	6	7520.121.60	36,40
12	25	57	6	7520.122.60	31,10
13	19	51	6	7520.130.60	34,30
13	25	57	6	7520.131.60	31,50
13	32	64	6	7520.132.60	31,80
14	19	51	6	7520.140.60	29,70
15	19	51	6	7520.150.60	32,20
15	25	57	6	7520.151.60	32,10
16	19	51	6	7520.160.60	30,60
16	25	57	6	7520.161.60	32,10
16	32	64	6	7520.162.60	33,40
18	19	51	6	7520.180.60	32,20
19	25	57	6	7520.191.60	35,90
20	19	51	6	7520.200.60	33,80
21	19	51	6	7520.210.60	35,30
22	19	51	6	7520.220.60	35,90
25	19	51	6	7520.250.60	38,30

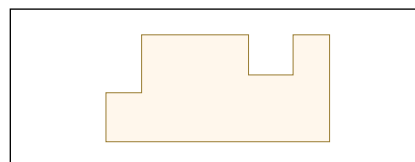
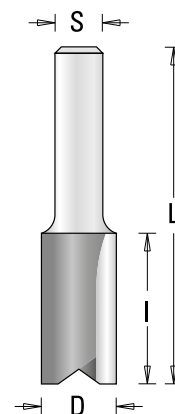
HW-Nutfräser Z2

HW Straight Bit Z2

7520

S = 8 mm

D	I	L	S	Best.-Nr./Part No.	Euro
3	11	51	8	7520.030.80	22,50
4	11	51	8	7520.040.80	23,10
5	11	51	8	7520.050.80	23,60
6	19	57	8	7520.060.80	24,00
6	25	63	8	7520.061.80	25,80
7	19	57	8	7520.070.80	26,00
8	19	57	8	7520.080.80	24,40
8	25	63	8	7520.081.80	34,30
8	25	80	8	7520.082.80	42,00
10	19	51	8	7520.100.80	24,60
10	25	57	8	7520.102.80	29,70
10	32	64	8	7520.101.80	35,90
10	32	80	8	7520.103.80	46,90
11	19	51	8	7520.110.80	27,20
11	25	57	8	7520.111.80	30,60
12	19	51	8	7520.120.80	25,60
12	25	57	8	7520.122.80	31,10
12	32	64	8	7520.121.80	36,40
12	32	80	8	7520.123.80	48,30
13	19	51	8	7520.130.80	29,20
14	19	51	8	7520.140.80	26,60
14	19	70	8	7520.141.80	46,40
14	25	57	8	7520.142.80	29,70
15	19	51	8	7520.150.80	32,20
16	19	51	8	7520.160.80	27,70
16	25	57	8	7520.161.80	32,50
16	25	85	8	7520.162.80	47,80
18	19	51	8	7520.180.80	28,70
18	19	70	8	7520.181.80	50,20
19	19	51	8	7520.190.80	34,00
20	19	51	8	7520.200.80	30,20
20	19	70	8	7520.201.80	49,80
22	19	51	8	7520.220.80	35,90
22	19	70	8	7520.221.80	56,40
24	19	51	8	7520.240.80	38,30
25	19	51	8	7520.250.80	38,30
26	19	51	8	7520.260.80	43,10
28	19	51	8	7520.280.80	43,50

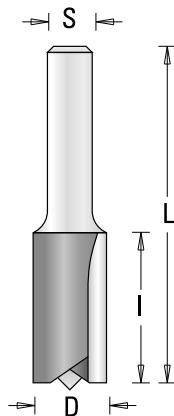


Gmax
EXTENDED LIFE

7523

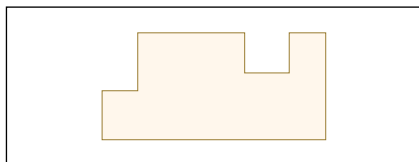
HW-Nutfräser Z2 mit Bohrschneide

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	22,50
4	11	51	8	7520.040.80	23,10
5	11	51	8	7520.050.80	23,60
6	19	57	8	7520.060.80	24,00
7	15	55	8	7523.070.80	35,20
8	20	55	8	7523.080.80	32,20
8	30	90	8	7523.081.80	37,70
9	20	55	8	7523.090.80	43,00
10	20	60	8	7523.100.80	36,90
10	30	90	8	7523.101.80	40,50
11	20	60	8	7523.110.80	44,00
12	20	60	8	7523.120.80	38,90
12	30	90	8	7523.121.80	42,50
13	20	60	8	7523.130.80	47,60
14	20	60	8	7523.140.80	39,90
14	30	90	8	7523.141.80	44,90
15	20	70	8	7523.150.80	40,90
16	20	70	8	7523.160.80	41,40
16	30	90	8	7523.161.80	47,10
18	19	70	8	7523.180.80	43,00
20	19	70	8	7523.200.80	44,50
22	16	70	8	7523.220.80	52,70
24	16	70	8	7523.240.80	53,80
25	16	70	8	7523.250.80	55,20
26	16	70	8	7523.260.80	57,90
28	16	70	8	7523.280.80	63,50
30	16	70	8	7523.300.80	66,50



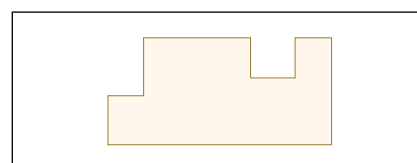
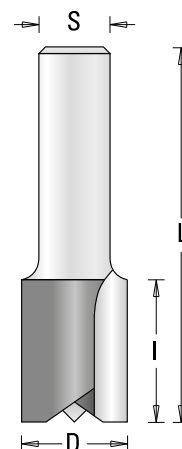
HW-Nutfräser Z2 mit Bohrschneide

HW Straight Bit Z2 with Center Tip

7530

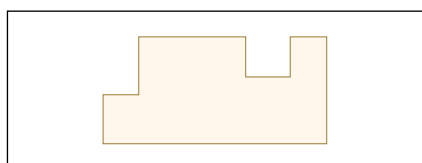
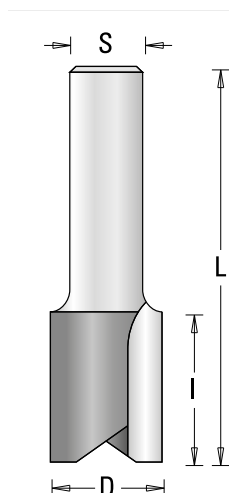
S = 10 mm

D	I	L	S	Best.-Nr./Part No.	Euro
4	11	49	10x35	7530.004.00	30,20
5	12	49	10x35	7530.005.00	30,60
6	14	53	10x35	7530.006.00	32,80
7	15	55	10x35	7530.007.00	34,80
8	20	60	10x35	7530.008.00	38,40
9	20	60	10x35	7530.009.00	39,90
10	23	70	10x47	7530.010.00	41,40
10	40	97	10x50	7530.010.10	52,20
12	23	70	10x47	7530.012.00	44,50
12	40	97	10x50	7530.012.10	52,70
14	23	70	10x47	7530.014.00	47,10
14	40	97	10x50	7530.014.10	54,20
15	25	70	10x35	7530.015.00	50,10
16	25	70	10x35	7530.016.00	51,20
16	45	97	10x50	7530.016.10	54,20
18	25	70	10x35	7530.018.00	53,80
18	45	97	10x50	7530.018.10	58,30
20	25	70	10x35	7530.020.00	55,70
20	45	97	10x50	7530.020.10	63,90
22	25	70	10x35	7530.022.00	59,80
24	25	70	10x35	7530.024.00	66,50
26	25	70	10x35	7530.026.00	75,10
30	25	70	10x35	7530.030.00	84,40



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	26,30
5	11	60	12	7534.005.11	26,30
6	19	64	12	7534.006.19	26,80
7	19	63	12	7534.007.19	26,30
8	19	63	12	7534.008.19	29,20
8	25	69	12	7534.008.25	32,10
10	19	63	12	7534.010.19	30,20
10	25	69	12	7534.010.25	33,10
10	32	76	12	7534.010.32	34,00
12	25	66	12	7534.012.25	33,10
12	32	73	12	7534.012.32	34,90
12	38	79	12	7534.012.38	39,20
12	51	108	12	7534.012.51	50,20
13,5	32	73	12	7534.135.32	36,80
14	25	66	12	7534.014.25	33,40
15	25	66	12	7534.015.25	35,30
16	25	66	12	7534.016.25	34,40
16	32	73	12	7534.016.32	35,90
16	38	79	12	7534.016.38	39,20
16,7	32	73	12	7534.167.32	37,70
17	32	73	12	7534.017.32	36,90
18	32	73	12	7534.018.32	39,20
18	51	92	12	7534.018.51	67,90
19	25	66	12	7534.019.25	37,70
19	32	73	12	7534.019.32	39,20
19	38	79	12	7534.019.38	42,70
19,8	32	73	12	7534.198.32	46,90
20	25	66	12	7534.020.25	39,10
20	32	73	12	7534.020.32	41,20
20	51	92	12	7534.020.51	72,60
22	25	66	12	7534.022.25	41,60
22	32	73	12	7534.022.32	43,90
22	51	92	12	7534.022.51	78,00
24	19	60	12	7534.024.19	37,30
25	25	66	12	7534.025.25	44,90
25	32	73	12	7534.025.32	46,40
27	32	73	12	7534.027.32	59,40
28,6	32	73	12	7534.286.32	66,70
30	25	66	12	7534.030.25	54,40
30	32	73	12	7534.030.32	59,40
35	25	66	12	7534.035.25	57,40
40	25	66	12	7534.040.25	65,00
40	32	73	12	7534.040.32	79,80
51	32	73	12	7534.051.32	113,20

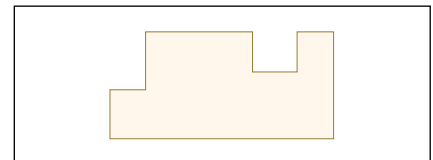
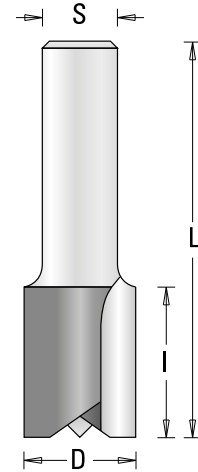
HW-Nutfräser Z2 mit Bohrschneide

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	47,60
12	35	90	12	7535.012.00	49,10
12	45	90	12	7535.012.10	56,70
12	51	108	12	7535.012.15	59,40
13,2	35	85	12	7535.013.00	52,00
14	35	90	12	7535.014.00	51,70
14	50	100	12	7535.141.12	68,50
15	35	85	12	7535.015.00	53,10
16	35	90	12	7535.016.00	54,80
16	60	100	12	7535.161.12	71,00
18	35	90	12	7535.018.00	58,30
18	45	90	12	7535.181.12	63,50
20	35	90	12	7535.020.00	62,80
20	45	90	12	7535.201.12	69,10
22	35	90	12	7535.022.00	74,10
24	35	90	12	7535.024.00	75,80
30	35	90	12	7535.300.12	92,60



Gmax
EXTENDED LIFE

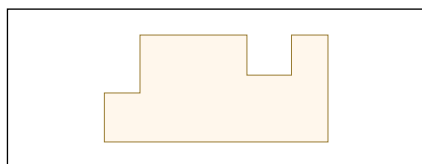
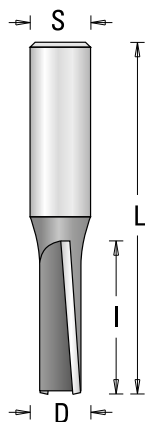
7536

**HW-Nutfräser ziehender
Schnitt einbohrfähig Z2**

**HW Straight Bit –
Shear Angle Z2**

S = 12 mm

D	I	L	S	Best.-Nr./Part No.	Euro
9,5	25,4	70	12	7536.025.12	44,70
12,7	31,8	73	12	7536.031.12	47,80
12,7	38	79	12	7536.038.12	53,40
12,7	50,8	107	12	7536.050.12	69,00



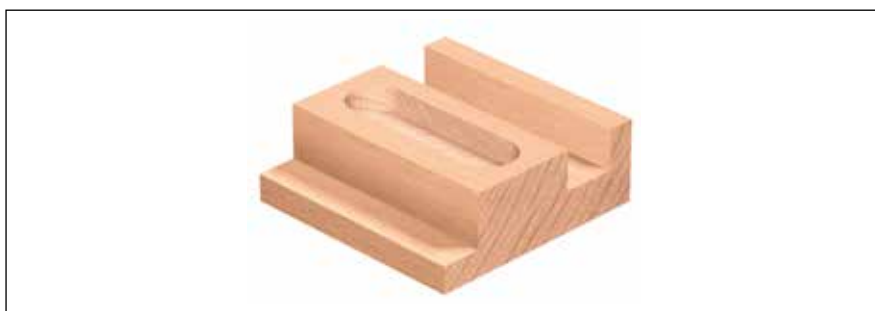
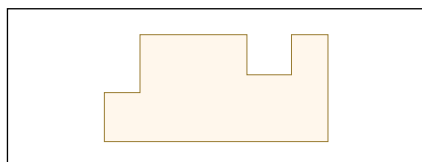
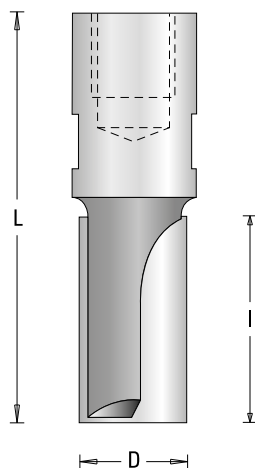
7540

**HW-Nutfräser mit
Bohrschneide Z2**

**HW Straight Bit Z2 with
Center Tip**

Innengewinde = M 10 / inside thread M10

D	I	L	M	Best.-Nr./Part No.	Euro
5	12	50	10	7540.005.00	37,40
6	14	55	10	7540.006.00	38,90
8	20	55	10	7540.008.00	40,90
9	20	55	10	7540.009.00	46,00
10	23	55	10	7540.010.00	44,00
12	23	55	10	7540.012.00	45,50
14	25	55	10	7540.014.00	46,00
15	25	55	10	7540.015.00	50,70
16	25	55	10	7540.016.00	50,10
18	25	55	10	7540.018.00	52,20
20	25	55	10	7540.020.00	54,80
22	25	55	10	7540.022.00	60,30
24	25	55	10	7540.024.00	63,90
25	25	55	10	7540.025.00	65,00
30	25	55	10	7540.030.00	78,80



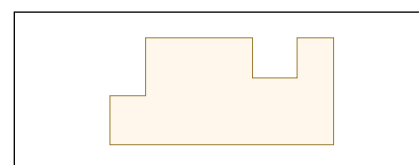
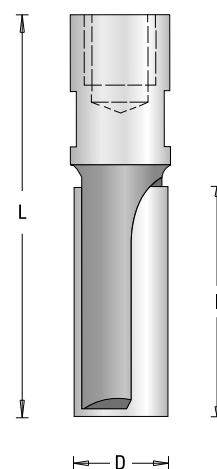
HW-Nutfräser mit Bohrschneide Z2

HW Straight Bit Z2 with Center Tip

7545

Innengewinde = M 10 / inside thread = M10

D	I	L	M	Best.-Nr./Part No.	Euro
8	35	67	10	7545.008.00	50,10
10	35	67	10	7545.010.00	50,70
12	35	65	10	7545.012.00	55,20
14	35	65	10	7545.014.00	56,70
16	45	75	10	7545.016.00	62,40
18	45	75	10	7545.018.00	66,90
20	45	75	10	7545.020.00	71,00
22	45	75	10	7545.022.00	76,70



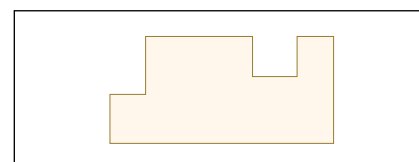
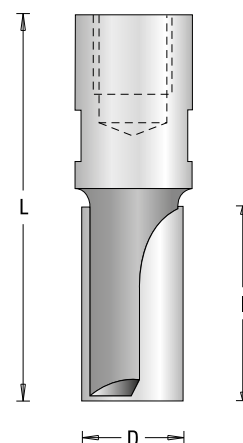
HW-Nutfräser mit Bohrschneide Z2

HW Straight Bit Z2 with Center Tip

7550

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

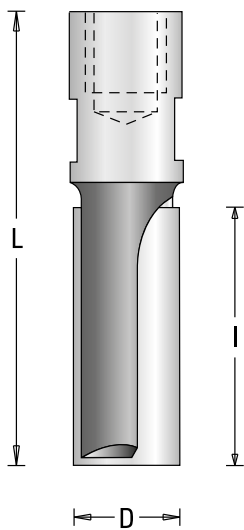
D	I	L	M	Best.-Nr./Part No.	Euro
8	20	60	12x1	7550.008.00	41,90
10	23	60	12x1	7550.010.00	44,00
12	23	60	12x1	7550.012.00	47,10
14	23	60	12x1	7550.014.00	48,00
15	25	60	12x1	7550.015.00	52,20
16	25	60	12x1	7550.016.00	51,20
18	25	60	12x1	7550.018.00	54,20
20	25	60	12x1	7550.020.00	56,30
22	25	60	12x1	7550.022.00	60,90
24	25	60	12x1	7550.024.00	65,50
25	25	60	12x1	7550.025.00	70,00
30	25	60	12x1	7550.030.00	80,70
34	25	60	12x1	7550.034.00	91,50
35	20	60	12x1	7550.035.00	95,20



7555

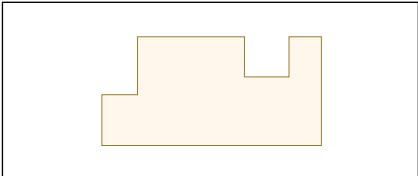
HW-Nutfräser mit
Bohrschneide Z2

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	53,20
10	35	67	12x1	7555.010.35	56,30
12	35	67	12x1	7555.012.35	63,50
12	45	77	12x1	7555.012.45	65,50
14	35	67	12x1	7555.014.35	66,00
14	60	92	12x1	7555.014.60	72,60
15	45	77	12x1	7555.015.45	78,20
16	35	67	12x1	7555.016.35	62,40
16	45	77	12x1	7555.016.45	66,90
16	60	92	12x1	7555.016.60	74,70
18	35	67	12x1	7555.018.35	66,50
18	45	77	12x1	7555.018.45	70,00
18	60	92	12x1	7555.018.60	77,70
20	35	67	12x1	7555.020.35	70,00
20	45	77	12x1	7555.020.45	74,10
20	60	92	12x1	7555.020.60	88,50
22	35	67	12x1	7555.022.35	74,70
22	60	92	12x1	7555.022.60	108,30



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	95,60
14*	30	77	12	1	6217.140Z30	96,10
15*	30	77	12	1	6217.150Z30	96,50
16	30	88	12	2	6217.160Z30	93,00
18	30	88	12	2	6217.180Z30	95,60
20	30	88	12	2	6217.200Z30	97,90
22	30	88	12	2	6217.220Z30	100,20
16	50	107	12	3	6217.160Z50	109,80
18	50	107	12	3	6217.180Z50	112,90
20	50	107	12	3	6217.200Z50	116,90

Abb./fig. 1

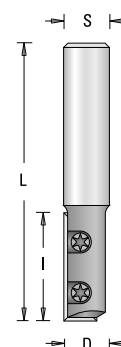


Abb./fig. 2

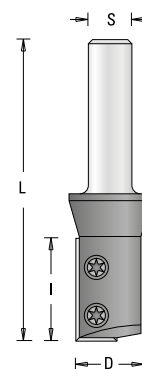
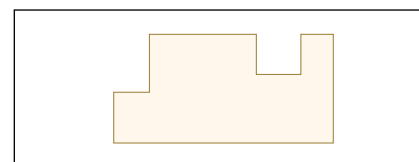
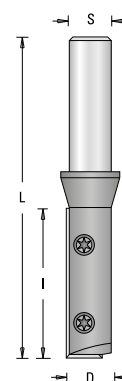


Abb./fig. 3



Ersatzmesser	Replacement knives	Best.-Nr./Part No.	Euro
HW-Wendeplatte 30x9x1,5*	HW Turn Blade 30x9x1,5*	6233.030.00	7,90
HW-Wendeplatte 30x12x1,5	HW Turn Blade 30x12x1,5	6419.030.00	6,70
HW-Wendeplatte 50x12x1,5	HW Turn Blade 50x12x1,5	6419.050Z00	10,20

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Torx-Spannschraube M 3,5x4,8	Torx-Lock-Screw M 3,5x4,8	6233.000.10	1,90
Torx-Schlüssel (T15)	Torx-Key (T15)	7050.400.00	5,60



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	99,80
10	20	70	1	12	1, 6, 19, 20	7950.100Z12	99,80
12	30	80	1+1	8	2, 4, 7, 14, 17	7950.120Z80	101,70
12	30	80	1+1	12	2, 4, 7, 14, 17	7950.120Z12	101,70
14	30	80	1+1	8	2, 4, 7, 15, 17	7950.140Z80	107,70
14	30	80	1+1	12	2, 4, 7, 15, 17	7950.140Z12	107,70
16	30	81	1+1	12	2, 5, 11, 15, 13, 18	7950.160Z12	111,30
16	50	101	1+1	12	3, 5, 12, 15, (2x)13, 18	7950.161Z12	117,40
18	30	80	1+1	12	2, 4, 9, 15, 18	7950.180Z12	111,30
20	30	81	1+1	12	2, 5, 10, 15, 18	7950.200Z12	116,20
22	30	81	1+1	12	2, 5, 10, 15, 16, 18	7950.220Z12	118,60
24	30	81	1+1	12	2, 5, 10, 15, 16, 18	7950.240Z12	123,40
26	30	81	1+1	12	2, 5, 10, 15, 16, 18	7950.260Z12	137,90

Ersatzteile	Spare Parts		Nr.	Best.-Nr./Part No.	Euro
HW-Wendeplatte	HW Turnblade	20 x 5,5 x 1,1	1	4200.120.11	5,10
HW-Wendeplatte	HW Turnblade	30 x 5,5 x 1,1	2	4200.130.11	5,50
HW-Wendeplatte	HW Turnblade	50 x 5,5 x 1,1	3	4200.150.11	5,80
Einbohrschneide	Plunging knife	7,5 x 12 x 1,5	4	4200.008.00	1,70
Einbohrschneide	Plunging knife	12 x 12 x 1,5	5	4200.012.00	1,80
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	1,90
Torx-Spannschraube	Torx lock screw	M 3 x 4	14	6243.000Z10	2,40
Torx-Spannschraube	Torx lock screw	M 3,5 x 6	15	7950.035.06	***
Torx-Spannschraube	Torx lock screw	M 3,5 x 8	16	7950.035.08	***
Torx-Schlüssel	Torx key	T 9	17	3020.000.10	6,60
Torx-Schlüssel	Torx key	T 15	18	7050.400.00	5,60
Spannschraube	Lock screw	M 2 x 3 SW 1,5	19	7950.002.03	***
Inbusschlüssel	Allen key	SW 1,5	20	7050.150.00	8,30

*** Preis auf Anfrage

*** Price upon request

HW-WPL-Oberfräser Z2

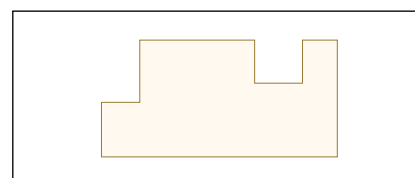
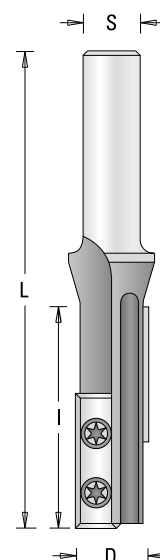
HW Router Cutter Z2

7960

D	I	L	S	Best.-Nr./Part No.	Euro
16*	50	107	12	7960.161Z12	137,00
18	50	107	12	7960.181Z12	140,70
20	50	107	12	7960.201Z12	145,90

Ersatzmesser	Replacement knives	Best.-Nr./Part No.	Euro
HW-Wendeplatte 30x9x1,5*	HW Turn Blade 30x9x1,5	6233.030.00	7,90
HW-Wendeplatte 30x12x1,5	HW Turn Blade 30x12x1,5	6419.030.00	6,70

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Torx-Spannschraube M 3,5x4,8	Torx-Lock-Screw M 3,5x4,8	6233.000.10	1,90
Torx-Spannschraube M 4x5,6	Torx-Lock-Screw M 4x5,6	7050.400.12	1,40
Torx-Schlüssel (T15)	Torx-Key (T15)	7050.400.00	5,60



HW-WPL-Falz- und Planfräser Z2

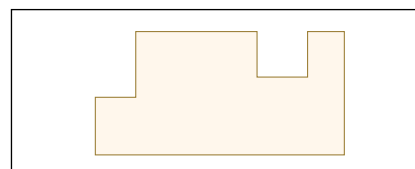
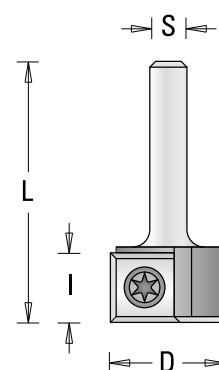
HW Rebating and Planing Cutter Z2

7526

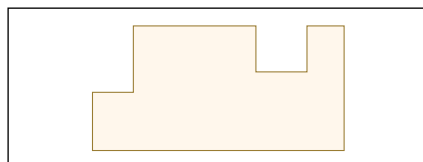
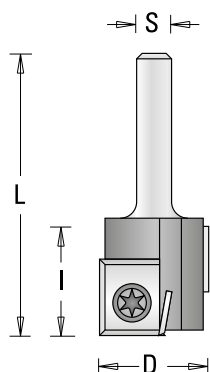
D	I	L	S	Best.-Nr./Part No.	Euro
18	12	44	8	7526.180.80	81,00
20	12	44	8	7526.200.80	83,70
20	12	50	12	7526.200.12	83,70
22	12	50	12	7526.220.12	88,40

Ersatzmesser	Replacement knives	Best.-Nr./Part No.	Euro
HW-Wendeplatte 12x12x1,5	HW-Turn Blade 12x12x1,5	4200.012.00	1,80

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Torx-Spannschraube M 4x5,6	Torx-Lock-Screw M 4x5,6	7050.400.12	1,40
Torx-Schlüssel (T15)	Torx-Key (T15)	7050.400.00	5,60



7909



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

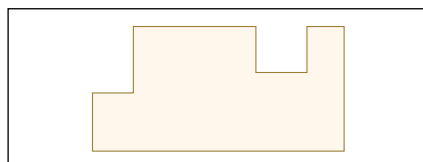
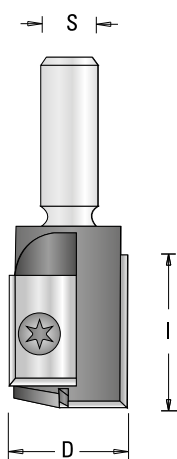
D	I	L	S	Best.-Nr./Part No.	Euro
18	20	52	8	7909.180.80	96,20
20	20	52	8	7909.200.80	101,70
22	20	52	8	7909.220.80	104,90
22	20	60	12	7909.220.12	104,90

Ersatzmesser	Replacement knives	Best.-Nr./Part No.	Euro
HW-Wendeplatte 12x12x1,5	HW-Turn Blade 12x12x1,5	4200.012.00	1,80

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Torx-Spannschraube M 4x5,6	Torx-Lock-Screw 4x5,6	7050.400.12	1,40
Torx-Schlüssel (T15)	Torx-Key (T15)	7050.400.00	5,60



7910



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

D	I	S	Best.-Nr./Part No.	Euro
16	30	8	7910.160.80	96,10
18	30	8	7910.180.80	98,10
20	30	8	7910.200.80	101,70
22	30	8	7910.220.80	104,80

Ersatzmesser	Replacement knives	Best.-Nr./Part No.	Euro
HW-Wendeplatte 20x12x1,5	HW Turn Blade 20x12x1,5	4200.020.00	2,10
HW-Wendeplatte 30x12x1,5	HW Turn Blade 30x12x1,5	6419.030.00	6,70

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Torx-Spannschraube Großkopf M4x5,9 (T15)	torx-lock-screw M4x5,9	7050.400.10	1,40
Torx-Schraubendreher T15	torx-screw-driver T15	7050.400.00	5,60



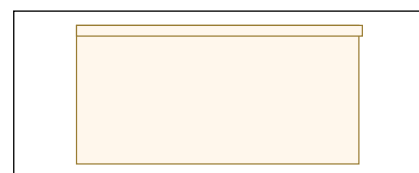
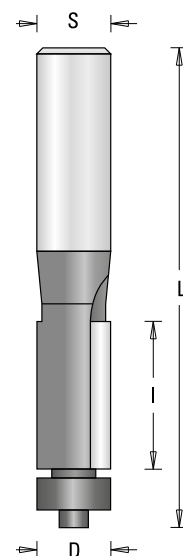
HW-Bündigfräser Z2 mit Anlauflager

D	I	Z	L	S	Best.-Nr./Part No.	Euro
12,7	12,7	2	55	6	7810.127.60	43,00
12,7	25	2	66	6	7810.128.60	46,70
22	16	2	63	6	7810.220.60	54,80
12,7	12,7	2	55	8	7810.127.80	43,00
12,7	25	2	66	8	7810.128.80	46,70
22	16	2	63	8	7810.220.80	48,60
12,7	38	2	98	12	7810.129.12	42,30
12,7	51	2	107	12	7810.130.12	60,20

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	8,90
Inbusschraube Nr. 2	Allen screw no. 2	7980.000.02	1,40
Sicherungsring Nr. 1	safety ring no 1.	7980.001.00	1,40

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	10,90
Inbusschraube Nr. 1	Allen screw no. 1	7980.000.01	1,40
Sicherungsring Nr. 1	safety ring no 1.	7980.001.00	1,40

7810



Gmax
EXTENDED LIFE

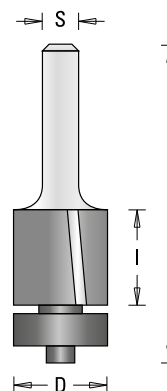
HW-Bündigfräser Z2 ziehend, mit Anlauflager

D	I	L	S	Best.-Nr./Part No.	Euro
16	16	60	8	7812.160.80	34,40
19	16	64	8	7812.191.80	35,30
19	25,4	75	8	7812.192.80	39,50
19	38,1	98,4	12	7812.191.12	64,70
19	50,8	108	12	7812.192.12	75,00

Ersatzteile	Spare parts	Best.-Nr./Part No.	Euro
Kugellager 16 x 5	Ball Bearing 16 x 5	7050.100.14	8,90
Kugellager 19 x 6,35	Ball Bearing 19 x 6,35	7050.100.19	8,90

HW Trimming Cutter Z2 – Shear Angle with Ball Bearing

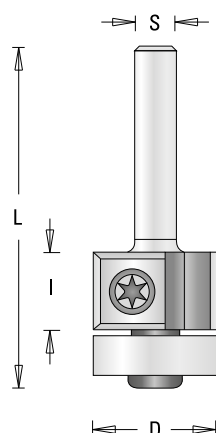
7812



Gmax
EXTENDED LIFE



7920



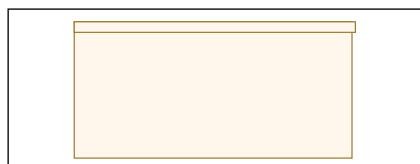
HW-WPL-Bündigfräser Z2 mit Anlauflager

D	I	S	Best.-Nr./Part No.	Euro
22	12	6	7920.220.60	86,50
22	20	6	7920.221.60	105,90
19	30	8	7920.190.80	90,60
22	12	8	7920.220.80	77,20
22	20	8	7920.221.80	79,30
19	30	12	7920.190Z12	105,40
19	50	12	7920.191.12	133,90

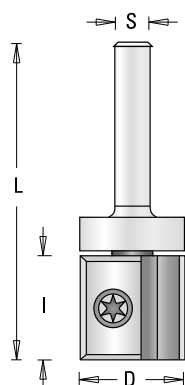
HW Trimming Cutter with Ball Bearing

Ersatzwendeplatten	Replacement knives	B	H	St	Best.-Nr./Part No.	Euro
HW-Räumerplatte	HW rakerblade	12	12	1,5	4200.012.00	1,80
HW-Wendeplatte	HW turnblade	20	12	1,5	4200.020.00	2,10
HW-Wendeplatte	HW turnblade	30	12	1,5	4200.030.00	2,90
HW-Wendeplatte 4-seitig	HW turnblade 4 sided	50	12	1,7	6419.050.00	7,80

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager ø 22,0 d7	ball bearing ø 22,0 d7	7050.100.22	10,90
Kugellager ø 19,0 d6	ball bearing ø 19,0 d6	7050.101.19	8,80
Spannmutter M6	clamping nut M6	7050.300.06	1,80
Torx-Spannschr. M4x5,9 für Lager	torx-lock-screw M4x5,9 for bearing	7050.400.10	1,40
Torx-Schlüssel (T15)	torx-key (T15)	7050.400.00	5,60



7925



HW-WPL-Bündigfräser Z2 mit Anlauflager, schaftseitig

D	I	S	Best.-Nr./Part No.	Euro
22*	20	8	7925.220.80	91,50

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	4200.020.04	4,90

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager ø 22,0 d8	ball bearing ø 22,0 d8	7050.180.22	10,90
Torx-Spannschraube Großkopf M4x5,9 (T15)	torx-lock-screw M4x5,9	7050.400.10	1,40
Torx-Schraubendreher T15	torx-screwdriver T15	7050.400.00	5,60

*nicht bohrfähig / not boring

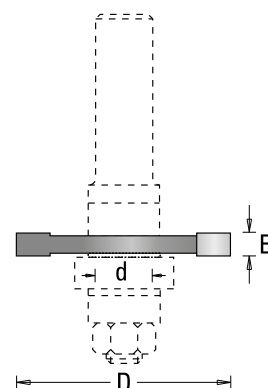


HW-Nutsäge Z2

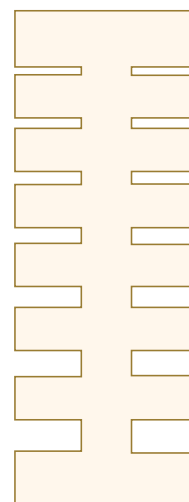
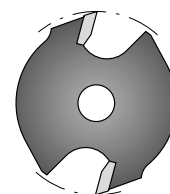
HW Grooving saw Z2

7580

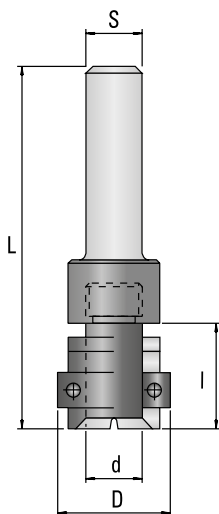
D	B	d	Best.-Nr./Part No.	Euro
40	1,5	6	7580.015.60	23,90
40	1,6	6	7580.016.60	23,30
40	1,8	6	7580.018.60	23,30
40	2,0	6	7580.020.60	23,30
40	2,2	6	7580.022.60	23,60
40	2,5	6	7580.025.60	23,60
40	2,8	6	7580.028.60	24,00
40	3,0	6	7580.030.60	24,00
40	3,5	6	7580.035.60	24,80
40	4,0	6	7580.040.60	24,80
40	5,0	6	7580.050.60	26,60
40	6,0	6	7580.060.60	29,20
50	2,5	6	7580.250.60	29,70
40	1,5	6,35	7580.015.63	23,90
40	1,6	6,35	7580.016.63	23,30
40	1,8	6,35	7580.018.63	23,30
40	2,0	6,35	7580.020.63	23,30
40	2,2	6,35	7580.022.63	23,60
40	2,5	6,35	7580.025.63	23,60
40	2,8	6,35	7580.028.63	24,00
40	3,0	6,35	7580.030.63	24,00
40	3,5	6,35	7580.035.63	24,80
40	4,0	6,35	7580.040.63	24,80
40	5,0	6,35	7580.050.63	26,60
40	6,0	6,35	7580.060.63	29,20
50	2,5	6,35	7580.250.63	29,70
40	1,5	8	7580.015.80	20,50
40	1,6	8	7580.016.80	20,50
40	1,8	8	7580.018.80	20,50
40	2,0	8	7580.020.80	20,50
40	2,2	8	7580.022.80	20,90
40	2,5	8	7580.025.80	20,90
40	2,8	8	7580.028.80	21,50
40	3,0	8	7580.030.80	21,50
40	3,5	8	7580.035.80	22,10
40	4,0	8	7580.040.80	22,10
40	5,0	8	7580.050.80	23,60
40	6,0	8	7580.060.80	26,20
50	2,5	8	7580.250.80	29,70



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).

Erklärung zu Abbildung A – E:

A = Schraubenkopf versenkt, bei Verwendung mit Nutsägen 7583

B = dito mit Anlauflager oben

C = bei Verwendung ohne Anlauflager mit Nutsägen 7580

D = dito mit Anlauflager oben

E = dito mit Anlauflager unten

Arbor / Grooving Cutter

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

Explanation of figure A – E:

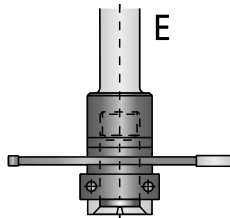
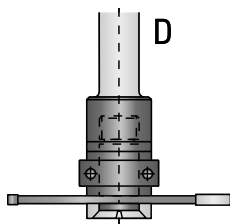
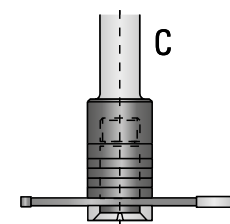
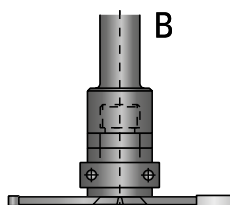
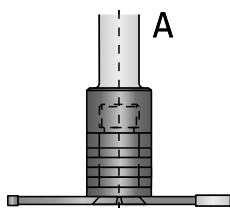
A = screwhead countersunk in grooving saw 7583

B = ditto with guide bearing above;

C = mounting 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	47,20
22	8	15	55	8	B D E	7583.081Z80	42,40

Kugellager / Ball bearing

D	d	Best.-Nr./Part No.	Euro
16	8	7050.180.16	8,90
22	8	7050.180.22	10,90

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	39,90

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	39,60
40	2,5	8	7583.025.80	41,60
40	3,0	8	7583.030.80	42,40
40	3,5	8	7583.035.80	43,70
40	4,0	8	7583.040.80	42,20
40	5,0	8	7583.050.80	43,50

Fräsdorn

Arbor

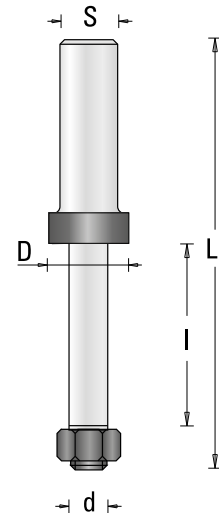
7585

D	I	L	d	S	Best.-Nr./Part No.	Euro
16	4	53	8	6	7585.080.60	12,80
16	4	53	6	8	7585.060.80	12,80
16	4	53	8	8	7585.080.80	11,30

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Spannmutter M 6	lock nut M6	7050.300.06	1,80
Spannmutter M 8	lock nut M8	7050.300.08	1,80

Alle Fräsdorne sind mit Ringen zum Spannen der Nutsägen.

Tension rings are included

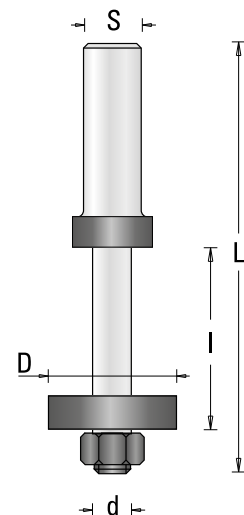


Aufnahmedorn mit Anlauf-Kugellager + Zwischenringe

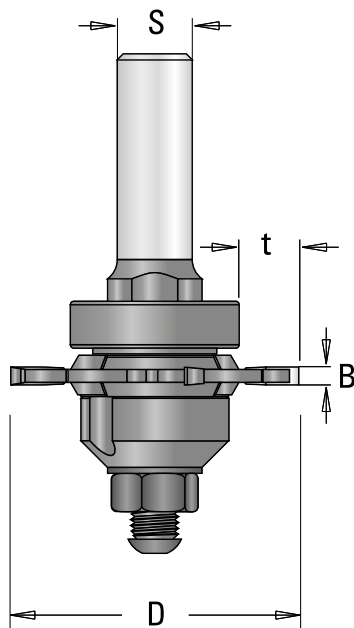
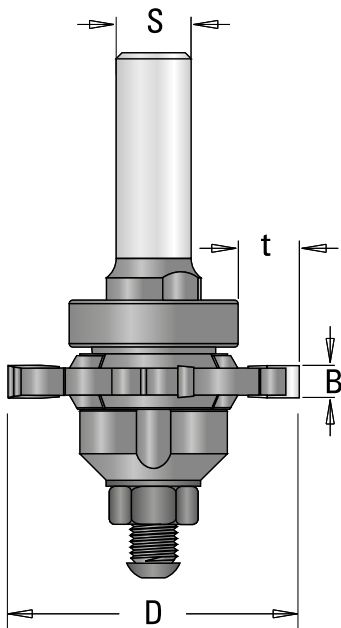
Arbor with Ball Bearing Guide + Spacers

7582

D	I	L	d	S	Best.-Nr./Part No.	Euro
16	12	57	6	8	7582.060Z80	24,90
15,9	12	58	6,35	8	7582.063Z80	24,80
16	13,4	63,5	8	8	7582.080Z80	26,10



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	150,50
50	83	5,5 – 10,0	10,7	8	7584.551.80	160,70
50	85	3,0 – 5,5	10,7	12	7584.305.12	150,50
50	89	5,5 – 10,0	10,7	12	7584.551.12	160,70

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager 28,6 x 12,7	ball bearing 28,6 x 12,7	7050.100.28	4,90



HW-Falzfräser Z2 mit Anlauflager d = 12,7

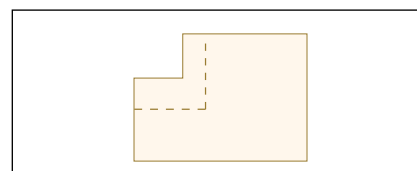
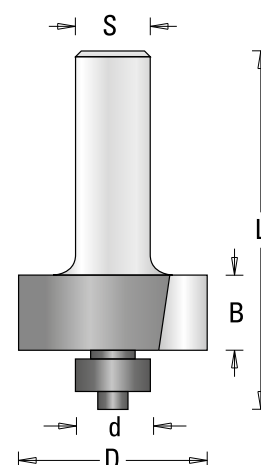
D	B	d	S	Best.-Nr./Part No.	Euro
31,8	12,7	12,7	8	7710.318Z80	55,40
35	12,7	12,7	8	7710.350Z80	55,00
31,8	12,7	12,7	12	7710.318Z12	55,40
35	12,7	12,7	12	7710.350Z12	57,60

Ersatzteile	Spare parts	Best.-Nr./Part No.	Euro
Kugellager Ø 12,7 x 4,76	ball bearing Ø 12,7 x 4,76	7050.100.12	8,90
Inbusschraube Nr. 2	allen screw no. 2	7980.000.02	1,40



HW Rebate Cutter with Ball Bearing d = 12,7

7710



HW-WPL-Falz- und Planfräser Z2

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

D	B	S	Best.-Nr./Part No.	Euro
30	12	8	7525.300.80	76,30

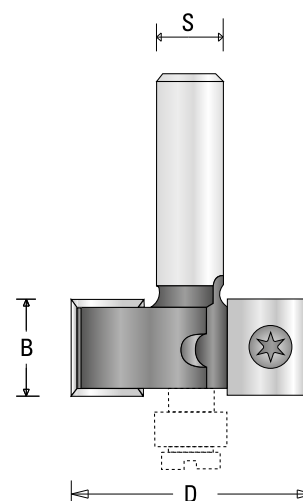
Ersatzwendeplatten	Replacement knives	Best.-Nr./Part No.	Euro
HW-Räumerplatte 12x12x1,5	HW racer knife 12x12x1,5	4200.012.00	1,80

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Torx-Spannschraube M4x5,9 (T15)	torx-lock-screw M4x5,9 (T15)	7050.400.10	1,40
Torx-Schraubendreher T15	torx-screwdriver T15	7050.400.00	5,60

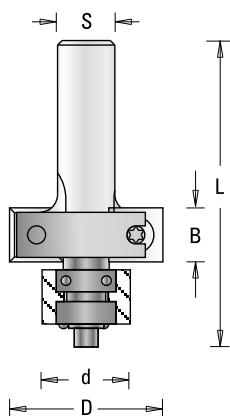
HW Rebating and Recessing Cutter Z2

- 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

7525



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	164,90

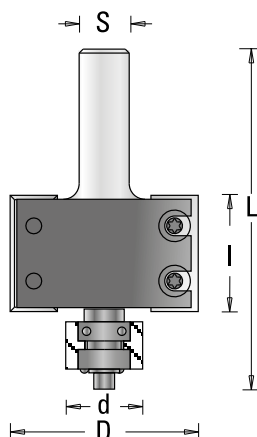
Ersatzmesser	Replacement knives	Best.-Nr./Part No.	Euro
HW-Wendeplatte 12x12x1,5	HW turnblade 12x12x1,5	4200.012.00	1,80

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager 12,7x6,35x4,9	ball bearing 12,7x6,35x4,9	7050.101.12	8,90
Unterlegscheibe 7,5x3,25x1	washer 7,5x3,25x1	7527.001.00	0,90
Distanzring 9,5x6,5x2,2	distance ring 9,5x6,5x2,2	7527.010.00	1,00
Schraube für Lagerbefestigung M3	screw M3	7527.000.15	1,00
Torx-Spannschraube M 4x5,6	torx-lock-screw M 4x5,6	7050.400.12	1,40
Torx-Schlüssel (T15)	torx-key (T15)	7050.400.00	5,60

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	212,30

Ersatzmesser	Replacement knives	Best.-Nr./Part No.	Euro
HW-Wendeplatte 29,5x12x1,5	HW turnblade 29,5x12x1,5	6419.030.00	6,70

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager 12,7x6,35	ball bearing 12,7x6,35	7050.101.12	8,90
Unterlegscheibe 7,5x3,25x1	washer 7,5x3,25x1	7527.001.00	0,90
Distanzring 9,5x6,5x2,2	distance ring 9,5x6,5x2,2	7527.010.00	1,00
Schraube für Lagerbefestigung M3	screw M3	7527.000.15	1,00
Torx-Spannschraube M 4x5,6	torx-lock-screw M 4x5,6	7050.400.12	1,40
Torx-Schlüssel (T15)	torx-key (T15)	7050.400.00	5,60

Anlaufringe / Selection of Rings

Ring Ø	für / for t =	Best.-Nr./Part No.	Euro
14,3	18,2	7528.143.18	6,60
15,9	17,4	7528.159.17	6,60
19	15,9	7528.190.16	6,60
20,6	15,1	7528.206.15	6,60
22,2	14,3	7528.222.14	6,60
25,4	12,7	7528.254.13	6,60
27	11,9	7528.270.12	7,40
28,6	11,1	7528.286.11	7,40
31,7	9,5	7528.317.95	7,40
32,5	9,1	7528.325.91	7,40
34,9	7,9	7528.349.79	7,40
38,1	6,3	7528.381.63	7,90
38,9	5,9	7528.389.59	7,90
41,3	4,7	7528.413.47	7,90
44,4	3,2	7528.444.32	7,90
47,6	1,6	7528.476.16	7,90

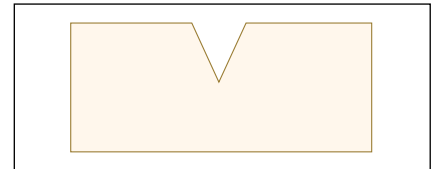
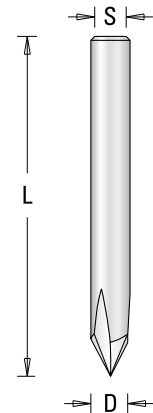
14,3	22,2
15,9	25,4
19,0	27,0
20,6	28,6
31,7	38,9
32,5	41,3
34,9	44,4
38,1	47,6

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	69,50

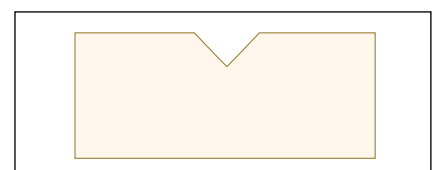
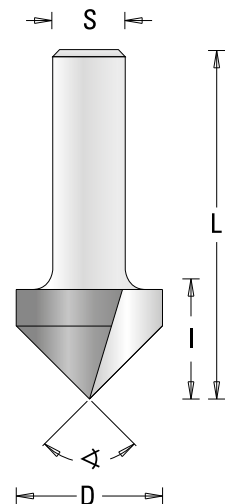


HW-V-Nutfräser Z2

V Groove Bit Z2

7605

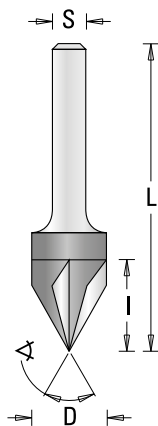
D	I	L		S	Best.-Nr./Part No.	Euro
16	12,7	41,3	90°	6	7605.160Z60	47,00
9,5	11	45	90°	8	7605.095Z80	29,30
12,7	16	47,5	60°	8	7605.127Z80	29,80
12,7	12,7	44	90°	8	7605.129Z80	29,80
16	12,7	45	90°	8	7605.160Z80	47,00
19,1	16	48	90°	8	7605.191Z80	51,10
25,4	19,1	51	90°	8	7605.254Z80	56,20
9,5	11	52	90°	12	7605.095Z12	29,30
16	12,7	56	90°	12	7605.160Z12	47,00
19,1	16	54	90°	12	7605.191Z12	51,10
25,4	19,1	57	90°	12	7605.254Z12	56,20
31,8	25,4	63,5	90°	12	7605.318Z12	70,20
38,1	31,8	70	90°	12	7605.381Z12	78,10
51	44,5	83	90°	12	7605.510Z12	173,30



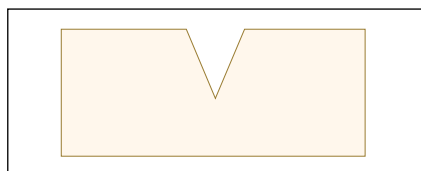
7600

HS / HW V-Nutfräser

HS / HW V Groove Bit



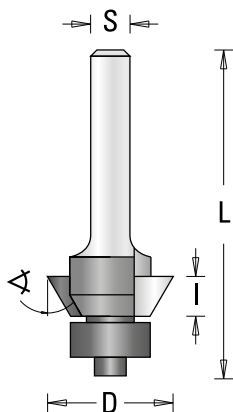
	D	Z	S		Best.-Nr./Part No.	Euro
HW	14	3	8	60°	7600.140Z80	73,00



7713

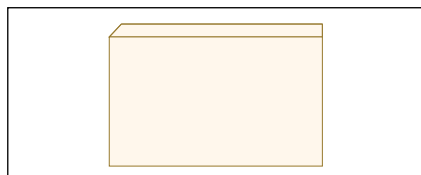
**HW-Fasefräser Z2
mit Anlauflager**

**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	25,60
19,1	6,3	53	12,7	25°	8	7713.191.80	25,60

Ersatzteile	Spare parts	Best.-Nr./Part No.	Euro
Kugellager Ø 12,7 x 4,76	ball bearing Ø 12,7 x 4,76	7050.100.12	8,90



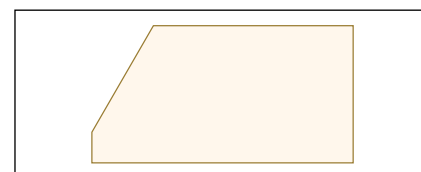
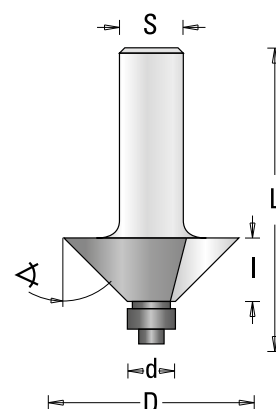
HW-Fasefräser Z2 mit Anlauflager

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	43,20
31,8*	12,7	60	45°	9,5	12	7714.318.12	43,20
34,9	20,6	71	30°	12,7	12	7714.349.12	45,50
50,8	19,1	69	45°	12,7	12	7714.508.12	138,40
60,5	25,4	74	45°	12,7	12	7714.605.12	143,10
76,2	25,4	80	45°	25,4	12	7714.762.12	152,70

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	8,90
Kugellager Ø 25,4 x 6,3	ball bearing Ø 25,4 x 6,3	7050.200.25	11,90
*Kugellager Ø 9,5 x 3	ball bearing Ø 9,5 x 3	7050.101.95	7,70



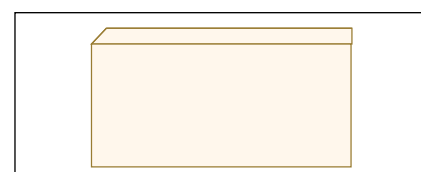
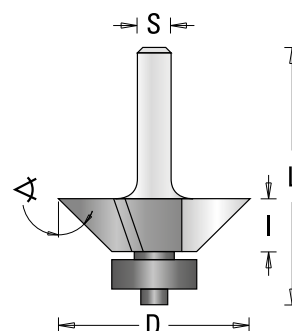
HW-Fasefräser Z3 mit Kugellager

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	51,10
22,2	10	53	25°	3	8	7715.222.80	51,10
30	10	53	45°	3	8	7715.300.80	64,60

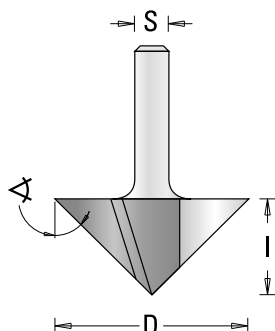
Ersatzteile	Spare parts	Best.-Nr./Part No.	Euro
Kugellager Ø 16 x 5	ball bearing Ø 16 x 5	7050.100.14	8,90



7715

HW-Fasefräser Z2

HW Bevel Cutter Z2



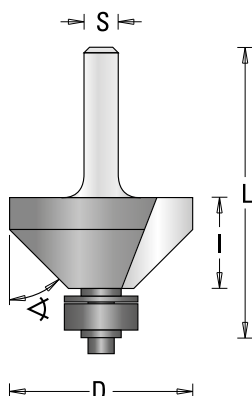
D	L	∠	S	Z	Best.-Nr./Part No.	Euro
24	12	15°	6	2	7715.015.60	32,00
24	12	30°	6	2	7715.030.60	32,40
24	12	45°	6	2	7715.045.60	39,20
24	12	30°	6,35	2	7715.030.63	34,70
24	12	45°	6,35	2	7715.045.63	41,60
24	12	15°	8	2	7715.015.80	32,00
24	12	30°	8	2	7715.030.80	32,40
24	12	45°	8	2	7715.045.80	39,20



7725

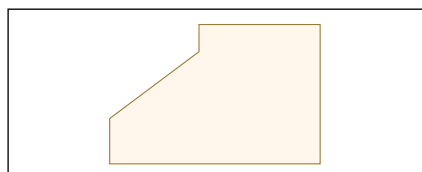
**HW-Fasefräser Z2
mit Anlauflager**

**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	34,00
35	2	18	45°	12,7	8	7725.350Z80	75,80
35	3	18	45°	12,7	12	7725.350Z12	75,80

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	8,90
Kugellager 19 x 6,35	1	ball bearing 19 x 6,35	7050.100.19	8,90



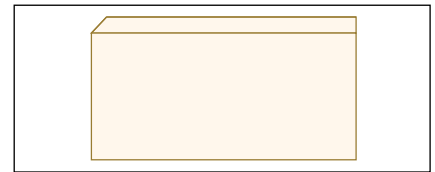
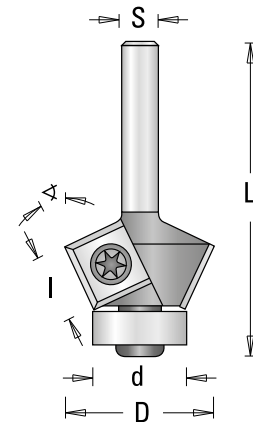
HW-WPL-Fasefräser Z2 mit Anlauflager

D		d	S	Best.-Nr./Part No.	Euro
32	45°	15,9	6	7930.045.60	93,10
20	15°	15,9	8	7930.015Z80	98,50
24	25°	15,9	8	7930.025Z80	98,50
26	30°	15,9	8	7930.030Z80	110,60
32	45°	15,9	8	7930.045.80	88,50

Ersatzwendeplatten	B	H	St	Best.-Nr./Part No.	Euro
HW-Räumerplatte / HW rakerblade	12	12	1,5	4200.012.00	1,80

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	8,90
Torx-Spannschraube Großkopf M4x5 (T15)	torx-lock-screw	7050.400.12	1,40
Torx-Schraubendreher T15	torx-screwdriver T15	7050.400.00	5,60

7930



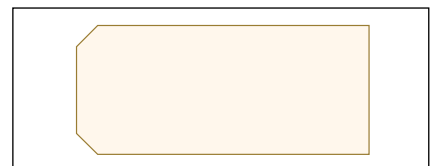
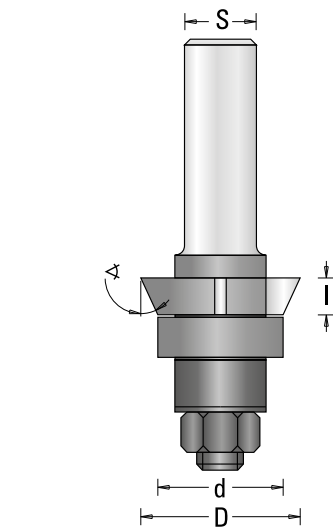
HW Fasefräsersatz, oben

HW Bevel Cutter Set

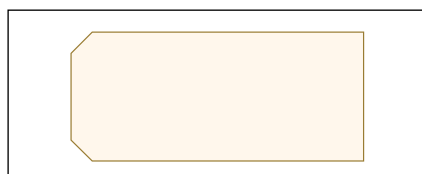
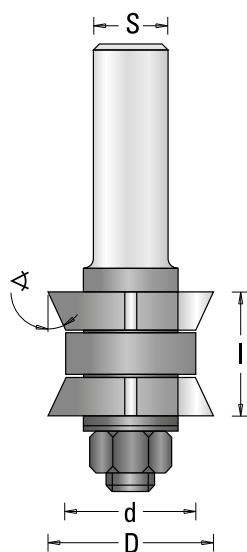
7716

D	I	L	d		S	Best.-Nr./Part No.	Euro
25,4	6,5	76	22	15°	12	7716.254.12	55,00
27	6,5	76	22	25°	12	7716.270.12	55,00
34	6,5	76	22	45°	12	7716.340.12	88,50

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Fräser oben 25,4 x 6,5 x 8, Z4, 15°	Top Cutter 25,4 x 6,5 x 8, Z4, 15°	7716.254.15	28,40
Fräser oben 27 x 6,5 x 8, Z4, 25°	Top Cutter 27 x 6,5 x 8, Z4, 25°	7716.027.25	28,40
Fräser oben 34 x 6,5 x 8, Z4, 45°	Top Cutter 34 x 6,5 x 8, Z4, 45°	7716.034.45	50,20
Kugellager 22 x 8 x 7	Ball Bearing 22 x 8 x 7	7050.180.22	10,90



7717



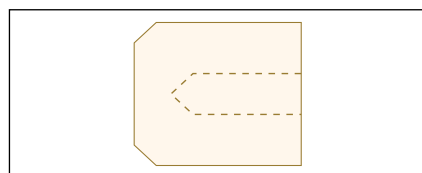
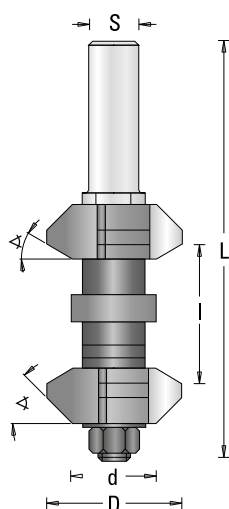
HW Fasefräasersatz einstellbar

D	l min.	l max.	L	d	∠	S	Best.-Nr./Part No.	Euro
27	~10	~42	96	22	25°	12	7717.270.12	88,40
34	~12	~40	96	22	45°	12	7717.340.12	143,40

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Fräser oben 27 x 6,5 x 8, Z4, 25°	Top Cutter 27 x 6,5 x 8, Z4, 25°	7716.027.25	28,40
Fräser unten 27 x 6,5 x 8, Z4, 25°	Bottom Cutter 27 x 6,5 x 8, Z4, 25°	7717.027.25	28,40
Fräser oben 34 x 6,5 x 8, Z4, 45°	Top Cutter 34 x 6,5 x 8, Z4, 45°	7716.034.45	50,20
Fräser unten 34 x 6,5 x 8, Z4, 45°	Bottom Cutter 34 x 6,5 x 8, Z4, 45°	7717.035.45	50,20
Kugellager 22 x 8 x 7	Ball Bearing 22 x 8 x 7	7050.180.22	10,90



7718



HW Fasefräasersatz, einstellbar

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	175,50

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	65,50
Fräser unten 34,8 x 8, Z3, 45°/30°	Bottom Cutter 34,8 x 8, Z3, 45°/30°	7718.035.01	65,50
Kugellager 22 x 8 x 7	Ball Bearing 22 x 8 x 7	7050.180.22	10,90

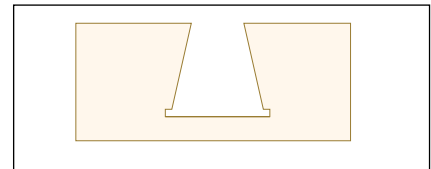
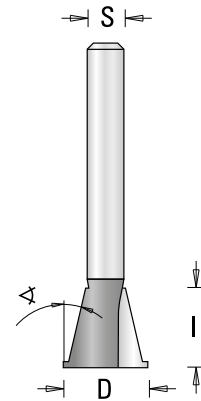


HW-Zinkenfräser Z2

HW Dovetail Cutter Z2

7630

D	I	$\angle$	S	Best.-Nr./Part No.	Euro
13,5	12,5	12°/40'	6	7630.135.60	41,40
14,3	13,5	15°	6	7630.143.60	36,10
13,5	12,5	12°/40'	8	7630.135.80	39,90
14,3	13,5	15°	8	7630.143.80	33,80

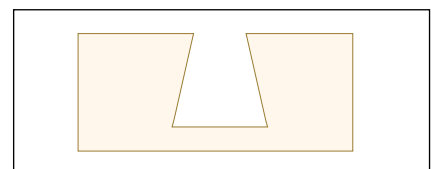
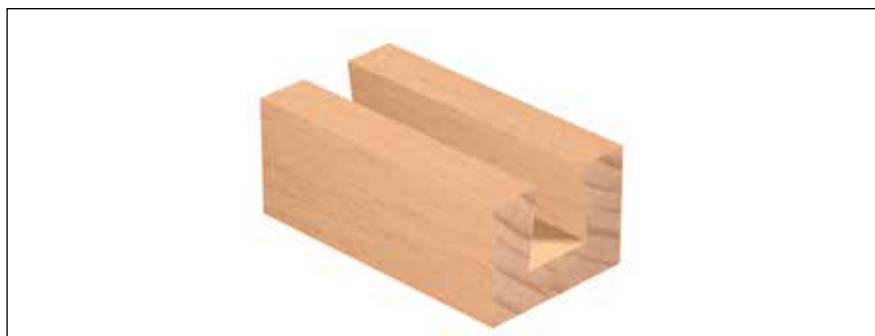
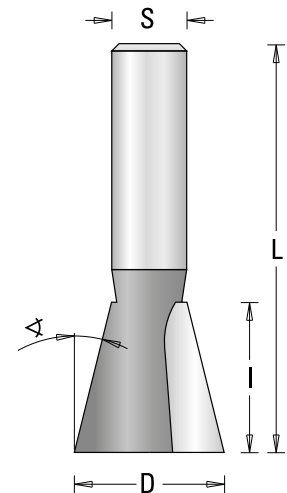


HW-Zinkenfräser Z2

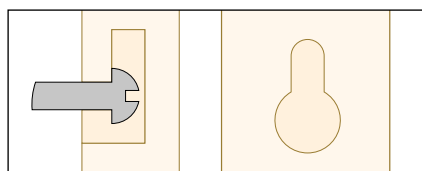
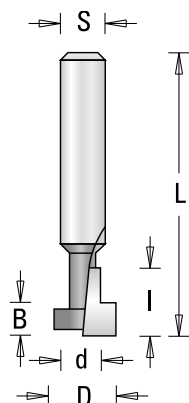
HW Dovetail Cutter Z2

7631

D	I	L	$\angle$	S	Best.-Nr./Part No.	Euro
9,5	9,5	47	9°	8	7631.095.80	29,80
12,7	12,7	49	14°	8	7631.127.80	29,80
14,7	14,3	61	12°	8	7631.147.80	33,10
12,7	12,7	60	14°	12	7631.127.12	29,80
19,1	19,1	65	14°	12	7631.191.12	50,20
22,2	22,2	67	14°	12	7631.222.12	52,00
25,4	25,4	69	14°	12	7631.254.12	55,60



7650



HW-T-Nutfräser Z1 + Z2

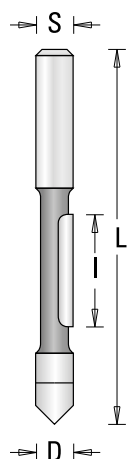
D	d	I	Z	B	S	L	Best.-Nr./Part No.	Euro
9,7	5	9,5	1	4,5	6	40	7650.097.60	23,30
12,7	8	9,5	1	4,9	6	38	7650.127.60	26,10
9,7	5	9,5	1	4,5	8	47	7650.097.80	23,30
12,7	8	9,5	1	4,9	8	38	7650.127.80	26,10
28*	9,5	20,7	2	8	12	66	7650.280.12	64,50
35*	12,7	22,2	2	9,5	12	65	7650.350.12	85,10

*= nicht einbohrfähig / not suitable for plunging

Keyhole Slot Cutter Z1 + Z2



7880



**HW-Kopierfräser
mit Bohrschneide**

D	I	Z	S	Best.-Nr./Part No.	Euro
6,35	19	1	6	7880.163.60	32,50
6,35	19	1	8	7880.163.80	27,00
8	19	1	8	7880.180.80	34,20
12,7	30	1	12	7880.127.12	47,30
12,7	30	2	12	7880.301.12	44,70

**HW Copy Cutter
with plunge bit**

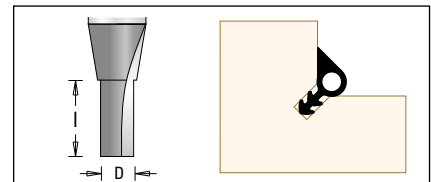
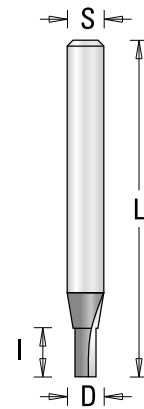


HW-Dichtungs-Nutfräser Z2 einseitig

HW Seal Groover Z2 one-sided

7895

D	I	L	S	Best.-Nr./Part No.	Euro
3	11	60	6	7895.030.60	20,00
3	8	55	6	7895.031.60	21,60
3	11	60	6,35	7895.030.63	22,50
3	8	48	8	7895.031.80	21,60

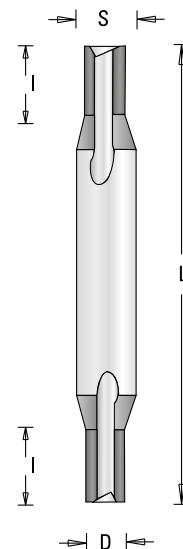


HW-Dichtungs-Nutfräser Z2 beidseitig

HW Seal Groover Z2 double-sided

7896

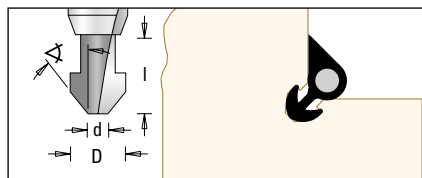
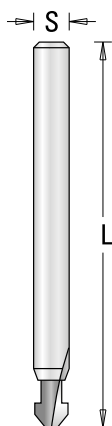
D	I	L	S	Best.-Nr./Part No.	Euro
3	8	70	6	7896.030.60	36,40
3	8	70	6,35	7896.030.63	42,50



7897

HW-Dichtungs-Nutfräser mit Ankerprofil

HW Seal Groover with Anchor Profile



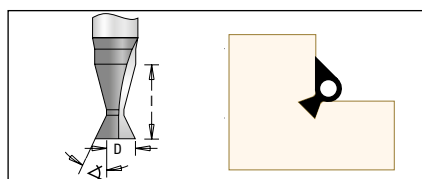
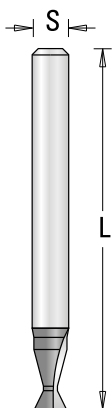
D	I	L	S	Best.-Nr./Part No.	Euro
5,5	10	63	6	7897.055.60	42,50
5,5	8	65	6	7897.056.60	62,70
5,5	10	63	6,35	7897.055.63	43,50



7894 / 7898

HW-Dichtungs-Profilfräser Z2 Schwalbenschwanzprofil 25°

HW Seal Profile Cutter Z2 Dove Tail Profile 25°



D	I	L	∠	S	Best.-Nr./Part No.	Euro
5,1	8	60	25°	6	7894.051.60	53,40

D	I	L	∠	d	S	Best.-Nr./Part No.	Euro
4,3	5	60	18°	2,9	6	7898.043.60	44,90
4,3	5	60	18°	2,9	6,35	7898.043.63	46,70



HS Bohrnutfräser Z1 Einzahnfräser

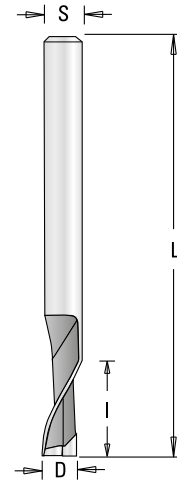
- Zum Fräsen von Aluminium und Kunststoff auf Kopierfräsmaschinen

D	I	L	S	Best.-Nr./Part No.	Euro
3	12	60	8	7385.030.80	13,50
4	12	60	8	7385.040.80	13,50
5	12	60	8	7385.050.80	12,40
6	14	60	8	7385.060.80	13,50
7	14	60	8	7385.070.80	18,20
8	14	80	8	7385.080.80	12,90
9	14	80	8	7385.090.80	18,20
10	14	80	8	7385.100.80	17,80
5	14	120	8	7385.051.80	18,30
8	14	120	8	7385.081.80	17,80
10	14	120	10	7385.110.10	27,30

HS Grooving Bit Z1 One tooth cutter

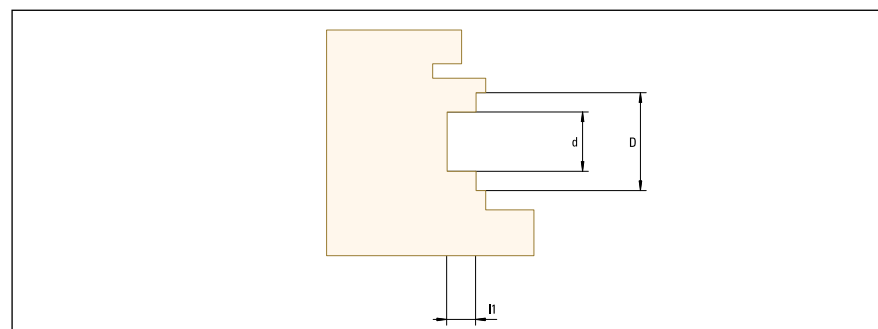
- For cutting aluminium and plastic on copy milling machines

7385



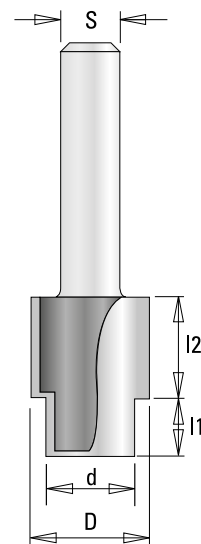
HW-Stufenfräser Z2 für Kantengetriebe

D	d	I1	I2	S	Best.-Nr./Part No.	Euro
16,3	12,3	9,5	10	8	7752.163.80	64,00
20,3	12,5	9,5	10	8	7752.203.80	69,80
20,3	12,3	6	10	8	7752.204.80	69,80



HW Step Cutter Z2

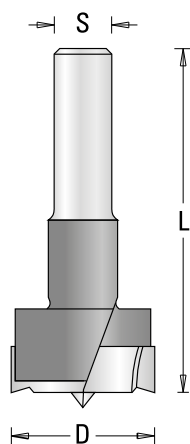
7752



7560

HW-Beschlagbohrer Z2

HW Hinge Boring Bit Z2



D	L	S	Best.-Nr./Part No.	Euro
25	60	8	7560.250Z80	54,30
25	60	12	7560.250Z12	49,80
30	60	8	7560.300Z80	51,20
30	60	12	7560.300Z12	51,20
35	60	8	7560.350Z80	53,40
35	60	12	7560.350Z12	53,40

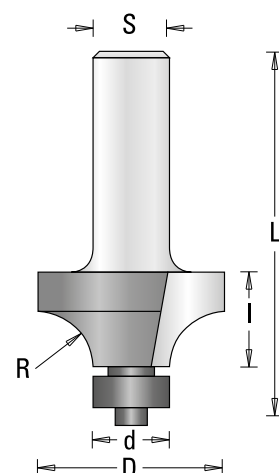


HW-Abrundfräser Z 2 Anlauflager d 12,7

HW Rounding Cutter Z2 with Ball Bearing d 12,7

7741

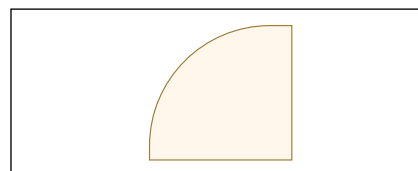
D	d	l	L	R	S	Best.-Nr./Part No.	Euro
16,7	12,7	7,7	47,5	2	6	7741.167.60	53,10
18,7	12,7	9,5	49,5	3	6	7741.187.60	53,40
20,7	12,7	9,5	49,5	4	6	7741.207.60	53,40
22,7	12,7	12	52	5	6	7741.227.60	53,90
25,4	12,7	12,7	50	6,35	6	7741.254.60	55,40
28,7	12,7	13,5	53	8	6	7741.287.60	56,60
31,7	12,7	15,9	55,5	9,5	6	7741.317.60	61,80
38,1	12,7	19,1	55,5	12,7	6	7741.381.60	66,00
16,7	12,7	7,7	51	2	8	7741.167.80	53,10
18,7	12,7	9,5	53	3	8	7741.187.80	52,70
20,7	12,7	9,5	53	4	8	7741.207.80	52,70
22,7	12,7	12	55,5	5	8	7741.227.80	54,80
25,4	12,7	12,7	55	6,35	8	7741.254.80	58,30
28,7	12,7	13,5	56	8	8	7741.287.80	60,30
31,7	12,7	15,9	59	9,5	8	7741.317.80	64,40
38,1	12,7	19,1	61	12,7	8	7741.381.80	67,60
42	12,7	21,2	70	15	8	7741.420.80	84,60
42	12,7	21,2	70	15	12	7741.420.12	84,60
53	12,7	25,4	74	20	12	7741.530.12	93,60
63	12,7	31,2	90,5	25	12	7741.630.12	100,20
72,6	12,7	38,7	98	30	12	7741.726.12	269,00
82,7	12,7	42	91	35	12	7741.827.12	292,60



Kugellager / Ball bearing

D	d	Best.-Nr./Part No.	Euro
12,7	4,76	7050.100.12	8,90

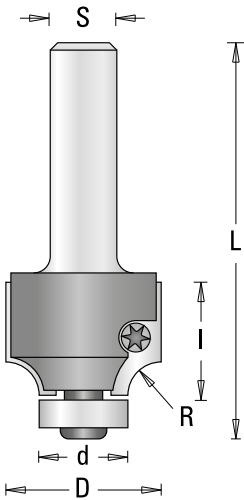
Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Sicherungsring Nr. 1	safety ring no. 1	7980.001.00	1,40
Inbusschraube Nr. 2	allen screw no. 2	7980.000.02	1,40



7935

HW-WPL-Abrundfräser Z2
mit Anlauflager

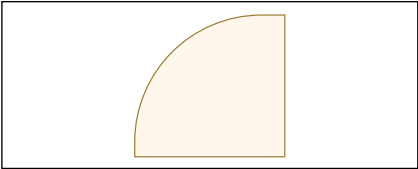
HW Rounding
Cutter Z2 with Ball Bearing



D	R	d	S	Best.-Nr./Part No.	Euro
25	3	19	12	7935.250.12	198,30
28	6	16	12	7935.280.12	206,70
32	8	16	12	7935.320.12	214,60
36	10	16	12	7935.360.12	222,50

HW-Ersatzplatten	HW replacement plates	R	Best.-Nr./Part No.	Euro
20x9x1,5	20x9x1,5	3	4206.020.03	20,40
20x9x1,5	20x9x1,5	6	4206.020.06	20,40
30x15x1,5	30x15x1,5	8	4206.030.08	22,50
30x15x1,5	30x15x1,5	10	4206.030.10	22,50

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager ø 19x4,7	ball bearing ø 19x4,7	7050.100.18	8,90
Kugellager ø 16x5	ball bearing ø 16x5	7050.100.14	8,90
Torx-Schraube M 4x5,6	Torx lock screw M 4x5,6	7050.400.12	1,40
Torx-Schlüssel (T15)	Torx key (T15)	7050.400.00	5,60



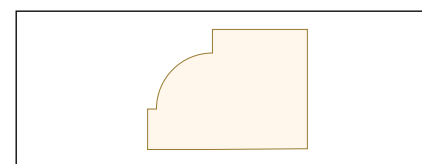
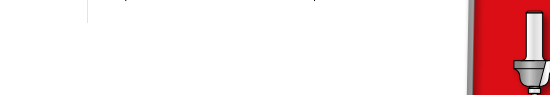
HW-Viertelstabfräser Z2 mit Anlauflager d = 9,5

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	53,40
20,7	9,5	9,5	53	4	8	7746.207.80	53,90
22,7	9,5	12	55,5	5	8	7746.227.80	53,90
25,4	9,5	12,7	55	6,35	8	7746.254.80	59,20
28,7	9,5	13,5	57	8	8	7746.287.80	60,70
31,7	9,5	15,9	59	9,5	8	7746.317.80	66,00
32,7	9,5	16	65	10	8	7746.327.80	61,80
38,1	9,5	19,1	61	12,7	8	7746.381.80	69,60
42	9,5	21,2	70	15	8	7746.420.80	84,60
52,7	9,5	25,4	74	20	12	7746.527.12	116,10

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	7,70



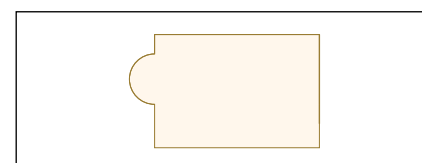
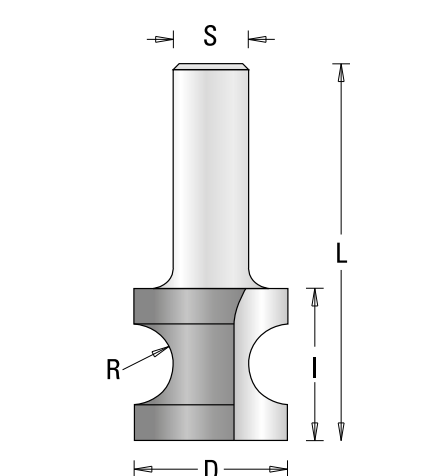
HW-Abrundfräser Z2

HW Rounding Cutter Z2

7767

D	l	L	R	S	Best.-Nr./Part No.	Euro
13,5	12,7	55	2	8	7767.135.80	40,50
15,1	12,7	45	2,8	8	7767.151.80	48,30
16,7	19,1	51	3,6	8	7767.167.80	59,10
22,2	19,1	51	5,2	8	7767.222.80	80,40
26,2	25,4	57,5	6,8	8	7767.262.80	81,70
13,5	12,7	55	2	12	7767.135.12	33,40
15,1	12,7	51	2,8	12	7767.151.12	42,80
16,7	19,1	57	3,6	12	7767.167.12	59,10
22,2	19,1	57	5,2	12	7767.222.12	80,40
26,1	25,4	63	6,8	12	7767.261.12	91,50
28	25,4	63	7,9	12	7767.280.12	104,50
33,3	33,7	72	9,5	12	7767.333.12	118,50
42	39,7	78	12,7	12	7767.420.12	144,90
50,8	50	88	15,9	12	7767.508.12	171,80
60,3*	50,8	88	19,1	12	7767.603.12	149,00

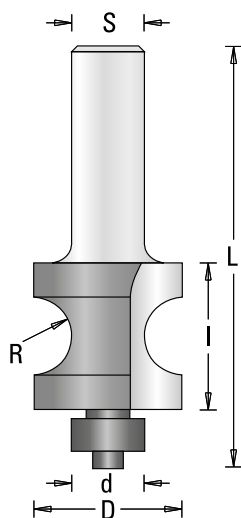
*Z = 3



7768

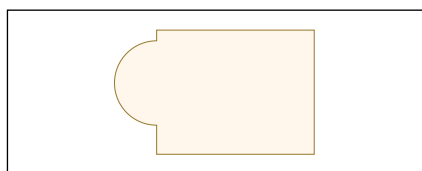
HW Abrundfräser mit Anlaufkugellager

HW Rounding Cutter with Ball Bearing



D	I	L	R	S	d	Best.-Nr./Part No.	Euro
25,2	26	75	6,8	12	12,7	7768.262.12	94,20
35	34	84	9,5	12	16	7768.350.12	101,80
44,5	40	93	12,7	12	19	7768.445.12	117,00
50,8	50	103	15,8	12	19	7768.508.12	151,40

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	8,90
Kugellager ø 16 x 5	ball bearing ø 16 x 5	7050.100.14	8,90
Kugellager ø 19 x 6,35	ball bearing ø 19 x 6,35	7050.100.19	8,90



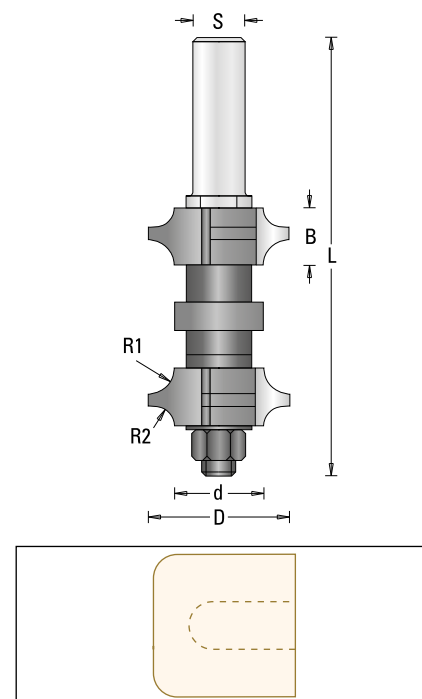
HW Abrundfräsersatz, einstellbar

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	175,50

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	65,50
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	65,50
Kugellager 22 x 8 x 7	Ball Bearing 22 x 8 x 7	7050.180.22	10,90



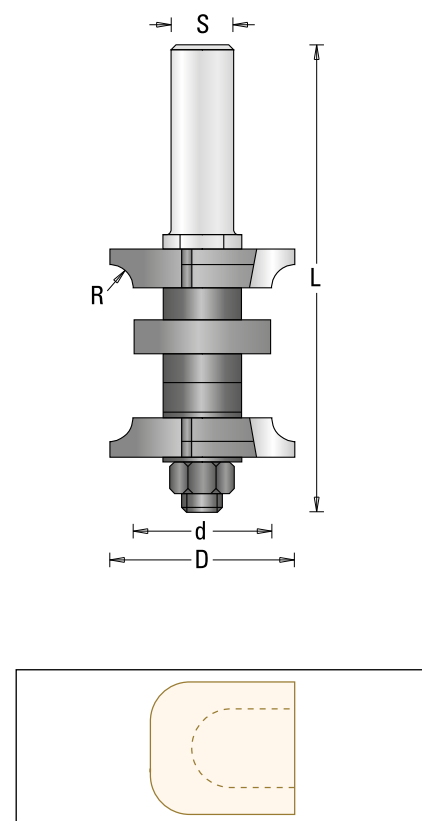
HW Abrundfräsersatz, einstellbar

HW Adjustable Rounding Cutter

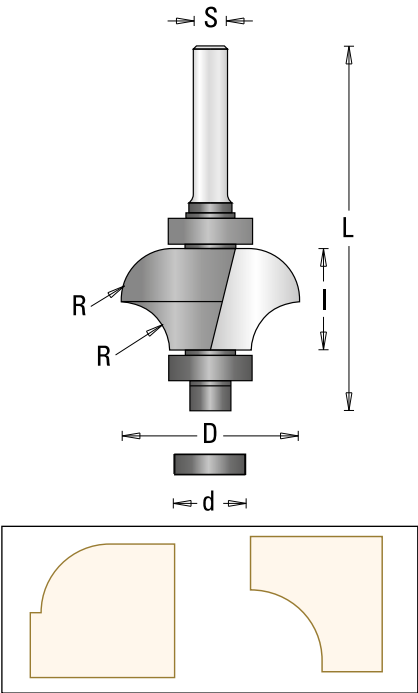
7739

D	d	l min.	l max.	L	R	S	Best.-Nr./Part No.	Euro
38,1	28	9,5	38	96	4,8	12	7739.381.12	122,10
40,7	28	12,7	36	96	6,35	12	7739.407.12	152,80
47,2	28	19	36	96	9,6	12	7739.472.12	164,90

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Fräser oben 38,1 x 8, Z3, R4,8	Top Cutter 38,1 x 8, Z3, R4,8	7739.381.00	40,50
Fräser unten 38,1 x 8, Z3, R4,8	Bottom Cutter 38,1 x 8, Z3, R4,8	7739.381.01	40,50
Fräser oben 40,7 x 8, Z3, R6,35	Top Cutter 40,7 x 8, Z3, R6,35	7739.407.00	55,80
Fräser unten 40,7 x 8, Z3, R6,35	Bottom Cutter 40,7 x 8, Z3, R6,35	7739.407.01	55,80
Fräser oben 47,2 x 8, Z3, R9,6	Top Cutter 47,2 x 8, Z3, R9,6	7739.472.00	55,80
Fräser unten 47,2 x 8, Z3, R9,6	Bottom Cutter 47,2 x 8, Z3, R9,6	7739.472.01	55,80
Kugellager 28 x 8 x 9	Ball Bearing 28 x 8 x 9	7050.180.28	9,30



7742



HW-Abrund-Kehlfräser Z2
Anlauflager d=16

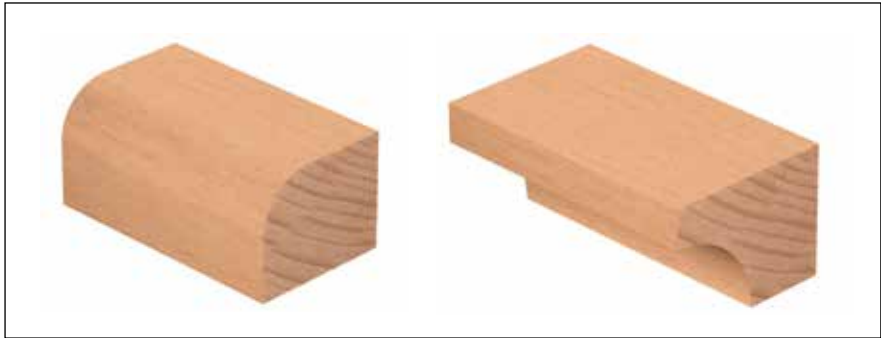
- mit 2 Anlauflagern d=16

D	d	I	L	R	S	Best.-Nr./Part No.	Euro
34,8	16	20	72	9,5/9,5	8	7742.348Z80	84,50

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager ø 16 x 8	ball bearing ø 16 x 8	7050.180.16	8,90

HW Rounding and Coveing
Cutter Z2 Ball Bearings d=16

- with 2 ball bearings d=16

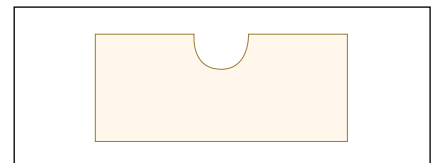
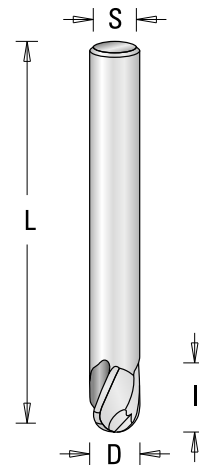


VHM-Radius-Gravierfräser Z2 (Hohlkehlfräser)

Solid Carbide Radius Grooving Cutter Z2

7602

L	I	R	S	Best.-Nr./Part No.	Euro
60	9	3	6	7602.003.60	62,80
70	11	4	8	7602.004.80	69,50
80	13	5	10	7602.005.10	86,00

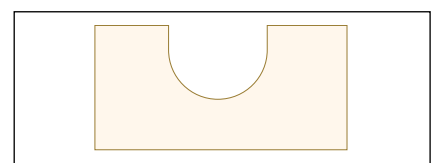
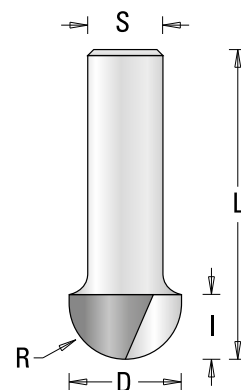


HW-Hohlkehlfräser Z2

HW Core Cutter Z2

7730

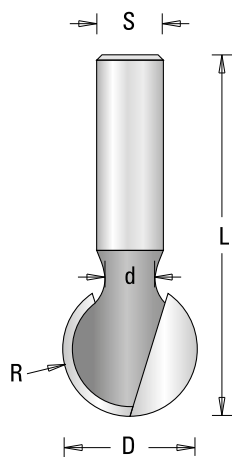
D	I	L	R	S	Best.-Nr./Part No.	Euro
9,5	6,3	38	4,8	6	7730.095Z60	34,90
12,7	9,5	38	6,3	6	7730.127Z60	37,60
15,9	11	40	7,9	6	7730.160Z60	39,50
19,1	11	40	9,5	6	7730.190Z60	45,50
22,2	13,8	44,5	11	6	7730.222Z60	48,80
25,4	17,5	46,5	12,7	6	7730.254Z60	49,80
9,5	6,3	42,5	4,8	8	7730.095Z80	34,90
12,7	9,5	41,5	6,30	8	7730.127Z80	37,60
15,9	11	43,5	7,9	8	7730.160Z80	39,50
19,1	11	43	9,5	8	7730.190Z80	45,50
22,2	13,8	46	11	8	7730.222Z80	48,80
25,4	17,5	50	12,7	8	7730.254Z80	49,80
32	32	70	16	12	7730.320Z12	117,50
38,1	32	70	19,1	12	7730.381Z12	132,90
50,8	32	70	25,4	12	7730.508Z12	149,00



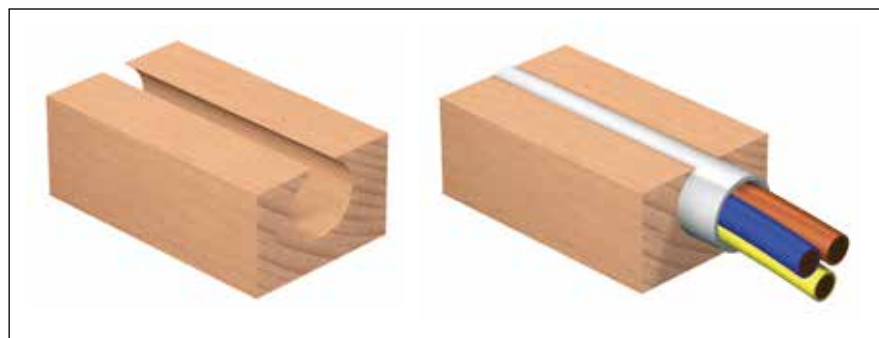
7769

HW-Kugelfräser Z2

HW Grooving Cutter Z2



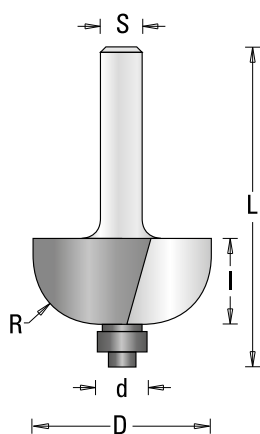
D	L	d	R	S	Best.-Nr./Part No.	Euro
12,7	58	6,35	6,35	12	7769.127.12	39,10
16	63	7,0	8	12	7769.160.12	43,70
19	64	8	9,5	12	7769.190.12	47,30
22,2	68	8,0	11,1	12	7769.222.12	50,20
25,4	70	8,7	12,7	12	7769.254.12	58,40
28,6	74	10,3	14,3	12	7769.286.12	69,80
32	75	11,1	16	12	7769.320.12	77,60



7735

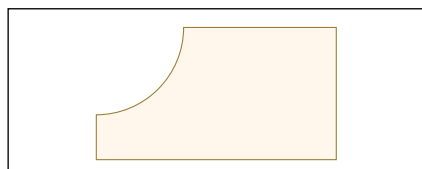
HW-Halbhohlkehlfräser Z2

HW Core Cutter Z2



D	d	I	R	S	Best.-Nr./Part No.	Euro
12,7	9,5	12,7	1,6	8	7735.127Z80	53,90
15,9	9,5	12,7	3,2	8	7735.159Z80	53,90
19,1	9,5	14,3	4,8	8	7735.191Z80	53,90
22,2	9,5	14,3	6,3	8	7735.222Z80	55,40
25,4	9,5	14,3	7,9	8	7735.254Z80	56,60
28,6	9,5	14,3	9,5	8	7735.286Z80	61,80
34,9	9,5	16,7	12,7	8	7735.349Z80	66,00
41,3	9,5	18	16	12	7735.413Z12	83,60
57,1	12,7	31,8	22,2	12	7735.571Z12	150,90

Ersatzteile	Spare parts	Best.-Nr./Part No.	Euro
Kugellager Ø 9,5 x 3	ball bearing Ø 9,5 x 3	7050.101.95	7,70
Kugellager Ø 12,7 x 4,76	ball bearing Ø 12,7 x 4,76	7050.100.12	8,90

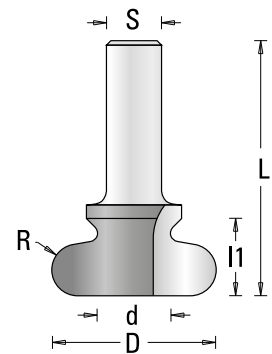


HW-Griffmuldenfräser Z2

HW Finger Grip Cutter Z2

7747

D	d	l1	R	S	Best.-Nr./Part No.	Euro
19,1	10	14,3	4,8/2,5	8	7747.191.80	76,30
38,1	17	17	6/2	8	7747.381.80	112,00
19,1	10	14,3	4,8/2,5	12	7747.191.12	78,50
38,1	17	18	6,0/2,5	12	7747.381.12	125,40
45	17	17,2	4,8/2,5	12	7747.450.12	137,00



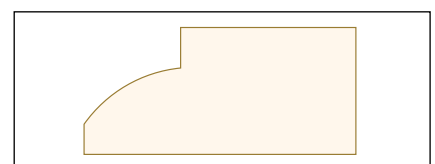
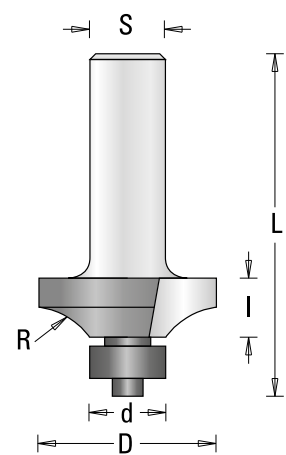
HW-Profilfräser Z2 mit Anlauflager

HW Profile Cutter Z2 with Ball Bearing

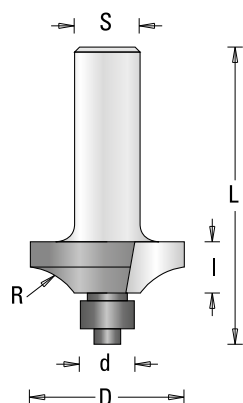
7743

D	d	l	L	R	S	Best.-Nr./Part No.	Euro
30	12,7	10	53,5	12	8	7743.300.80	62,70
30	12,7	10	60	12	12	7743.300.12	62,70

Ersatzteile	Spare parts	Best.-Nr./Part No.	Euro
Kugellager 12,7 x 4,76	ball bearing 12,7 x 4,76	7050.100.12	8,90



7744



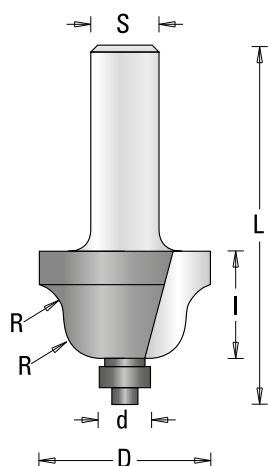
HW-Profilfräser Z2 mit Anlauflager

D	d	I	L	R	S	Best.-Nr./Part No.	Euro
30	9,5	10	51,5	12	8	7744.300.80	62,70
30	9,5	10	58	12	12	7744.300.12	49,80

Ersatzteile	Spare parts	Best.-Nr./Part No.	Euro
Kugellager 9,5 x 4,76	ball bearing 9,5 x 4,76	7050.100.95	7,70



7750



HW-Profilfräser Z2 mit Anlauflager

D	d	I	L	R	S	Best.-Nr./Part No.	Euro
25,4	9,5	15,9	57,0	4/4	8	7750.254Z80	58,10
34,9	9,5	20,0	61,5	6,3/6,3	8	7750.349Z80	64,60
25,4	9,5	15,9	63,0	4/4	12	7750.254Z12	58,10
34,9	9,5	20,0	67,5	6,3/6,3	12	7750.349Z12	64,60

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager 9,5 x 3	ball bearing 9,5 x 3	7050.101.95	7,70

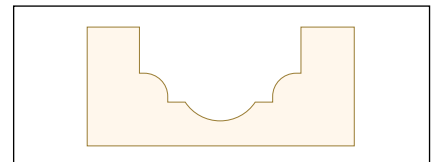
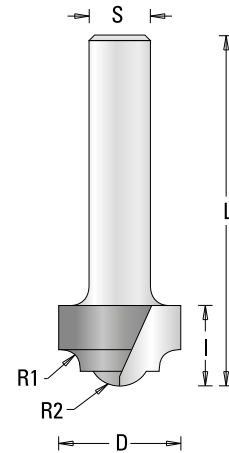


HW-Profilfräser Z2

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	64,20
19,1	12,7	54	3,7/4,0	8	7753.191Z80	45,20
25,4	16,5	57	5,0/6,3	8	7753.254Z80	91,50
19,1	12,7	70	3,7/4,0	12	7753.191Z12	73,00
25,4	16,5	73	5,0/6,3	12	7753.254Z12	91,50
38,1	19,1	76	6,3/6,3	12	7753.381Z12	101,80



HWM-Profilfräser Z2

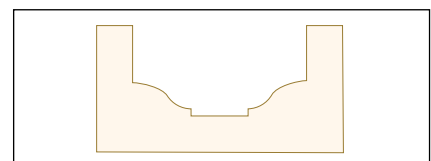
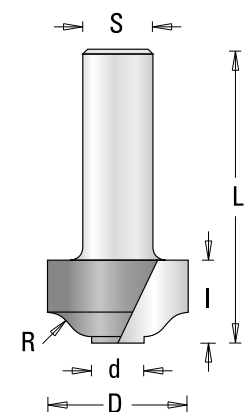
Solid Carbide Profile Cutter Z2

7754

• Vollhartmetall

• Solid Carbide

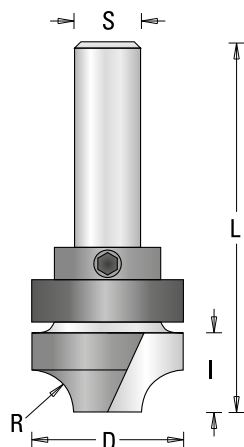
D	I	L	d	R	S	Best.-Nr./Part No.	Euro
25,4	15,1	53,2	9,5	4,8	12	7754.254.12	81,70
30,2	15,1	53,2	11,9	5,9	12	7754.302.12	86,50



7757

HW-Profilfräser Z2 mit Anlauflager schaftseitig

HW Profile Cutter Z2 with Ball Bearing shank sided



D	I	L	R	S	Best.-Nr./Part No.	Euro
28,6	14	68	8	12	7757.286.12	72,10

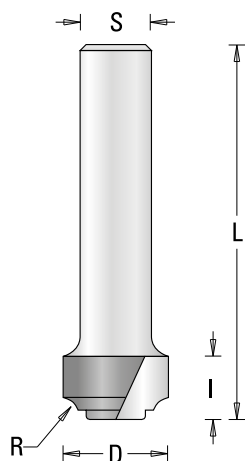
Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager 28,5 x 12,7	ball bearing 28,5 x 12,7	7050.100.28	4,90



7758

HW-Profilfräser Z2

HW Profile Cutter Z2



D	I	L	R	S	Best.-Nr./Part No.	Euro
19,1	11,1	52	3,5	8	7758.191.80	62,90
19,1	11,1	68	3,5	12	7758.191.12	63,20

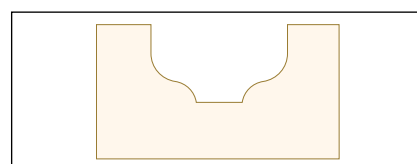
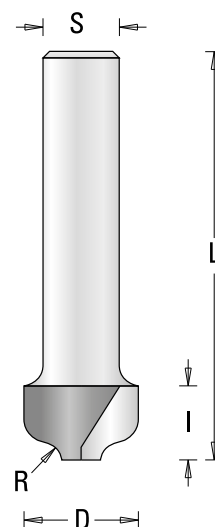
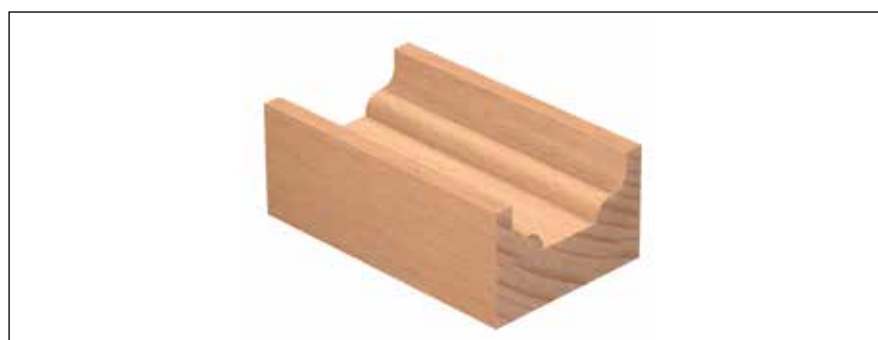


HW-Profilfräser Z2

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	52,50
19,1	12,7	53	3,5	8	7759.191.80	63,20
19,1	12,7	68	3,5	12	7759.191.12	63,20



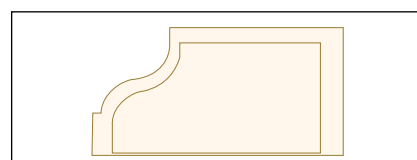
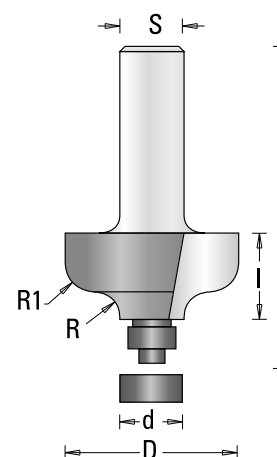
HW-Profilfräser Z2 mit Anlaufleger

HW Profile Cutter Z2 with Ball Bearing

7760

D	I	L	R	d	S	Best.-Nr./Part No.	Euro
28,6	12,7	56	4,5/4,0	12,7	8	7760.286Z80	83,60
34,9	17,5	60	6/5	12,7	8	7760.349Z80	88,70
28,6	12,7	62	4,5/4,0	12,7	12	7760.286Z12	83,60
34,9	17,5	67	6,0/5,0	12,7	12	7760.349Z12	88,70

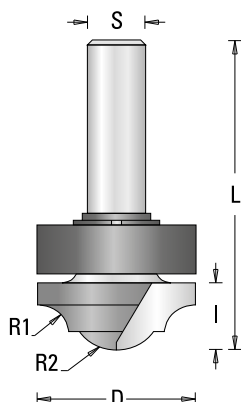
Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager 12,7 x 4,76	ball bearing 12,7 x 4,76	7050.100.12	8,90
Kugellager 9,5 x 4,76	ball bearing 9,5 x 4,76	7050.100.95	7,70
Kugellager 6,35 x 3,17	ball bearing 6,35 x 3,17	7050.100.63	6,20



7761

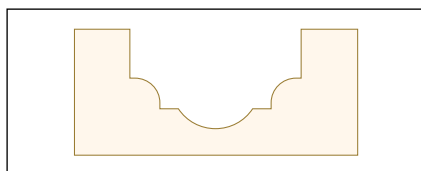
**HW-Profilfräser Z2
mit Anlauflager schaftseitig**

**HW Profile Cutter Z2 with
Ball Bearing shank sided**



D	I	L	R	S	Best.-Nr./Part No.	Euro
22	12	55	4,0/5,5	8	7761.220.80	69,20
35	15	68	6,5/10,0	12	7761.350.12	88,20

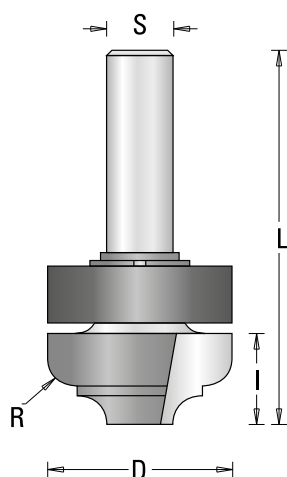
Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager 22 x 8	ball bearing 22 x 8	7050.180.22	10,90
Kugellager 35 x 15	ball bearing 35 x 15	7050.200.35	6,20



7762

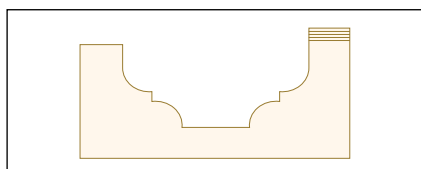
**HW-Profilfräser
mit Anlauflager schaftseitig**

**HW Profile Cutter Z2 with
Ball Bearing shank sided**



D	I	L	R	S	Best.-Nr./Part No.	Euro
22	11,1	54	3,5	8	7762.220.80	69,20
35	14,3	67	5	12	7762.350.12	88,20

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager 22 x 8	ball bearing 22 x 8	7050.180.22	10,90
Kugellager 35 x 15	ball bearing 35 x 15	7050.200.35	6,20



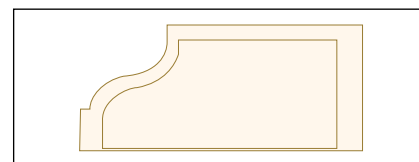
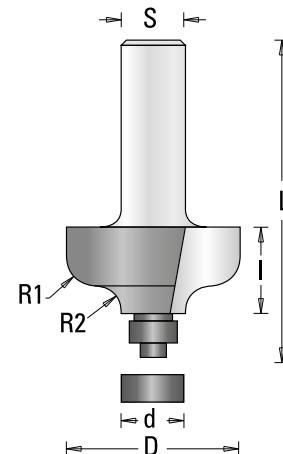
HW-Profilfräser Z2 mit Anlauflager

HW Profile Cutter Z2 with Ball Bearing

7763

D	I	L	R1/R2	d	S	Best.-Nr./Part No.	Euro
28,6	12,7	54	4,5/4,0	9,5	8	7763.286Z80	83,60
34,9	17,5	59	6,0/5,0	9,5	8	7763.349Z80	88,70
28,6	12,7	60	4,5/4,0	9,5	12	7763.286Z12	83,60
34,9	17,5	65	6,0/5,0	9,5	12	7763.349Z12	88,70

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager 12,7 x 4,76	ball bearing 12,7 x 4,76	7050.100.12	8,90
Kugellager 9,5 x 4,76	ball bearing 9,5 x 4,76	7050.100.95	7,70



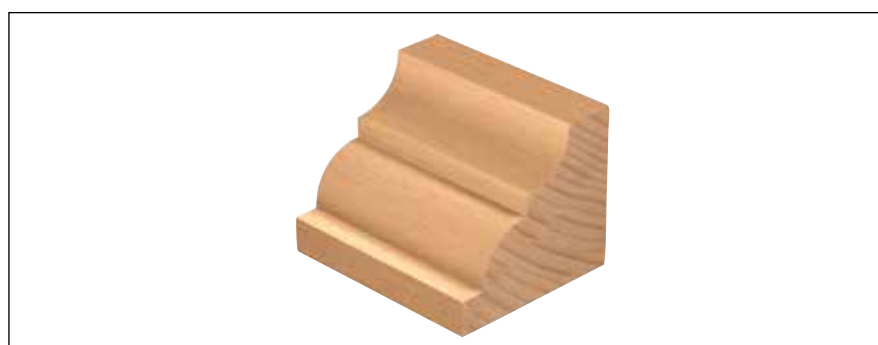
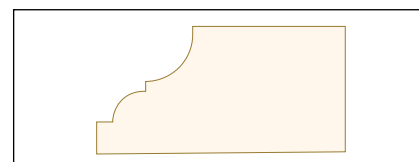
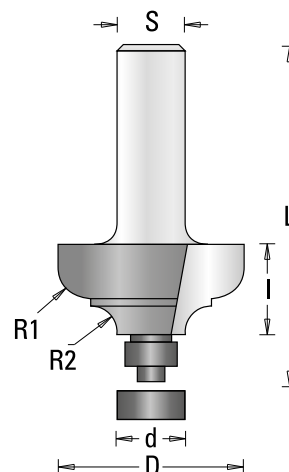
7764 Form B

HW-Profilfräser Z2 mit Anlauflager

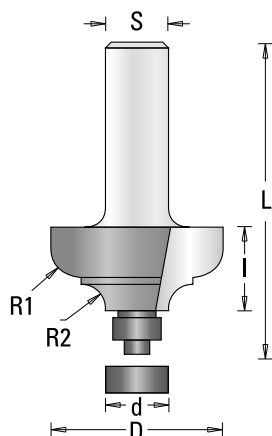
HW Profile Cutter Z2 with Ball Bearing

D	I	L	R1/R2	d	S	Best.-Nr./Part No.	Euro
28,6	12,7	54	4,0/4,0	9,5	8	7764.286Z80	85,90
34,9	17,5	58	6,0/5,0	9,5	8	7764.349Z80	94,20
28,6	12,7	60	4,0/4,0	9,5	12	7764.286Z12	85,90
34,9	17,5	64	6,0/4,8	9,5	12	7764.349Z12	94,20
38	16	65	4,7/8,0	9,5	12	7764.380Z12	94,20

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager 9,5 x 4,76	ball bearing 9,5 x 4,76	7050.100.95	7,70
Kugellager 12,7 x 4,76	ball bearing 12,7 x 4,76	7050.100.12	8,90



7765 Form A



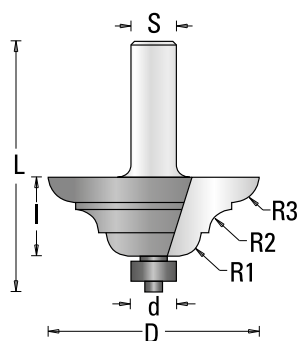
HW-Profilfräser Z2 mit Anlauflager

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	85,90
34,9	17,5	60	6,0/5,0	12,7	8	7765.349Z80	94,20
28,6	12,7	62	4,5/4,0	12,7	12	7765.286Z12	85,90
34,9	17,5	66	6,0/4,8	12,7	12	7765.349Z12	94,20
38	16	65	4,7/8,0	12,7	12	7765.380Z12	94,20
51	23	72	9,5/9,5	12,7	12	7765.510Z12	116,20

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager 12,7 x 4,76	ball bearing 12,7 x 4,76	7050.100.12	8,90
Kugellager 9,5 x 4,76	ball bearing 9,5 x 4,76	7050.100.95	7,70



7766



HW-Radienprofilfräser Z2 mit Anlauflager

D	l	L	R1/R2/R3	d	S	Best.-Nr./Part No.	Euro
59	22	71	6,5 / 6,5 / 7,5	12,7	12	7766.590.12	162,60

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager 12,7 x 4,76	ball bearing 12,7 x 4,76	7050.100.12	8,90



HW-Profilfräser Z2 mit Anlauflager

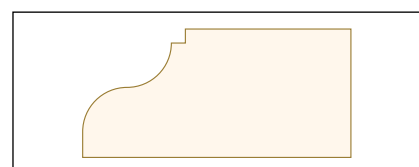
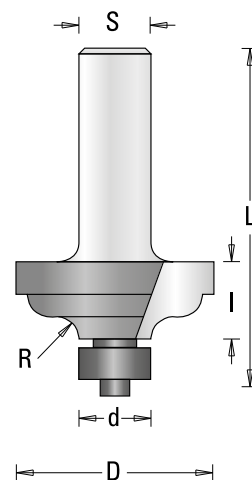
HW Profile Cutter Z2 with ball bearing

7771

Form A

D	I	L	R	d	S	Best.-Nr./Part No.	Euro
34,9	13,5	57	4/4	12,7	8	7771.349.80	94,20
34,9	13,5	63	4/4	12,7	12	7771.349.12	94,20
41,3	19,1	69	6,3/6,3	12,7	12	7771.413.12	107,40
57,2	25,7	75	9,5/9,5	12,7	12	7771.572.12	143,50

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager 12,7 x 4,76	ball bearing 12,7 x 4,76	7050.100.12	8,90
Kugellager 9,5 x 4,76	ball bearing 9,5 x 4,76	7050.100.95	7,70



HW-Profilfräser Z2 mit Anlauflager

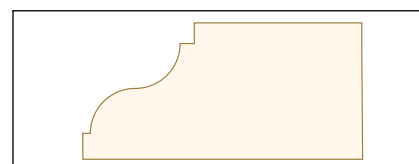
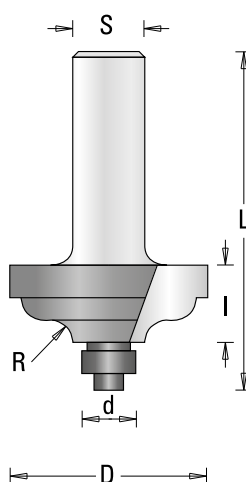
HW Profile Cutter Z2 with Ball Bearing

7772

Form B

D	I	L	R	d	S	Best.-Nr./Part No.	Euro
34,9	13,5	55	4/4	9,5	8	7772.349.80	94,20
34,9	13,5	61	4/4	9,5	12	7772.349.12	94,20
41,3	19,1	67	6,3/6,3	9,5	12	7772.413.12	107,40
57,2	25,4	75	9,5/9,5	9,5	12	7772.572.12	143,50

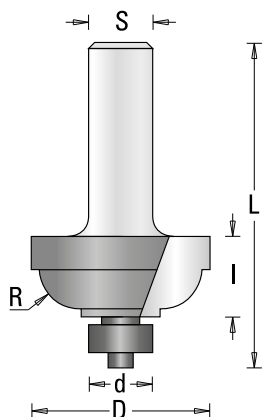
Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager 9,5 x 4,76	ball bearing 9,5 x 4,76	7050.100.95	7,70
Kugellager 12,7 x 4,76	ball bearing 12,7 x 4,76	7050.100.12	8,90



7773

HW-Profilfräser Z2 mit Anlauflager

HW Profile Cutter Z2 with Ball Bearing



D	I	L	R	d	S	Best.-Nr./Part No.	Euro
28,6	12,7	55	4,8	12,7	8	7773.286.80	72,10
34,9	15,9	57	7,9	12,7	8	7773.349.80	84,60
34,9	15,9	65	7,9	12,7	12	7773.349.12	84,60

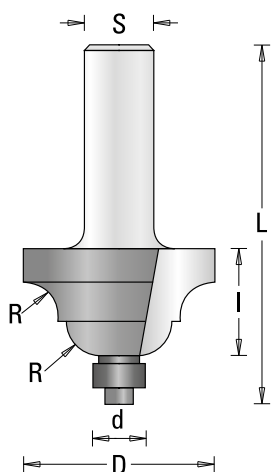
Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager 12,7 x 4,76	ball bearing 12,7 x 4,76	7050.100.12	8,90



7775

HW-Profilfräser Z2 mit Anlauflager

HW Profile Cutter Z2 with Ball Bearing



D	R	d	S	Best.-Nr./Part No.	Euro
25,4	4/4	9,5	8	7775.254Z80	64,60
34,9	6,3/6,3	9,5	8	7775.349Z80	66,00
34,9	6,3/6,3	9,5	12	7775.349Z12	66,00

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager 9,5 x 3	ball bearing 9,5 x 3	7050.101.95	7,70



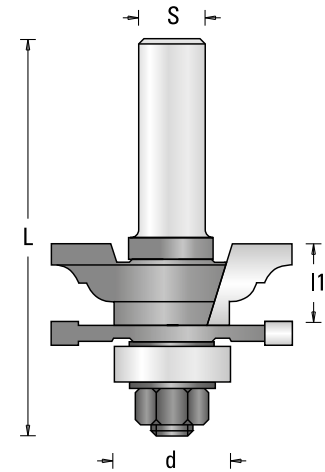
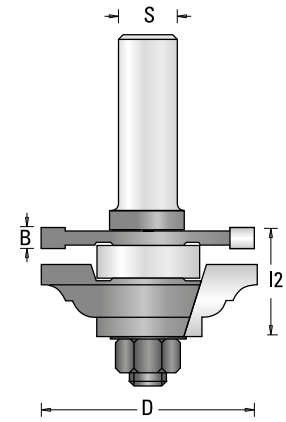
HW-Konterprofilersatz Z2 + 2

HW Counter Profile Set Z2 + 2

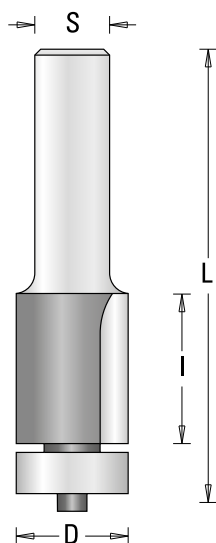
7591

D	d	B	L	I1	I2	S	Best.-Nr./Part No.	Euro
46	22	4	70	15	22	8	7591.460.80	147,80

Ersatzteile	Spare parts	Best.-Nr./Part No.	Euro
HW-Nutfräser 46x4x8 Z2	HW-Grooving Cutter 46x4x8 Z2	7591.040.80	30,20
Aufnahmedorn mit Mutter	Arbore with Nut	7591.080.80	15,00
HW-Profilfräser 46x15x8 Z2	HW-Profile Cutter 46x15x8 Z2	7591.150.80	99,70
Kugellager ø 22,0 d 8	Ball Bearing ø 22,0 d 8	7050.180.22	10,90



7980 Corian



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 Metallanauflagern auftretenden Spuren am Werkstück zu vermeiden
- Die Drehzahl muss niedriger gewählt sein, als in der Holzbearbeitung üblich

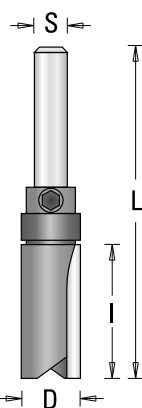
HW Trimming Cutter Z2 for Corian, Shank 12 mm

- 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

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	35,60

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	9,90
Kunststoff-Anlaufring D = 19,0; 0°	plastic guide ring D = 19,0; 0°		
Sicherungsring Nr. 1	safety ring no. 1	7980.001.00	1,40
Inbusschraube Nr. 1	allen screw no. 1	7980.000.01	1,40



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	51,30

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager D = 28,6 d = 12,7	ball bearing D = 28,6 d = 12,7	7050.100.28	4,90
Sicherungsring Nr. 2	safety ring no. 2	7980.002.00	4,20
Inbusschraube Nr. 4	allen screw no. 4	7980.000.04	1,40

Fortsetzung

Continuation

7980 Corian

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	43,50

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	8,90
Sicherungsring Nr. 1	safety ring no. 1	7980.001.00	1,40
Inbusschraube Nr. 1	allen screw no. 1	7980.000.01	1,40

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	59,70

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager ϕ 15,9 d 6,35	ball bearing D = 15,9 d = 6,35		
Kunststoff-Anlaufring D = 21,8; 10°	plastic guide ring D = 21,8; 10°	7980.021.10	12,00
Sicherungsring Nr. 1	safety ring no. 1	7980.001.00	1,40
Inbusschraube Nr. 1	allen screw no. 1	7980.000.01	1,40

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

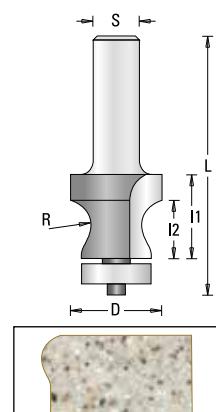
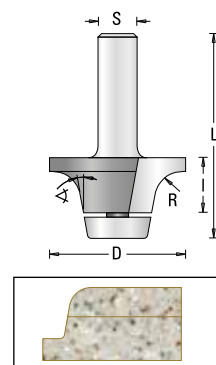
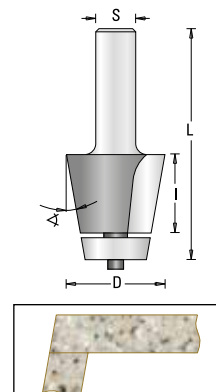
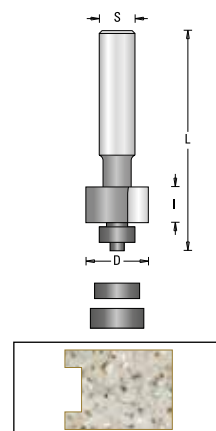
D	I1	I2	L	α	R	S	Best.-Nr./Part No.	Euro
51	18,2	13,7	63,5	17°	12,7	12	7980.510.12	96,30
57	24	20	76	17°	19	12	7980.570.12	99,00

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		
Kunststoff-Anlaufring ϕ 22,2; 10°	plastic guide ring D = 22,2; 10°	7980.022.10	12,00
Inbusschraube Nr. 3	allen screw no. 3	7980.000.03	1,80

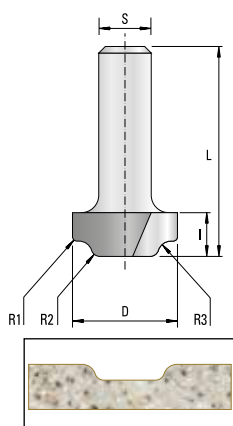
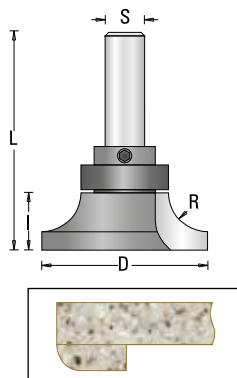
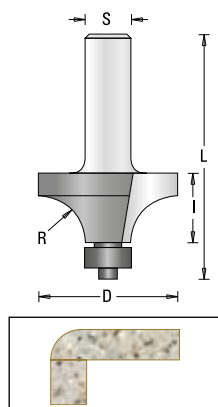
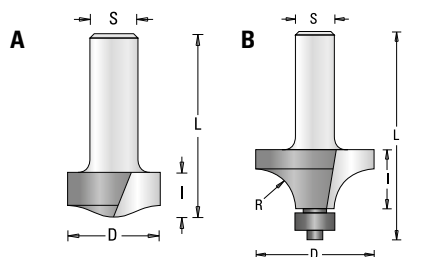
HW-Schwallrandfräser mit Kunststoff-Anlauflager HW nose cutter with plastic guide bearing

D	I1	I2	L	R	S	Best.-Nr./Part No.	Euro
25	29	24	85	8	12	7980.250.12	58,10

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	8,90
Kunststoff-Anlaufring ϕ 19,0; 0°	plastic guide ring ϕ 19,0; 0°	7980.019.00	3,20
Sicherungsring Nr. 1	safety ring no. 1	7980.001.00	1,40
Inbusschraube Nr. 1	allen screw no. 1	7980.000.01	1,40



7980 Corian



Fortsetzung

Continuation

HW-Schwallrandfräser mit HW-Abundfräser 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	46,70
B	28,6	13,5	61	8			12	7980.080.12	41,30

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	7,70
Kunststoff-Anlaufring D 12,7; 0°	plastic guide ring D 12,7; 0°	7980.012.00	3,20
Sicherungsring Nr. 1	safety ring no. 1	7980.001.00	1,40
Inbusschraube Nr. 2	allen screw no. 2	7980.000.02	1,40

HW-Abundfräser 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	46,70

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	7,70
Kunststoff-Anlaufring ø 12,7; 0°	plastic guide ring D = 12,7; 0°	7980.012.00	3,20
Sicherungsring Nr. 1	safety ring no. 1	7980.001.00	1,40
Inbusschraube Nr. 2	allen screw no. 2	7980.000.02	1,40

HW-Abundfräser 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	118,30

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Kugellager D = 24,0 d = 15	ball bearing D = 24,0 d = 15	7050.100.24	10,90
Kunststoff-Anlaufring D = 28,6; 0°	plastic guide ring D = 28,6; 0°	7980.028.00	9,90
Sicherungsring Nr. 2	safety ring no. 2	7980.002.00	4,20
Inbusschraube Nr. 4	allen screw no. 4	7980.000.04	1,40

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	46,70

NOVA-WPL-Oberfräser Grundkörper Z2

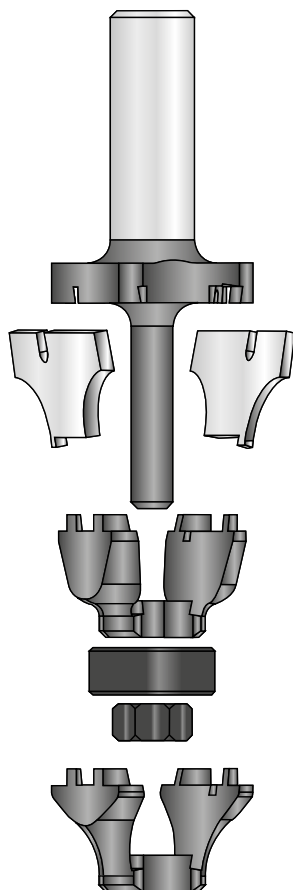
NOVA-Router Tool Body Z2

7979

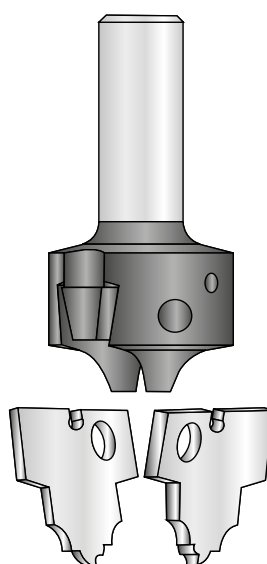
		S	Best.-Nr./Part No.	Euro
Grundkörper A	Tool body A	S8	7979.001.80	68,30
Grundkörper A	Tool body A	S12	7979.001.12	68,30
Kugellager ø19x6,35	ball bearing ø19x6,35		7050.100.19	8,90

		S	Best.-Nr./Part No.	Euro
Grundkörper B	Tool body B	S8	7979.002.80	50,20
Grundkörper B	Tool body B	S12	7979.002.12	50,20

Grundkörper A
Tool body A



Grundkörper B
Tool body B

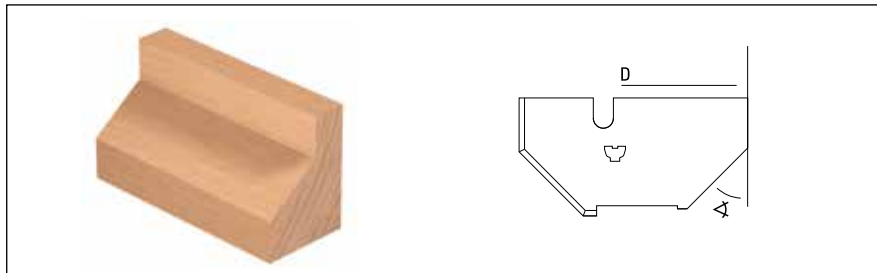
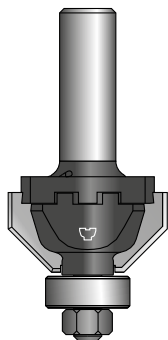


7979

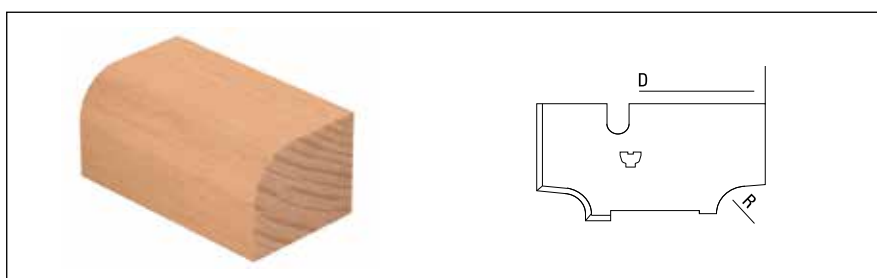
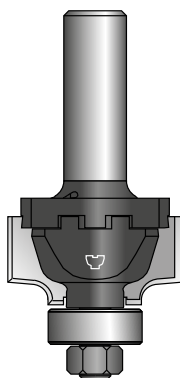
NOVA-Profilmesser

NOVA Profile Knives

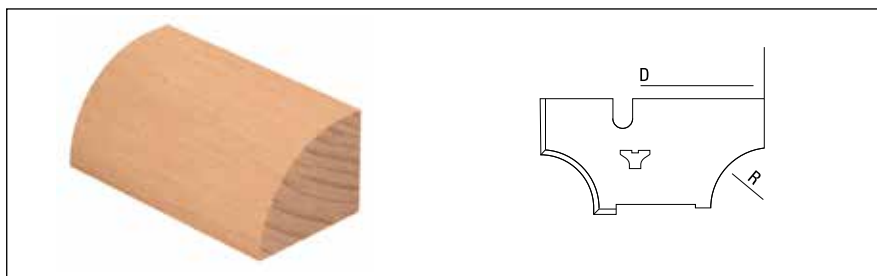
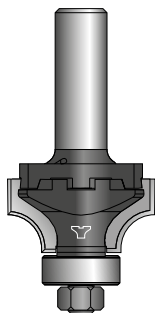
		Grundkörper / Tool body	Profile / Profile	Best.-Nr./Part No.	Euro
HW-Fasemesser 30°	HW bevel knife 30°	A	A 01	4209.030.00	15,00
HW-Fasemesser 45°	HW bevel knife 45°	A	A 02	4209.045.00	15,00



		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	15,00
HW-Abrundmesser R4,8	HW rounding knife R4,8	A	A 04	4209.480.00	15,00



		Grundkörper / Tool body	Profile / Profile	Best.-Nr./Part No.	Euro
HW-Abrundmesser R6,35	HW rounding knife R6,35	A	A05	4209.635.00	15,00
HW-Abrundmesser R7,9	HW rounding knife R7,9	A	A06	4209.790.00	15,00
HW-Abrundmesser R9,5	HW rounding knife R9,5	A	A07	4209.950.00	15,00

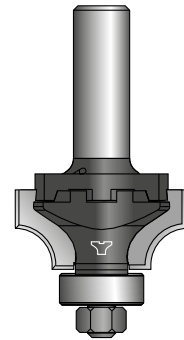
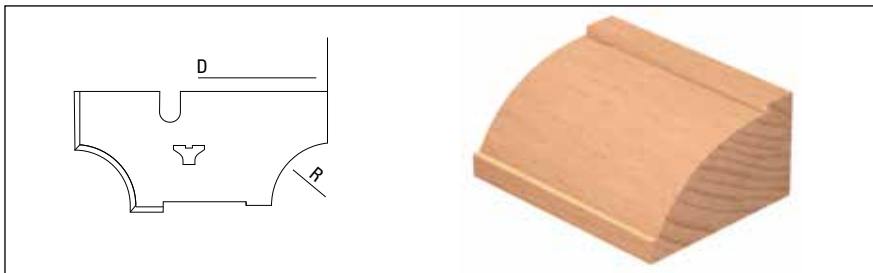


NOVA-Profilmesser

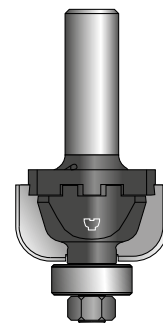
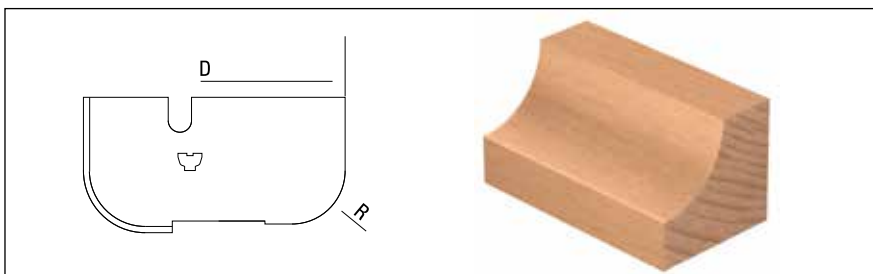
NOVA Profile Knives

7979

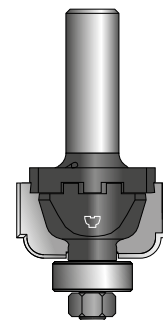
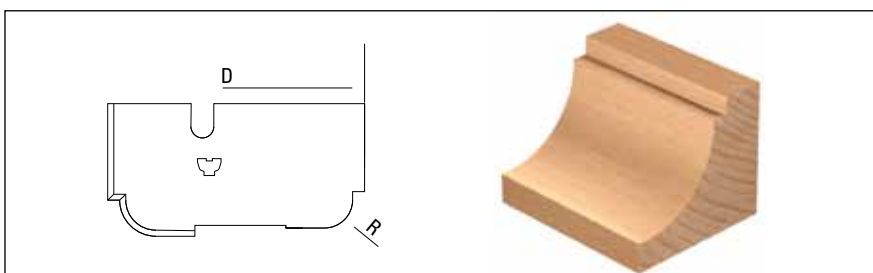
		Grundkörper / Tool body	Profile / Profile	Best.-Nr./Part No.	Euro
HW-Viertelstabmesser R4,8	HW quarter round knife R4,8	A	A08	4209.480.01	15,00
HW-Viertelstabmesser R6,35	HW quarter round knife R6,35	A	A09	4209.635.01	15,00
HW-Viertelstabmesser R7,9	HW quarter round knife R7,9	A	A10	4209.790.01	15,00



		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	15,00
HW-Hohlkehlmesser R7,9	HW convex radius knife R7,9	A	A12	4209.079.00	15,00
HW-Hohlkehlmesser R9,5	HW convex radius knife R9,5	A	A13	4209.095.00	15,00



		Grundkörper / Tool body	Profile / Profile	Best.-Nr./Part No.	Euro
HW-Profilmesser R4,8	HW profile knife R4,8	A	A14	4209.044.01	15,00

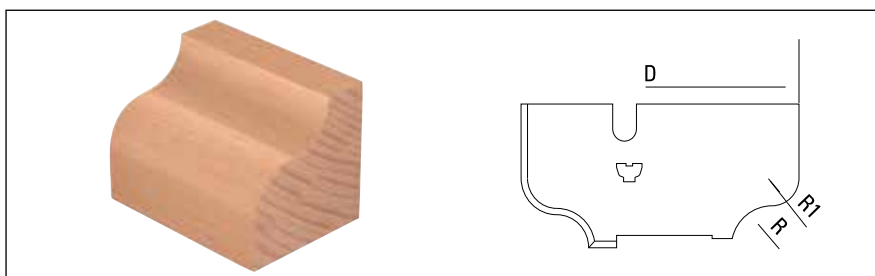
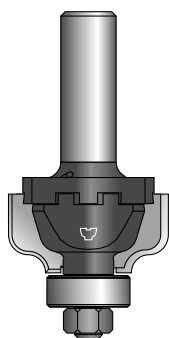


7979

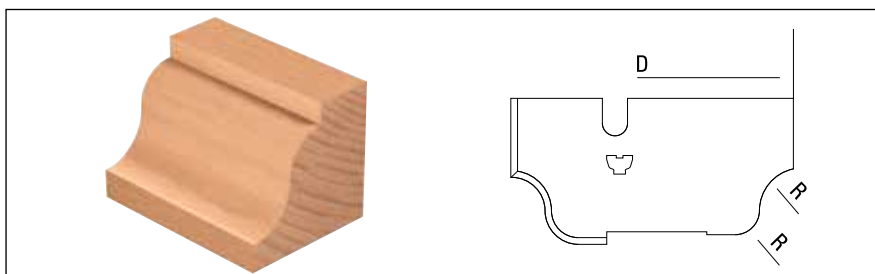
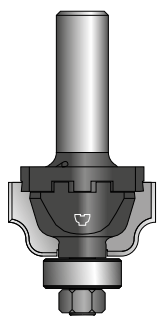
NOVA-Profilmesser

NOVA Profile Knives

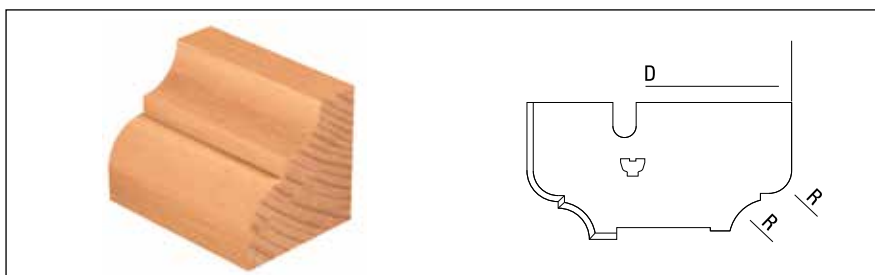
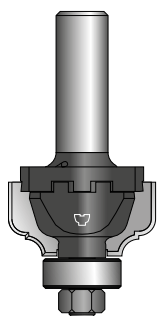
		Grundkörper / Tool body	Profile / Profile	Best.-Nr./Part No.	Euro
HW-Profilmesser R4/R4,5, D 36	HW profile knife R4/R4,5	A	A15	4209.440.00	16,20
HW-Profilmesser R4/R4,5, D 38	HW profile knife R4/R4,5	A	A16	4209.440.01	15,00



		Grundkörper / Tool body	Profile / Profile	Best.-Nr./Part No.	Euro
HW-Profilmesser R4/R4	HW profile knife R4/R4	A	A17	4209.040.01	15,00



		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	16,20
HW-Profilmesser R4/R4, D 38	HW profile knife R4/R4, D 38	A	A19	4209.400.01	16,20

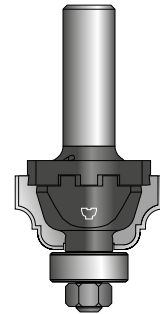
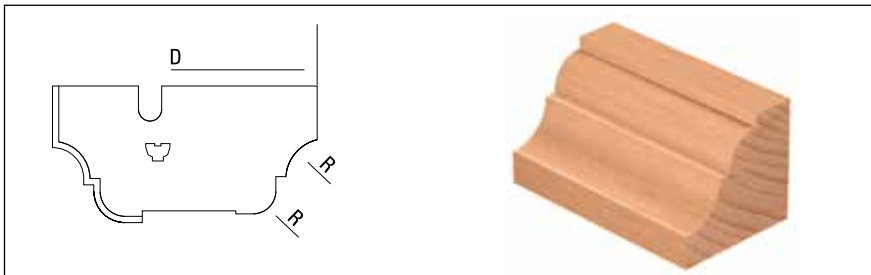


NOVA-Profilmesser

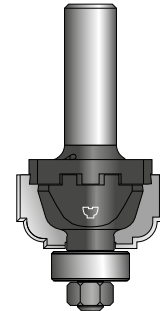
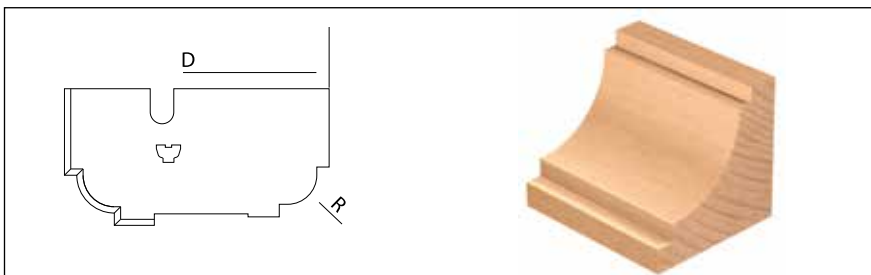
NOVA Profile Knives

7979

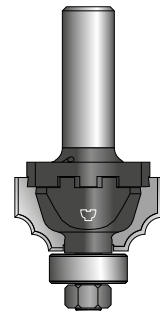
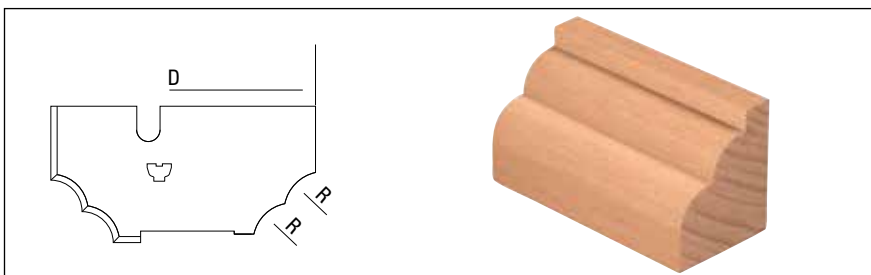
		Grundkörper / Tool body	Profile / Profile	Best.-Nr./Part No.	Euro
HW-Profilmesser R4/4	HW profile knife R4/4	A	A20	4209.040.00	16,20



		Grundkörper / Tool body	Profile / Profile	Best.-Nr./Part No.	Euro
HW-Profilmesser R4,8	HW profile knife R4,8	A	A21	4209.044.00	15,00



		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	16,20
HW-Profilmesser R4/4, D 38	HW profile knife R4/4	A	A23	4209.404.01	16,20

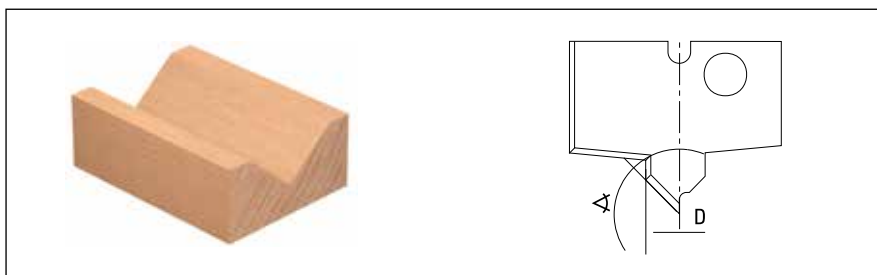
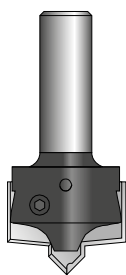


7979

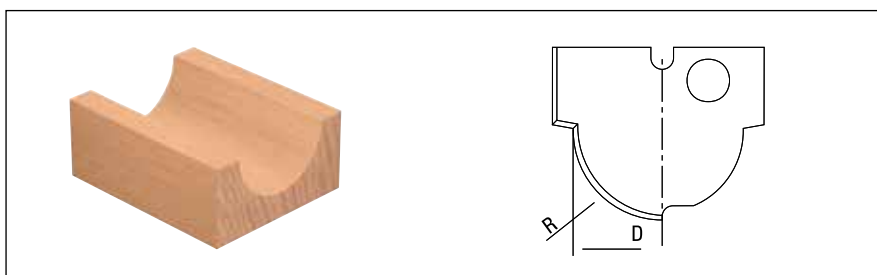
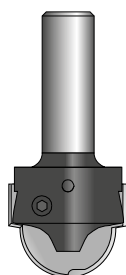
NOVA-Profilmesser

NOVA Profile Knives

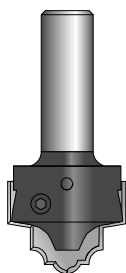
		Grundkörper / Tool body	Profile / Profile	Best.-Nr./Part No.	Euro
HW-V-Nutmesser 90°	HW V-groove knife 90°	B	B51	4209.090.02	15,20
HW-V-Nutmesser 60°	HW V-groove knife 60°	B	B52	4209.060.02	15,20



		Grundkörper / Tool body	Profile / Profile	Best.-Nr./Part No.	Euro
HW-Hohlkehlmesser R6,35	HW concave knife R6,35	B	B53	4209.006.02	15,20
HW-Hohlkehlmesser R12,7	HW concave knife R12,7	B	B54	4209.012.02	15,20



		Grundkörper / Tool body	Profile / Profile	Best.-Nr./Part No.	Euro
HW-Profilmesser R4/R4	HW profile knife R4/R4	B	B55	4209.040.02	15,20



Spannzangenfutter 3-teilig

3-Part Collet Chucks

7060

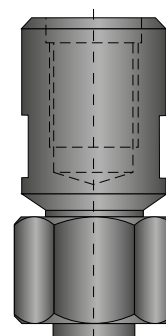
Innengewinde M10 / Internal thread M 10

d	Größe/Size	Best.-Nr./Part No.	Euro
6	1	7060.010.60	38,00
8	1	7060.030.80	38,00

Innengewinde M12x1 / Internal thread M 12x1

d	Größe/Size	Best.-Nr./Part No.	Euro
6	1	7060.100.60	38,00
8	1	7060.300.80	38,00
10	2	7060.400.10	38,00
12	3	7060.500.12	50,70

Ersatzteile	Spare Parts	Best.-Nr./Part No.	Euro
Spannzange Größe 1, d6	collet size 1, d6	7060.110.60	18,60
Spannzange Größe 1, d8	collet size 1, d8	7060.310.80	18,60
Spannzange Größe 2, d10	collet size 2, d10	7060.410.10	18,60
Spannzange Größe 3, d12	collet size 3, d12	7060.510.12	21,70
Überwurfmutter Größe 1	union nut size 1	7060.000.01	5,00
Überwurfmutter Größe 2	union nut size 2	7060.000.02	5,40
Überwurfmutter Größe 3	union nut size 3	7060.000.03	8,30

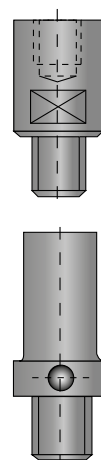


Gewindereduktion

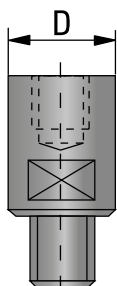
Thread Reduction

7070

Ausführung	Version	Best.-Nr./Part No.	Euro
M12x1 Innen auf M10 Aussen	M12x1 inside on M10 outside	7070.012.10	15,70
10x35 zyl. auf M12x1 Aussen	10x35 cyl. on M12x1 outside	7070.100.12	23,30
M12x1 Aussen auf 12x50 zyl.	M12x1 outside on 12x50 cyl.	7070.201.12	23,90
M10 Aussen auf 12x35 zyl.	M10 outside on 12x35 cyl.	7070.200.10	23,30
M16 Aussen auf M10 Aussen	M16 outside on M10 outside	7070.016.10	26,40
M16 Aussen auf M12x1 Aussen	M16 outside on M12x1 outside	7070.016.12	26,40



7080



Verlängerung

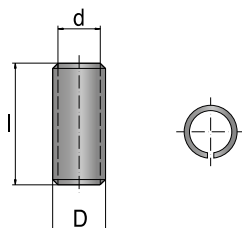
- M12x1 D = 18 mm
- M10 D = 16 mm

Extensions

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

Ausführung	Version	l	Best.-Nr./Part No.	Euro
M12x1 Innen auf M12x1 Aussen	M12x1 inside on M12x1 outside	18	7080.012.18	15,30
M12x1 Innen auf M12x1 Aussen	M12x1 inside on M12x1 outside	25	7080.012.25	15,90
M12x1 Innen auf M12x1 Aussen	M12x1 inside on M12x1 outside	35	7080.012.35	16,60
M10 Innen auf M10 Aussen	M10 inside on M10 outside	20	7080.010.20	15,30
M10 Innen auf M10 Aussen	M10 inside on M10 outside	40	7080.010.40	18,30

7035



Spannhülsen geschlitzt

Mounting Sleeves, slotted

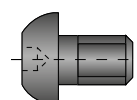
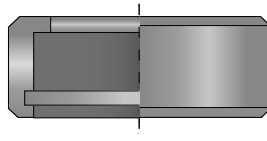
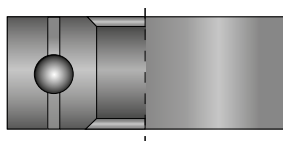
d	D	l	Best.-Nr./Part No.	Euro
6	8	23	7035.060.80	12,40
8	10	23	7035.080.10	13,90
8	12	23	7035.080.12	13,00

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	6,20
Kugellager ø 9,5x3	ball bearing ø 9,5x3	7050.101.95	7,70
Kugellager ø 9,5x4,76	ball bearing ø 9,5x4,76	7050.100.95	7,70
Kugellager ø 10x4	ball bearing ø 10x4	7050.100.10	8,90
Kugellager ø 12,7x4,76	ball bearing ø 12,7x4,76	7050.100.12	8,90
Kugellager ø 12,7x6,35	ball bearing ø 12,7x6,35	7050.101.12	8,90
Kugellager ø 15,9x6,35x5	ball bearing ø 15,9x6,35	7050.100.15	8,90
Kugellager ø 16x4,7	ball bearing ø 16x4,7	7050.100.16	8,90
Kugellager ø 16x5	ball bearing ø 16x5	7050.100.14	8,90
Kugellager ø 16x6x5	ball bearing ø 16x6x5	7050.160.16	8,90
Kugellager ø 16x8	ball bearing ø 16x8	7050.180.16	8,90
Kugellager ø 19x4,7	ball bearing ø 19x4,7	7050.100.18	8,90
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	8,80
Kugellager ø 19x6,35	ball bearing ø 19x6,35	7050.100.19	8,90
Kugellager ø 22x7	ball bearing ø 22x7	7050.100.22	10,90
Kugellager ø 22x8	ball bearing ø 22x8	7050.180.22	10,90
Kugellager ø 24x15	ball bearing ø 24x15	7050.100.24	10,90
Kugellager ø 25,4x6,3	ball bearing ø 25,4x6,3	7050.200.25	11,90
Kugellager ø 28,6x12,7	ball bearing ø 28,6x12,7	7050.100.28	4,90
Kugellager ø 35x15	ball bearing ø 35x15	7050.200.35	6,20
Spannmutter M6	lock nut M6	7050.300.06	1,80
Spannmutter M8	lock nut M8	7050.300.08	1,80
Torx-Spannschraube Großkopf M4x5,9 (T15)	Torx screw M4x5,9 (T15)	7050.400.10	1,40
Torx-Spannschraube M4x5,6 (T15)	Torx screw M4x5,6 (T15)	7050.400.12	1,40
Torx-Schraubendreher T 1,5	Torx key T1,5	7050.150.00	8,30
Torx-Schraubendreher T15	Torx key T15	7050.400.00	5,60

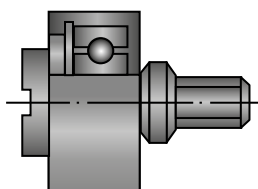


Wechsel-Anlaufsatz für Handoberfräser

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	18,10
Anlaufsatz für d Ø 12 mm	guide ball-bearing set for d Ø 12 mm	7020.120.00	19,30
Anlaufsatz für d Ø 14 mm	guide ball-bearing set for d Ø 14 mm	7020.140.00	21,30



7900 SET



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

- Schaft 8 mm
- mit 3 Ersatz-Anlauflagern

Artikelbezeichnung	Item Description	D	l1	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	199,70

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-Anlauflager

Best. Nr. /Part No.:	Euro
7741.000.06	199,70

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



HW-Nutfräser-Kassette 11-teilig

D	I	L	S	Z
3	11	51	8	2
4	11	51	8	2
5	11	51	8	2
6	19	57	8	2
8	19	57	8	2
8	30	90	8	2
10	19	51	8	2
12	19	51	8	2
12	30	90	8	2
16	30	90	8	2
20	19	51	8	2

HW Straight Bit Cassette 11-Parts



7520 SET



Best. Nr. /Part No.:

7520.000.11

Euro

199,70

HW-Fase-Abrundfräser-Kassette 4-teilig

Artikelbezeichnung	Item Description	D	d	I	L	S	R	↖
Fasefräser Z2 mit Anlauflager	Bevel Cutter Z2 with ball bearing	60,5		25,4	74	12		45°
Halbhohlkehlfäser Z2	Half Cove Cutter Z2	57,1	12,7		31,8	12	22,2	
Abrundfräser Z 2	Rounding Cutter Z2	53	12,7			12	20	
Abrundfräser Z 2	Rounding Cutter Z2	63	12,7			12	25	

HW Bevel Rounding Cutter Cassette 4-Parts

7741 SET

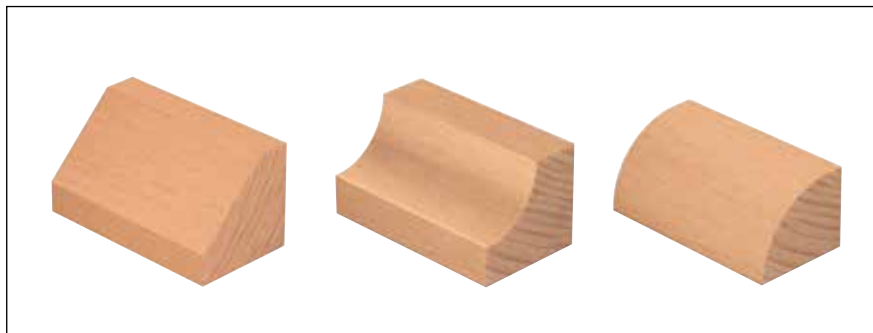


Best. Nr. /Part No.:

7741.000.12

Euro

384,80



7523 Set 1



Set 1 HW-Nutfräser für den Innenausbau

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	83,50

7523 Set 2



Set 2 HW-Nutfräser für den Fensterbau

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	95,60

7900 Set 3



Set 3 HW-WPL-Bündigfräser/ Fase-Abrundfräser

Set 3 HW Turnblade Trimming Cutter/ Bevel Rounding Cutter

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	95,60

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	6,50
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	8,20