

ProChipper®



tooling systems



Fräswerkzeuge mit Bohrung, profiliert
Bored, profiled Cutting Tools



Zum Fügen, Fasen bzw. Abrunden variabler Holzstärke
For jointing, chamfering, or rounding wood of variable thickness

MEC

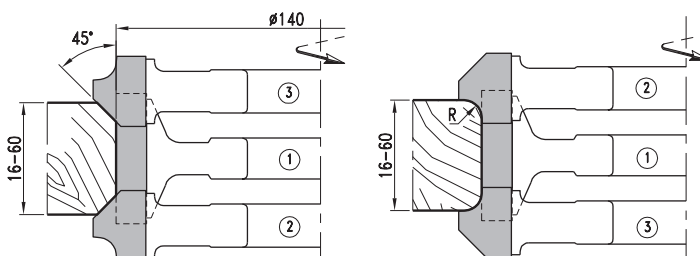
HW

Nr.	D	B	d	Z	R	n _{max}	Art. Nr.
1	140	60	30/50	3		8500	8214.140.060
2	153	18	30/50	3	5	8500	8214.153.018
3	153	18	30/50	3	5	8500	8214.153.118
1+2+3			30/50	3		8500	8214.000.000

- HW-bestückte Füge-, Fase- und Abrundfräser - Kombinationswerkzeuge zum Fügen, Fasen und Abrunden von Holz unterschiedlicher Stärke für mechanischen Vorschub
- *TC-tipped jointing, chamfering, and rounding cutters - combination tools for jointing, chamfering, and rounding wood of varying thicknesses for mechanical feed*

Ersatzteile
Spare parts

B	Art. Nr.
Zwischenringsatz - <i>Spacer set</i>	703.015



- Einstellung der Holzstärke über Zwischenringe von 16 mm - 60 mm
- *adjustment of wood thickness using spacer rings from 16 mm - 60 mm*



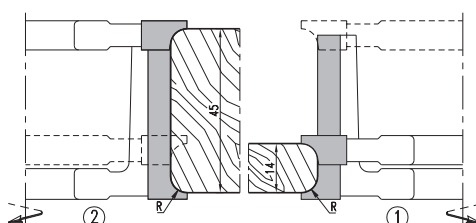
Zum Fügen bzw. Abrunden variabler Holzstärken
For jointing and rounding wood of variable thickness

MEC

HW

Nr.	D	d	Z	R	n _{max}	Art. Nr.
1	140	50	4	3	9500	8284.140.003
1	140	50	4	5	9500	8284.140.005
1	140	50	4	8	9500	8284.140.008
2	140	50	4	3	9500	8284.140.103
2	140	50	4	5	9500	8284.140.105
2	140	50	4	8	9500	8284.140.108

- HW-bestückte Füge- und Abrundfräser - Kombinationswerkzeuge zum Fügen und Abrunden von Holz unterschiedlicher Stärke für mechanischen Vorschub
- Einstellung der Holzstärke über Zwischenringe von 14 mm - 45 mm
- *TC-tipped jointing and rounding cutters - combination tools for jointing and rounding wood of varying thicknesses for mechanical feed*
- *adjustment of wood thickness using spacer rings from 14 mm - 45 mm*




Riffel Profilbeispiel am Hydrofräser
Example of a profiled hydro cutter

MEC

- Hydro-Profilhobelwerkzeuge mit hochpräziser, zentrischer Hydrospannung gewährleisten eine maximale Rundlaufgenauigkeit. Die Profilierung der festbestückten Hydro-Ausführung mit Schneiden aus HS bzw. HM erfolgt individuell nach Kundenwunsch. Diese Werkzeugsysteme erzeugen ein gleichmäßiges, nahezu messerschlagfreies Hobelbild. Durch die festbestückte Ausführung ist eine enge Verzahnung möglich, was zu erhöhter Produktivität bei hohen Vorschubgeschwindigkeiten führt.
- Hydro profile planing tools with high-precision central hydro clamping ensure maximum running accuracy. The profile design of the fixed-tip hydro version, equipped with HSS or carbide, is manufactured according to customer specifications. These tool systems produce a consistent, nearly chatter-free surface finish. The fixed-tipped design allows for tight tooth spacing, resulting in increased productivity at high feed rates.*


Auslieferung mit Kantenrunder R=3
Cutter set supplied with edge rounding blade R=3

MAN

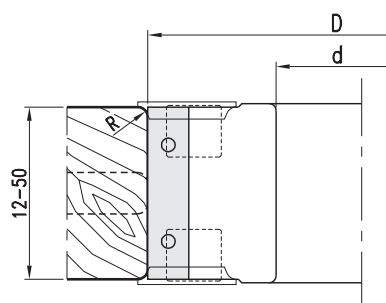
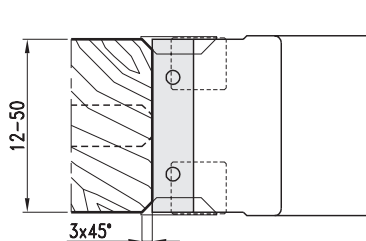
HW

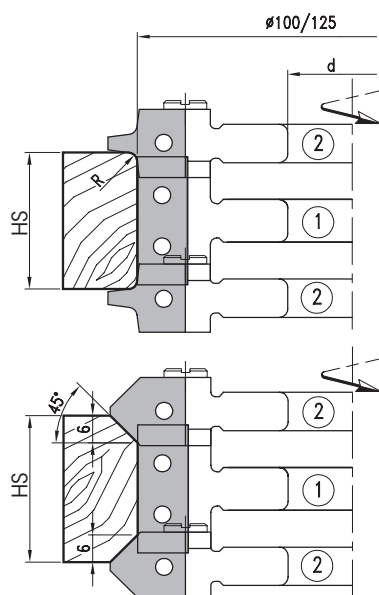
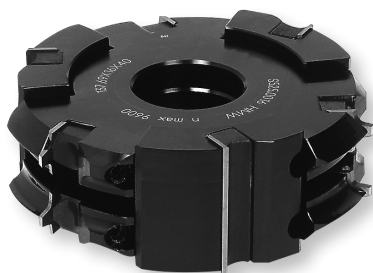
D	B	d	Z	C	$n_{min} - n_{max}$	Art. Nr.
125	50	40/50	4	4	6200-12600	4869.125.050

- Fasefräser für Handvorschub: vielseitiger WP-Fase- oder Abrundfräser zum Fügen, Fasen bzw. Abrunden von Holz unterschiedlicher Stärke bei manuellem Vorschub
- Die Holzstärke wird über auf einer Skala verschiebbare Messträger eingestellt und ist im Bereich 12 mm bis 50 mm variabel einstellbar
- chamfer cutter for manual feed: a versatile chamfer and rounding cutter for jointing, chamfering, and rounding wood of varying thicknesses in manual feed*
- wood thickness is adjusted via holders that are movable along a scale and can be set between 12 mm and 50 mm*

Wendemesser/Ersatzteile
Reversible knives/Spare parts

	Dim.	Art. Nr.
Zwischenringsatz - <i>Spacer set</i>	50x12x1,5	750.106
Spannkeil - <i>Clamping wedge</i>		707.002.48
Gewindestift - <i>Set screw</i>	M8x16	705.542
Fasenmesser - <i>Chamfering blade</i>	45°	780.260
Kantenrunder - <i>Edge rounding blade</i>	R=2	780.250
Kantenrunder - <i>Edge rounding blade</i>	R=3	780.251
Spannschraube - <i>Clamping screw</i>	M5x13,5	705.318
Gewindestift - <i>Set screw</i>	M5x12	705.523
Sechskantschlüssel - <i>Allen key</i>	SW2,5 (M5)	706.102
Sechskantschlüssel - <i>Allen key</i>	SW4 (M8)	706.104



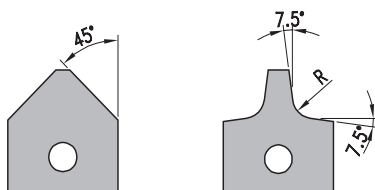


	Nr.1 (B 30)		Nr.1 (B 50)	
	HS min-max	2x(1)	HS min-max	2x(1)
R2- 6/45°	12-39	703.009	16-60	703.015
R8- 12/45°	20-47	703.010	20-67	703.012

(1) Verstellbarkeit der Holzstärke, Art. Nr. Zwischenringsatz

(1) adjustability of wood thickness (HS),
Art. No. spacer set

• RPM	D100-113	n _{max} 11800
	D125-137	n _{max} 9100
	D125-146	n _{max} 9100


Kombinationswerkzeuge zum Fasen bzw. Abrunden variabler Holzstärken
Combination tools for chamfering and rounding wood of variable thickness

MEC

HW

Nr.	D	B	d	Z	R	Art. Nr.
1	100	30	30	2		5214.100.030
1	100	50	30	2		5214.100.050
1	125	30	40/50	3		5214.125.030
1	125	50	40/50	3		5214.125.050
2	113	16	30	2	2,3,4,5,6 / 45°	① 5214.113.016
2	137	16	40/50	3	2,3,4,5,6 / 45°	① 5214.137.016
2	146	25	40/50	3	8,10 / 45°	① 5214.146.025

① Ohne Wendemesser und Zwischenringsatz, bitte bestellen Sie diese separat.

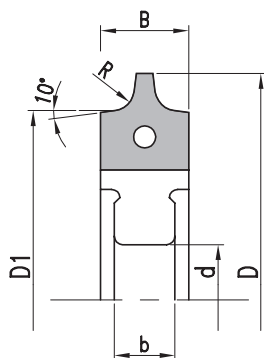
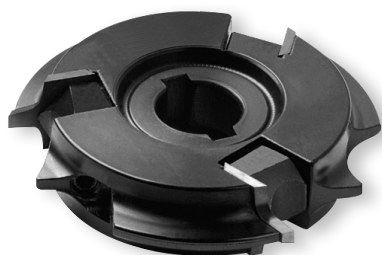
① reversible blades and spacer set are not included, please order them separately

Wendemesser/Ersatzteile
Reversible knives/Spare parts

	Dim.	R	Art. Nr.
Wendemesser - Reversible knife	30x12x1,5		750.104
	50x12x1,5		750.106
	16x17,5x2	R2	765.101
	16x17,5x2	R3	765.102
	16x17,5x2	R4	765.103
	16x17,5x2	R5	765.104
	16x17,5x2	R6	765.105
	25x25x2	R8	765.107
	25x25x2	R10	765.109
	16x17,5x2	7x45°	765.501
Spannkeil - Clamping wedge	25x25x2	10x45°	765.502
	B30		707.001.28
	B50		707.001.48
		R2-6 / 45°	707.155
		R8-10 / 45°	707.280
Gewindestift - Set screw	M6x10	R2-6 / 45°	705.532
	M8x12	R8-10 / 45°	705.541
Sechskantschlüssel - Allen key	SW3 (M6)		706.103
	SW4 (M8)		706.104

Einstellung der Holzstärke mit Zwischenringen – folgende Holzstärken sind einstellbar:
Adjustment of wood thickness through spacer rings - available thickness settings

	Holzstärke
D100/D113 B30 Z=2 R2-6 bzw. 45°	12-39 mm
D100/D113 B50 Z=2 R2-6 bzw. 45°	16-60 mm
D125/D137 B30 Z=3 R2-6 bzw. 45°	12-39 mm
D125/D137 B50 Z=3 R2-6 bzw. 45°	16-60 mm
D125/D146 B30 Z=3 R8-10 bzw. 45°	20-47 mm
D125/D146 B50 Z=3 R8-10 bzw. 45°	20-67 mm


WP-Abrundfräser für runde Anleimerkanten an Kantenbearbeitungsanlagen
Rounding cutter with reversible knives for round edgebandings on edge processing machines

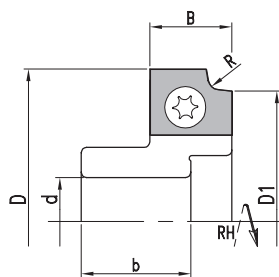
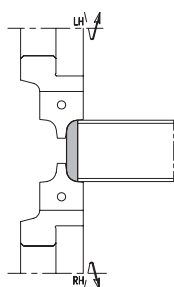
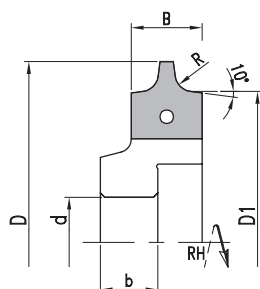
MEC

HW

D	D1	B/d	d	DKN	R	Z	n _{max}	Art. Nr.
Homag - Gabbiani - Ott								
73	61,0	16/11	16	5x2,3	2	3	18000	5114.073.002
73	61,0	16/11	16	5x2,3	3	3	18000	5114.073.003
73	61,0	16/11	16	5x2,3	4	3	18000	5114.073.004
73	61,0	16/11	16	5x2,3	5	3	18000	5114.073.005
HolzHer								
73	61,0	16/11	20	6x3,5	2	3	18000	5114.173.002
73	61,0	16/11	20	6x3,5	3	3	18000	5114.173.003
73	61,0	16/11	20	6x3,5	4	3	18000	5114.173.004
73	61,0	16/11	20	6x3,5	5	3	18000	5114.173.005
IDM								
73,3	61,3	16/10	16	5x2,3	2	3	18000	5114.273.002
73,3	61,3	16/10	16	5x2,3	3	3	18000	5114.273.003
73,3	61,3	16/10	16	5x2,3	4	3	18000	5114.273.004
73,3	61,3	16/10	16	5x2,3	5	3	18000	5114.273.005
IMA - Wilmsmeyer								
82	70,0	16/10	20	6x3,5	2	4	18000	5114.082.002
82	70,0	16/10	20	6x3,5	3	4	18000	5114.082.003
82	70,0	16/10	20	6x3,5	4	4	18000	5114.082.004
82	70,0	16/10	20	6x3,5	5	4	18000	5114.082.005

Wendemesser/Ersatzteile*Reversible knives/Spare parts*

	Dim.	R	Art. Nr.
Wendemesser - <i>Reversible knife</i>	16x17,5x2	R 2	765.101
	16x17,5x2	R 3	765.102
	16x17,5x2	R 4	765.103
	16x17,5x2	R 5	765.104
Spannkeil - <i>Clamping wedge</i>			707.155
Gewindestift - <i>Set screw</i>	M6x12		705.533
Sechskantschlüssel - <i>Allen key</i>	SW3		706.103


WP-Abrundfräser für runde Anleimerkanten an Kantenbearbeitungsanlagen
Rounding cutter with reversible knives for round edgebandings on edge processing machines
MEC**HW**

D	D1	B/d	d	DKN	R	Z	n _{max}	Art. Nr. RH	Art. Nr. LH
IMA									
82	70	16/13	20	6x3,5	2	4	18000	5174.082.002	5174.082.102
	70	16/13	20	6x3,5	3	4	18000	5174.082.003	5174.082.103
	70	16/13	20	6x3,5	4	4	18000	5174.082.004	5174.082.104
	70	16/13	20	6x3,5	5	4	18000	5174.082.005	5174.082.105

Wendemesser/Ersatzteile
Reversible knives/Spare parts

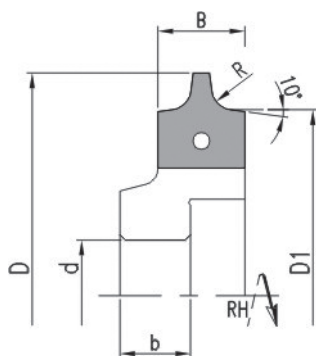
	Dim.	R	Art. Nr.
Wendemesser - <i>Reversible knife</i>	16x17,5x2	R 2	765.101
	16x17,5x2	R 3	765.102
	16x17,5x2	R 4	765.103
	16x17,5x2	R 5	765.104
Spannkeil - <i>Clamping wedge</i>			707.155
Gewindestift - <i>Set screw</i>	M6x12		705.533
Sechskantschlüssel - <i>Allen key</i>	SW3		706.103

WP-Abrundfräser für runde Anleimerkanten an Kantenbearbeitungsanlagen
Rounding cutter with reversible knives for round edgebandings on edge processing machines
MEC**HW**

D	D1	B/d	d	DKN	R	Z	n _{max}	Art. Nr. RH	Art. Nr. LH
SCM									
55,5	47,5	15/20	20	6x3,5	1,0	2	18000	5174.056.001	5174.056.101
55,5	47,5	15/20	20	6x3,5	1,5	2	18000	5174.056.002	5174.056.102
55,5	47,5	15/20	20	6x3,5	2,0	2	18000	5174.056.202	5174.056.302
55,5	47,5	15/20	20	6x3,5	2,5	2	18000	5174.056.003	5174.056.103
55,5	47,5	15/20	20	6x3,5	3,0	2	18000	5174.056.203	5174.056.303

Wendemesser/Ersatzteile
Reversible knives/Spare parts

	Dim.	R	Art. Nr.
Wendemesser - <i>Reversible knife</i>	15x12x1,5	R 1,0	765.200
	15x12x1,5	R 1,5	765.201
	15x12x1,5	R 2,0	765.202
	15x12x1,5	R 2,5	765.203
Spannkeil - <i>Clamping wedge</i>	15x12x1,5	R 3,0	765.204
Torx Schrauben - <i>Torx screws</i>	M3,5x7,5		705.352
Sechskantschlüssel - <i>Allen key</i>	T15		706.302


WP-Abrundfräser für runde Anleimerkanten an Kantenbearbeitungsanlagen
Rounding cutter with reversible knives for edge bandings on edge processing machines

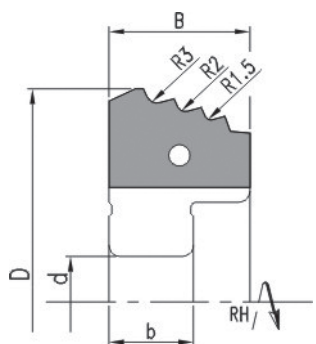
MEC

HW

D	B/d	d	DKN	R	Z	n _{max}	Art. Nr. RH	Art. Nr. LH
Biese								
70	16/19	16	5x2,3	2	6	18000	5174.070.002	5174.070.102
70	16/19	16	5x2,3	3	6	18000	5174.070.003	5174.070.103
70	16/19	16	5x2,3	4	6	18000	5174.070.004	5174.070.104
70	16/19	16	5x2,3	5	6	18000	5174.070.005	5174.070.105

Wendemesser/Ersatzteile
Reversible knives/Spare parts

	Dim.	R	Art. Nr.
Wendemesser - <i>Reversible knife</i>	16x17,5x2	R 2	765.101
	16x17,5x2	R 3	765.102
	16x17,5x2	R 4	765.103
	16x17,5x2	R 5	765.104
Spannkeil - <i>Clamping wedge</i>			707.155
Gewindestift - <i>Set screw</i>	M6x12		705.533
Sechskantschlüssel - <i>Allen key</i>	SW3		706.103


WP-Multi-Abrundfräser für unterschiedliche Radien der Anleimerkante
Multi-radius edge rounding cutter with reversible knives for different edgeband radii

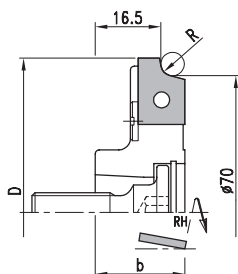
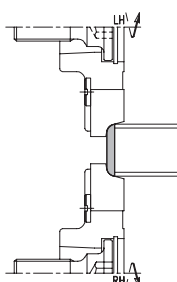
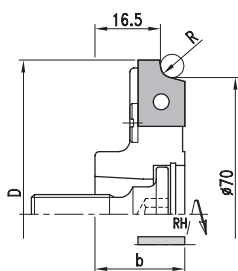
MEC

HW

D	B	d	DKN	R	Z	n _{max}	Art. Nr. RH	Art. Nr. LH
Biese								
75	25	20	6x3,5	1,5/2/3	4	18000	5174.075.002	5174.075.102

Wendemesser/Ersatzteile
Reversible knives/Spare parts

	Dim.	R	Art. Nr.
Wendemesser - <i>Reversible knife</i>	25x18,5x2	R 1,5/R2/R3	765.112
Spannkeil - <i>Clamping wedge</i>			707.557.01
Gewindestift - <i>Set screw</i>	M6x12		705.533
Sechskantschlüssel - <i>Allen key</i>	SW3		706.103



- Mit ziehendem Schnitt
- with axial angle

WP-Abrundfräser mit HSK25R Aufnahme für runde Anleimerkanten an Kantenbearbeitungsanlagen
Rounding cutter with replaceable knives and HSK25R shank for edge banding on edge processing machines

MEC

HW

D	b	d	Z	R	n _{max}	Art. Nr. RH	Art. Nr. LH
Homag - IMA							
79	23	HSK25R	4	2	18000	5112.079.002	5112.079.102
79	23	HSK25R	4	3	18000	5112.079.003	5112.079.103
85	24	HSK25R	4	4	17700	5112.085.004	5112.085.104
85	24	HSK25R	4	5	17700	5112.085.005	5112.085.105

Wechselmesser/Ersatzteile*Replacement knives/Spare parts*

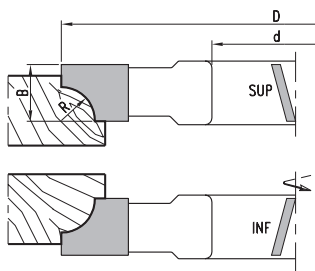
	R	Dim.	Art. Nr. RH	Art. Nr. LH
Wechselmesser - Replacement knife	2	12x17x2	765.201	765.202
	3	12x17x2	765.203	765.204
	4	12x20x2	765.205	765.206
	5	12x20x2	765.207	765.208
Spannkeil - Clamping wedge			707.900.01	707.900.02
Gewindestift - Set screw		M6x12		705.533
Sechskantschlüssel - Allen key		SW3		706.103
Spannschraube für HSK25R - Clamping screw for HSK25R		M10x1,25		705.099
Sechskantschlüssel - Allen key		SW10		706.107

Ausführung mit ziehendem Schnitt*With axial angle*

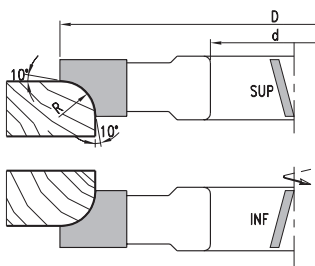
D	b	d	Z	R	n _{max}	Art. Nr. RH	Art. Nr. LH
Homag - IMA							
79	23	HSK25R	4	2	18000	5112.079.202	5112.079.302
79	23	HSK25R	4	3	18000	5112.079.203	5112.079.303

Wechselmesser/Ersatzteile*Replacement knives/Spare parts*

	R	Dim.	Art. Nr. RH	Art. Nr. LH
Wendmesser - Replacement knife	2	12x17x2	765.209	765.210
	3	12x17x2	765.211	765.212
Spannkeil - Clamping wedge			707.902.03	707.902.04
Gewindestift - Set screw		M6x12		705.533
Spannschraube für HSK25R - Clamping screw for HSK25R		M10x1,25		705.099
Sechskantschlüssel - Allen key		SW10		706.107



- Mit ziehendem Schnitt
- with axial angle



- Mit ziehendem Schnitt
- with axial angle

HW-bestückter Viertelstabfräser zum Abrunden mit ziehendem Schnitt
TC-tipped quarter-round cutter for rounding with axial angle

MAN

HW

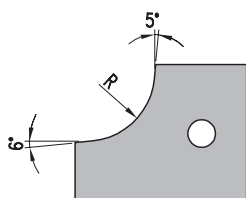
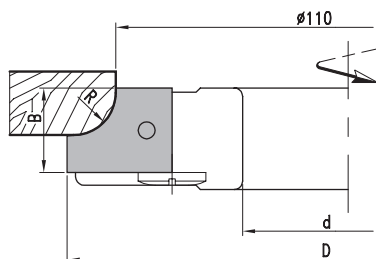
D	B	d	Z	R	$n_{min} - n_{max}$	Art. Nr. RH	Art. Nr. LH
140	12	30/50	4	5	5500-9500	8619.140.012	8619.140.112
	14	30/50	4	7	5500-9500	8619.140.014	8619.140.114
	15	30/50	4	8	5500-9500	8619.140.015	8619.140.115
	17	30/50	4	10	5500-9500	8619.140.017	8619.140.117
	19	30/50	4	12	5500-9500	8619.140.019	8619.140.119
	22	30/50	4	15	5500-9500	8619.140.022	8619.140.122
	27	30/50	4	20	5500-9500	8619.140.027	8619.140.127
150	33	30/50	4	25	5200-8900	8619.150.033	8619.150.133
160	40	30/50	4	30	4800-8300	8619.160.040	8619.160.140
180	50	30/50	4	40	4300-7400	8619.180.050	8619.180.150

- Ausführung zum Kehlen für manuellen Vorschub ohne Auslauf
- for moulding on manual feed without profile relief

HW-bestückter Viertelstabfräser zum Abrunden mit ziehendem Schnitt
TC-tipped quarter-round cutter for rounding with axial angle

D	B	d	Z	R	$n_{min} - n_{max}$	Art. Nr. RH	Art. Nr. LH
140	12	30/50	4	5	5500-9500	8619.140.212	8619.140.312
	14	30/50	4	7	5500-9500	8619.140.214	8619.140.314
	15	30/50	4	8	5500-9500	8619.140.215	8619.140.315
	17	30/50	4	10	5500-9500	8619.140.217	8619.140.317
	19	30/50	4	12	5500-9500	8619.140.219	8619.140.319
	22	30/50	4	15	5500-9500	8619.140.222	8619.140.322
	27	30/50	4	20	5500-9500	8619.140.227	8619.140.327
150	33	30/50	4	25	5200-8900	8619.150.233	8619.150.333
160	40	30/50	4	30	4800-8300	8619.160.240	8619.160.340
180	50	30/50	4	40	4300-7400	8619.180.250	8619.180.350

- Ausführung mit beidseitigem Auslauf für manuellen Vorschub
- Ausführung mit 10° Auslauf
- design with double-sided profile relief for manual feed
- design with 10° profile relief


WP-Abrundfräser für verschiedene Radienprofile
Rounding cutter with replaceable knives for various radius profiles

MAN

HW

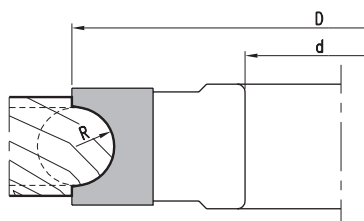
D	B	d	Z	R	n _{min} - n _{max}	Art. Nr.
125,5	20	30/50	3	5/7	6100-10500	① 4119.126.020
132,5	20	30/50	3	8/10	5800-10000	① 4119.133.020
141,0	25	30/50	3	12/15	5400-9400	① 4119.141.025

- ① Ohne Wechselmesser, bitte bestellen Sie diese separat.
- ① replacement knives are not included, please order them separately

- Ausformung des Grundkörpers eignet sich zur Verwendung unterschiedlicher Radienprofile
- Ausführung für manuellen Vorschub
- the tool body is suitable for use with different radius profiles
- for manual feed

Wechselmesser/Ersatzteile
Replacement knives/Spare parts

	R	Dim.	Art.Nr.
Wechselmesser - Replacement knife	5	20x20x2	775.201
	7	20x20x2	775.202
	8	20x25x2	775.203
	10	20x25x2	775.204
	12	25x30x2	775.205
	15	25x30x2	775.206
Spannkeil - Clamping wedge	5/7		707.180
	8/10		707.181
	12/15		707.182
Gewindestift - Set screw		M8x16	705.542
Sechskantschlüssel - Allen key		SW4	706.104


HW-bestückter Halbstabfräser mit achsparallelen Schneiden
TC-tipped half-round cutter with axis-parallel blades

MAN

HW

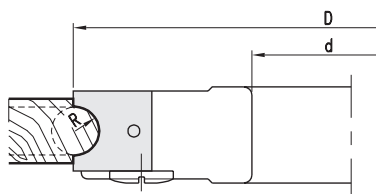
D	B	d	Z	R	n _{min} - n _{max}	Art. Nr.
140	26	30/50	4	6	5500-9500	8119.140.026
	28	30/50	4	7,5	5500-9500	8119.140.028
	30	30/50	4	10	5500-9500	8119.140.030
	40	30/50	4	12,5	5500-9500	8119.140.040
	45	30/50	4	15	5500-9500	8119.140.045
	50	30/50	4	17,5	5500-9500	8119.140.050
	55	30/50	4	20	5500-9500	8119.140.055
150	65	30/50	4	25	5200-8900	8119.150.065

- Serienartikel, kurzfristige Fertigung bei Bestellung
- standard product, manufactured promptly upon order

4179

HW-Halbstabfräser – Wechselmesser

TC Half-Round Cutter - Replaceable Knives

PG
02

HW-bestückter Halbstabfräser mit achsparallelen Schneiden

TC-tipped half-round cutter with axis-parallel blades

MAN

HW

D	B	d	Z	R	n _{min} - n _{max}	Art. Nr.
140	20	30/50	3	4/5/6	5500-9500	① 4179.140.020
	30	30/50	3	8/10	5500-9500	① 4179.140.030

- ① Ohne Wechselmesser, bitte bestellen Sie diese separat.
- ① replacement knives are not included, please order them separately
- Ausführung für manuellen Vorschub
- Bitte bestellen Sie mit Angabe des gewünschten Radius
- for manual feed
- please order specifying the requested radius

Wechselmesser/Ersatzteile

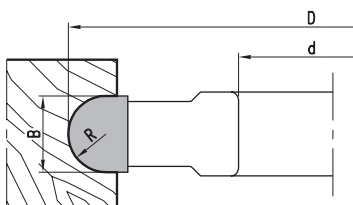
Replacement knives/Spare parts

	R	Dim.	Art.Nr.
Wechselmesser - Replacement knife	4	20x20x2	785.761
	5	20x20x2	785.762
	6	20x20x2	785.763
	8	30x25x2	785.764
	10	30x25x2	785.765
Spannkeil - Clamping wedge	4/5/6		707.002.18
	8/10		707.812
Gewindestift - Set screw		M8x16	705.542
Sechskantschlüssel - Allen key		SW4	706.104

8184

HW-Hochkehlfräser – Festbestückt

TC High-Cove Cutter - Tipped

PG
02

HW-bestückter Hohlkehlfräser mit achsparallelen Schneiden

TC-tipped high-cove cutter with axis-parallel blades

MAN

HW

D	B	d	Z	R	n _{min} - n _{max}	Art. Nr.
140	5	30/50	4	2,5	5500-9500	8184.140.005
	6	30/50	4	3,0	5500-9500	8184.140.006
	8	30/50	4	4,0	5500-9500	8184.140.008
	10	30/50	4	5,0	5500-9500	8184.140.010
	12	30/50	4	6,0	5500-9500	8184.140.012
	15	30/50	4	7,5	5500-9500	8184.140.015
	20	30/50	4	10,0	5500-9500	8184.140.020
	40	30/50	4	20,0	5500-9500	8184.140.040

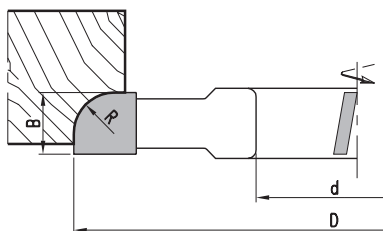
- Ausführung für manuellen Vorschub
- for manual feed



8679

HW-Halbhohlkehlfräser – Festbestückt

TC Half-Cove Cutter - Tipped

PG
02

HW-bestückter Halbhohlkehlfräser mit achswinkligen Schneiden
TC-tipped half-cove cutter with axis-angled blades

MAN

HW

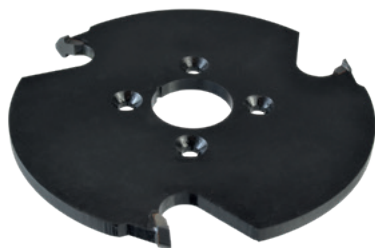
D	B	d	Z	R	n _{min} - n _{max}	Art. Nr.
140	10	30/50	4	5	5500-9500	8679.140.010
	15	30/50	4	10	5500-9500	8679.140.015
	20	30/50	4	15	5500-9500	8679.140.020
	25	30/50	4	20	5500-9500	8679.140.025

- Ausführung für manuellen Vorschub
- Mit ziehendem Schnitt
- for manual feed
- with axial angle

8869

HW-Nutfräser Lamello P-System „Clamex“

TC Groove Cutter Lamello P-System „Clamex“ - Tipped

PG
02

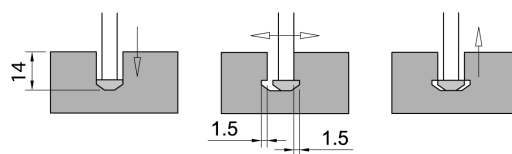
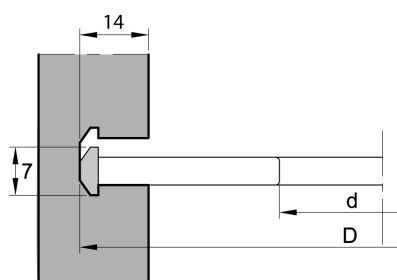
HW-bestückter Nutfräser
TC-tipped groove cutter

MAN

HW

D	B	d	Z	ML/TK	Art. Nr.
100,7	7	22	3	4/6,6/48	8869.100.007

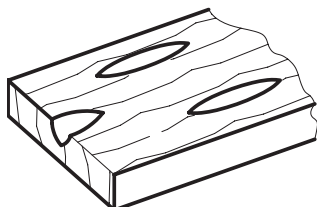
- Einfräsen von Nuten mit Lamello Zeta®-Maschinen. Für formschlüssige Verbindungen mit dem Lamello P-System.
- groove cutting with Lamello Zeta® machines, designed for interlocking connections using the Lamello P-System



8719

HW-Harzgallenfräser – Festbestückt

TC Resin Pocket Cutter - Tipped

PG
02

Zum Ausfräsen von verharzten oder beschädigten Stellen mit Handmaschinen
To cut out resinous or damaged areas with hand-held machines

MAN

HW

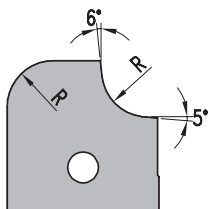
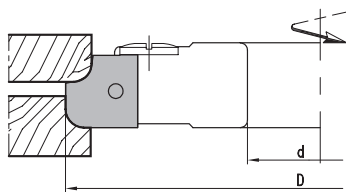
D	B	d	Z	ML	n _{min} - n _{max}	Art. Nr.
100	8	22	4	4/4,3/36	7800-13300	8719.100.008
	15	22	4	2/4,3/36	7800-13300	8719.100.015

- Ausführung für manuellen Vorschub
- for manual feed

4189

HW-Konkav-Konvex-Radienfräser – Wechselsmesser

TC Concave-Convex Radius Cutter - Replaceable Knives

PG
02

WP-Radiusprofilfräser für verschiedene Radienprofile
Radius profile cutter with replaceable knives for various radius profiles

MAN

HW

D	B	d	Z	R	n _{min} - n _{max}	Art. Nr.
140	20	30/50	3	5/6/7	5500-9500	① 4189.140.020
	25	30/50	3	8/10	5500-9500	① 4189.140.025
	35	30/50	3	12/15	5500.9500	① 4189.140.035

- ① Ohne Wechselsmesser, bitte bestellen Sie diese separat.
① replacement knives are not included, please order them separately
- Einseitig als Abplattfräser (gerade Abplattung) einsetzbar
- Ausführung für manuellen Vorschub
- tool can be used as panel raising cutter (straight panel raising) one one side
- for manual feed

Wechselsmesser/Ersatzteile
Replacement knives/Spare parts

	R	Dim.	Art.Nr.
Wechselsmesser - Replacement knife	5	20x20x2	785.766
	6	20x20x2	785.767
	7	20x20x2	785.772
	8	25x25x2	785.773
	10	25x25x2	785.770
Spannkeil - Clamping wedge	5/6/7		707.002.18
	8/10		707.811
Gewindestift - Set screw	5/6/7	M8x16	705.542
	8/10	M10x20	705.552
Sechskantschlüssel - Allen key		SW4 (M8)	706.104
		SW5 (M10)	706.105


HW-bestückte Multi-Dübelfräser zum Fräsen glatter oder geriffelter Rundstäbe
TC-tipped multi-dowel cutter for smooth or serrated dowels

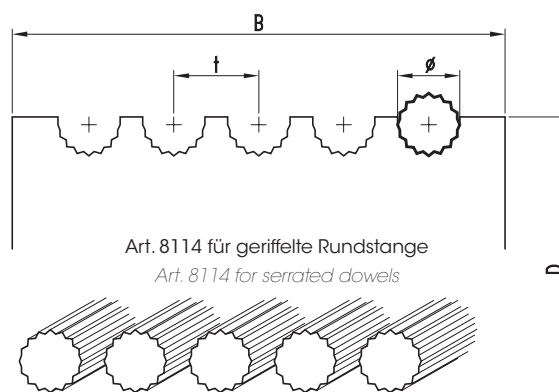
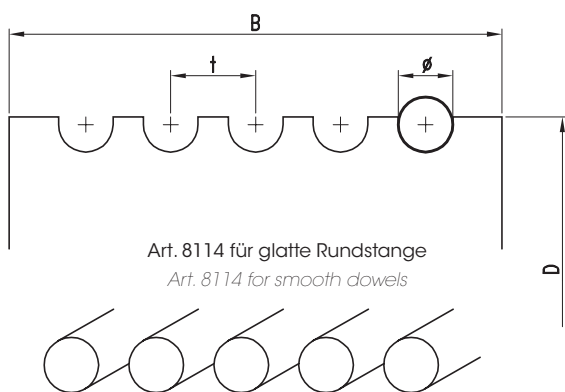
MAN

HW

D	d	n _{max}	Art. Nr. RH	Art.Nr. LH
120-130	30(-50)	10200	8114.120.102	8114.120.202
131-140	30(-50)	9500	8114.131.095	8114.131.195
141-150	30(-50)	8900	8114.141.089	8114.141.189
151-160	30(-50)	8300	8114.151.083	8114.151.183

- Gemäß DIN 68150
- according to DIN 68150

- Ausführung mit achsparallelen Schneiden mechanischen Vorschub
- Serienartikel, kurzfristige Fertigung bei Bestellung
- with axis-parallel blades for mechanical feed
- standard product, manufactured promptly upon order

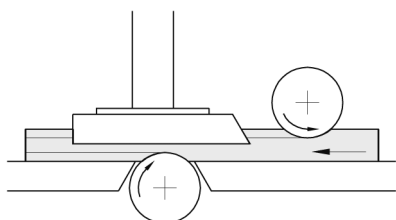


HS

	6	8	10	12	14	15	16	18	20	25
t	7	9	11	13,5	15,5	16,5	17,5	19,5	22	27
B = Schnittbreite - B = cutter width										
2	23	27	31	35,5	39,5	41,5	43,5	47,5	56	66
3	30	36	42	49	55	58	61	67	78	93
• Stabanzahl • no. of dowels	4	37	45	53	62,5	70,5	74,5	78,5	86,5	100
5	44	54	64	76	86	91	96	106	122	-
6	51	63	75	89,5	101,5	107,5	113,5	125,5	-	-
7	58	72	86	103	117	124	-	-	-	-
8	65	81	97	116,5	-	-	-	-	-	-

Berechnung für Randstegbreite 5 mm
calculation for edge width of 5 mm

- Für optimale Ergebnisse sind Niederhalter erforderlich
- in order to ensure perfect machining of dowels, the use of a guide rail is recommended



8169

HW-Multi-Profilfräser – Festbestückt

TC Multi-Profile Cutter - Tipped

PG
02

HW-bestückter Multiprofilfräser mit achsparallelen Schneiden
TC-tipped multi-profile cutter with axis-parallel blades

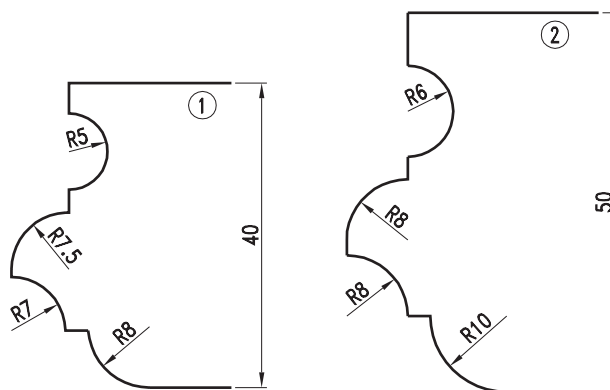
MAN

HW

Nr	D	B	d	Z	n _{min} - n _{max}	Art.Nr.
1	120	40	30	2	6400-11100	8169.120.040
1	140	40	50	3	5500-9500	8169.140.040
2		50	50	3	5500-9500	8169.140.050

- Ausführung für manuellen Vorschub
- for manual feed

- Profilbeispiel
- example profile



9199

HW-Multi-Profilfräser – Wechselsmesser

TC Multi-Profile Cutter - Replaceable Knives

PG
02

WP-Multiprofilfräser mit achsparallelen Schneiden
Multi-profile cutter with replaceable knives and axis-parallel blades

MAN

HW

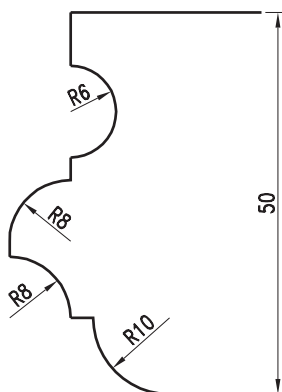
D	B	d	Z	n _{min} - n _{max}	Art.Nr.
140	50	30/50	2	5500-9500	① 9199.140.050

- ① Ausführung mit Leichtmetall-Grundkörper
- ① featuring a light metal body
- HW-Sonderprofilmesser können bis zu ca. 3-4 Mal nachgeschärft werden
- Ausführung für manuellen Vorschub
- TC-tipped special profile knives can be resharpened approx. 3-4 times
- for manual feed

Wechselsmesser/Ersatzteile
Replacement knives/Spare parts

	Dim.	Art.Nr.
Wechselsmesser - Replacement knife	50x30x2	785.771
Spannkeil - Clamping wedge		707.952
Gewindestift - Set screw	M8x16	705.542
Sechskantschlüssel - Allen key	SW4	706.104

- Blanketts nach Kundenwunsch frei profilierbar
- blank knives can be profiled individually according to customer requirements



- Profilbeispiel
- example profile


Multi-Abrundfräser mit beidseitig profilierten Wendemessern
Multi-Roundingcutter with double-sided profiled turnable knives

MAN

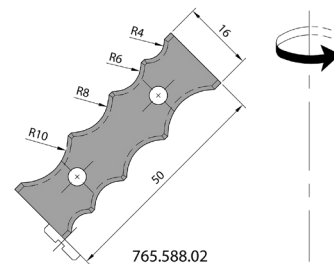
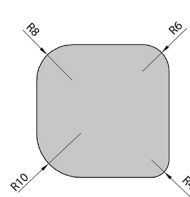
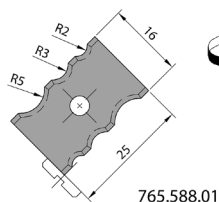
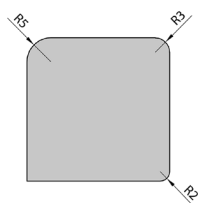
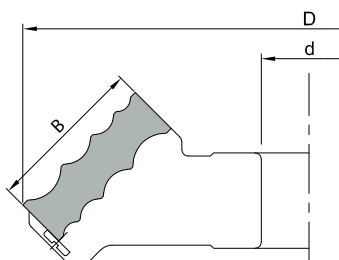
HW

D	B	d	Z	R	n min. - n max.	Art. Nr.
140	25	30/50	2	2/3/5	5400-8800	4199.140.025
180	50	30/50	2	4/6/8/10	4500-7500	4199.180.050

- Zum Abrunden der Kanten von Massivholz, Hartholz, furnierten beschichteten und unbeschichteten Holzwerkstoffen wie Spanplatten, Sperrholz, MDF usw.
- For rounding edges of solid wood, hardwood, veneered coated and uncoated wood base materials such as chipboard, plywood, MDF, etc.

Wendemesser/Ersatzteile
Reversible knives/Spare parts

	Dim.	R	Art. Nr.
Wendemesser - Reversible knife	25x16x2	2/3/5	765.588.01
	50x16x2	4/6/8/10	765.588.02
Spannkeil - Clamping wedge	B25	2/3/5	707.588.01
	B50	4/6/8/10	707.588.02
Gewindestift - Screw	M8x16		705.542
Sechskantschlüssel - T Wrench	SW4		706.104

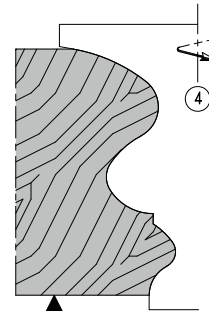
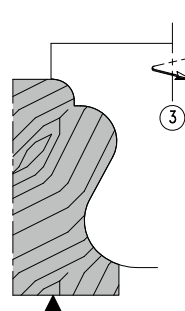
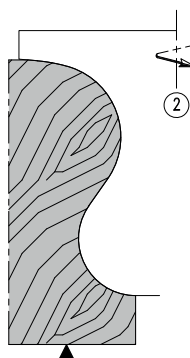
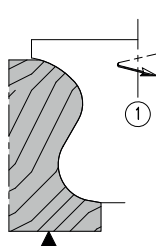

Handlaufräser mit Bohrung, profiliert
Handrail profilecutter with bore, profiled

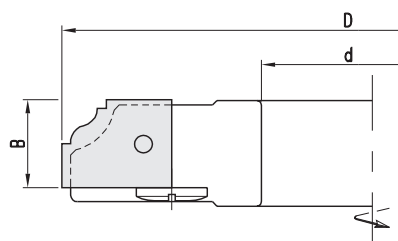
MAN

HW

Nr.	D	B	d	Z	n.min-n.max	Art.Nr.
1	150	40	30/50	3	5200-8900	8689.150.040
2		70	30/50	3	5200-8900	8689.150.070
3		55	30/50	3	5200-8900	8689.150.055
4	160	75	30/50	3	4800-8300	8689.160.075

- Serienartikel, kurzfristige Fertigung bei Bestellung
- Standard article, short-time production after order





• Typ A: Standard Blankett
 • Type A: standard blank knife

Mit achsparallelen Schneiden zur Aufnahme von HW-Sonderprofilmessern mit Stützplatte
With axis-parallel blades for holding TC-tipped special profile blades with back support plate

MEC

HW

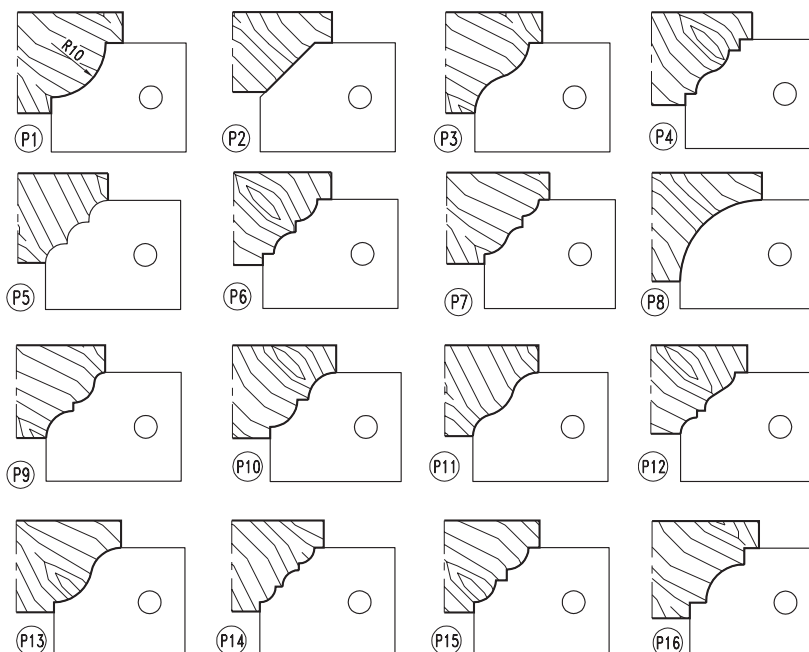
D	B	d	Z	n _{min} - n _{max}	Art.Nr. LH
140	20	50	3	9500	9114.140.020

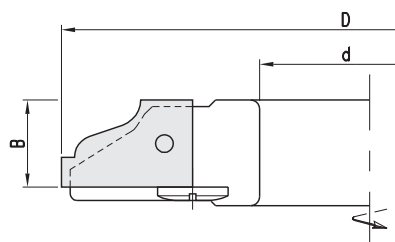
- ① Ohne Wechseltmesser, bitte bestellen Sie diese separat.
- ① *replacement knives are not included, please order them separately*
- Zur Aufnahme von HW-Sonderprofilmessern
- HW-Sonderprofilmesser können bis zu ca. 3-4 Mal nachgeschärft werden
- Ausführung für mechanischen Vorschub
- *standard product, manufactured promptly upon order*
- *TC-tipped special profile knives can be resharpened approx. 3-4 times*
- *for mechanical feed*

Wechseltmesser/Ersatzteile Replacement knives/Spare parts

	P	Dim.	Art.Nr.
Wechseltmesser - Replacement knife	1	20x25x2	785.631
	2	20x25x2	785.632
	3	20x25x2	785.633
	4	20x25x2	785.634
	5	20x25x2	785.635
	6	20x25x2	785.636
	7	20x25x2	785.637
	8	20x25x2	785.638
	9	20x25x2	785.639
	10	20x25x2	785.640
	11	20x25x2	785.641
	12	20x25x2	785.642
	13	20x25x2	785.643
	14	20x25x2	785.644
	15	20x25x2	785.645
	16	20x25x2	785.646
Spannkeil - Clamping wedge			707.090
Gewindestift - Set screw		M8x16	705.542
Sechskantschlüssel - Allen key		SW4	706.104

- Blanketts nach Kundenwunsch frei profilierbar
- *blank knives can be profiled individually according to customer requirements*





• Typ B: Standardblankett

• Type B: standard blank knife

Mit achsparallelen Schneiden zur Aufnahme von HW-Sonderprofilmessern mit Stützplatte
 With axis-parallel blades for holding TC-tipped special profile knives with back support plate

MEC

HW

D	B	d	Z	n _{min} - n _{max}	Art.Nr. LH
140	20	50	3	9500	4134.140.020

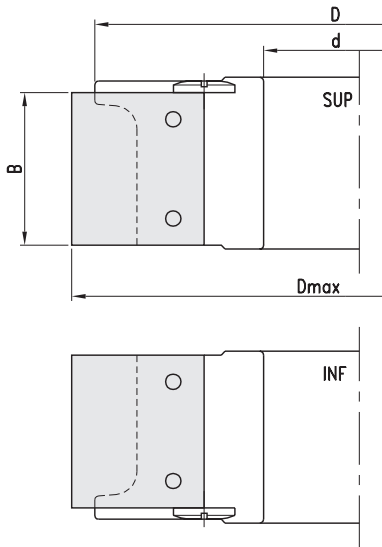
- ① Ohne Wechseltmesser, bitte bestellen Sie diese separat.
- ① replacement knives are not included, please order them separately
- HW-Sonderprofilmesser können bis zu ca. 3-4 Mal nachgeschärft werden
- Ausführung für mechanischen Vorschub
- TC-tipped special profile knives can be resharpened approx. 3-4 times
- for mechanical feed

Wechseltmesser/Ersatzteile Replacement knives/Spare parts

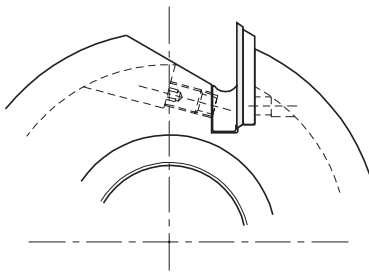
	P	Dim.	Art.Nr.
Wechseltmesser - Replacement knife	1	20x30x2	785.651
	2	20x30x2	785.652
	3	20x30x2	785.653
	4	20x30x2	785.654
	5	20x30x2	785.655
	6	20x30x2	785.656
	7	20x30x2	785.657
	8	20x30x2	785.658
	9	20x30x2	785.659
	10	20x30x2	785.660
	11	20x30x2	785.661
	12	20x30x2	785.662
	13	20x30x2	785.663
	14	20x30x2	785.664
	15	20x30x2	785.665
	16	20x30x2	785.666
	17	20x30x2	785.667
	18	20x30x2	785.668
Spannkeil - Clamping wedge			707.086
Gewindestift - Set screw		M8x16	705.542
Sechskantschlüssel - Allen key		SW4	706.104

- Blanketts nach Kundenwunsch frei profilierbar
- blank knives can be profiled individually according to customer requirements





- Typ E: Standardblankett
- Type E: standard blank knife



- Klemmung: Standardblankett
- clamping: standard blank knife

Mit achsparallelen Schneiden zur Aufnahme von HW-Sonderprofilmessern mit Stützplatte
With axis-parallel blades for holding TC-tipped special profile knives with back support plate

MEC**HW**

D	B	d	Z	n _{min} - n _{max}	Art.Nr.
138	40	30/50	3	9000	9184.138.040
	50	30/50	3	9000	9184.138.050
	60	30/50	3	9000	9184.138.060

- ① Ohne Wechselmesser und Stützplatten, bitte bestellen Sie diese separat.
replacement knives and back support plates are not included, please order them separately
- HW-Sonderprofilmesser können bis zu ca. 3-4 Mal nachgeschärft werden
- Ausführung für mechanischen Vorschub
- *TC-tipped special profile knives can be resharpened approx. 3-4 times for mechanical feed*

Ersatzteile

Spare parts

	Dim.	Art.Nr.
Spannkeil - Clamping wedge	40	707.300.38
	50	707.300.48
	60	707.300.58
Gewindestift - Set screw	M8x16	705.542
Sechskantschlüssel - Allen key	SW4	706.104

Wechselmesser/Ersatzteile

Replacement knives/Spare parts

	Dmax	Dim.	B	Art.Nr.
Wechselmesser - Replacement knife	140	40x30x2	40	769.203
		50x30x2	50	769.205
		60x30x2	60	769.215
	150	40x35x2	40	769.204
		50x35x2	50	769.206
		60x35x2	60	769.208
Stützplatten - Back support plate	140	38x26x3,8	40	710.201
		48x26x3,8	50	710.202
		58x26x3,8	60	710.203
	150	38x31x3,8	40	710.210
		48x31x3,8	50	710.211
		58x31x3,8	60	710.212

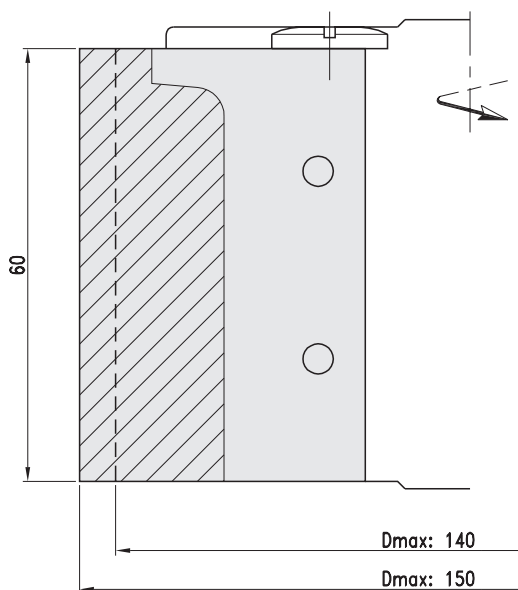
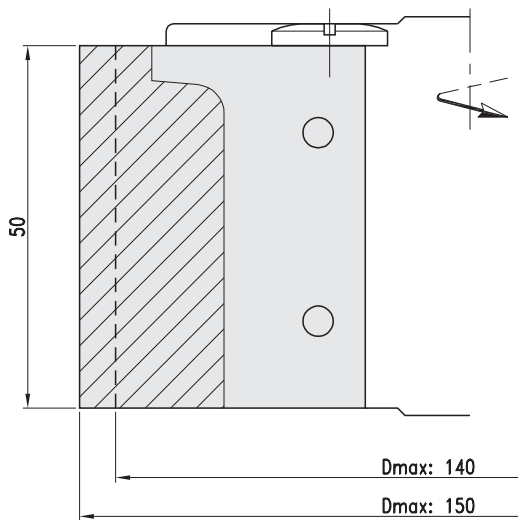
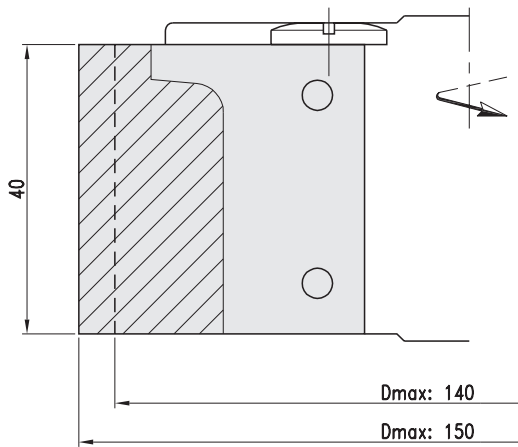
- Blanketts nach Kundenwunsch frei profilierbar
- *blank knives can be profiled individually according to customer requirements*



Profilierzone (1:1)

available area for profiling (1:1)

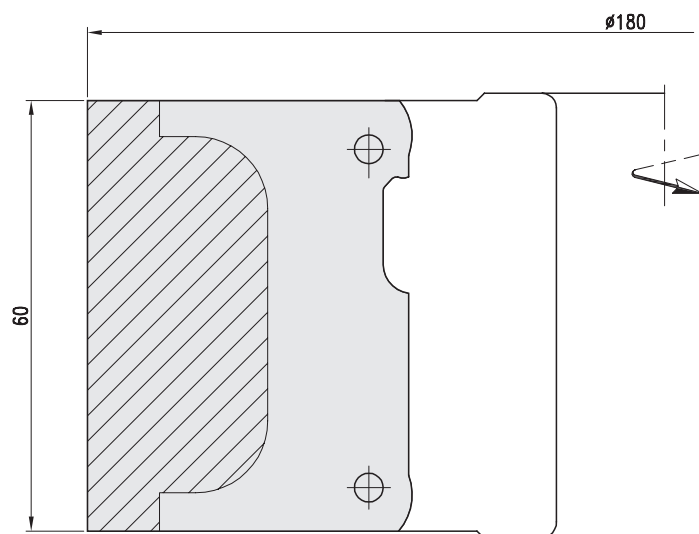
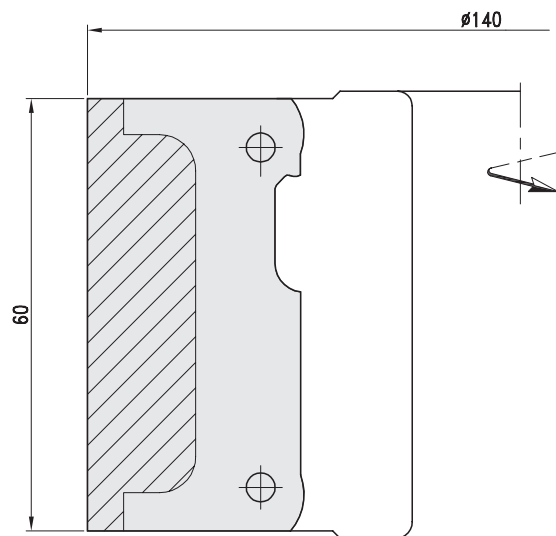
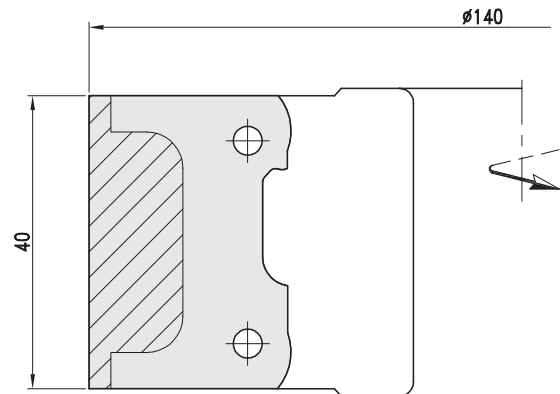
Typ E • type E



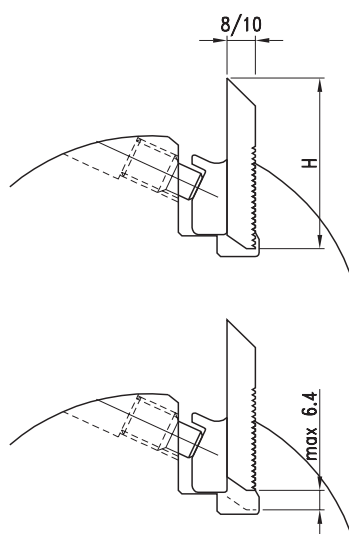
- Standardblankett
- standard blank knife

- Alle Blanketts auch im System 2-Punkt-Auflage erhältlich
- on request we supply all blank knives with 2-point support system

Typ C • type C



- Blankett mit 2-Punkt Auflage
- blank knife with 2-point support



- Ohne rückenverzahnte Hobelmesser
- Cutterhead supplied without knives

H	Pt max	
	HS	HW
50	20	20
60	28	20/25*
70	38	24/35*

*System Mikroverzahnung

*Microserrated system

Monoblok-Profilmesserkopf für universelles Profilieren auf Kehlmaschinen HSK85WS Schnittstelle
 Monobloc-Profilecutterhead for profiling on moulders with HSK85WS interface

MEC

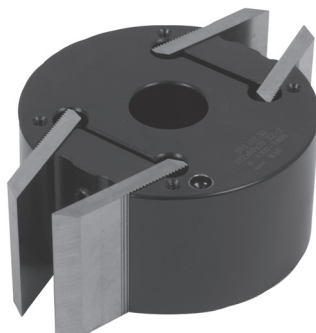
HW

D	B	S	Z	n max.		Art. Nr. LH	Art.Nr. RH
90	60	HSK85WS	2	12000	●	2412.090.060	2412.090.160
	80	HSK85WS	2	12000	●	2412.090.080	2412.090.180
	100	HSK85WS	2	12000	●	2412.090.100	2421.090.200
	130	HSK85WS	2	12000	●	2412.090.130	2412.090.230
	150	HSK85WS	2	12000	●	2412.090.150	2412.090.250
	170	HSK85WS	2	12000	●	2412.090.170	2412.090.270
	210	HSK85WS	2	12000	●	2412.090.210	2412.090.310
	240	HSK85WS	2	12000	●	2412.090.240	2412.090.340
90	60	HSK85WS	4	12000	●	2412.090.062	2412.090.162
	80	HSK85WS	4	12000	●	2412.090.082	2412.090.182
	100	HSK85WS	4	12000	●	2412.090.102	2412.090.202
	130	HSK85WS	4	12000	●	2412.090.132	2412.090.232
	170	HSK85WS	4	12000	●	2412.090.172	2412.090.272
	240	HSK85WS	4	12000	●	2412.090.242	2412.090.342
115	60	HSK85WS	6	10000	●	2412.115.061	2412.115.060
	80	HSK85WS	6	10000	●	2412.115.081	2412.115.080
	100	HSK85WS	6	10000	●	2412.115.101	2412.115.100
	130	HSK85WS	6	10000	●	2412.115.130	2412.115.230
	170	HSK85WS	6	10000	●	2412.115.171	2412.115.170
	240	HSK85WS	6	8000	●	2412.115.241	2412.115.240

- Ohne rückenverzahnte Hobelmesser
- Cutterhead supplied without knives
- Bei Verwendung der Standard-Spannkeile passen RVZ-Messer der Stärken 8mm - 10mm.
- Zum Spannen von schwächeren RVZ-Messern als 8mm sind Sonder-Spannkeile zu verwenden.
- Bearbeitung abrasiver Werkstoffe durch die Verwendung des verschleißfesten HW-Massiv-Messsystems mit Mikroverzahnung. Siehe Kapitel Ersatzteile.
- The use of standard-clamping wedges of serrated knives with thickness of 8mm - 10mm. To clamp serrated knives with smaller thickness than 8mm, special clamping wedges have to be used. Machining of abrasive materials by using TC-solid knife system with micro serrations. See chapter spare parts.
- Art. 2412: Maximale Profiltiefen in Abhängigkeit der Messerhöhe H

Ersatzteile Spare parts

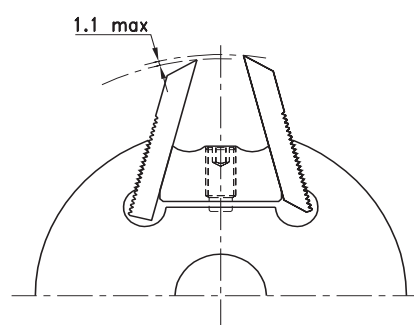
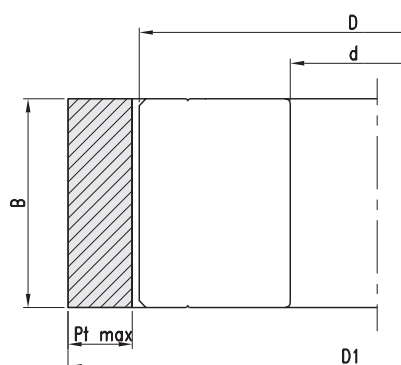
	Dim.	Art.Nr.
Ersatzteile - Spare parts	B=60	707.431
Spannkeil - Clamping wedge	B=80	707.432
	B=100	707.433
	B=130	707.435
	B=150	707.436
	B=170	707.440
	B=210	707.442
	B=240	707.443
Schraube - Screw	M10x1x20	705.552.01
T-Schlüssel - T Wrench	SW6	706.106


Profilmesserkopf für rückenverzahnte Messer und Abweiser
Profile cutterhead for back-serrated knives and limiters
MEC**HW**

D	B	d	Z	n _{min} - n _{max}	Art.Nr.
122	40	30/40	2+2	4300-7400	2119.122.040
	60	30/40	2+2	4300-7400	2119.122.060
	80	30/40	2+2	4300-7400	2119.122.080
	100	30/40	2+2	4300-7400	2119.122.100
137	40	50	2+2	4000-6800	2119.137.040
	60	50	2+2	4000-6800	2119.137.060
	80	50	2+2	4000-6800	2119.137.080
	100	50	2+2	4000-6800	2119.137.100

- ① Ohne RVZ-Messer
 ① *back-serrated knives are not included*

- Präzise Schnittqualität dank 60° Messer für maximale Spannkraft. Große Auswahl an hochwertigen Schneidstoffen, die perfekt abgestimmt sind auf jedes Werkstückmaterial.
- *Precise cutting performance thanks to 60° serrated-back knives providing maximum clamping force. Wide range of premium cutting materials that are perfectly matched to every type of work-piece material.*


Ersatzteile
Spare parts

	Dim.	Art.Nr.
Spannkeil - Clamping wedge	40	707.853.40
	60	707.853.60
	80	707.853.80
	100	707.853.100
Gewindestift - Set screw	M12x20	705.556
	M10x20	705.552
Sechskantschlüssel - Allen key	SW6	706.106

- Bei Verwendung der Standard-Spannkeile passen RVZ-Messer mit einer Stärke von 8 mm bis 10 mm
- Zum Spannen von schwächeren RVZ-Messern sind Sonder-Spannkeile zu verwenden
- Die Bearbeitung abrasiver Werkstoffe erfolgt durch die Verwendung des verschleißfesten HW-Massiv-Messersystems mit Mikroverzahnung. Siehe Kapitel 10: Ersatzteile.
- *for using standard clamping wedges, back-serrated knives with a thickness of 8 mm to 10 mm are suitable*
- *for clamping thinner back-serrated knives, special clamping wedges must be used*
- *for machining abrasive materials, a wear-resistant TC solid-blade system with micro-gearing is used, see Chapter 10: Spare Parts*

Art. 2119:

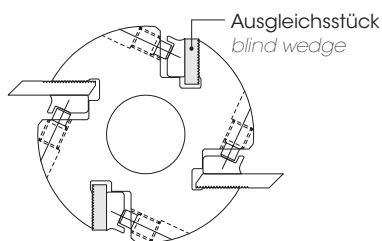
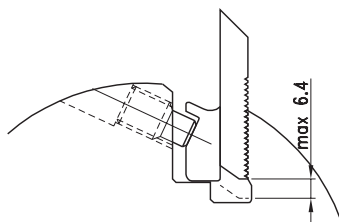
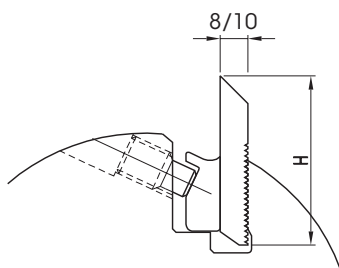
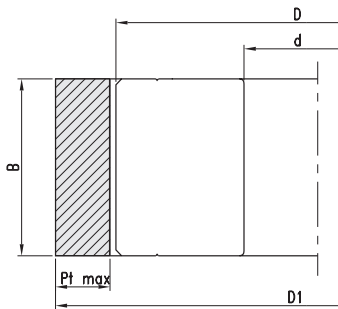
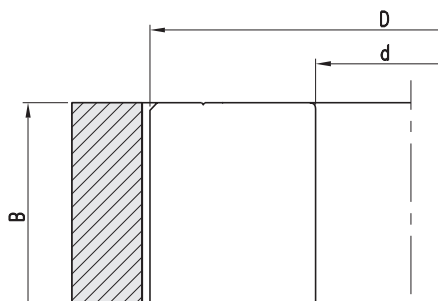
 Flugkreisdurchmesser, max. Profiltiefe (Pt_{max}) in
 Abhängigkeit von Fräserdurchmesser D und
 Messerhöhe H

*cutting circle diameter, maximum profile depth
 (Pt_{max}) depending on cutter diameter D and knife
 height H*

	D1		Pt _{max}	
H	D 122	D 137	HS	HW
50	155	170	12	11/12*
60	175	190	20	17/20*

* System Mikroverzahnung

* *micro-serrated system*



Art. 2114:
 Flugkreisdurchmesser, max. Profiltiefe (Pt_{max})
 in Abhängigkeit von Fräserdurchmesser D
 und Messerhöhe H

cutting circle diameter, maximum profile depth
 (Pt_{max}) depending on cutter diameter D and
 knife height H

Profilmesserkopf für rückenverzahnte Messer und Abweiser
Profile cutterhead for back-serrated knives and limiters
MEC
HW

D	B	d	Z	n _{max}	Art.Nr.
122	40	40	2	9000	2114.122.040
	60	40	2	9000	2114.122.060
	80	40	2	9000	2114.122.080
122	40	40	4	9000	2114.122.140
	60	40	4	9000	2114.122.160
	80	40	4	9000	2114.122.180
	100	40	4	9000	2114.122.100
	130	40	4	9000	2114.122.130
	150	40	4	9000	2114.122.150
	180	40	4	9000	2114.122.280
	230	40	4	9000	2114.122.230
137	40	50	4	9000	2114.137.040
	60	50	4	9000	2114.137.060
	80	50	4	9000	2114.137.080
	100	50	4	9000	2114.137.100
	130	50	4	9000	2114.137.130
	150	50	4	9000	2114.137.150
	180	50	4	9000	2114.137.180
	230	50	4	9000	2114.137.230

① Ohne RVZ-Messer

① back-serrated knives are not included

- Präzise Schnittqualität dank 60° Messer für maximale Spannkraft. Große Auswahl an hochwertigen Schneidstoffen, die perfekt abgestimmt sind auf jedes Werkstückmaterial.
- Precise cutting performance thanks to 60° serrated-back knives providing maximum clamping force. Wide range of premium cutting materials that are perfectly matched to every type of work-piece material.

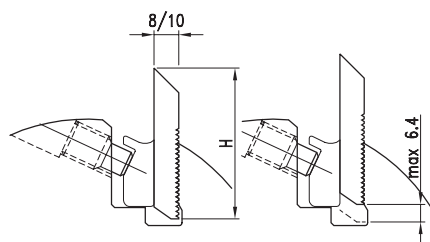
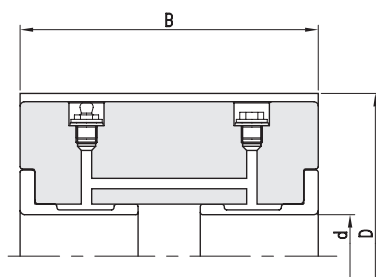
Ersatzteile
Spare parts

	Dim.	Art.Nr.
Spannkeil - Clamping wedge	40	707.430
	60	707.431
	80	707.432
	100	707.433
	130	707.435
	150	707.436
	180	707.437
	230	707.439
Ausgleichsstück - Blind wedge	40	707.330
	60	707.331
	80	707.332
	100	707.333
	130	707.334
	150	707.335
	180	707.336
	230	707.337
Gewindestift - Set screw	M12x20	705.556
	M10x20	705.552
Sechskantschlüssel - Allen key	SW6	706.106

	D1		Pt _{max}	
H	D 122	D 137	HS	HW
50	160	175	15	11/15*
60	179	194	25	17/25*
70	198	214	35	20/35*

* System Mikroverzahnung

* micro-serrated system



H	D1				P _{tmax}	
	D137	D150	D163	D190	HS	HW
50	175	188	200	228	15	11/15*
60	194	207	219	247	25	17/25*
70	214	227	239	266	35	20/35*

* System Mikroverzahnung

* micro-serrated system

Hydro-Profilmesserkopf für rückenverzahnte Messer
Hydro profile cutterhead for back-serrated knives

MEC

HW

D	B	d	Z	n _{max}	Art.Nr.
137	60	40	4	9000	2111.137.060
	100	40	4	9000	2111.137.100
	130	40	4	9000	2111.137.130
	150	40	4	9000	2111.137.150
	180	40	4	9000	2111.137.180
	230	40	4	9000	2111.137.230
150	60	50	4	8000	2111.150.060
	100	50	4	8000	2111.150.100
	130	50	4	8000	2111.150.130
	150	50	4	8000	2111.150.150
	180	50	4	8000	2111.150.180
	230	50	4	8000	2111.150.230
150	60	50	6	8000	2111.150.061
	100	50	6	8000	2111.150.101
	130	50	6	8000	2111.150.131
	150	50	6	8000	2111.150.151
	180	50	6	8000	2111.150.181
	230	50	6	8000	2111.150.231
163	60	50	8	6000	2111.163.060
	100	50	8	6000	2111.163.100
	130	50	8	6000	2111.163.130
	150	50	8	6000	2111.163.150
	180	50	8	6000	2111.163.180
	230	50	8	6000	2111.163.230
190	60	50	12	6000	2111.190.060
	80	50	12	6000	2111.190.080
	100	50	12	6000	2111.190.100
	130	50	12	6000	2111.190.130
	150	50	12	6000	2111.190.150
	180	50	12	6000	2111.190.180
	230	50	12	6000	2111.190.230

① Ohne RVZ-Messer

① *back-serrated knives are not included*

- Messerkopf aus Stahl mit offenem Hydrospannsystem
- Hydrosystem als Zentrier-Spannsystem bei Betriebsdruck von ca. 300-400 bar (tägliche Kontrolle empfohlen)
- Ausführung für mechanischen Vorschub
- *steel-cutterhead with integrated, open hydro-clamping system for grease gun*
- *hydro-clamping system as central clamping system at an operating pressure of approx. 300 to 400 bar (daily checks recommended)*
- *for mechanical feed*

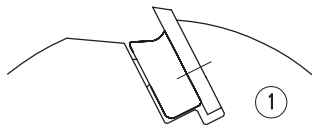
Ersatzteile*Spare parts*

	Dim.	Art.Nr.
Spannkeil - Clamping wedge	60	707.431
	100	707.433
	130	707.435
	150	707.436
	180	707.437
	230	707.439
Ausgleichsstück - Blind wedge	60	707.331
	100	707.333
	130	707.334
	150	707.335
	180	707.336
	230	707.337
Gewindestift - Set screw	M12x20	705.556
	M10x20	705.552
Sechskantschlüssel - Allen key	SW6	706.106
Fettpresse - Grease gun		724.401
Fettkartusche - Grease cartridge		724.402
Sicherheits-Klemmring für Maschinenspindel - Safety ring		724.404

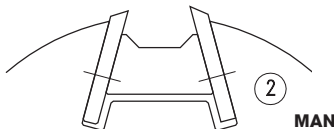
2184
2189

SP-Universal-Profilmesserkopf – Wechsellmesser
SP Universal Profile Cutterhead - Replaceable Knives

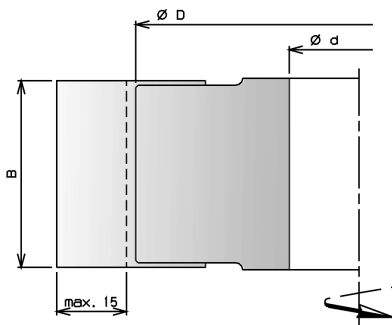
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02



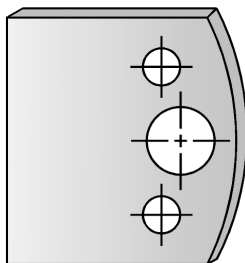
MEC



MAN



- Sondermesser und Abweiser auf Anfrage
- special knives and limiters available upon request



778.000 / 778.001

Typ 1 Universal-Profilmesserkopf mit Stahlgrundkörper für 40 mm breite Profilmesser
Type 1 universal profile cutterhead with steel support body for 40 mm wide profile knives

MEC

HW

D	B	d	Z	Messer	n _{max}	Art.Nr.
Mit 2 Falzmessern - With two rebate knives						
100	40	30	2		9000	2184.100.040
120	40	50	2		9000	2184.120.040
Kompletter Messersatz mit Holzkiste - Complete set of knives with wooden box						
100	40	30	2	1-6	9000	2184.100.140
	40	30	2	1-12	9000	2184.100.240
	40	30	2	9/12/14/15/19/36	9000	2184.100.340
120	40	50	2	1-6	9000	2184.120.140
	40	50	2	1-12	9000	2184.120.240
	40	50	2	9/12/14/15/19/36	9000	2184.120.340

- Große Auswahl an diversen hochwertigen Standardprofilen
- Ausführung für mechanischen Vorschub
- wide range of various premium standard profiles
- for mechanical feed

Typ 2 Universal-Profilmesserkopf mit Stahlgrundkörper für 40 mm breite Profilmesser und Abweiser
Type 2 universal profile cutterhead with steel support body for 40 mm wide profile knives and limiters

MAN

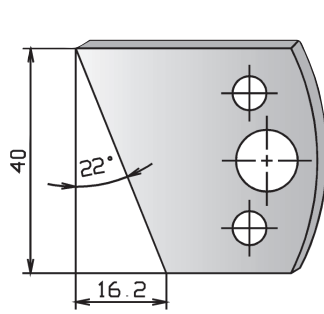
HW

D	B	d	Z	Messer	n _{max}	Art.Nr.
Mit 2 Falzmessern - With two rebate knives						
100	40	30	2		6000-9000	2189.100.040
120	40	50	2		6000-9000	2189.120.040
Kompletter Messersatz mit Holzkiste - Complete set of knives with wooden box						
100	40	30	2	1-6	6000-9000	2189.100.140
	40	30	2	1-12	6000-9000	2189.100.240
	40	30	2	9/12/14/15/19/36	6000-9000	2189.100.340
120	40	50	2	1-6	6000-9000	2189.120.140
	40	50	2	1-12	6000-9000	2189.120.240
	40	50	2	9/12/14/15/19/36	6000-9000	2189.120.340

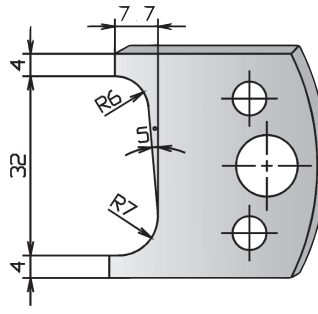
- Große Auswahl an diversen hochwertigen Standardprofilen
- Ausführung für manuellen Vorschub
- wide range of various premium standard profiles
- for manual feed

Ersatzteile
Spare parts

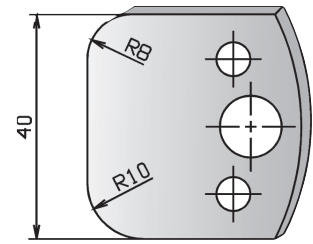
	Nr.	Dim.	Art.Nr.
Spannkeil - Clamping wedge	1		707.850
	2		707.851
Gewindestift - Set screw	1	M10x20	705.552
	2	M10x16	705.551
Sechskantschlüssel - Allen key		SW5	706.105
Messerrohling B=40 - Knife for profiling B=40			778.000
Abweiser-Rohling B=40 - Limiter for profiling B=40			778.001



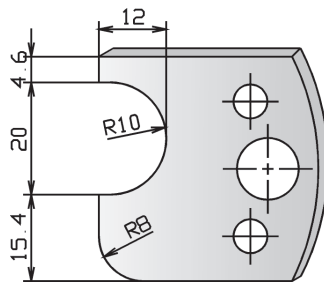
Art.Nr.
Profilmesser - profile knives 778.101
Abweiser - limiters 778.201



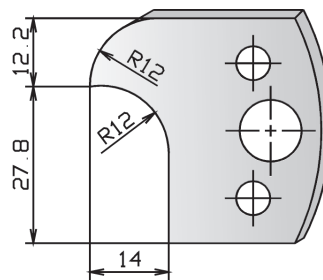
Art.Nr.
778.102
778.202



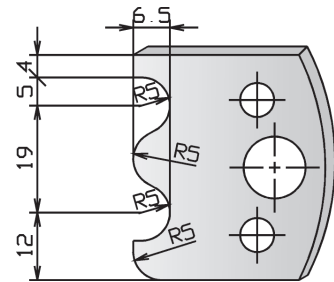
Art.Nr.
778.103
778.203



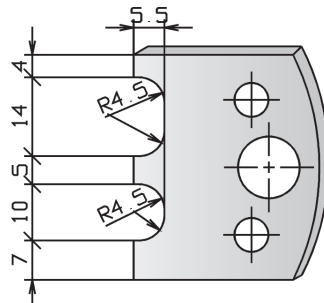
Art.Nr.
Profilmesser - profile knives 778.104
Abweiser - limiters 778.204



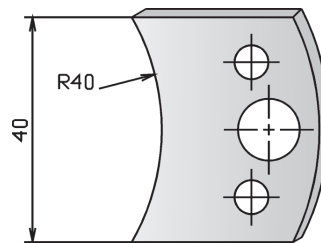
Art.Nr.
778.105
778.205



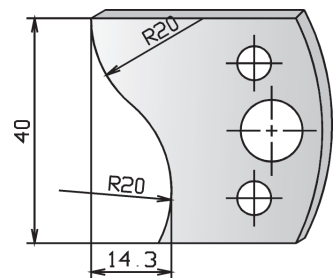
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778.106
778.206



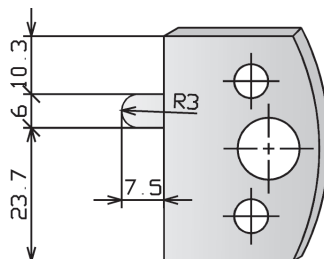
Art.Nr.
Profilmesser - profile knives 778.107
Abweiser - limiters 778.207



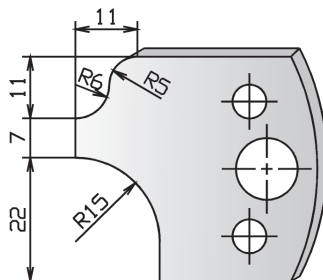
Art.Nr.
778.108
778.208



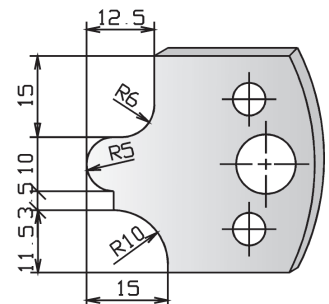
Art.Nr.
778.109
778.209



Art.Nr.
Profilmesser - profile knives 778.110
Abweiser - limiters 778.210



Art.Nr.
778.111
778.211

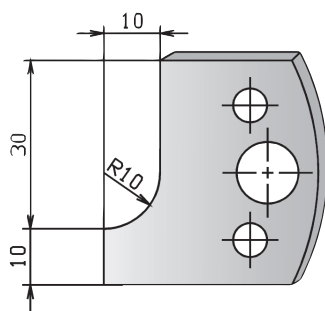


Art.Nr.
778.112
778.212

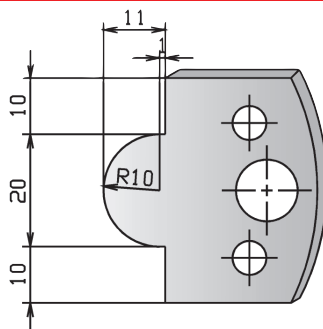
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2189

SP-Universal-Profilmesserkopf – Profilmesserauswahl
SP Universal Profile Cutterhead - Selection of Profile Knives

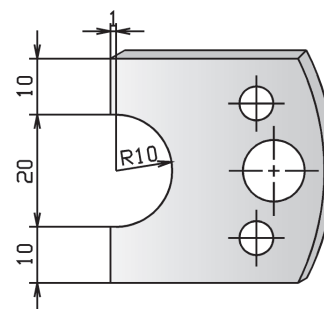
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02



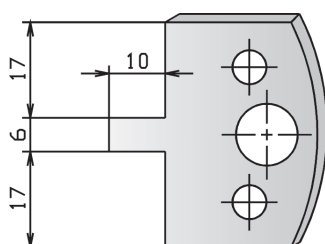
Art.Nr.
Profilmesser - profile knives 778.113
Abweiser - limiters 778.213



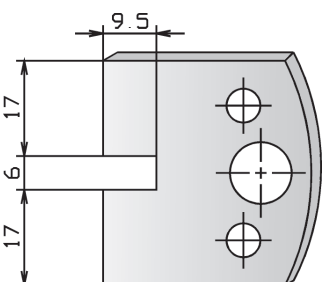
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Abweiser - limiters 778.214



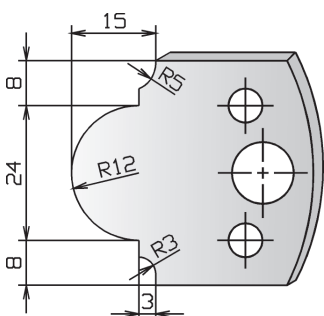
Art.Nr.
Profilmesser - profile knives 778.115
Abweiser - limiters 778.215



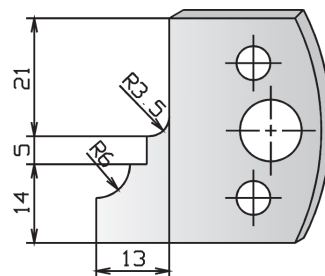
Art.Nr.
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Abweiser - limiters 778.216



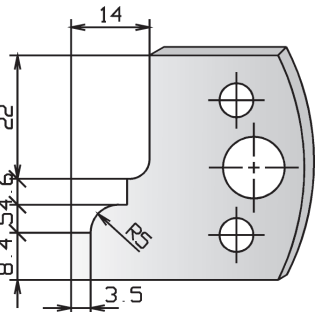
Art.Nr.
Profilmesser - profile knives 778.117
Abweiser - limiters 778.217



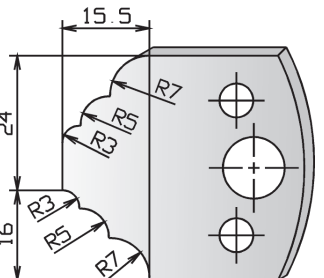
Art.Nr.
Profilmesser - profile knives 778.118
Abweiser - limiters 778.218



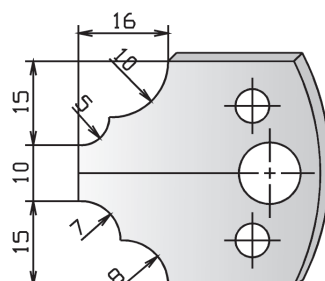
Art.Nr.
Profilmesser - profile knives 778.119
Abweiser - limiters 778.219



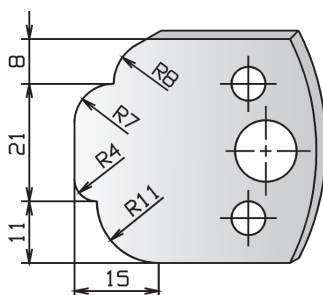
Art.Nr.
Profilmesser - profile knives 778.120
Abweiser - limiters 778.220



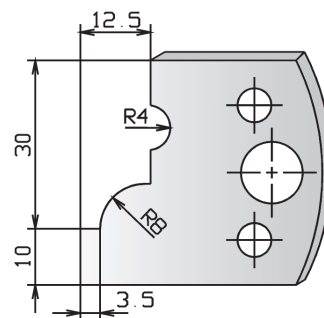
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Profilmesser - profile knives 778.121
Abweiser - limiters 778.221



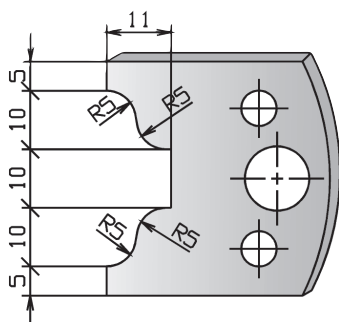
Art.Nr.
Profilmesser - profile knives 778.122
Abweiser - limiters 778.222



Art.Nr.
Profilmesser - profile knives 778.123
Abweiser - limiters 778.223



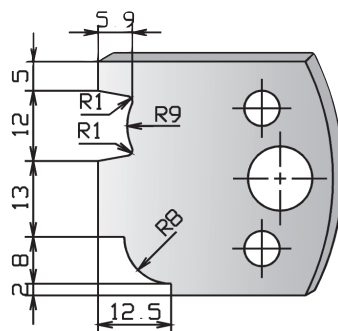
Art.Nr.
Profilmesser - profile knives 778.124
Abweiser - limiters 778.224



Art.Nr.

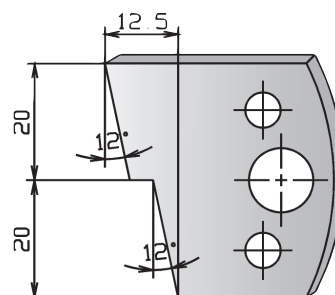
Profilmesser - *profile knives*
Abweiser - *limiters*

778.125
778.225



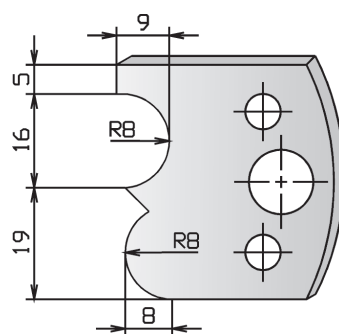
Art.Nr.

778.126
778.226



Art.Nr.

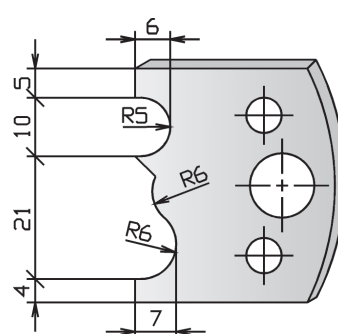
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778.227



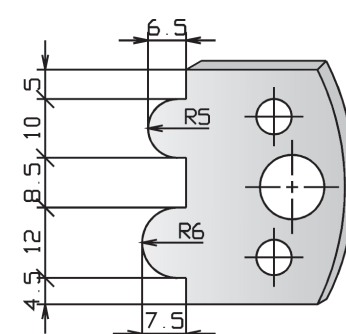
Art.Nr.

Profilmesser - profile knives
Abweiser - limiters

778.228

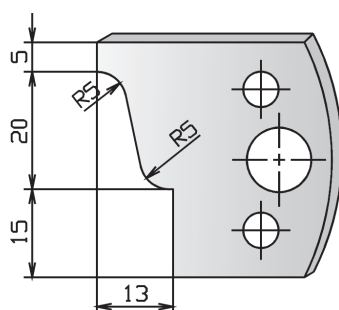


Art.Nr.

778.129
778.129

Art.Nr.

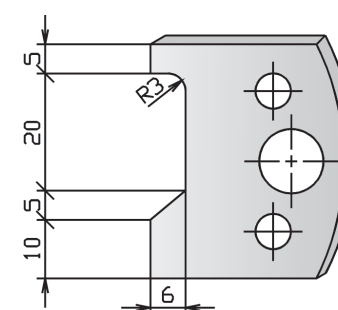
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778.230



Art.Nr.

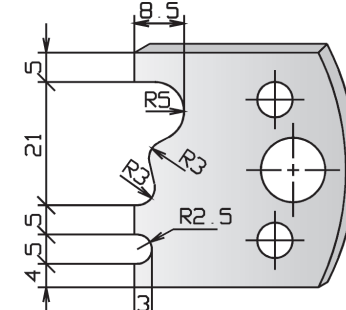
Profilmesser - *profile knives*
Abweiser - *limiters*

778.231



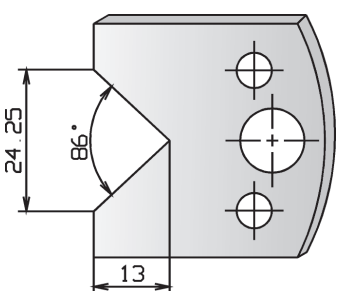
Art.Nr.

778.132
778.232



Art.-Nr.

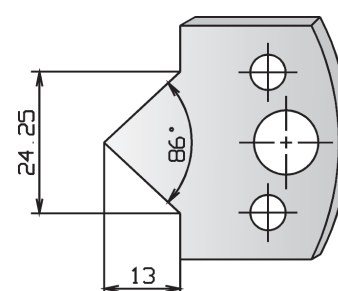
778.133
778.233



Art.Nr.

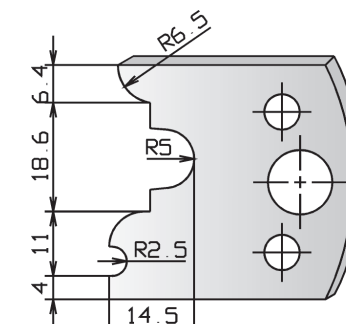
Profilmesser - profile knives
Abweiser - limiters

778.234



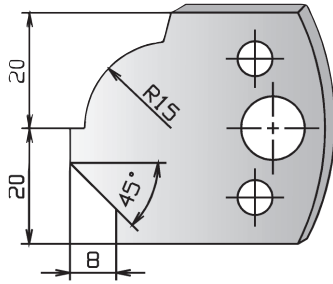
Art.Nr.

778.135
778.235

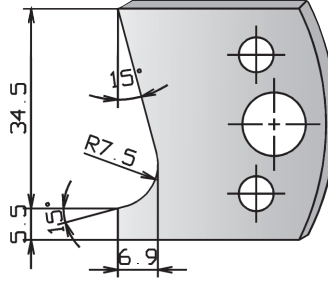


Art.Nr.

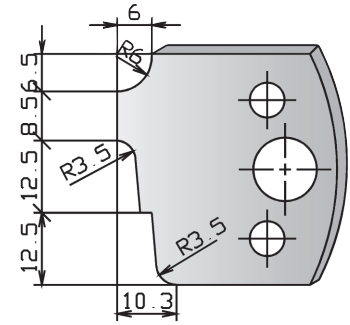
778.136
778.236



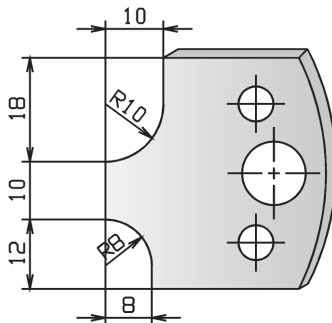
Art.Nr.
Profilmesser - profile knives 778.137
Abweiser - limiters 778.237



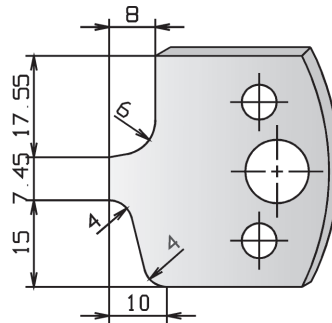
Art.Nr.
778.138
778.238



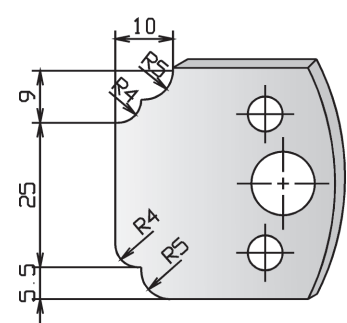
Art.Nr.
778.139
778.239



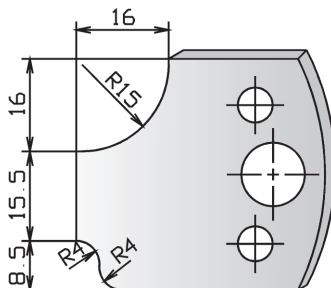
Art.Nr.
Profilmesser - profile knives 778.140
Abweiser - limiters 778.240



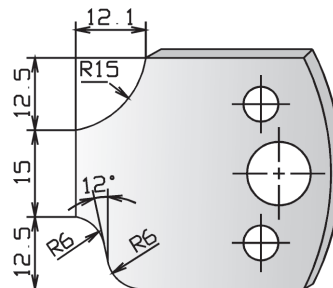
Art.Nr.
778.141
778.241



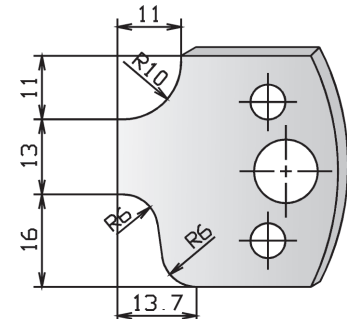
Art.Nr.
778.142
778.242



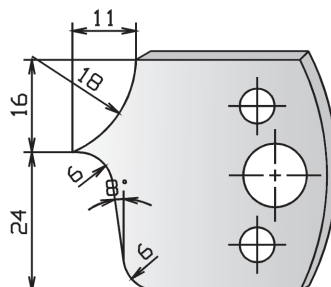
Art.Nr.
Profilmesser - profile knives 778.143
Abweiser - limiters 778.243



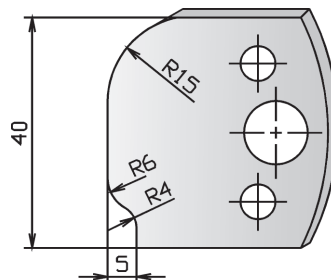
Art.Nr.
778.144
778.244



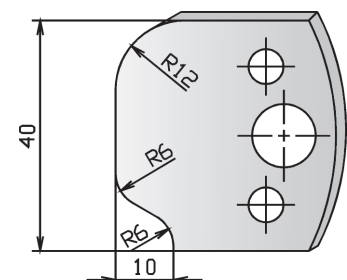
Art.Nr.
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778.245



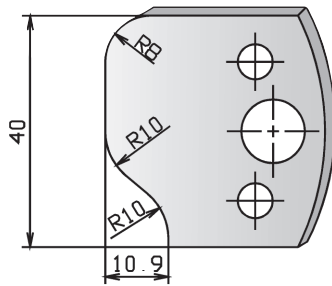
Art.Nr.
Profilmesser - profile knives 778.146
Abweiser - limiters 778.246



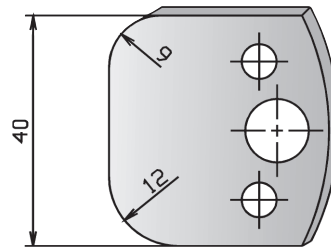
Art.Nr.
778.147
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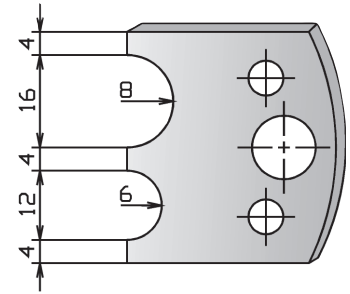
Art.Nr.
778.148
778.248



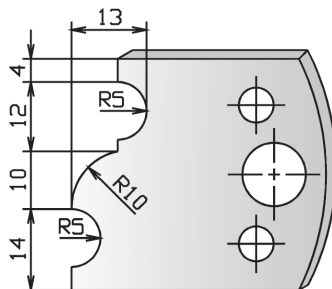
Art.Nr.
778.149
Profilmesser - profile knives
Abweiser - limiters



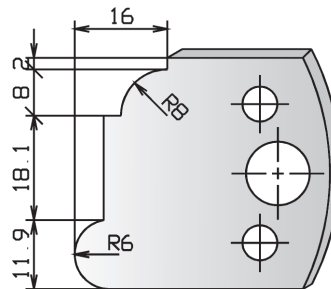
Art.Nr.
778.150
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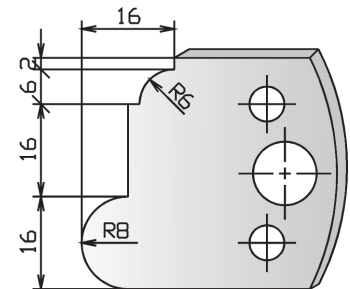
Art.Nr.
778.151
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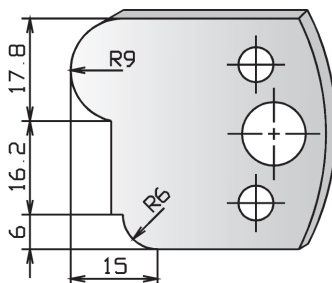
Art.Nr.
778.152
Profilmesser - profile knives
Abweiser - limiters



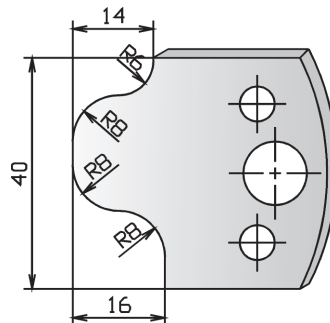
Art.Nr.
778.153
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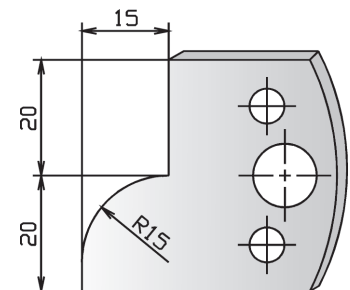
Art.Nr.
778.154
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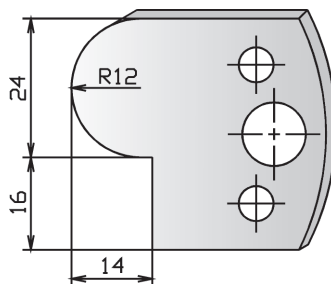
Art.Nr.
778.155
Profilmesser - profile knives
Abweiser - limiters



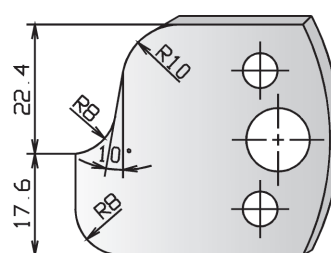
Art.Nr.
778.156
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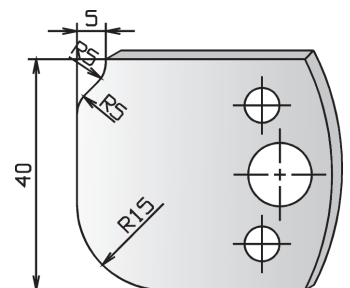
Art.Nr.
778.157
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Art.Nr.
778.158
Profilmesser - profile knives
Abweiser - limiters



Art.Nr.
778.159
778.259

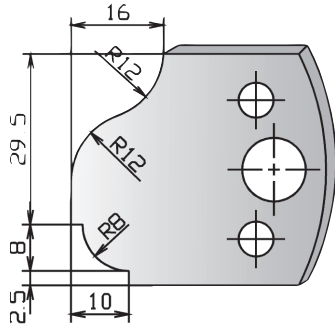


Art.Nr.
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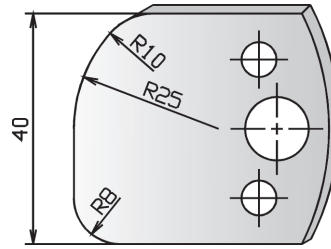
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SP-Universal-Profilmesserkopf – Profilmesserauswahl
SP Universal Profile Cutterhead - Selection of Profile Knives

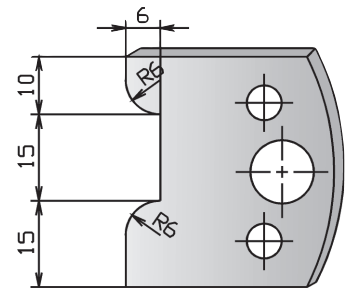
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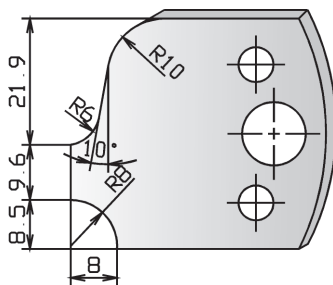
Art.Nr.
778.161
Profilmesser - profile knives
Abweiser - limiters



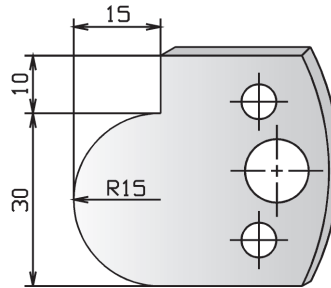
Art.Nr.
778.162
778.262



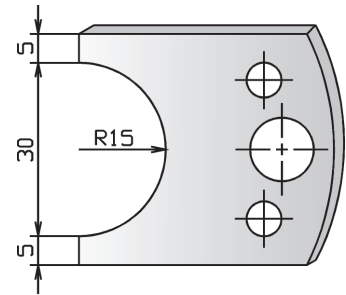
Art.Nr.
778.163
778.263



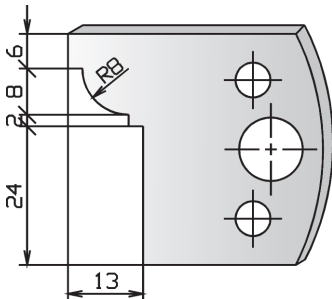
Art.Nr.
778.164
Profilmesser - profile knives
Abweiser - limiters



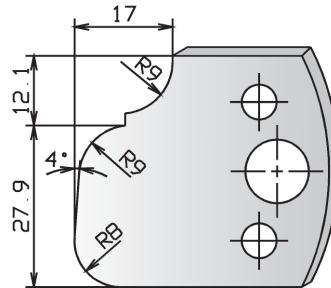
Art.Nr.
778.165
778.265



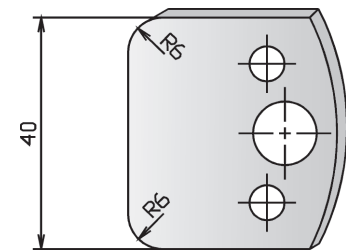
Art.Nr.
778.166
778.266



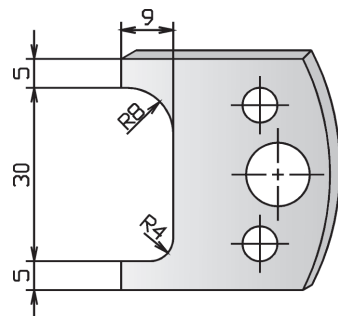
Art.Nr.
778.167
Profilmesser - profile knives
Abweiser - limiters



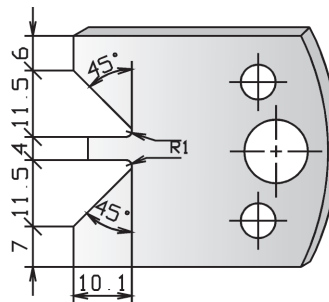
Art.Nr.
778.168
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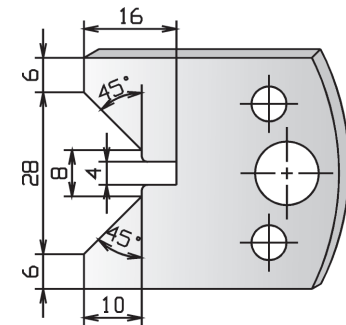
Art.Nr.
778.169
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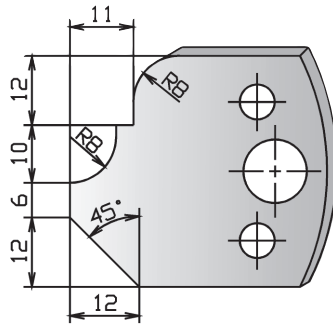
Art.Nr.
778.170
Profilmesser - profile knives
Abweiser - limiters



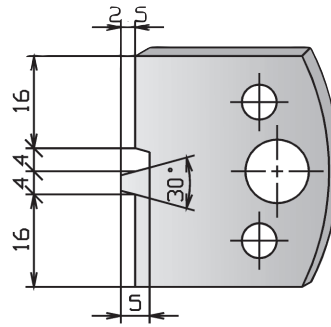
Art.Nr.
778.171
778.271



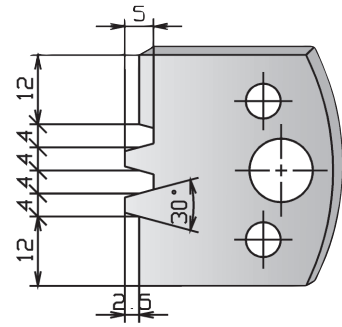
Art.Nr.
778.172
778.272



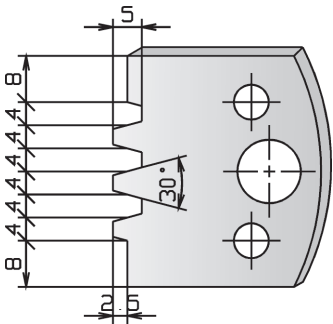
Art.Nr.
Profilmesser - profile knives 778.173
Abweiser - limiters 778.273



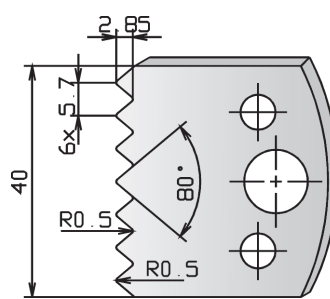
Art.Nr.
778.174
778.274



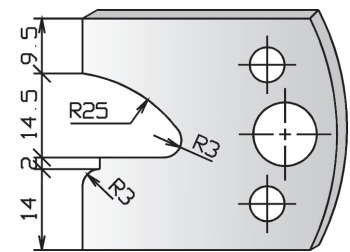
Art.Nr.
778.175
778.275



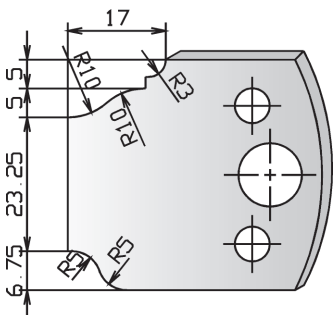
Art.Nr.
Profilmesser - profile knives 778.176
Abweiser - limiters 778.276



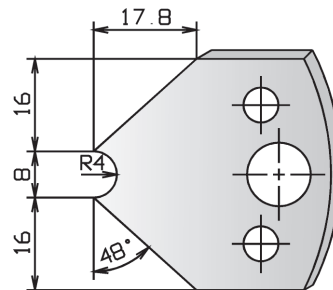
Art.Nr.
778.177
778.277



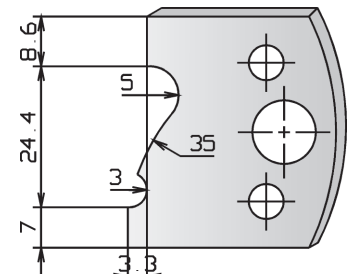
Art.Nr.
778.178
778.278



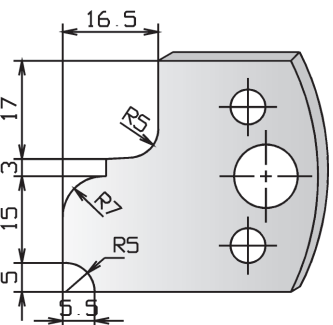
Art.Nr.
Profilmesser - profile knives 778.179
Abweiser - limiters 778.279



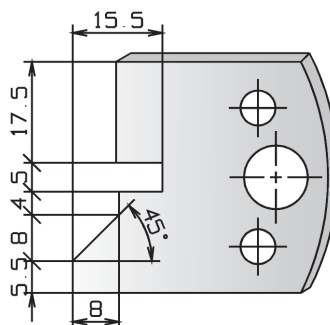
Art.Nr.
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778.280



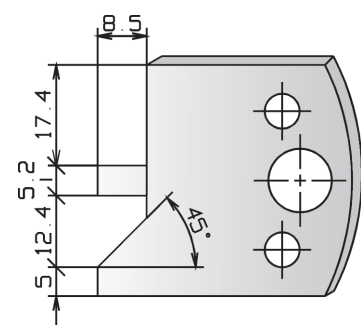
Art.Nr.
778.181
778.281



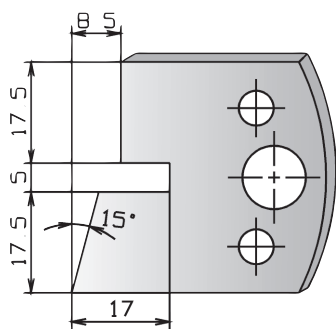
Art.Nr.
Profilmesser - profile knives 778.182
Abweiser - limiters 778.282



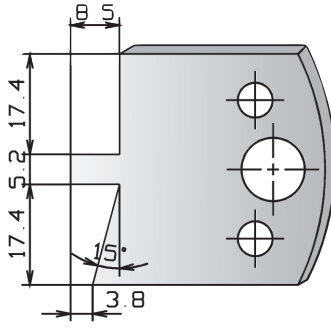
Art.Nr.
778.183
778.283



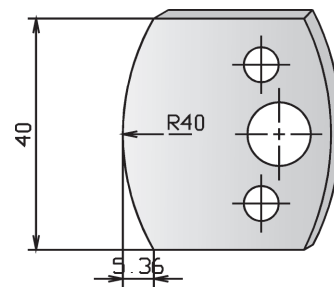
Art.Nr.
778.184
778.284



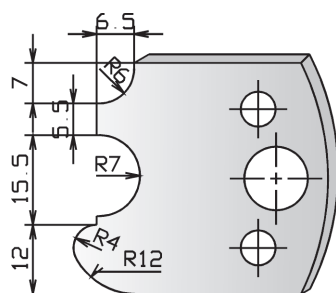
Art.Nr.
778.185
Profilmesser - profile knives
Abweiser - limiters



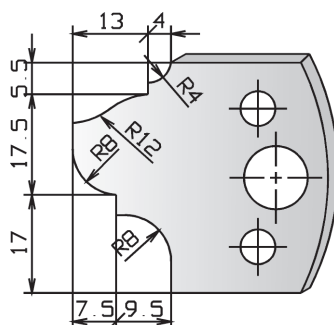
Art.Nr.
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778.286



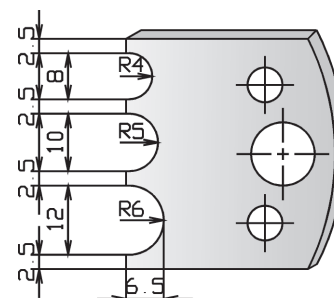
Art.Nr.
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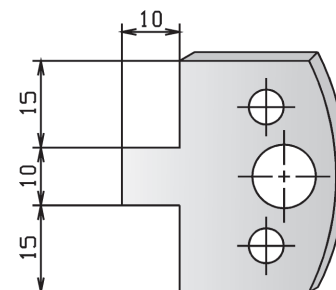
Art.Nr.
778.188
Profilmesser - profile knives
Abweiser - limiters



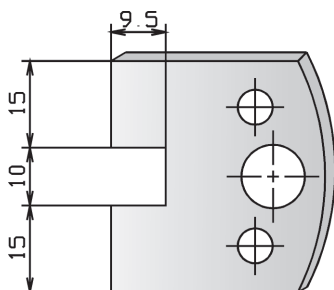
Art.Nr.
778.189
778.289



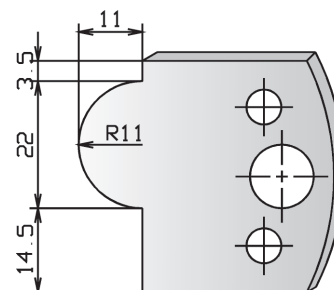
Art.Nr.
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778.290



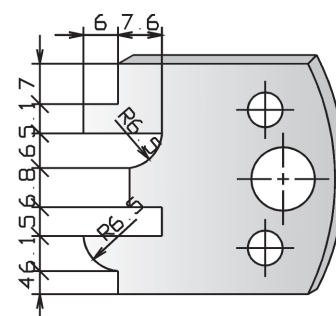
Art.Nr.
778.191
Profilmesser - profile knives
Abweiser - limiters



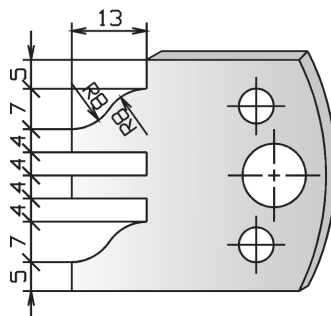
Art.Nr.
778.192
778.292



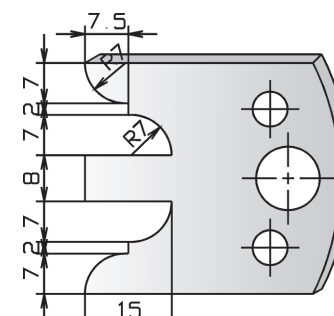
Art.Nr.
778.193
778.293



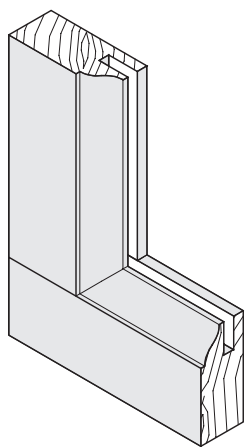
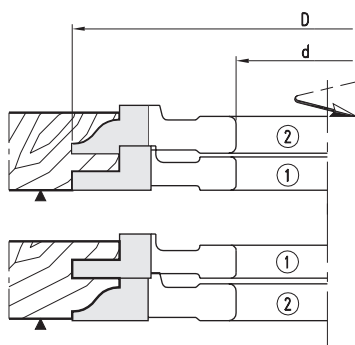
Art.Nr.
778.194
Profilmesser - profile knives
Abweiser - limiters



Art.Nr.
778.195
778.295



Art.Nr.
778.196
778.296



- HW-Profilmesserkopf mit Stahlgrundkörper zum Fräsen von Profilen und Konterprofilen an Massivholz-Rahmen-türen
- Lieferbar in elf Profilvarianten
- Ausführung für manuellen Vorschub
- TC-tipped profile cutterhead with a steel body for cutting profiles and counter profiles in solid-wood frame doors
- available in eleven different profiles
- for manual feed

P1
P1

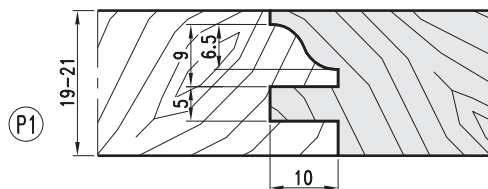
MAN

HW

Nr.	D	B	d	Z	n _{min} - n _{max}	Art.Nr.
1	140	12	50	3	5500-9500	8289.140.012
2		13	50	3	5500-9500	8289.140.013

Garnitur - Set (1+2)

8289.001.000

P2
P2

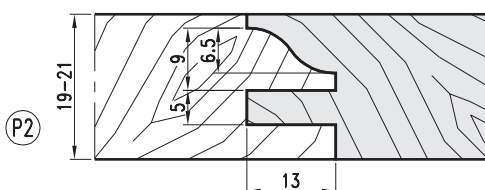
MAN

HW

Nr.	D	B	d	Z	n _{min} - n _{max}	Art.Nr.
1	140	12	50	3	5500-9500	8289.140.112
2		13	50	3	5500-9500	8289.140.113

Garnitur - Set (1+2)

8289.002.000

P3
P3

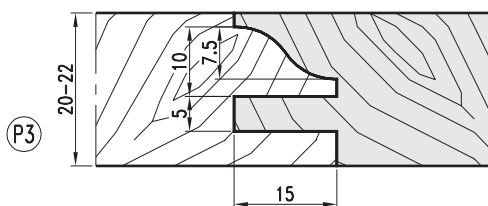
MAN

HW

Nr.	D	B	d	Z	n _{min} - n _{max}	Art.Nr.
1	140	12	50	3	5500-9500	8289.140.212
2		14	50	3	5500-9500	8289.140.014

Garnitur - Set (1+2)

8289.003.000

P4
P4

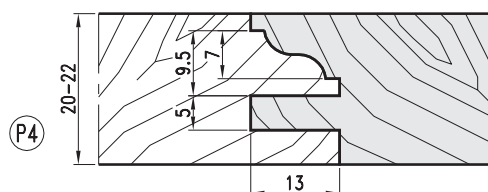
MAN

HW

Nr.	D	B	d	Z	n _{min} - n _{max}	Art.Nr.
1	140	12	50	3	5500-9500	8289.140.112
2		13	50	3	5500-9500	8289.140.213

Garnitur - Set (1+2)

8289.004.000

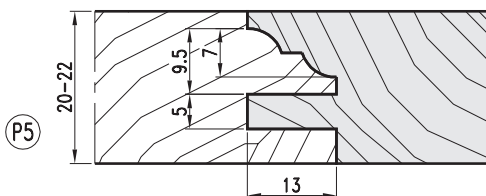



P5
P5

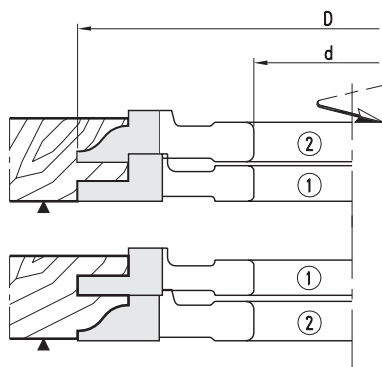
MAN

HW

Nr.	D	B	d	Z	n _{min} - n _{max}	Art.Nr.
1	140	12	50	3	5500-9500	8289.140.112
2		13	50	3	5500-9500	8289.140.313
Garnitur - Set (1+2)						8289.005.000



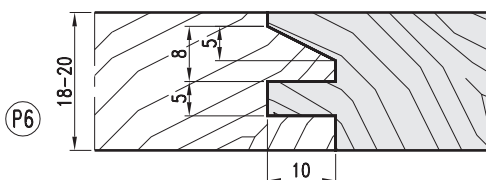
P5


P6
P6

MAN

HW

Nr.	D	B	d	Z	n _{min} - n _{max}	Art.Nr.
1	140	12	50	3	5500-9500	8289.140.012
2		13	50	3	5500-9500	8289.140.114
Garnitur - Set (1+2)						8289.006.000



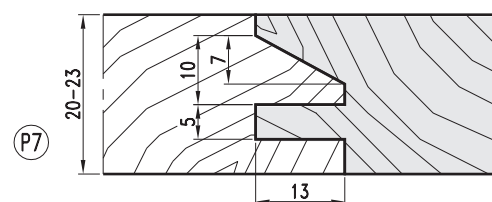
P6

P7
P7

MAN

HW

Nr.	D	B	d	Z	n _{min} - n _{max}	Art.Nr.
1	140	12	50	3	5500-9500	8289.140.212
2		13	50	3	5500-9500	8289.140.015
Garnitur - Set (1+2)						8289.007.000



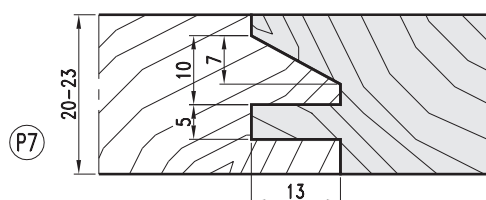
P7

P8
P8

MAN

HW

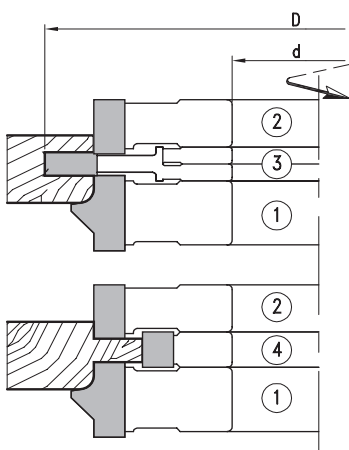
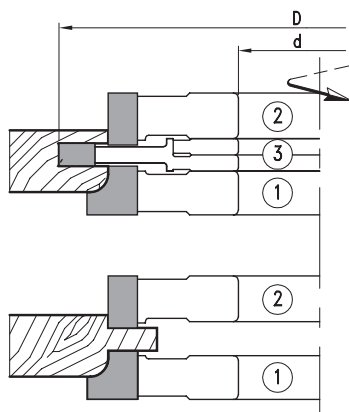
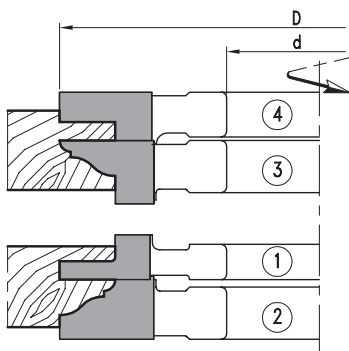
Nr.	D	B	d	Z	n _{min} - n _{max}	Art.Nr.
1	140	12	50	3	5500-9500	8289.140.312
2		13	50	3	5500-9500	8289.140.115
Garnitur - Set (1+2)						8289.008.000



P8

- HW-Profilmesserkopf mit Stahlgrundkörper zum Fräsen von Profilen und Konterprofilen an Massivholz-Rahmen-türen
- Lieferbar in elf Profilvarianten
- Ausführung für manuellen Vorschub

- TC-tipped profile cutterhead with a steel body for cutting profiles and counter profiles in solid-wood frame doors
- available in eleven different profiles
- for manual feed



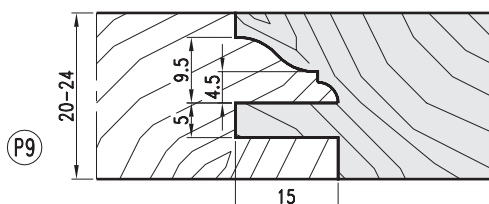
- HW-Profilmesserkopf mit Stahlgrundkörper zum Fräsen von Profilen und Konterprofilen an Massivholz-Rahmentüren
- Lieferbar in elf Profilvarianten
- Ausführung für manuellen Vorschub
- TC-tipped profile cutterhead with steel body for cutting profiles and counter profiles in solid-wood frame doors
- available in eleven different profiles
- for manual feed

P9
p9

MAN

HW

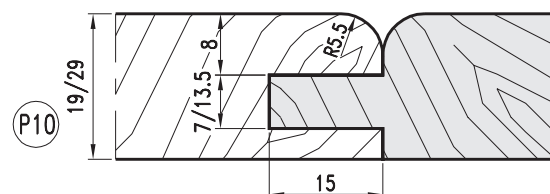
Nr.	D	B	d	Z	n _{min} - n _{max}	Art.Nr.
1	140	12	50	3	5500-9500	8289.140.212
2		17	50	3	5500-9500	8289.140.017
3		17	50	3	5500-9500	8289.140.117
4		15	50	3	5500-9500	8289.140.215
Garnitur - Set (1+2)						8289.009.000
Garnitur - Set (3+4)						8289.009.001

P10
P10

MAN

HW

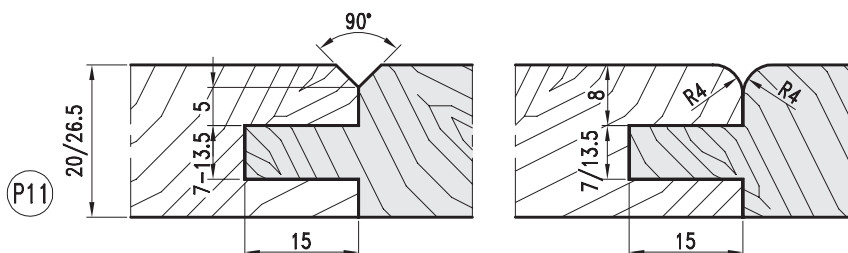
Nr.	D	B	d	Z	V	n _{min} - n _{max}	Art.Nr.
1	143	10	50	3		5300-9100	8289.143.010
2	130	16	50	3		6000-10200	8289.130.016
3	160	7-13,5	50	4	4	4800-8300	8289.160.007
Garnitur - Set (1+2+3)							8289.010.000

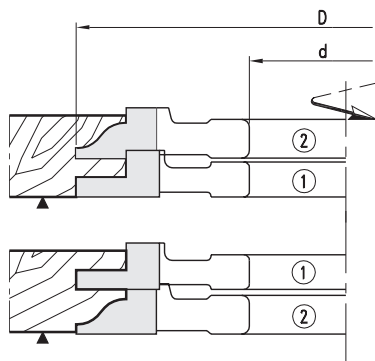
P11
P11

MAN

HW

Nr.	D	B	d	Z	V	n _{min} - n _{max}	Art.Nr.
1	143	22,5	50	3		5300-9100	8289.143.023
2	130	16	50	3		6000-10200	8289.130.116
3	160	7-13,5	50	4	4	4800-8300	8289.160.107
4	100	15	50	3		7700-13300	8289.100.015
Garnitur - Set (1+2+3)							8289.011.000



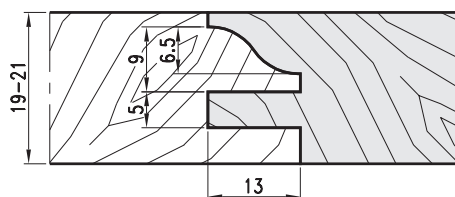

Türprofil- und Konterprofilgarnitur Z=3
Door profile and counter-profile set Z=3

MAN

HW

Nr.	D	B	d	Z	n _{min} - n _{max}	Art.Nr.
1	120	10,5	30	2	6400-11100	8289.120.011
2	120	11,8	30	2	6400-11100	8289.120.012
Garnitur - Set (1+2)						8289.012.000

- HW-Profilmesserkopf mit Stahlgrundkörper zum Fräsen von Profilen und Konterprofilen an Massivholz-Rahmentüren
- Ausführung für manuellen Vorschub
- *TC-tipped profile cutterhead with steel body for cutting profiles and counter profiles in solid-wood frame doors*
- *for manual feed*

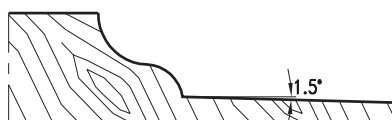
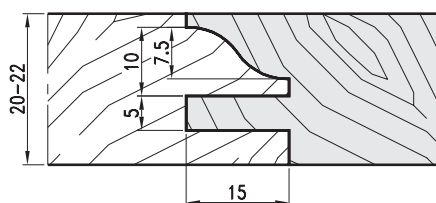
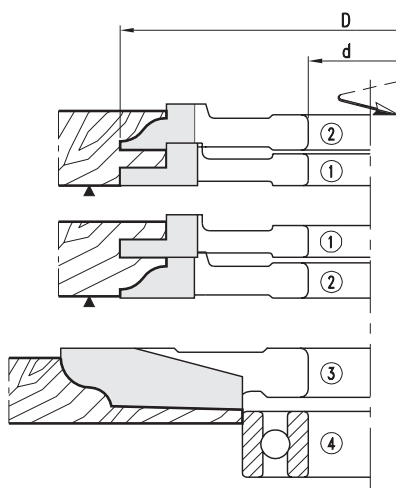

Türprofil- und Konterprofilgarnitur Z=2
Door profile and counter-profile set Z=2

MAN

HW

Nr.	D	B	d	Z	n _{min} - n _{max}	Art.Nr.
1	120	10,5	30	2	6400-11100	8289.120.111
2	120	11,8	30	2	6400-11100	8289.120.112
3	150	14,0	30	2	5200-8900	8289.150.014
4	62					8289.062.000
Garnitur - Set (1+2+3+4)						8289.013.000

- HW-Profilmesserkopf mit Stahlgrundkörper zum Fräsen von Profilen und Konterprofilen sowie zum Abplatteln von Füllungen mit Anlaufring
- Ausführungen für manuellen Vorschub
- *TC-tipped profile cutterhead with steel body for cutting profiles and counter profiles, as well as for flattening panels with guide ring*
- *for manual feed*




Türprofil- und Konterprofilgarnitur
Door profile and counter-profile set
MEC**HW**

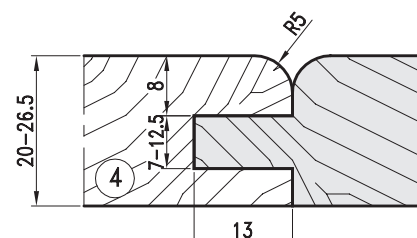
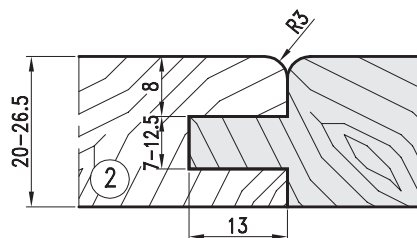
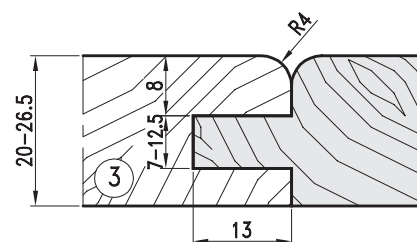
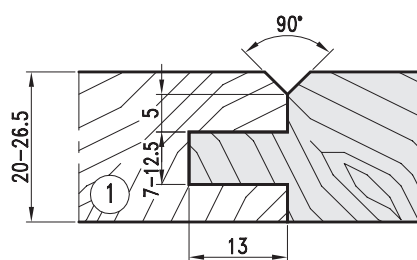
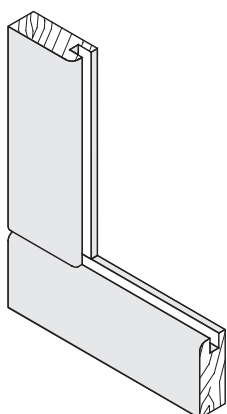
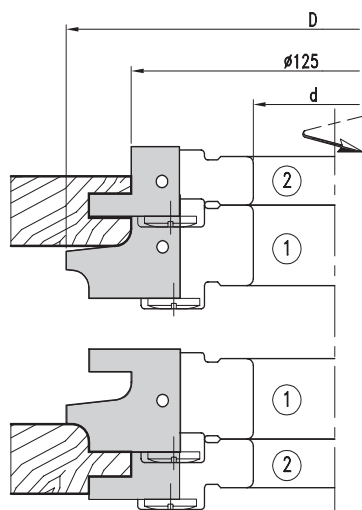
Nr.	D	B	d	Z	n _{min} - n _{max}	Art.Nr.
1	165	30	30/50	2	5500-9500	● 4814.165.030
2	151	20	30/50	2	5500-9500	● 4814.151.020
Garnitur - Set (1+2)						4814.000.000

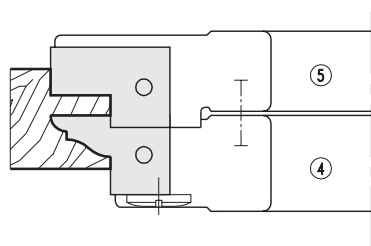
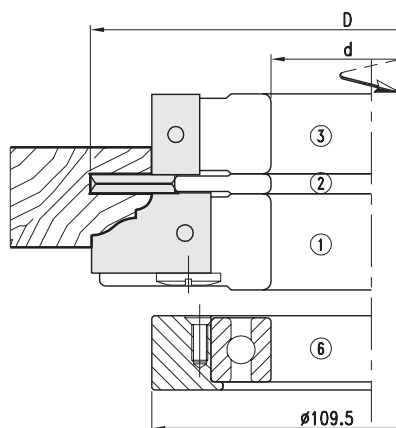
- Ohne Wendemesser, bitte bestellen Sie diese separat.
- without replacement knives, please order them separately

- WP-Profilmesserkopf mit Stahlgrundkörper zum Fräsen von Profilen und Konterprofilen an Massivholz-Rahmentüren. Erhältlich in vier verschiedenen Profilvarianten.
- Ausführung für mechanischen Vorschub
- profile cutterhead with steel body and replaceable knives for cutting profiles and counter profiles in solid-wood frame doors, available in four different profiles
- for mechanical feed

Wechselmesser/Ersatzteile
Replacement knives/Spare parts

	Nr.	P	Dim.	Art.Nr.
Wechselmesser - Replacement knife	1	P1	30x35x2	785.790
		P2	30x35x2	785.791
		P3	30x35x2	785.792
		P4	30x35x2	785.793
	2		20x30x2	785.794
Spannkeil - Clamping wedge	1			707.578.01
	2			707.578.02
Gewindestift - Set screw			M8x16	705.542
Sechskantschlüssel - Allen key			SW4(M8)	706.104



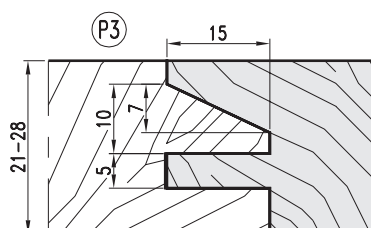
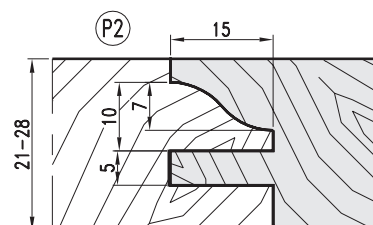
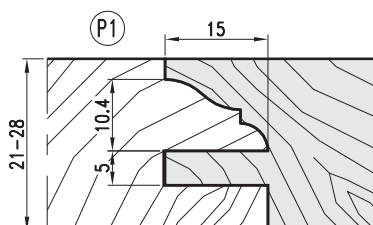

Türprofil- und Konterprofilgarnitur
Door profile and counter-profile set
MAN**HW**

Nr.	D	B	d	Z	n _{min} - n _{max}	Art.Nr.
1	139,5	20	50	4	5500-9500	● 4819.140.020
2	140,0	5	50	4	5500-9500	4849.140.005
3	109,5	20	50	4	7000-11900	4819.110.020
4	160,0	20	50	3	4800-8300	● 4819.160.020
5		20	50	3	4800-8300	4819.160.120
6	109,5	Anlaufring - Guide ring				702.224
Garnitur - Set						4819.000.000

- Ohne Wechselmesser, bitte bestellen Sie diese separat.
- replacement knives are not included, please order them separately
- WP-Profilmesserkopf mit Stahlgrundkörper zum Fräsen von Profilen und Konterprofilen an Massivholz-Rahmentüren mit Anlaufring. Erhältlich in drei verschiedenen Profilvarianten.
- Ausführung für manuellen Vorschub.
- profile cutterhead with steel body and replaceable knives for cutting profiles and counter profiles in solid-wood frame doors with guide ring, available in three different profiles
- for manual feed

Wechselmesser/Ersatzteile
Replacement knives/Spare parts

	Nr.	P	Dim.	Art.Nr.
Wechselmesser - Replacement knife	1	P1	20x30x2	785.750
		P2	20x30x2	785.751
		P3	20x30x2	785.752
	3		20x12x15	750.102
	4	P1	20x30x2	785.753
		P2	20x30x2	785.754
		P3	20x30x2	785.755
	5		20x30x2	785.756
Spannkeil - Clamping wedge	1			707.091
	3			707.130.20
	4			707.092
	5			707.093
Gewindestift - Set screw			M8x16	705.542
Kugellager - Ball bearing	6		D-80	701.105
Sechskantschlüssel - Allen key			SW4	706.104




Türprofil- und Konterprofilgarnitur
Door profile and counter-profile set

MAN

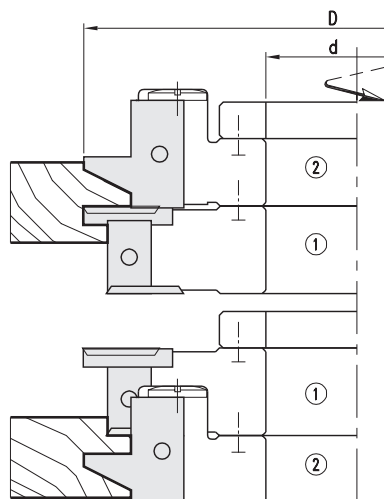
HW

Nr.	D	B	d	Z	V	I	n _{min} - n _{max}	Art.Nr.
1	150,2	24,0	30/50	2	2+2	2	5200-8900	4819.150.024
2	150,0	29,5	30/50	2			5200-8900	4819.150.030
Garnitur - Set (1+2)								4819.000.001

- WP-Profilmesserkopf mit Stahlgrundkörper zum Fräsen von Profilen und Konterprofilen an Massivholz-Rahmentüren. Erhältlich in drei verschiedenen Profilvarianten.
- Ausführung für manuellen Vorschub
- *profile cutterhead with steel body and replaceable knives for cutting profiles and counter profiles in solid-wood frame doors, available in three different profiles*
- *for manual feed*

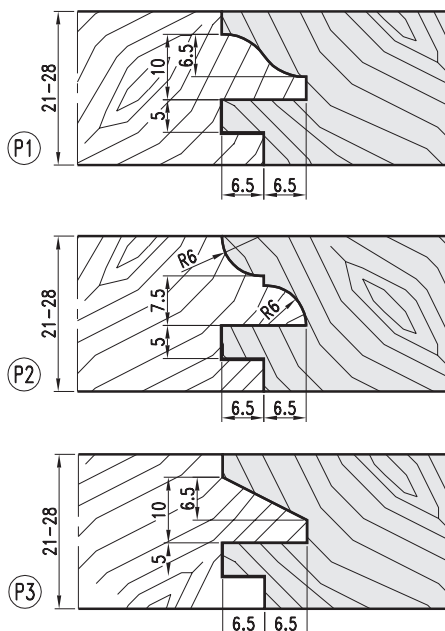
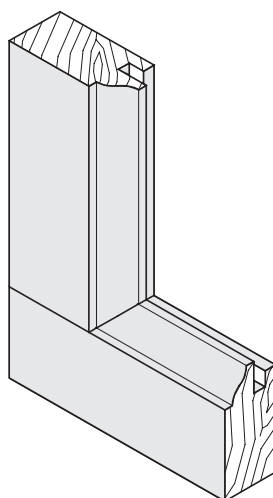
Wechselmesser/Ersatzteile
Replacement knives/Spare parts

	Nr.	P	Dim.	Art.Nr.
Wechselmesser - Replacement knife	2	P1	29,5X27,5X2	785.404
		P2	29,5X27,5X2	785.405
		P3	29,5X27,5X2	785.406
Spannkeil - Clamping wedge	1	P4	20x12x1,5	750.102
	2			707.253
	1			707.002.18
Gewindestift - Set screw			M8x16	705.542
Vorschneider - Scoring blade			22x19x2	760.101
Spannschraube - Clamping screw			M5x7	705.425
Nutmesser - Grooving blade			13x24,5x5	783.102
Schraube - Screw			M5x13,5	705.318
			SW3(M5)	706.103
Sechskantschlüssel - Allen key			SW4(M8)	706.104



- Garnitur Art. 4819.000.001 wird vollständig mit 3 Profilen geliefert

- *set with Art. No. 4819.000.001 includes three profiles*



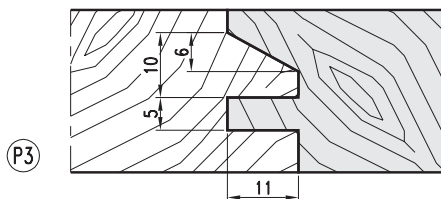
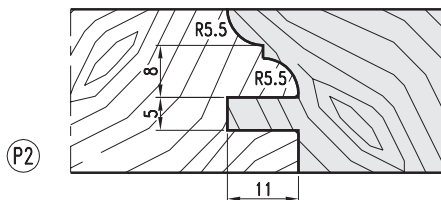
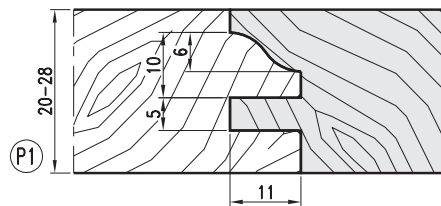
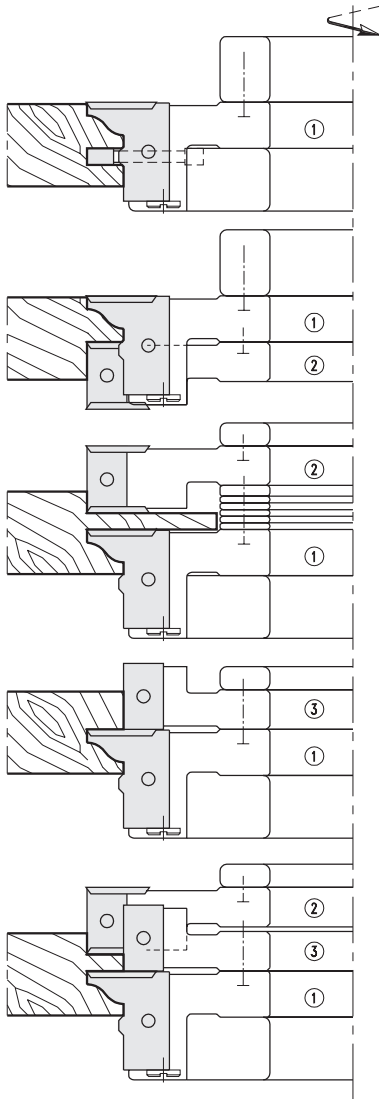

HW Türprofil- und Konterprofilgarnitur - Wechselmesser
TC Profile- and counterprofile cutterset for doors - Reversible knife
MAN**HW**

Nr.	D	B	d	Z	V	I	n min - n max	Art.Nr.
1	160	30	30/50	3	3	3	5500-9500	● 4819.160.030
2		20	30/50	3	3+3		5500-9500	4849.160.220
3	138	20	30/50	3			7000-11900	4819.138.020
4	135	19	30/50					4819.135.019
Garnitur - Cutterset								4819.000.002

- Ohne Wechselmesser
- Cutterhead supplied without knives
- WP-Profilmesserkopf mit Stahltrgkörper zum Fräsen von Profil und Konterprofil an Massivholz-Rahmentüren. Drei verschiedene Profilvarianten.
- Ausführung für manuellen Vorschub.
- TC-Profile cutterhead with steel tool body and reversible knives for profiles and counter profiles in solid wood framed doors in cabinetry. Three tool sets for frames with different profiles.
- Layout for manual feed.

Wechselmesser/Ersatzteile
Reversible knives/Spare parts

	Nr.	P	Dim.	Art.Nr.
Wechselmesser - Reversible knife	1	P1	30x25x2	785.302
		P2	30x25x2	785.301
		P3	30x25x2	785.303
	2/3		20x12x1,5	750.102
Spannkeil - Clamping wedge	1			707.807
	2/3			707.002.18
Gewindestift - Screw	1		M8x12	705.541
	2/3		M8x16	705.542
Vorschneider - Spur	1		22x19x2	760.101
	2		14x14x2	750.111
Spannschraube - Screw			M5x8	705.422
Nutmesser - Groover			35x17x5	783.121
Schraube - Screw			M5x13,5	705.318
Sechskantschlüssel - T Wrench			SW3(M5)	706.103
			SW4(M8)	706.104




WP-Profilmesserkopf für Weich- und Harthölzer
Profile cutterhead with replaceable knives for softwoods and hardwoods

MEC

HW

Nr.	D	B	d	Z	V	S	n _{max}	Art.Nr.
1	147	20	50	2			8900	● 4884.147.020
2	125	100	50	2			8900	4884.125.100
3	147	50	50	2	2	2	8900	4884.147.050
4	50	190	40					704.901

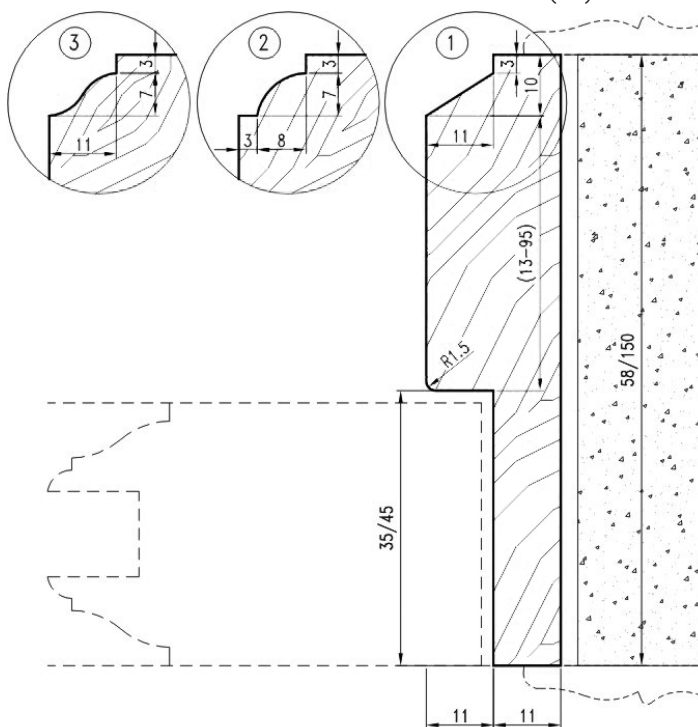
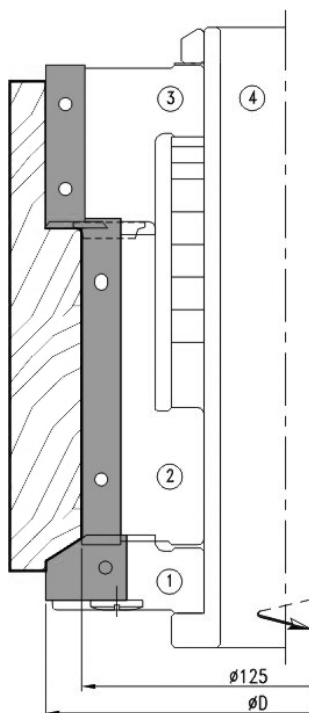
Garnitur (1+2+3+4) - Set (1+2+3+4)

4884.000.000

- Ohne Wechselmesser, bitte bestellen Sie diese separat.
- *replacement knives are not included, please order them separately*
- WP-Profilmesserkopf mit Stahlgrundkörper zum Fräsen von Tüfuttern
- Ausführung für mechanischen Vorschub
- *profile cutterhead with steel tool body and replaceable knives for cutting door linings*
- *for mechanical feed*

Wechselmesser/Ersatzteile
Replacement knives/Spare parts

	Nr.	Dim.	Art.Nr.
Wechselmesser - Replacement knife	1	20x25x2	785.621
		20x25x2	785.622
		20x25x2	785.623
	2	100x13x2,2	750.109
	3	50x12x1,5	750.106
Spannkeil - Clamping wedge	1		707.084
	2		707.002.98
	3		707.130.48
Gewindestift - Set screw (DIN915)		M8x16	705.542
Vorschneider - Scoring blade		14x14x2	750.111
Spannschraube - Clamping screw (DIN963)		M5x7	705.425
Abrundmesser - Rounding blade		R1,5	780.205
Schraube - Screw		M5x13,5	705.318
Sechskantschlüssel - Allen key		SW3(M5)	706.103
		SW4(M8)	706.104

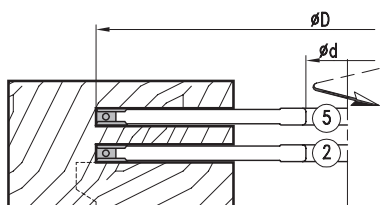
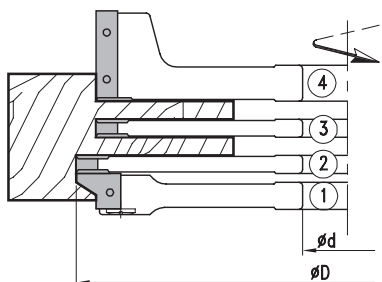



WP-Profilmesserkopf für Weich- und Harthölzer
Profile cutterhead with replaceable knives for softwoods and hardwoods
MEC**HW**

Nr.	D	B	d	Z	V	n _{min} - n _{max}	Art.Nr.
1	302	20	50	3		2600-4400	● 5239.302.020
2		10	50	3	6	2600-4400	5239.302.010
3	280	10	50	3	6	2800-4700	5199.280.010
4		50	50	3	3	2800-4700	5239.280.050
5	302	10	50	3	6	2800-4400	5199.302.010

- Ohne Wechselmesser, bitte bestellen Sie diese separat.
- *replacement knives are not included, please order them separately*

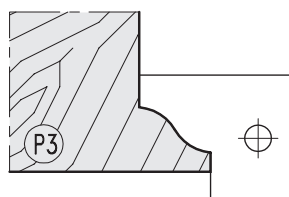
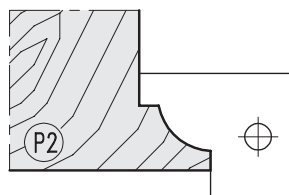
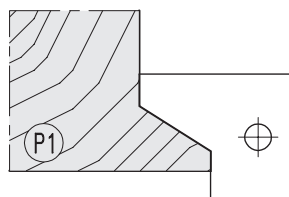
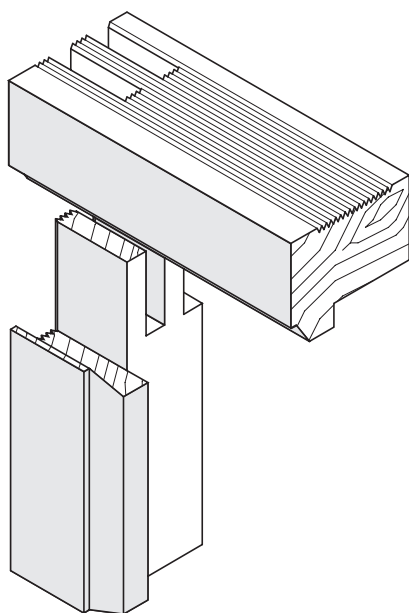
- WP-Profilmesserkopf mit Stahlgrundkörper zum Fräsen von Türfuttern
- Ausführung für mechanischen Vorschub
- *profile cutterhead with replaceable blades and a steel body for cutting door linings*
- *for mechanical feed*

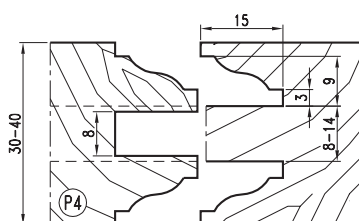
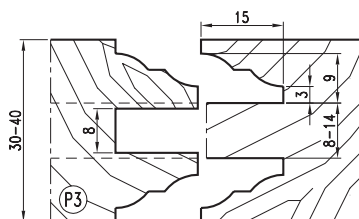
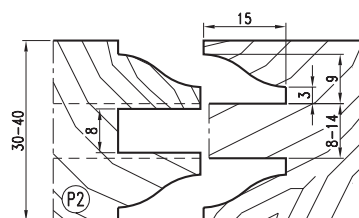
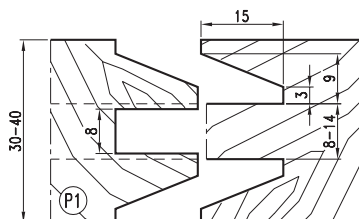

Wechselmesser/Ersatzteile
Replacement knives/Spare parts

	Nr.	P	Dim.	Art.Nr.
Wechselmesser - Replacement knife	1	P1	20x25x2	785.625
		P2	20x25x2	785.626
		P3	20x25x2	785.627
	2/3/5		9,6x12x1,5	750.098
	4		50x12x1,5	750.106
Spannkeil - Clamping wedge	1			707.085
	2/3/5			707.002.08
	4			707.130.50
Gewindestift - Set screw			M8x16	705.542
	2/3/5		M6x16	705.535
Vorschneider - Scoring blade			14x14x2	705.111
Spannschraube - Clamping screw			M5x7	705.425
Sechskantschlüssel - Allen key			SW3(M6)	706.103
			SW4(M8)	706.104

Profile, siehe Art. 4884
profiles, see Art. 4884

- Serienartikel, kurzfristige Fertigung bei Bestellung
- *standard product, manufactured promptly upon order*




Profil- und Konterprofilgarnitur
Profile and counter-profile set

MAN

HW

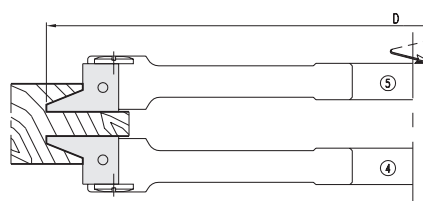
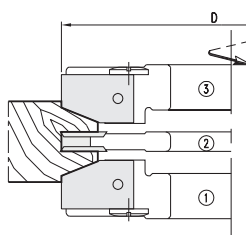
Nr.	D	B	d	Z	V	n min - n max	Art.Nr.
1	140	20	50	3		5500-9500	● 4899.140.020
2		8	50	4	4	5500-9500	5149.140.008
3		20	50	3		5500-9500	● 4899.140.120
4	302	20	50	3		2600-4400	● 4899.302.020
5		20	50	3		2600-4400	● 4899.302.120
8	140	50	50	4	4	5500-9500	4899.140.050
9	272	30	50	3	3	2800-4800	4899.272.030
10	302	30	50	3	3	2600-4400	4899.302.030

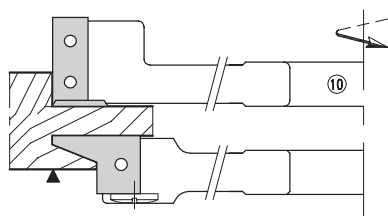
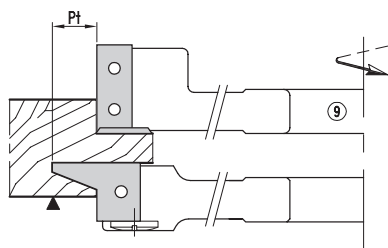
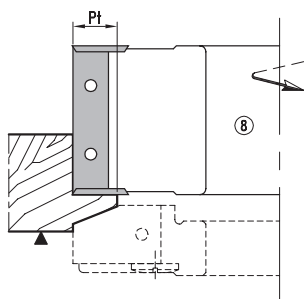
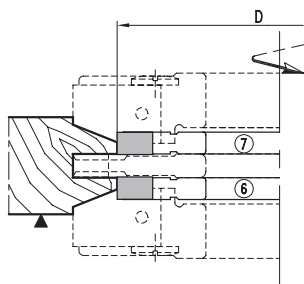
- ohne Wechselmesser
- supplied without knives

- WP-Profilmesserkopf mit Stahltragkörper zum Fräsen von Profil und Konterprofil an Massivholz-Rahmentüren.
- Zehn verschiedene Profilfräsergarnituren.
- Ausführung für manuellen Vorschub.
- TC-Profile cutterhead with steel tool body and reversible knives for profiles and counter profiles in solid wood framed doors.
- Ten different profilecuttersets.
- Layout for manual feed.

Wechselmesser/Ersatzteile
Replacement knives/Spare parts

	P	Dim.	Nr.	Art.Nr.
Wechselmesser - Replacement knife	P1	20x30x2 (P1)	1	785.601
	P1	20x30x2 (P1)	3	785.602
	P1	20x30x2 (P1)	4	785.603
	P1	20x30x2 (P1)	5	785.604
	P2	20x30x2 (P2)	1	785.605
	P2	20x30x2 (P2)	3	785.606
	P2	20x30x2 (P2)	4	785.607
	P2	20x30x2 (P2)	5	785.608
	P3	20x30x2 (P3)	1	785.609
	P3	20x30x2 (P3)	3	785.610
	P3	20x30x2 (P3)	4	785.611
	P3	20x30x2 (P3)	5	785.612
	P4	20x30x2 (P4)	1	785.613
	P4	20x30x2 (P4)	3	785.614
	P4	20x30x2 (P4)	4	785.615
	P4	20x30x2 (P4)	5	785.616
Spannkeil - Clamping wedge		7,5x12x1,5	2	750.097
		30x12x1,5	9/10	750.104
		50x12x1,5	8	750.106
			1	707.080
			2	707.002.07
Gewindestift - Set screw		M5x16	3	707.081
		M8x16	4	707.082
Vorschneider - Scoring blade		14x14x2	5	707.083
Spannschraube - Clamping screw		M5x6		705.582
Sechskantschlüssel - Allen key		SW2,5 (M5)		705.542
		SW4 (M8)		750.111
				705.424
				706.102
				706.104




Profil- und Konterprofilgarnitur für Türen
Profile and counter-profile set for doors

HW

Nr.	D	B	d	Z	V	Pt	n _{min} - n _{max}	Art.Nr.
6	110	7,6	50	3			6900-12000	4899.110.008
7		7,6	50	3			6900-12000	4899.110.108
8	132	30,0	50	3	3	11	5800-10000	4899.132.030
8		50,0	50	3	3	11	5800-10000	4899.132.050
8	140	50,0	50	4	4	15	5500-9500	5769.140.050
9	272	30,0	50	3	3	15	2800-4800	5249.272.230
9	280	30,0	50	3	3	11	2800-4700	5249.280.230
10	302	30,0	50	3	3		2600-4400	5249.302.230

Wechselmesser/Ersatzteile
Replacement knives/Spare parts

	Nr.	Dim.	Art.Nr.
Wechselmesser - Replacement knife	6/7	7,5x12x1,5	750.097
	9/10	30x12x1,5	750.104
	8	50x12x1,5	750.106
Spannkeil - Clamping wedge	6/7		707.002.07
	9/10		707.130.30
	8		707.130.50
Gewindestift - Set screw	6/7	M6x12	705.533
		M8x16	705.542
Vorschneider - Scoring blade		14x14x2	705.111
Spannschraube - Clamping screw		M5x7	705.425
Sechskantschlüssel - Allen key		SW3(M6)	706.103
		SW4(M8)	706.104




Profil- und Konterprofilgarnitur für Türen
Profile and counter-profile set for doors

MAN

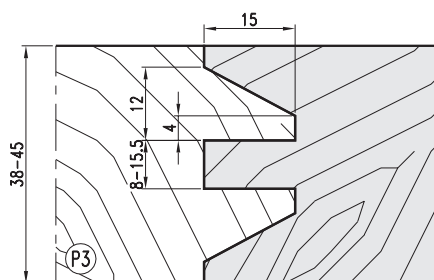
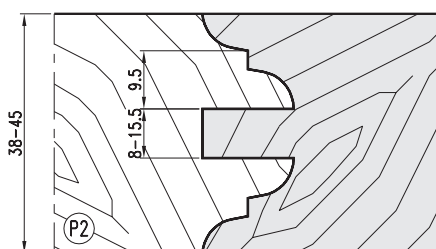
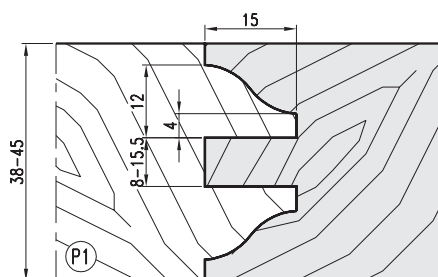
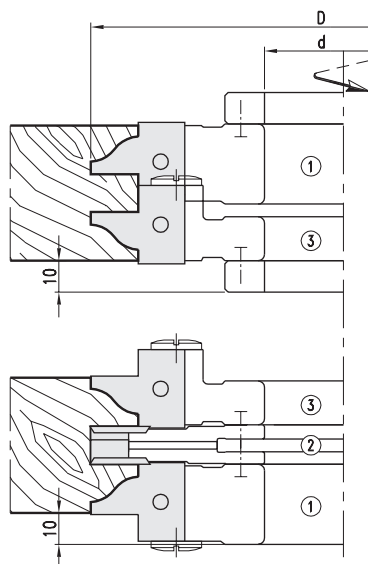
HW

Nr.	D	B	d	Z	V	n _{min} - n _{max}	Art.Nr.
1	160	25	30/50	2		4800-8300	● 4894.160.025
2		8-15	30/50	4	4	4800-8300	4894.160.008
3		25	30/50	2		4800-8300	● 4894.160.125
Garnitur (1+2+3) - Set (1+2+3)							4894.000.000

- WP-Profilmesserkopf mit Stahlgrundkörper zum Fräsen von Profilen und Konterprofilen an Massivholz-Rahmentüren. Garnitur aus drei verschiedenen Profilfräsern.
- Ausführung für manuellen Vorschub
- profile cutterhead with steel body and replaceable knives for cutting profiles and counter profiles in solid-wood frame doors, set includes three different profile cutters
- for manual feed

Wechselmesser/Ersatzteile
Replacement knives/Spare parts

	P	Nr.	Dim.	Art.Nr.
Wechselmesser - Replacement knife	P1	1	29,5x25x2	785.502
	P1	3	29,5x25x2	785.501
	P2	1	29,5x25x2	785.504
	P2	3	29,5x25x2	785.503
	P3	1	29,5x25x2	785.506
	P3	3	29,5x25x2	785.505
Spannkeil - Clamping wedge		2	7,5x12x1,5	750.097
		1		707.531
		2		707.002.06
Gewindestift - Set screw		3		707.530
		2	M5x12	705.523
		1/3	M6x16	705.535
Vorschneider - Scoring blade			14x14x2	750.111
Spannschraube - Clamping screw			M5x7	705.425
Sechskantschlüssel - Allen key			SW2,5	706.102
			SW3	706.103




Türprofil- und Konterprofilgarnitur
Door profile and counter-profile set

MAN

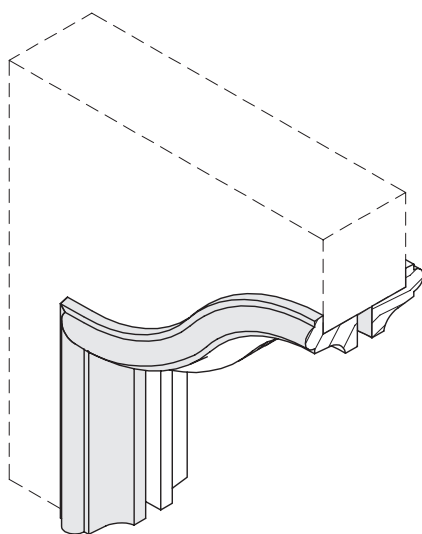
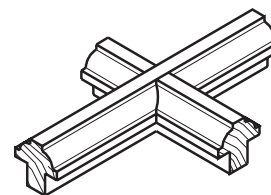
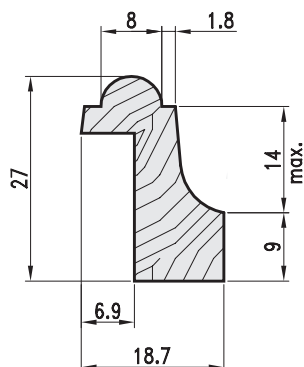
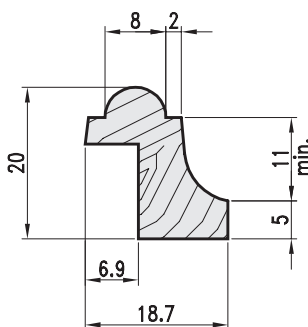
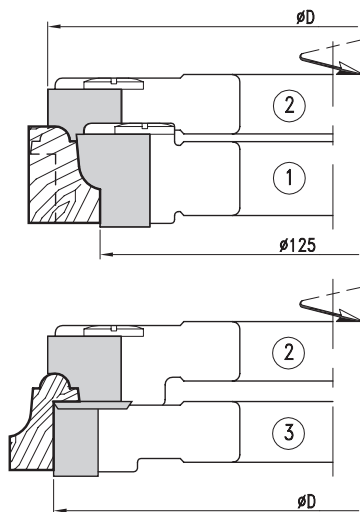
HW

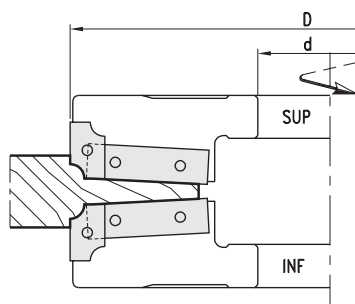
Nr.	D	B	d	Z	n _{min} - n _{max}	Art.Nr.
1	138	25	30/50	3	5600-9600	4839.138.025
2	153	20	30/50	3	5000-8600	4839.153.020
3	151	20	30/50	3	5000-8600	4839.151.020

- WP-Profilmesserkopf mit Stahlgrundkörper zum Fräsen von Sprossen und Leisten an Massivholz-Rahmentüren. Garnitur aus drei verschiedenen Profilfräsern.
- Ausführung für manuellen Vorschub
- *profile cutterhead with steel body and replaceable knives for cutting rungs and mouldings on solid-wood frame doors, set includes three different profile cutters*
- *for manual feed*

Wechselmesser/Ersatzteile
Replacement knives/Spare parts

	Nr.	Dim.	Art.Nr.
Wechselmesser - <i>Replacement knife</i>	1	25x20x2	785.774
	2	20x20x2	785.775
	3	20x12x1,5	750.102
Spannkeil - <i>Clamping wedge</i>	1		707.002.23
	2		707.576.01
	3		707.133.20
Gewindestift - <i>Set screw</i>		M8x16	705.542
Vorschneider - <i>Scoring blade</i>		14x14x2	750.111
Spannschraube - <i>Clamping screw</i>		M5x7	705.425
Sechskantschlüssel - <i>Allen key</i>		SW4	706.104




Abplattfräser
Panel raising cutter

MAN

HW

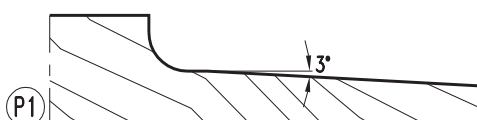
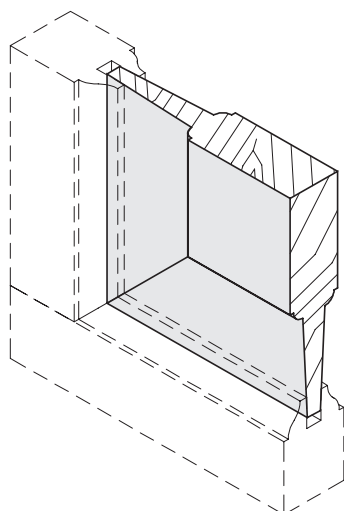
D	B	d	Z	n _{min} - n _{max}	SUP	INF
180	30	30/50	2+2	4300-7400	● 5279.180.030	5279.180.130

- Abplattfräser wird mit P1 geliefert, auf Anfrage mit P2, P3 oder Profilen nach Wunsch.
- *panel raising cutter is supplied P1; on request, it can be supplied with P2, P3, or custom profiles*
- WP-Pofilmesserkopf mit Stahlgrundkörper zum Abplatten von Rahmenfüllungen
- Profilmesserkopf für drei verschiedene Abplattprofile zum einseitigen oder beidseitigen Abplatten
- Ausführung für manuellen Vorschub
- *panel raising cutter with steel tool body and replaceable knives for flattening frame panels*
- *profile cutterhead for three different panel raising profiles for one-sided or double-sided flattening for manual feed*

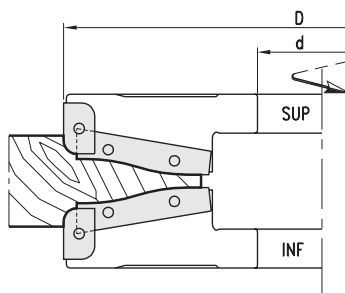
Wechselmesser/Ersatzteile
Replacement knives/Spare parts

	Nr.	Dim.	Art.Nr.
Wechselmesser - Replacement knife	1 (SUP)	20x12x1,5	781.111
	2	20x12x1,5	781.112
	3	20x12x1,5	781.113
	1 (INF)	20x12x1,5	781.114
	2	20x12x1,5	781.115
	3	20x12x1,5	781.116
Spannkeil - Clamping wedge	SUP		707.273
	INF		707.275
Wendemesser - Reversible knife		50x12x1,5	750.106
Spannkeil - Clamping wedge	SUP		707.274
	INF		707.276
Gewindestift - Set screw		M8x16	705.542
Sechskantschlüssel - Allen key	SW4		706.104
Einstelllehre - Setting gauge		1,0	709.504

- Standardprofil P1 und weitere Profilvarianten
- *basic profile P1 and additional profiles*



- Weitere Profilvarianten
- *additional profiles*


Abplattfräser
Panel raising cutter

MAN

HW

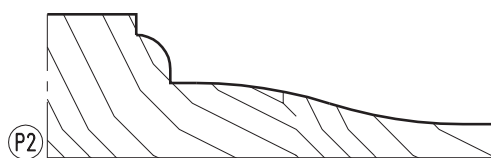
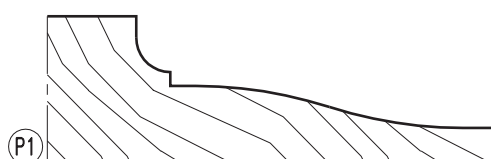
D	B	d	Z	n _{min} - n _{max}	SUP	INF
200	30	30/50	2+2	3900-6600	● 5279.200.030	5279.200.130

- Abplattfräser wird mit P1 geliefert, auf Anfrage mit P2, P3 oder Profilen nach Wunsch.
- *panel raising cutter is supplied P1; on request, it can be supplied with P2, P3, or custom profiles*
- WP-Pofilmesserkopf mit Stahlgrundkörper zum Abplatten von Rahmenfüllungen
- Profilmesserkopf für drei verschiedene Abplattprofile zum einseitigen oder beidseitigen Abplatten
- Ausführungen für manuellen Vorschub
- *panel raising cutter with steel tool body and replaceable knives for flattening frame panels*
- *profile cutterhead for three different panel raising profiles for one-sided or double-sided flattening*
- *for manual feed*

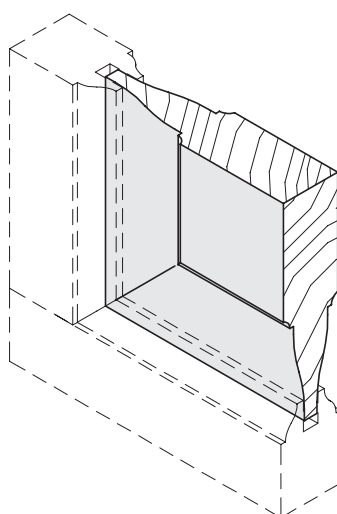
Wechselmesser/Ersatzteile
Replacement knives/Spare parts

	Nr.	Dim.	Art.Nr.
Wechselmesser - <i>Replacement knife</i>	1 (SUP)	20x12x1,5	781.111
	2	20x12x1,5	781.112
	3	20x12x1,5	781.113
	1 (INF)	20x12x1,5	781.114
	2	20x12x1,5	781.115
	3	20x12x1,5	781.116
Spannkeil - <i>Clamping wedge</i>	SUP		707.273
	INF		707.275
Wendemesser - <i>Reversible knife</i>	SUP	60x12x1,5	781.120
	INF	60x12x1,5	781.121
Spannkeil - <i>Clamping wedge</i>	SUP		707.272
	INF		707.277
Gewindestift - <i>Set screw</i>		M8x16	705.542
Sechskantschlüssel - <i>Allen key</i>		SW4	706.104
Einstelllehre - <i>Setting gauge</i>		1,0	709.504

- Standardprofil P1 und weitere Profilvarianten
- *basic profile P1 and additional profiles*



- Weitere Profilvarianten
- *additional profiles*



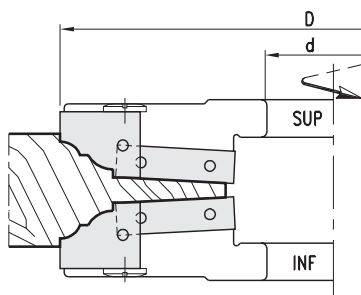

Abplattfräser
Panel raising cutter

MAN

HW

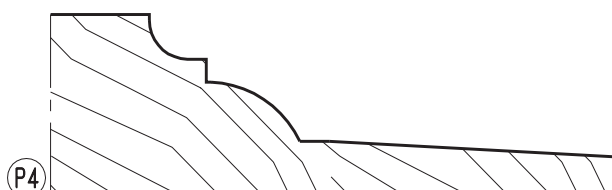
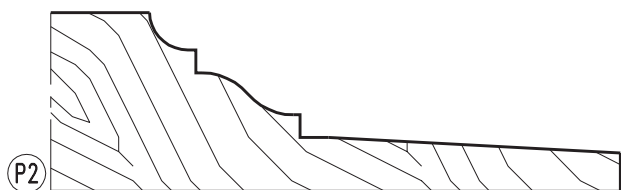
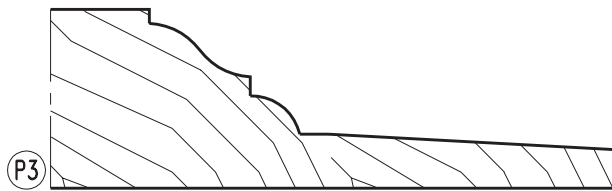
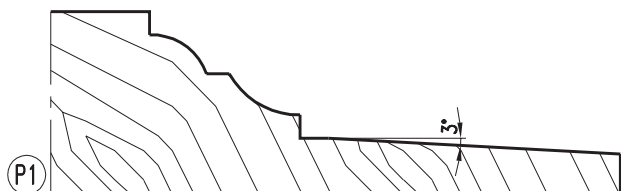
D	B	d	Z	n _{min} - n _{max}	SUP	INF
200	30	30/50	2+2	3900-6600	● 5279.200.030	5279.200.130

- Abplattfräser wird mit P1 geliefert, auf Anfrage mit P2, P3 oder Profilen nach Wunsch.
- *panel raising cutter is supplied P1; on request, it can be supplied with P2, P3, or custom profiles*
- WP-Pofilmesserkopf mit Stahlgrundkörper zum Abplatten von Rahmenfüllungen
- Profilmesserkopf für vier verschiedene Abplattprofile zum einseitigen oder beidseitigen Abplatten
- Ausführungen für manuellen Vorschub.
- *panel raising cutter with steel tool body and replaceable knives for flattening frame panels*
- *profile cutterhead for four different panel raising profiles for one-sided or double-sided flattening*
- *for manual feed*

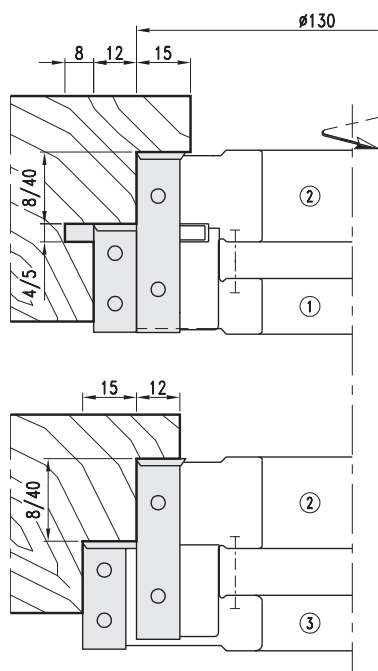

Wechselmesser/Ersatzteile
Replacement knives/Spare parts

	Nr.	Dim.	Art.Nr.
Wechselmesser - <i>Replacement knife</i>	1 (SUP)	25x30x2	782.501
	2	25x30x2	782.502
	3	25x30x2	782.503
	4	25x30x2	782.504
	1 (INF)	25x30x2	782.505
	2	25x30x2	782.506
	3	25x30x2	782.507
	4	25x30x2	782.508
Spannkeil - <i>Clamping wedge</i>	SUP		707.561
	INF		707.953
Wendemesser - <i>Replacement knife</i>		50x12x1,5	750.106
Spannkeil - <i>Clamping wedge</i>	SUP		707.144
	INF		707.139
Gewindestift - <i>Set screw</i>		M8x16	705.542
		M10x16	705.551
Sechskantschlüssel - <i>Allen key</i>		SW4	706.104
		SW5	706.105

- Standardprofil P1 und weitere Profilvarianten
- *basic profile P1 and additional profiles*



- Weitere Profilvarianten
- *additional profiles*


Doppelfalz-Fräsgarnitur für Türblätter
Double rebate cutter set for door leaves

MAN

HW

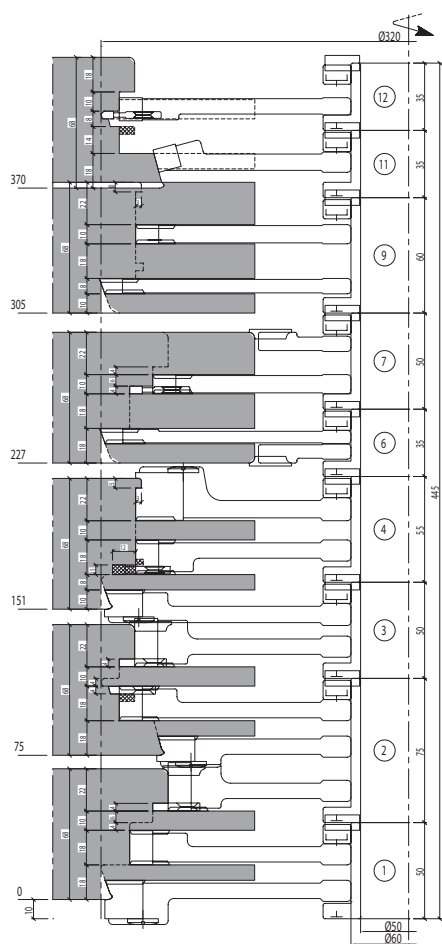
Nr.	D	B	d	Z	V	I	n _{min} - n _{max}	Art. Nr.
1	154	30	50	2	2	2	5000-8600	5299.154.030
2	130	50	50	2	2		5800-10000	5299.130.050
3	160	30	50	2	2		4800-8200	5299.160.030
4	140	30	50	2	2		5500-9500	5299.140.030
5	124	30	50	2	2		6400-11100	5299.124.030

- WP-Doppelfalz-Messerkopf mit Stahlgrundkörper zum Fräsen von Doppelfalzprofilen mit oder ohne Rahmendichtung. Geeignet für Weich- und Harthölzer sowie Verbundwerkstoffe.
- Ausführung für manuellen Vorschub
- Double rebate cutterhead with steel body and reversible knives for cutting double rebate profiles with or without frame seals. Suitable for softwoods and hardwoods, and composite materials.
- for manual feed

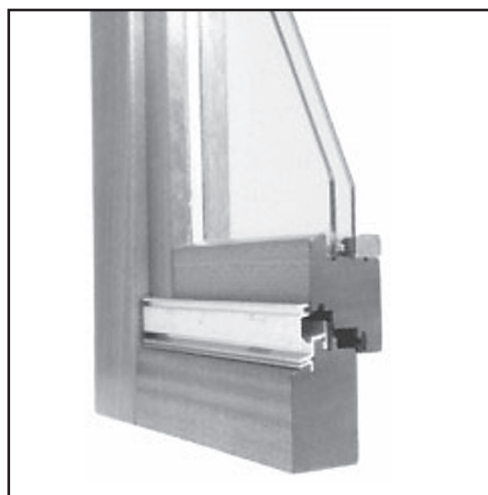
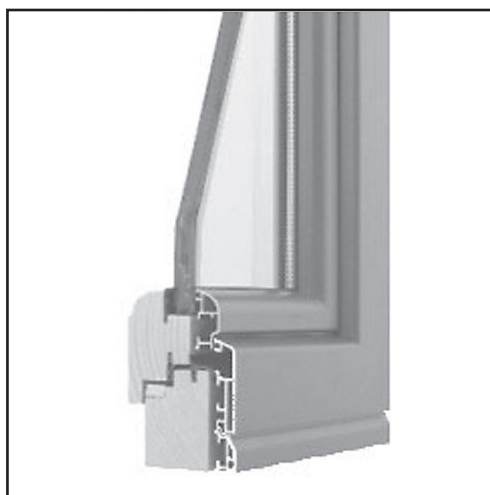
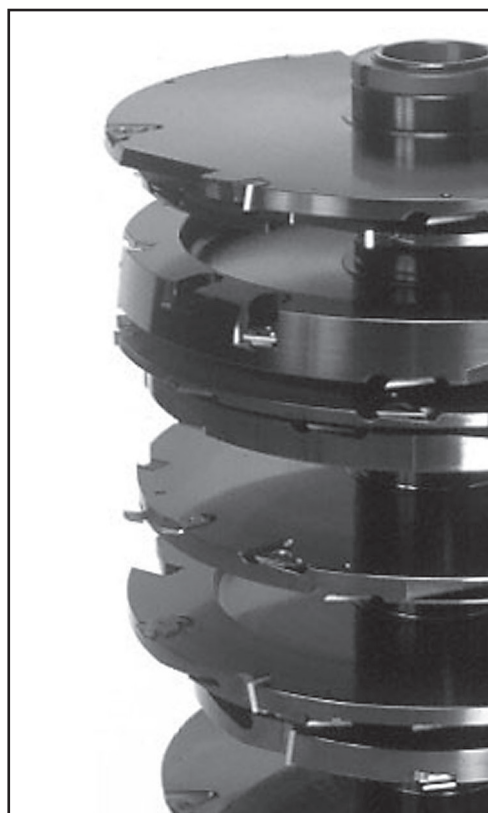
Wechselmesser/Ersatzteile
Replacement knives/Spare parts

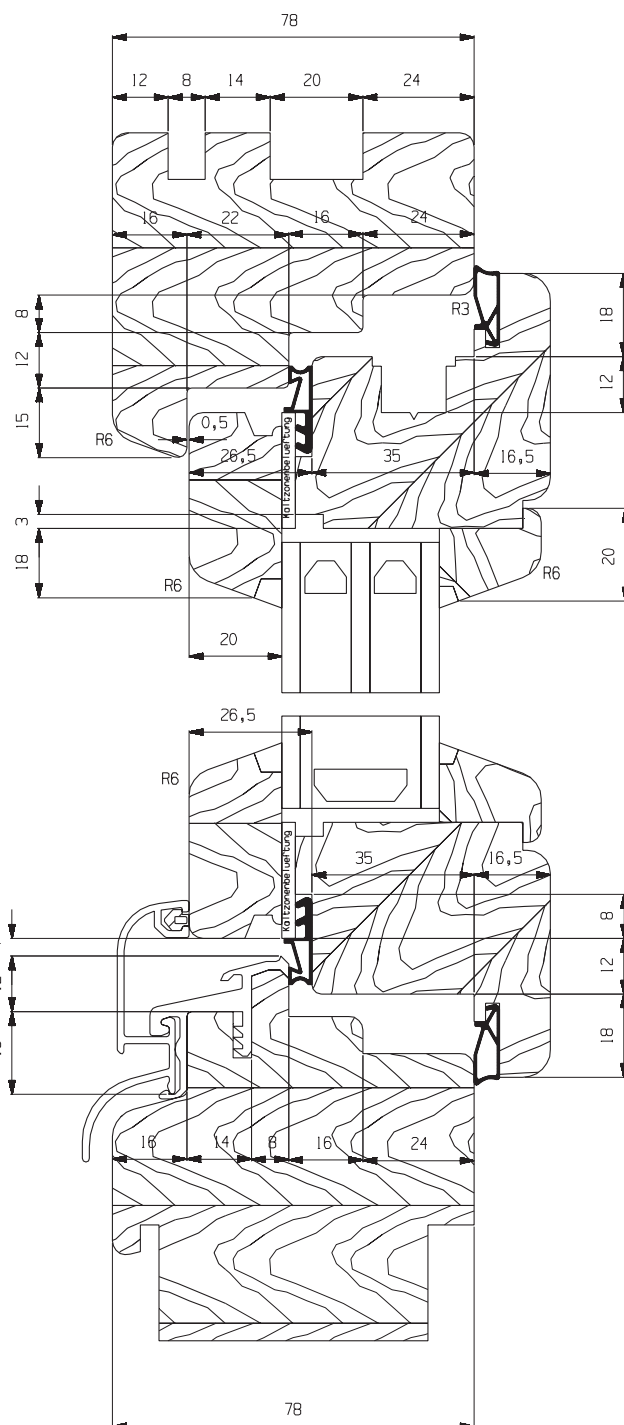
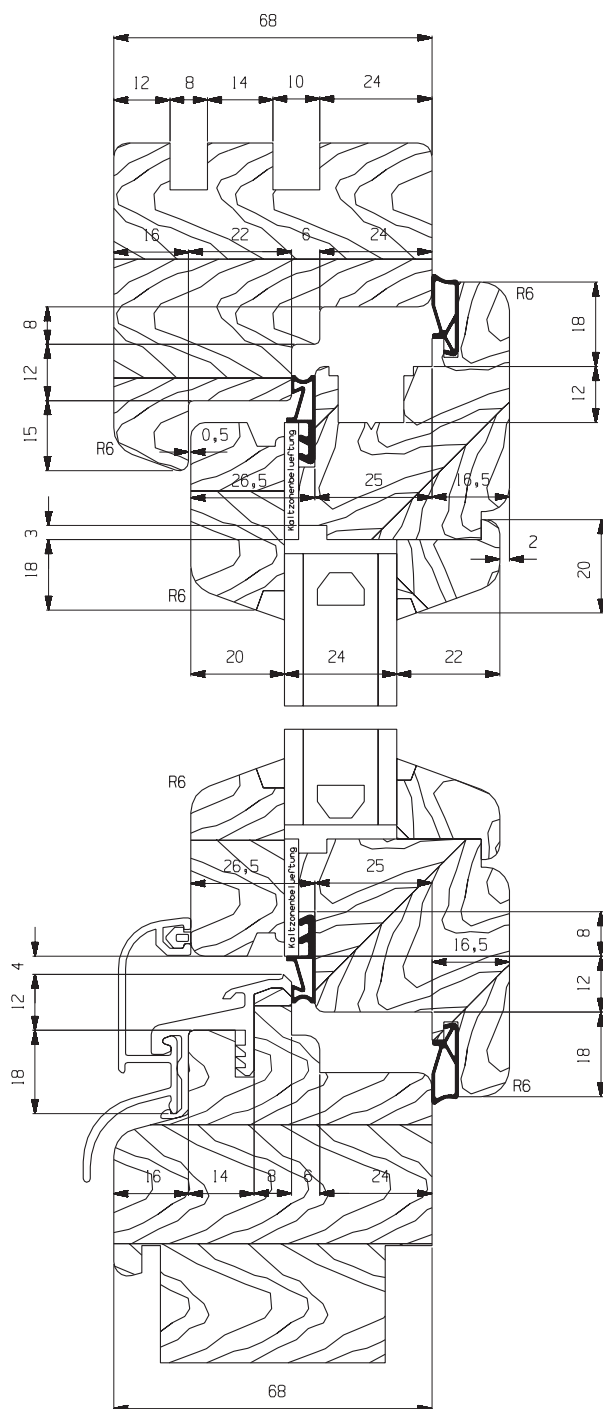
Nr.	Dim.	Art.Nr.
Wechselmesser - Replacement knife	30x12x1,5	750.104
	50x12x1,5	750.106
Spannkeil - Clamping wedge	1/3/4/5	707.002.28
	2	707.002.48
Gewindestift - Set screw	M8x16	705.542
Vorschneider - Scoring blade	2	750.111
Spannschraube - Clamping screw	M5x7	705.425
Nutmesser - Grooving blade	17x35x4	783.120
	17x35x5	783.121
Schraube - Screw	M5x13,5	705.318
Sechskantschlüssel - Allen key	SW3(M5)	706.103
	SW4(M8)	706.104

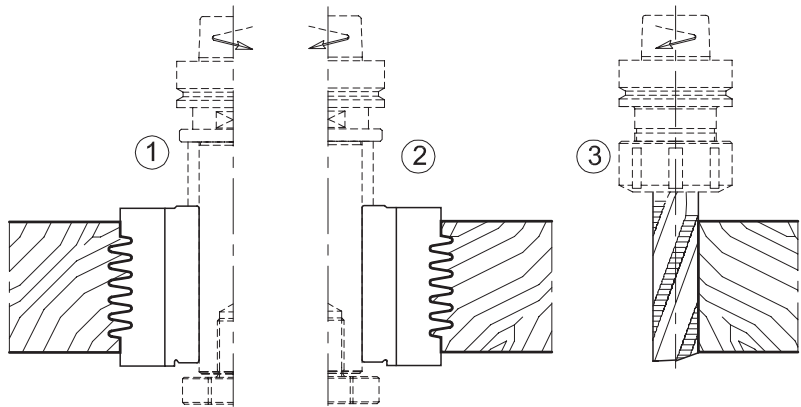
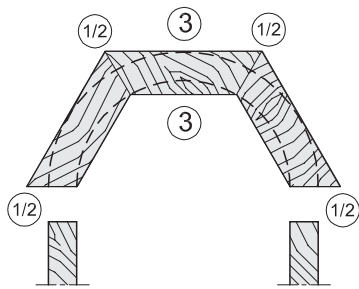
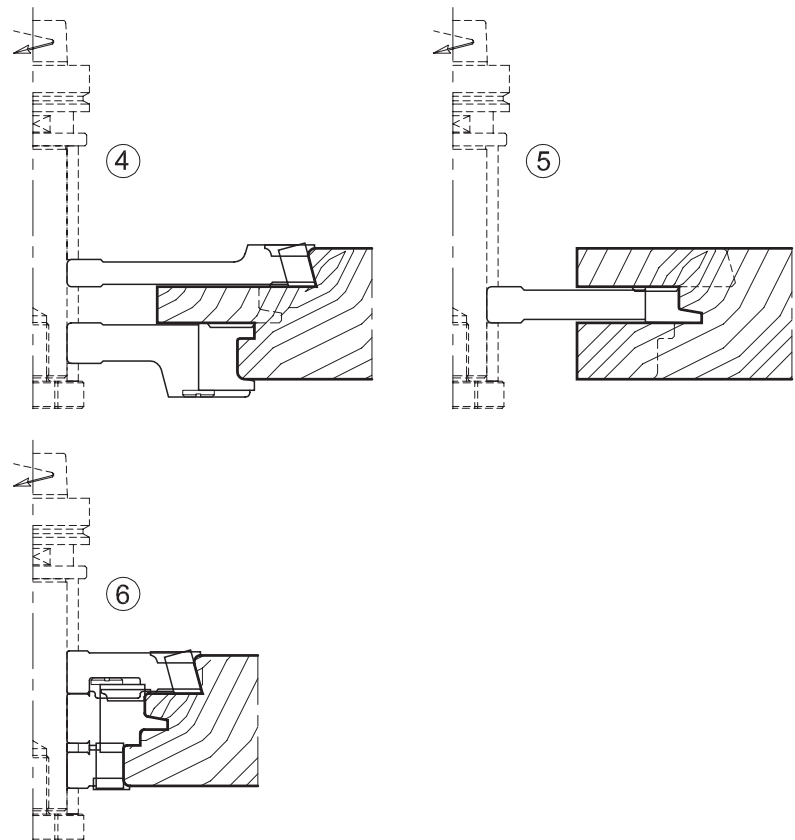
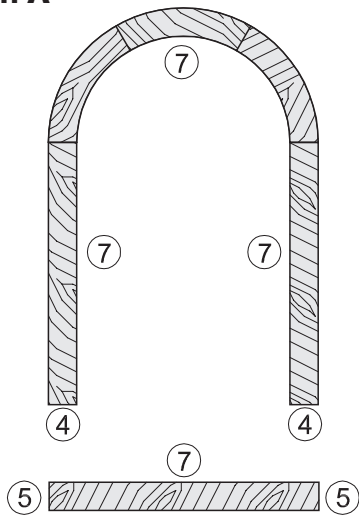
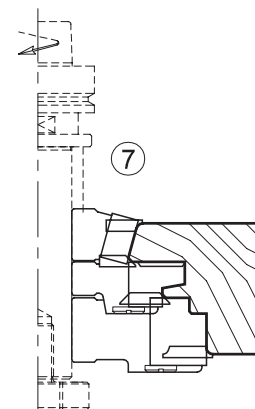
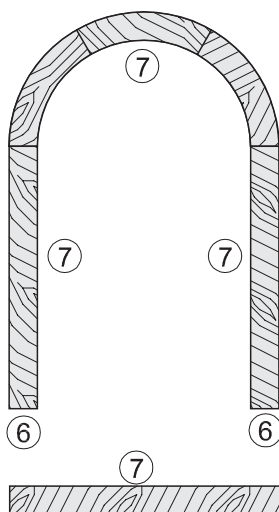
- Standardprofil P1 und weitere Profilvarianten
- basic profile P1 and additional profiles

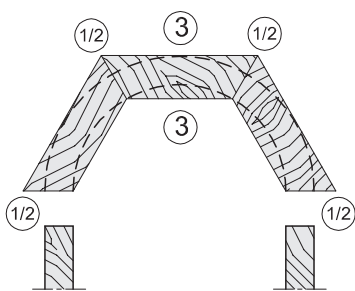
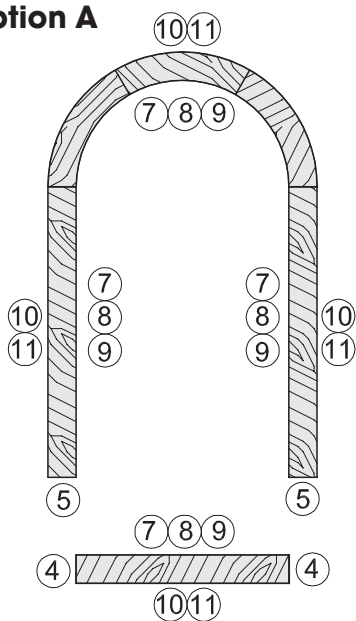
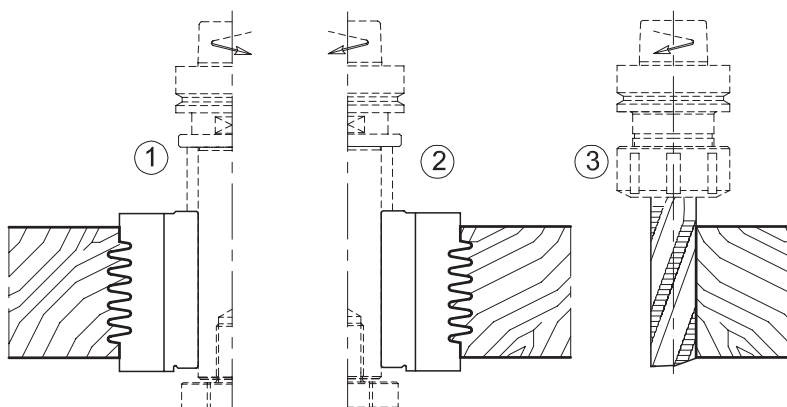
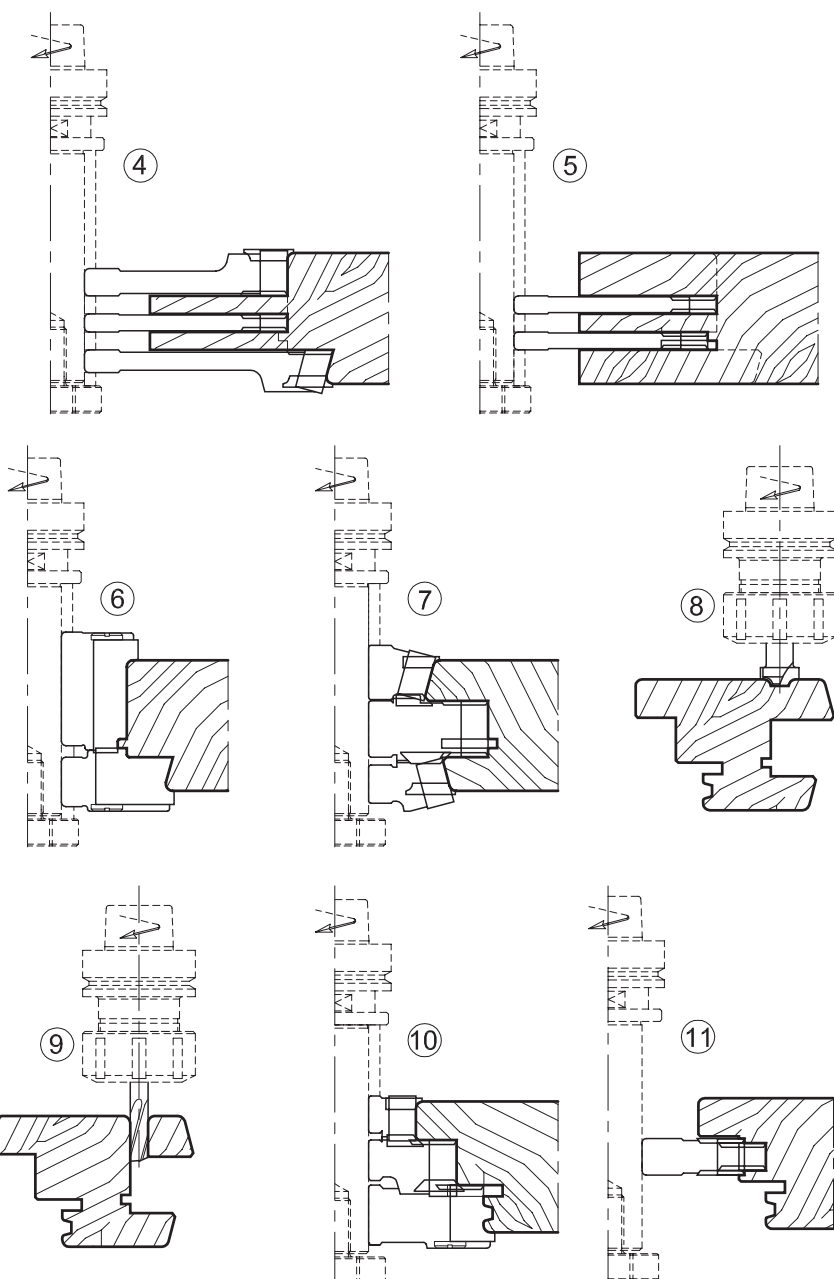


- Werkzeuge zur Fensterherstellung für alle Bearbeitungsmaschinen (manueller oder mechanischer Vorschub). Hergestellt gemäß der Norm DIN EN 847-1.
- Fenstergarnituren werden auf die erforderlichen Nullabstimmungsdurchmesser aufgebaut
- Alle Werkzeugsätze sind mit Schraubbüchsen verschraubt sowie in Durchmesser und Höhe abgestimmt
- *tools for window manufacturing for all processing machines (manual or mechanical feed)*
- *designed in accordance with DIN EN 847-1*
- *all window tool sets are built to the required zero-adjustment diameters, matched in diameter and height, and fastened with screw bushings*





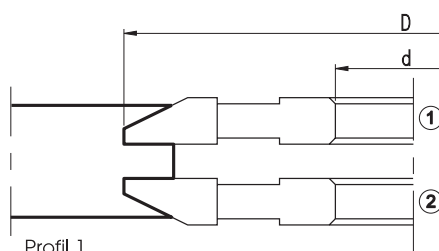

Option A

Option B


**Option A****Option B**

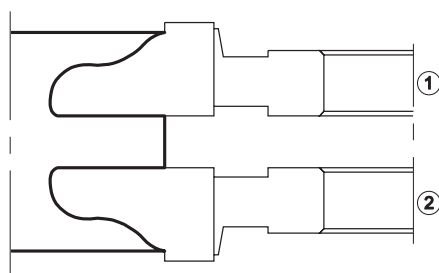
HW-bestückter Konterprofilfräser für Aluminiumprofile
TC-tipped counter-profile cutter for aluminium profiles
MEC**HW**

Nr.	D	B	d	Z	Art. Nr.
Profil 1 - Profile 1					
1	100	7,5	32	8	8974.100.008
2	100	7,5	32	8	8974.100.108
1+2					8974.001.000
Profil 2 - Profile 2					
1	120	15	32	6	8974.120.015
2	120	15	32	6	8974.120.115
1+2					8974.002.000
Profil 3 - Profile 3					
1	120	15	32	6	8974.120.215
2	120	15	32	6	8974.120.315
1+2					8974.003.000

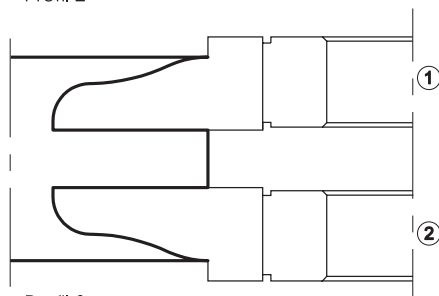
- HW-Profilmesserkopf mit Stahlgrundkörper zum Fräsen von Profilen und Konterprofilen an Aluminiumprofilen
- Erhältlich in drei Profilvarianten
- Ausführungen für mechanischen Vorschub
- *TC profile cutterhead with steel body for cutting profiles and counter-profiles on aluminium profiles*
- *available in three different profiles*
- *for mechanical feed*



Profil 1



Profil 2



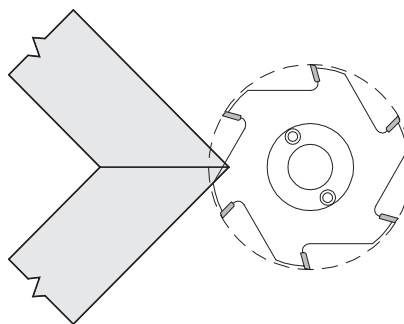
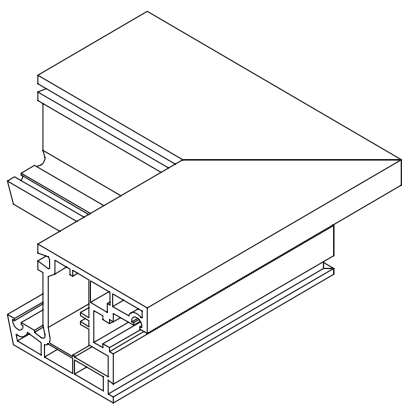
Profil 3


Verputzfräser (auf Anfrage)

Zum Überfräsen der verschweißten Gehrungsprofile
 Profile werden im 45°-Winkel gefertigt und individuell für jeden Auftrag eingerichtet

Finishing cutters (on request)

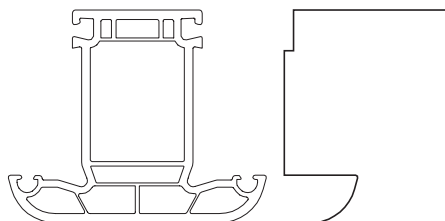
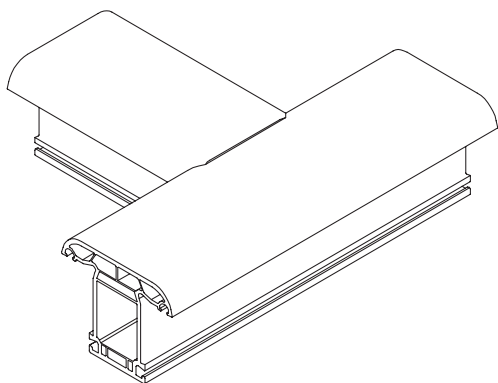
for removing welding excess on PVC windows and frames
 profiles adjusted at 45° and set up customised for each application

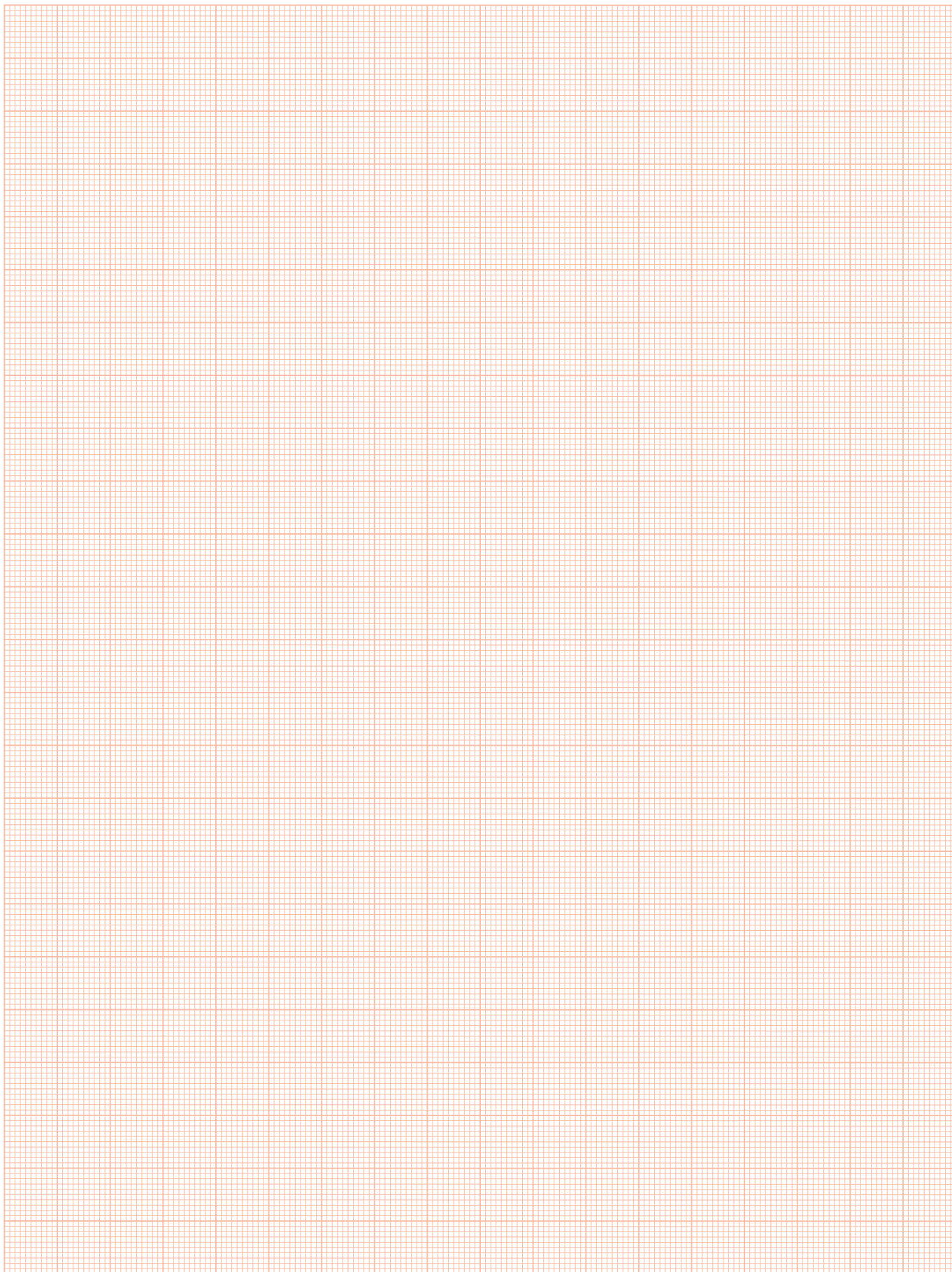

Profil-Konterprofilfräser (auf Anfrage)

Zum Fräsen von PVC-Profilen

Counter-profile cutters (on request)

for cutting PVC profiles





01



02



03



04



05



06



07



08



09



10



11



