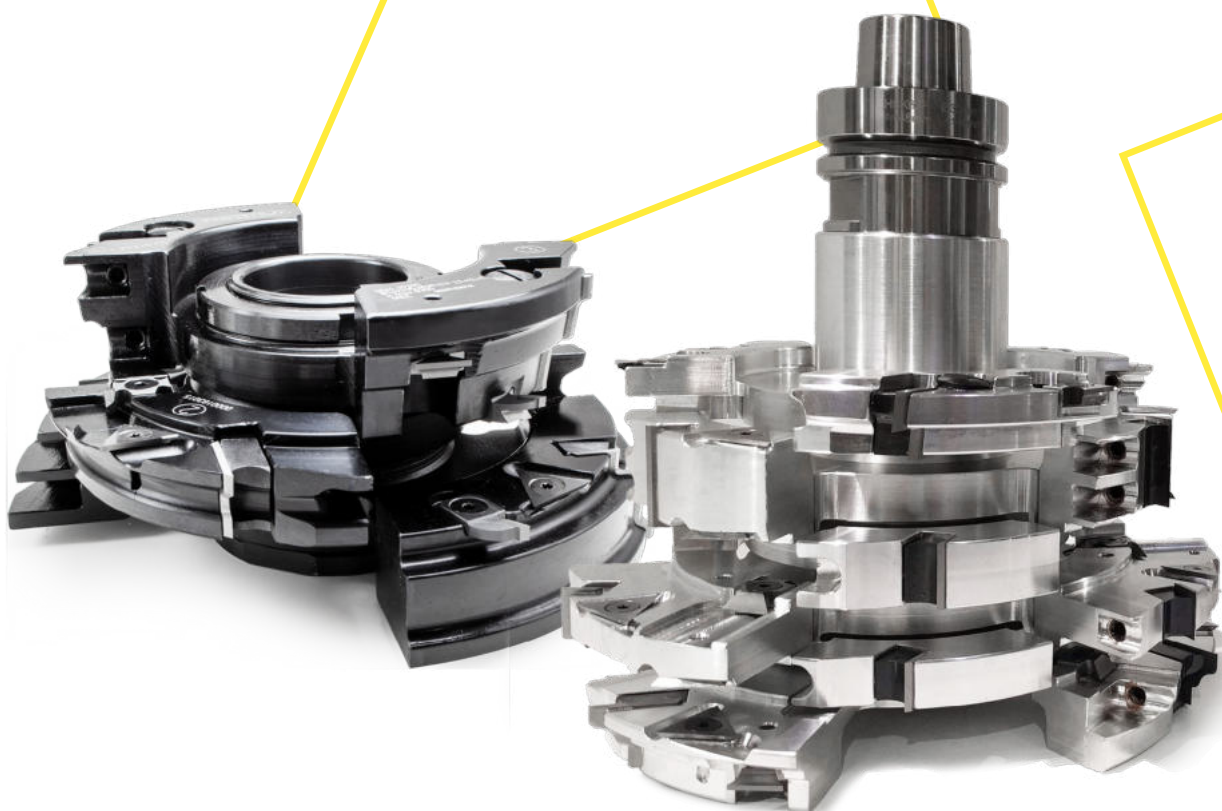


05

Tooling for Doors and Windows Production

Outillage pour Portes et Fenêtres



FREZITE® 

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Application: For furniture door production in solid wood.

Machine: For single spindle moulders, moulders, etc.

Technical information: Set of cutterblocks with steel body, brazed tungsten carbide teeth's (HW). Execution of profile and counter-profile with the same tools, according to assembly schemes. Suitable to work in set with copy ring and ball bearing for copy jobs on round pieces. Body prepared for manual feed equipment (MAN).

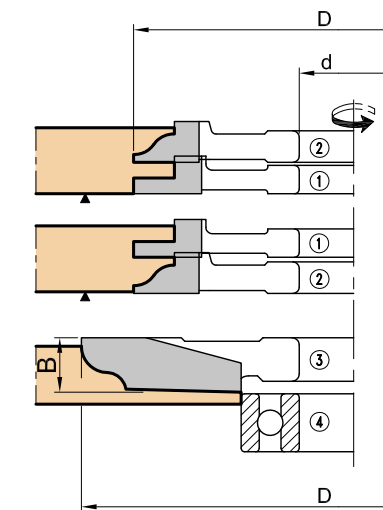
Application: Pour profils et contre-profils de portes de meubles en bois massif.

Machine: Pour moulurières, toupies, etc.

Caractéristiques techniques: Jeu de fraises avec corps en acier et tranchants au carbure rapportés (HW). Profils et contre-profils sont faits avec les mêmes outils suivant les schémas de montage. Travail avec roulement à billes et bagues de guidage pour faire des travaux de copiage sur des pièces rondes. Le corps est conçu pour avance manuel (MAN).

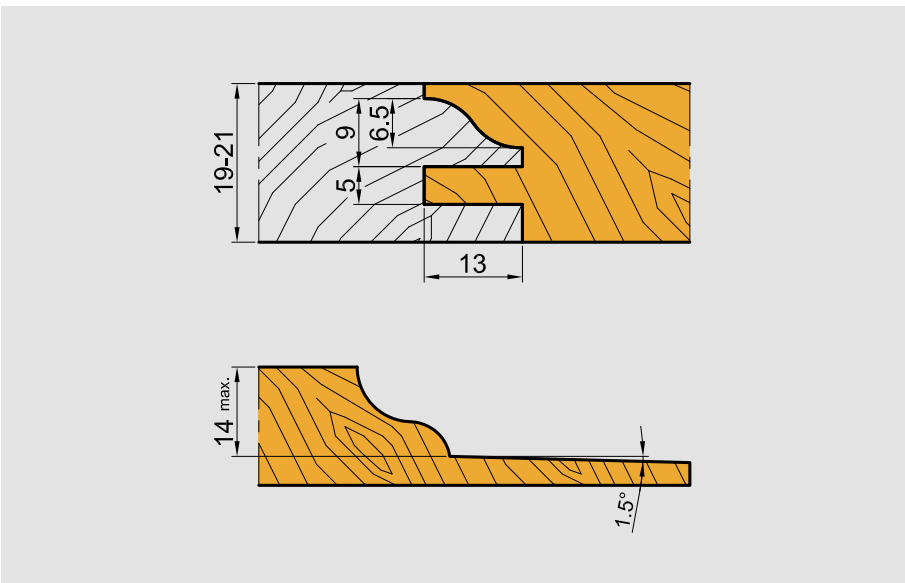


Set Jeu	D	d	Z	n min.-max.	Ref.
1+2	120	30	2	6400-11100	480.361
1+2+3+4	120/150	30	2		480.379



Single tools - Outils individuels

Nr.	D	B	d	Z	n min.-max.	Ref.
1	120	10,5	30	2	6400-11100	125.101
2	120	11,8	30	2	6400-11100	211.107
3	150	14,0	30	2	5200-8900	186.107
4	62	16,0	30			701.107





Application: For furniture door production in solid wood.

Machine: For single spindle moulders, moulders, etc.

Technical information: Steel body, brazed tungsten carbide teeth's (HW). Execution of profile and counter-profile with the same tools, according to assembly schemes. Body prepared for manual feed equipment (MAN).

Application: Pour profils et contre-profils de portes de meubles en bois massif.

Machine: Pour moulurières, toupies, etc.

Caractéristiques techniques: Corps en acier et tranchants au carbure rapportés (HW). Profils et contre-profils sont faits avec les mêmes outils suivant les schémas de montage. Le corps est conçu pour avance manuel (MAN).

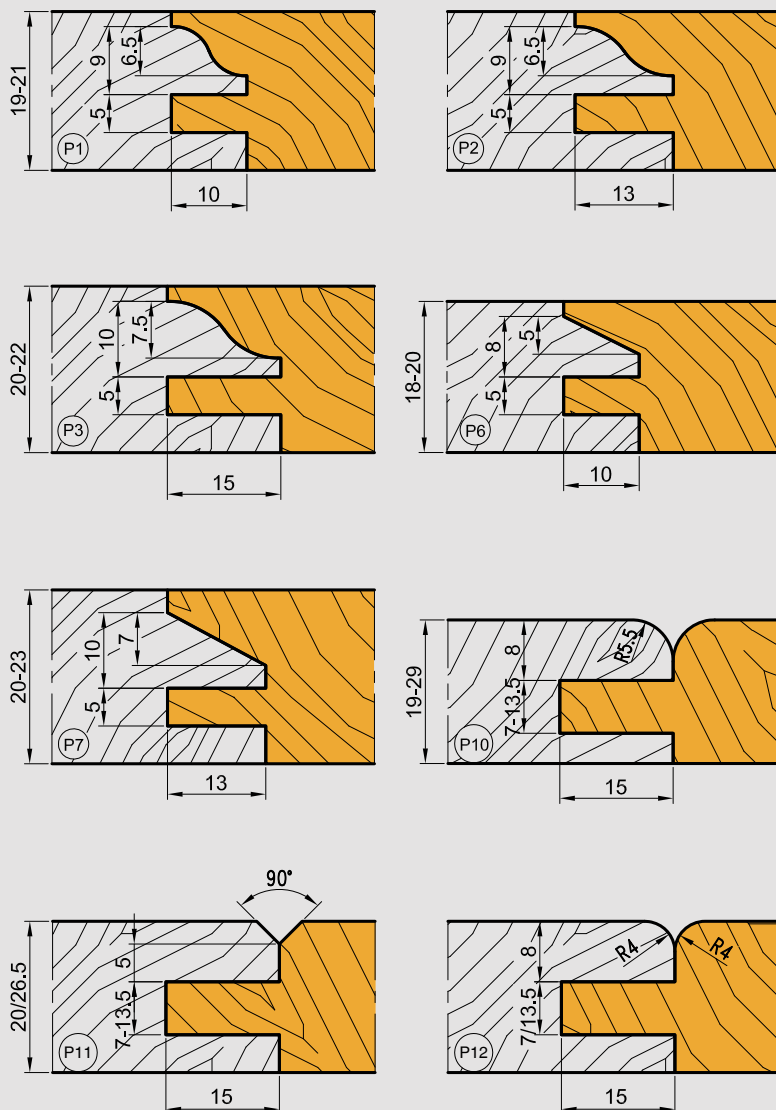
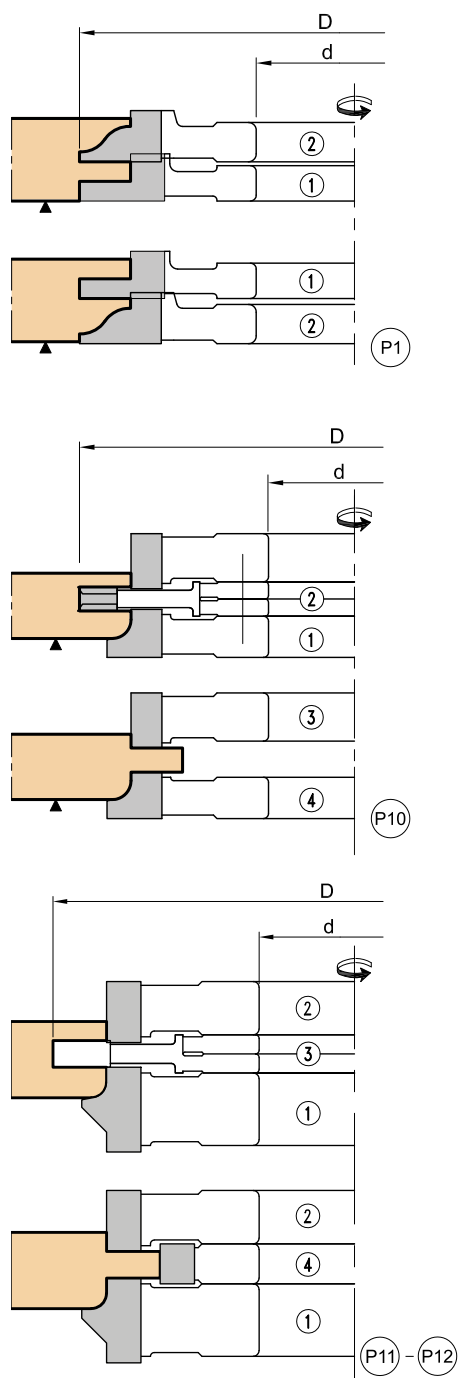


Set Jeu	Nr.	D	d	Z	n min.-max.	Ref.
1+2	P1	140	50	3	5500-9500	250.160
1+2	P2	140	50	3	5500-9500	250.101
1+2	P3	140	50	3	5500-9500	250.301
1+2	P6	140	50	3	5500-9500	250.600
1+2	P7	140	50	3	5500-9500	250.650
1+2+3	P10	160	50	3	4800-8300	250.805
1+2+3+4	P11+ P12	160	50	3	4800-8300	250.806

Single tools - Outils individuels

Nr.	D	B	d	Z		n min.-max.	Ref.
1	140	12,0	50	3	P1, P6	5500-9500	250.155
1	140	12,0	50	3	P2, P7,	5500-9500	250.103
1	140	12,0	50	3	P3	5500-9500	250.303
1	143	10,0	50	3	P10	5300-9100	250.802
1	143	22,5	50	3	P11	5300-9100	250.808
2	140	13,0	50	3	P1	5500-9500	250.153
2	140	13,0	50	3	P2	5500-9500	250.102
2	140	14,0	50	3	P3	5500-9500	250.302
2	140	14,0	50	3	P6	5500-9500	250.601
2	140	15,0	50	3	P7	5500-9500	250.651
2	130	16,0	50	3	P10, P11, P12	6000-10200	250.801
3	160	7-13,5	50	4	P10, P11, P12	4800-8300	030.703
4	100	15,0	50	3	P11, P12	7700-13300	250.807

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Profiles and counter profiles for furniture doors

Profil et contre-profil de portes de meuble

521



Application: For furniture door production in solid wood.

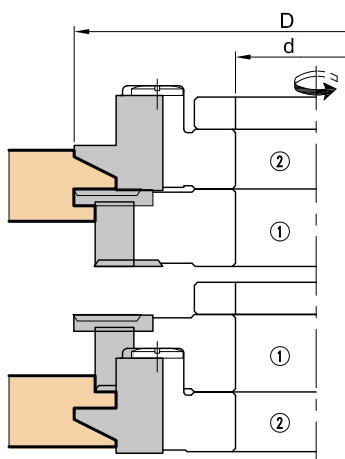
Machine: For moulders, etc.

Technical information: Set of cutterheads with steel body, knives in tungsten carbide (HW). Execution of profile and counter-profile with the same tools, according to assembly schemes. Allows production of different profile models by changing the knives. Tool n.º 2 supplied without knives (on request according to desired profile). Body prepared for manual feed equipment (MAN).

Application: Pour profils et contre-profils de portes de meubles en bois massif.

Machine: Pour moulurières, etc.

Caractéristiques techniques: Jeu de porte-outils avec corps en acier et plaquettes au carbure (HW). Profils, contre-profils ou tenon sont faits avec les mêmes outils suivant les schémas de montage. Outil n.º 2 fournis sans plaquettes (plaquettes profil selon le choix du client). Le corps est conçu pour avance manuel (MAN)



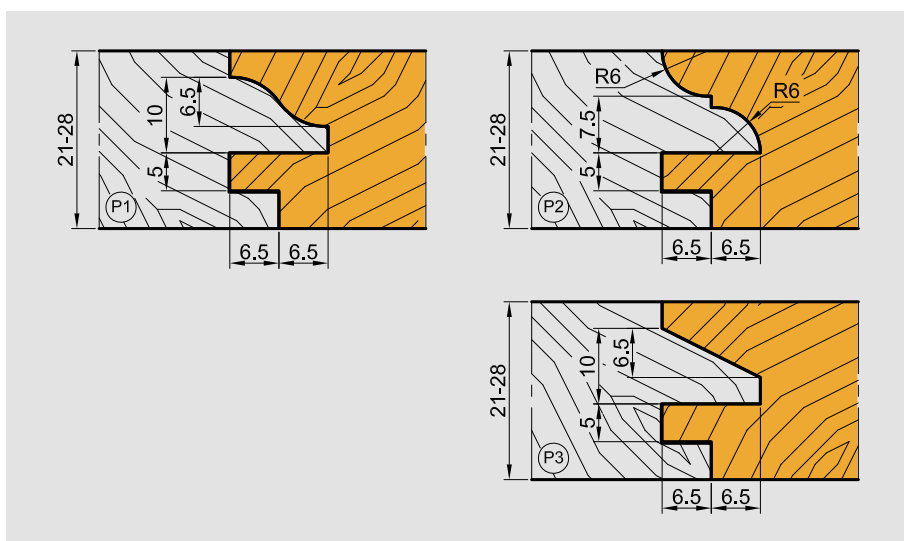
Set Jeu	D	d	Z	n min.-max.	Ref.
P1+P2+P3	150	30/50	2	5200-8900	521.101

Single tools - Outils individuels

Nr.	D	B	d	Z	V	I	n min.-max.	Ref.
1	150,2	24,0	30/50	2	2+2	2	5200-8900	521.103
2	150,0	29,5	30/50	2			5200-8900	521.102

Spare parts - Pièces de rechange

	Nr.	Dim.	Ref.
Knife - Plaquette	P1	29,5x27,5x2	785.404
	P2	29,5x27,5x2	785.405
	P3	29,5x27,5x2	785.406
		20x12x1,5	750.102
Clamping wedge - Cale	1		707.002.18
	2		707.253
Screw - Vis		M8x16	705.542
Spur - Araseurs		22x19x2	760.101
Screw - Vis		M5x6	705.425
Torx Screw - Vis Torx		T15	706.304
Groover - Rainureuse		13x24,5x5	783.102
Torx Screw - Vis Torx		M5x13,5	705.318
T Wrench - Clé en T		SW3	706.103
		SW4	706.104
Spacer - Bague			703.991





Application: For furniture door production in solid wood.

Machine: For single spindle moulders, moulders, etc.

Technical information: Set of cutterheads with steel body, knives in tungsten carbide (HW). Execution of profile and counter-profile with the same tools, according to assembly schemes. Allows production of different profile models by changing the knives. Tool n.º 1 supplied without knives (on request according to desired profile). Body prepared for manual feed equipment (MAN).

Application: Pour profils et contre-profils de portes de meubles en bois.

Machine: Pour moulurières, toupies, etc.

Caractéristiques techniques: Jeu de porte-outils avec corps en acier et plaquettes au carbure (HW). Profils, contre-profils ou tenon sont faits avec les mêmes outils suivant les schémas de montage. Outil n.º 1 fournis sans plaquettes (plaquettes profil selon le choix du client). Le corps est conçu pour avance manuel (MAN).

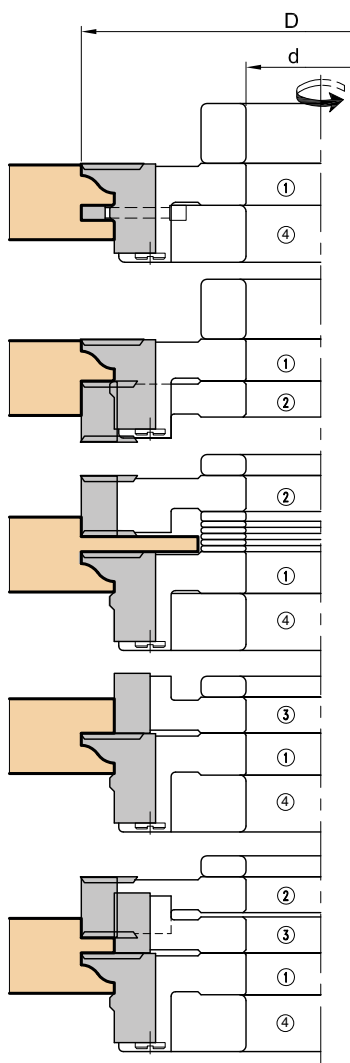


Set Jeu	D	d	Z	n min.-max.	Ref.
1+2+3	160	30/50	3	4800-8300	520.200

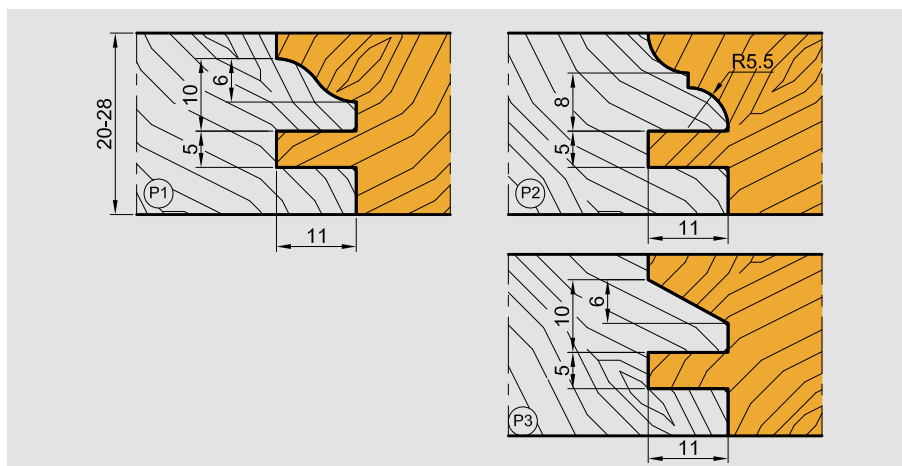
Single tools - Outils individuels

Nr.	D	B	d	Z	V	I	n min.-max.	Ref.
1	160	30	30/50	3	3	3	4800-8300	520.201 □
2		20	30/50	3	3		4800-8300	520.102
3	138	20	30/50	3			5600-9600	520.103
4	135	19	30/50					709.801

□ Cutterhead supplied without knives - Porte-outils livré sans plaquettes



Spare parts - Pièces de rechange	Nr.	Dim.	Ref.
Knife - Plaquette	1	30x25x2	785.302
	2	30x25x2	785.301
	3	30x25x2	785.303
Clamping wedge - Cale	1/2	20x12x1,5	750.102
	1		707.807
Screw - Vis	2/3		707.002.18
	1	M8x12	705.541
Spur - Araseurs	2/3	M8x16	705.542
	1	22x19x2	760.101
Screw - Vis	2	14x14x2	750.111
		M5x6	705.425
Torx Screw - Vis Torx		T15	706.304
Groover - Rainureuse		35x17x5	783.121
Screw - Vis		M5x13,5	705.318
T Wrench - Clé en T		SW3	706.103
		SW4	706.104



Cutterhead for furniture finger grip

Porte-outils pour poignées de portes

604



Application: For production of drawer and furniture finger grip groove in uncoated MDF.

Machine: For single spindle moulders, etc.

Technical information: Steel body, profiled knives in tungsten carbide (HW). Supplied without knives being able to mount different profiled knives. Body prepared for manual feed equipment (MAN).

Application: Pour boutons de tiroirs et poignées de portes sur MDF sans revêtements.

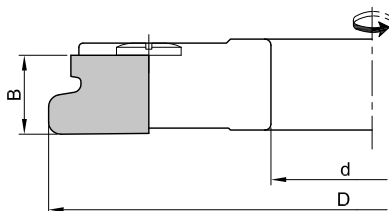
Machine: Pour touppies, etc.

Caractéristiques techniques: Corps en acier et plaquettes profilées en carbure (HW). Outil profilé pouvant produire différents modèles de profils. Outil fourni sans plaquettes. Le corps est conçu pour avance manuel (MAN).

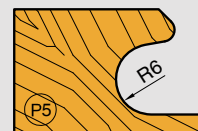
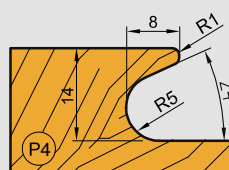
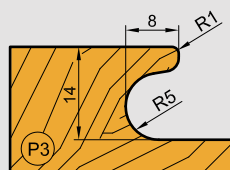
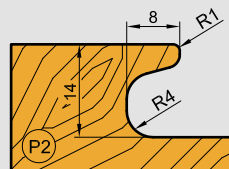
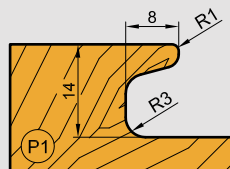


D	B	d	Z		n min.-max.	Ref.
160	20	50	3	P1, P2, P3, P4	5500-9500	604.101 □
160	20	50	3	P5	5500-9500	604.102 □

□ Cutterhead supplied without knives - Porte-outils livré sans plaquettes



Spare parts - Pièces de rechange	Nr.	Dim.	Ref.
Knife - Plaquette	P1	25x20x2	785.620.04
	P2	25x20x2	785.620.05
	P3	25x20x2	785.620.06
	P4	25x20x2	785.620.07
	P5	25x20x2	785.620.20
Clamping wedge - Cale	P1, P2, P3, P4	B= 20	707.604.01
	P5	B= 20	707.604.02
Screw - Vis		M8x20	705.544
T Wrench - Clé en T		SW4	706.104



P4 - Suitable for lacquered doors
P4 - Appropriés pour portes laquées

P5 - Same profile as cutter A152.038.121.12
P5 - Même profil que A152.038.121.12



Application: For door frames production in solid wood, uncoated wood base materials such as chipboard, plywood, MDF, etc. Allows production of door frames with and without soundproofing seal.

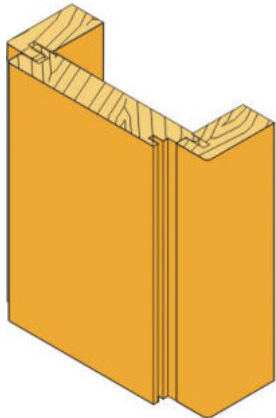
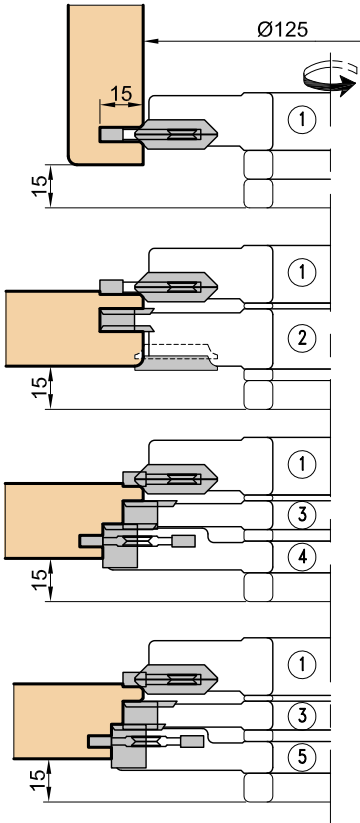
Machine: For single spindle moulders, moulders, etc.

Technical information: Set of cutterheads with steel body, knives in tungsten carbide (HW). Body prepared for manual feed equipment (MAN).

Application: Pour la production de cadres de portes en bois massif, dérivés du bois sans revêtements: agglomérés, contreplaqués, MDF, etc. Possibilité de production de cadres de portes sans ou avec joint pour isolation phonique.

Machine: Pour moulurières, toupies, etc.

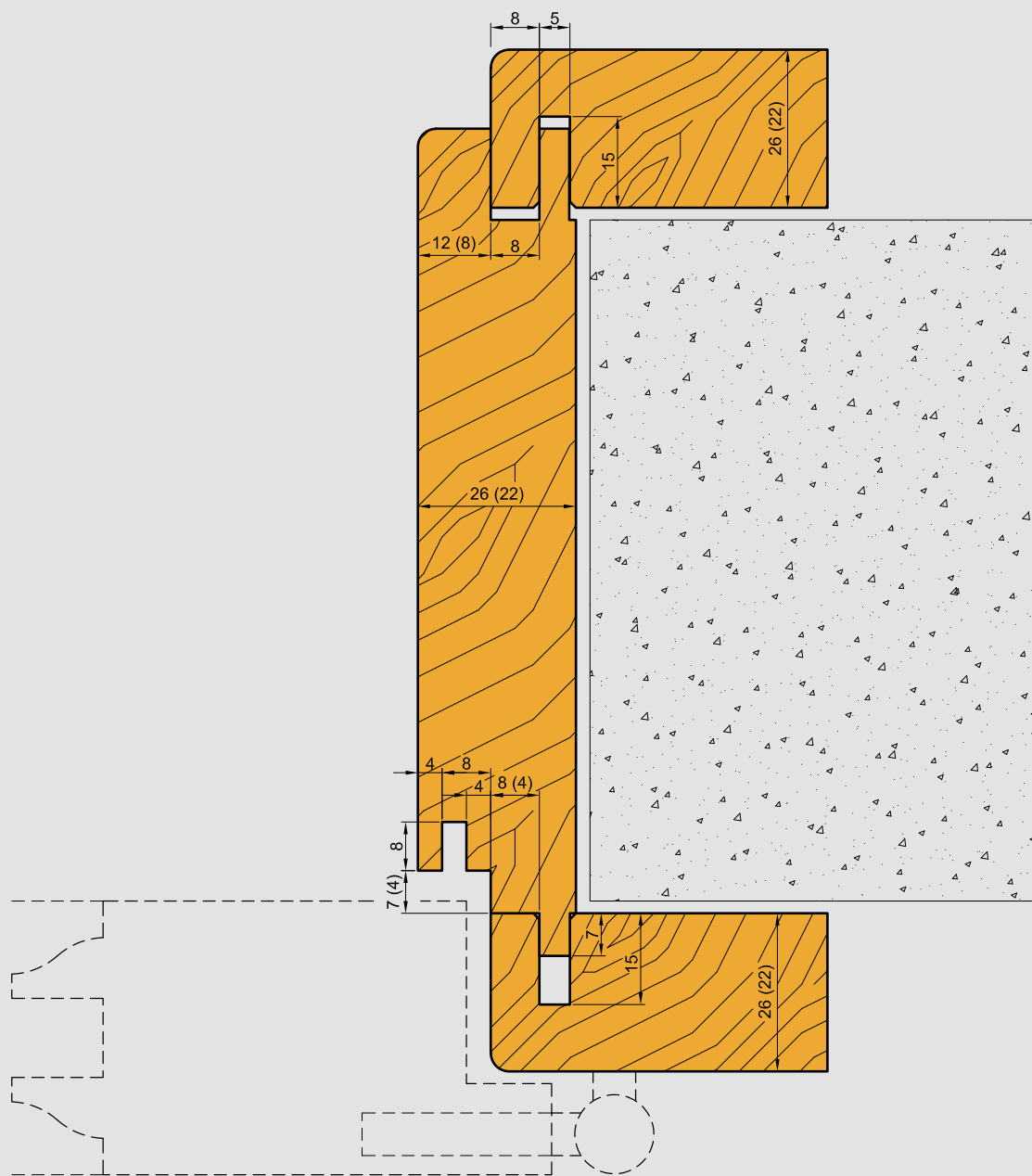
Caractéristiques techniques: Jeu de porte-outils avec corps en acier et plaquettes réversibles au carbure (HW). Le corps est conçu pour avance manuel (MAN).



Nr.	D	B	d	Z	V	I	n min.-max.	Ref.
1	125	4	40/50	2		2	6100-10500	582.111
2	155	8	40/50	2	4		4300-8400	582.112
3	139	9,8	40/50	2	2		5600-9600	582.113
4	153	15	40/50	2	2	2	5000-8600	582.114
5	147	15	40/50	2	2	2	5200-8900	582.115

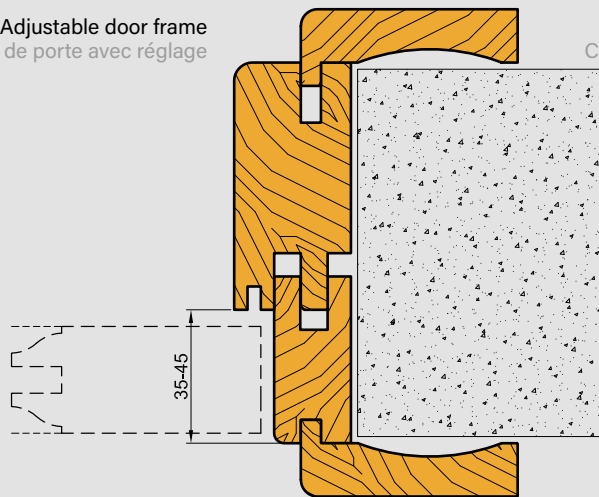
Spare parts - Pièces de rechange	Nr.	Dim.	Ref.
Knife - Plaquette	2	7,5x12x1,5	750.097
	3	9,6x12x1,5	750.098
	4/5	15x12x1,5	750.101
Clamping wedge - Cale	2	B= 8	707.002.07
	3	B= 9,8	707.002.08
	4/5	B= 15	707.133.15
Screw - Vis	2	M5x12	705.523
	3	M6x16	705.535
	4/5	M8x12	705.541
Spur - Araseurs		14x14x2	750.111
Screw - Vis		M5x6	705.425
Groover - Rainureuse	4	17x35x4	783.120
		20x34x5	783.123
		20x26x5	783.124
Rounding blade - Arrondisseur		R3	780.251
Chamfering blade - Chanfreineuse		45°	780.260
Screw - Vis		M5x13,5	705.318
T Wrench - Clé en T		SW2,5	706.102
		SW3	706.103
		SW4	706.104

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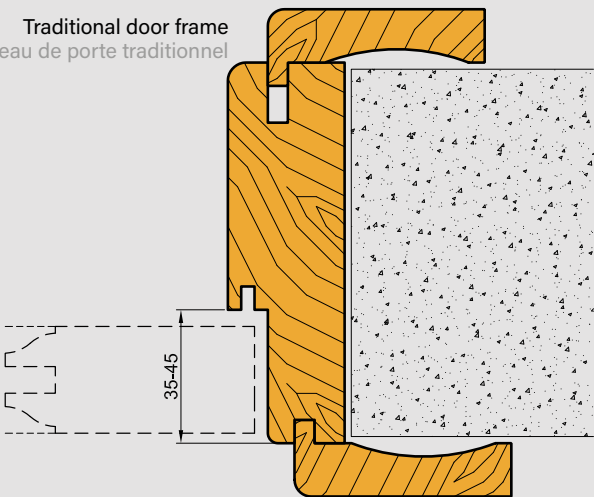


Door frames example
Exemple de cadres de portes

Adjustable door frame
Cerceau de porte avec réglage



Traditional door frame
Cerceau de porte traditionnel





Application: For rebating door frames in solid wood, uncoated wood base materials such as chipboard, plywood, MDF, etc. Allows production of door frames with and without soundproofing seal.

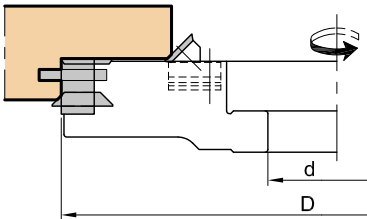
Machine: For moulders, etc.

Technical information: Steel body, knives in tungsten carbide (HW). Adjustable rebate from 15 to 40 mm with chamfered corner at 1,5x45° (tool n° 1), and fix rebate of 42 mm with rounded corner R1,5 and R3 mm (tool n° 2).

Application: Pour feuillure sur cadres de portes pour bois massif, dérivés du bois sans revêtements: agglomérés, contreplaqués, MDF, etc. Possibilité de production de cadres de portes sans ou avec joint pour isolation phonique.

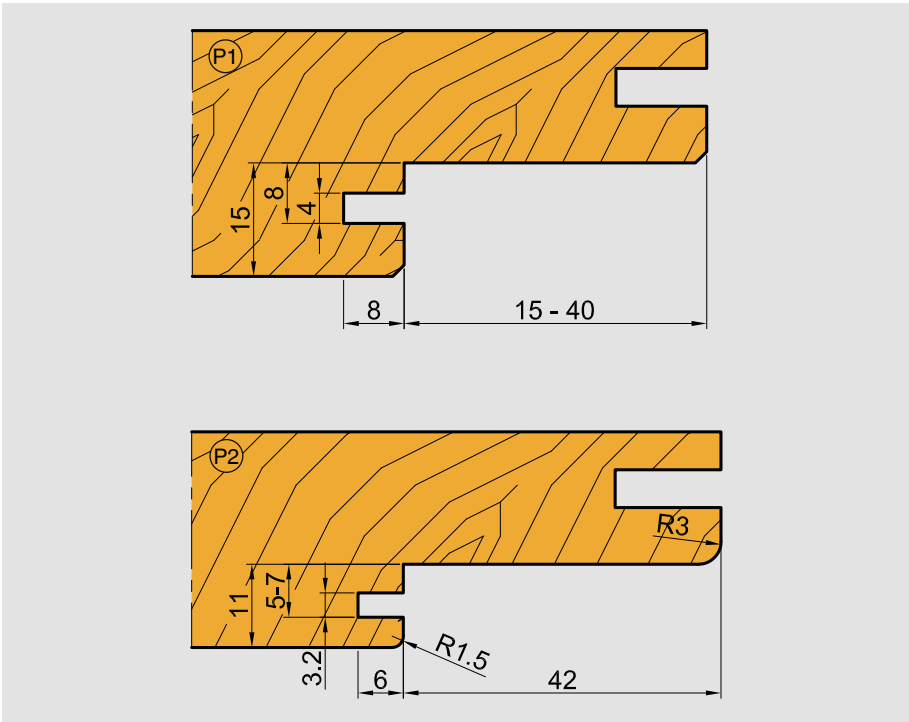
Machine: Pour moulurières, etc.

Caractéristiques techniques: Corps en acier et plaquettes au carbure (HW). Feuillure réglable de 15 mm à 40 mm avec arête chanfrein de 1,5x45° (porte-outil N° 1) et feuillure fixe, de 42 mm avec arête arrondi R1,5 et R3 mm (porte-outil N° 2).



Nr.	D	B	d	Z	V	I	C	n max.	Ref.
1	200	20	30/50	4	2	2	2+2	6600	595.101
2	200	20	30/50	4	2	2	2+2	6600	595.102

Spare parts - Pièces de rechange	Nr	Dim.	Ref.
Knife - Plaquette	1/2	20x12x1,5	750.102
Clamping wedge - Cale	1/2	B= 20	707.002.18
Screw - Vis	1/2	M8x16	705.542
Spur - Araseurs	1/2	14x14x2	750.111
Torx screw - Vis Torx	1/2	M5x6	705.425
Torx wrench - Clé Torx	1,2	T15	706.304
Chanfering blade - Chanfreineuse	1	22x16x5	780.103
Groover - Rainureuse	1	24,5x13x4	783.101
	2	24,5x13x3,2	783.105
Rounding blade - Arrondisseur	2	16x22 R1,5	780.205
	2	16x22 R3,0	780.206
Screw - Vis	1/2	M5x13,5	705.318
T Wrench - Clé en T	1	SW3	706.103
	1	SW4	706.104





Application: For interior doors production in solid wood.

Machine: For moulders, tenoners, etc.

Technical information: Steel body, brazed tungsten carbide teeth's (HW).

Application: Pour profils et contre-profils de portes en bois massif.

Machine: Pour moulurières, tenonneuses, etc.

Caractéristiques techniques: Corps en acier et tranchants au carbure rapportés (HW).



Nr.	Set Jeu	D	d	Z	n max.	Ref.
P4	6+2+7	150	50	4	8900	278.040
	4+5	320	50	3	3800	278.041
P6	1+2+3	150	50	4	8900	278.060
	4+5	320	50	3	3800	278.061
P9	1+2+3	150	50	4	8900	278.076
	4+5	320	50	3	3800	278.077
P12	1+2+3	150	50	4	8900	278.550
	4+5	320	50	3	3800	278.551

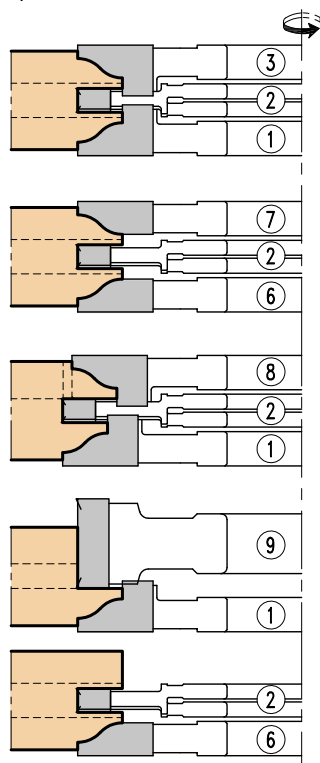
Single tools - Outils individuels

Nr.	D	B	d	Z	V		n max.	Ref.	
1	150	17	50	4		P6	8900	278.062	■
	150	17	50	4		P9	8900	278.143	■
	160	20	50	4		P12	8900	278.552	■
2	150	7-13,5	50	4	4	P4, P6, P9, P12	8900	030.503	
3	150	17	50	4		P6	8900	278.063	■
	150	17	50	4		P9	8900	278.142	■
	160	20	50	4		P12	8900	278.553	■
4	320	15	50	3	3	P4	3800	278.044	■
	320	15	50	3	3	P6	3800	278.064	■
	320	15	50	3	3	P9	3800	278.144	■
	320	17	50	3	3	P12	3800	278.554	■
5	320	15	50	3	3	P4	3800	278.045	■
	320	15	50	3	3	P6	3800	278.065	■
	320	15	50	3	3	P9	3800	278.145	■
	320	17	50	3	3	P12	3800	278.555	■
6	150	17	50	4		P4	8900	278.042	■
7	150	17	50	4		P4	8900	278.043	■
8	144	17	50	4		P4	9500	278.744	■
	144	17	50	4		P6	9500	278.746	■
	144	17	50	4		P9	9500	278.743	■
	154	17	50	4		P12	8700	278.749	■
9	150	30	50	4	2+2		8900	015.502	■
10	290	30	50	3	3+3		4200	055.403	■
11	320	30	50	3	3		3800	054.853	■

■ Under request - Sur demande

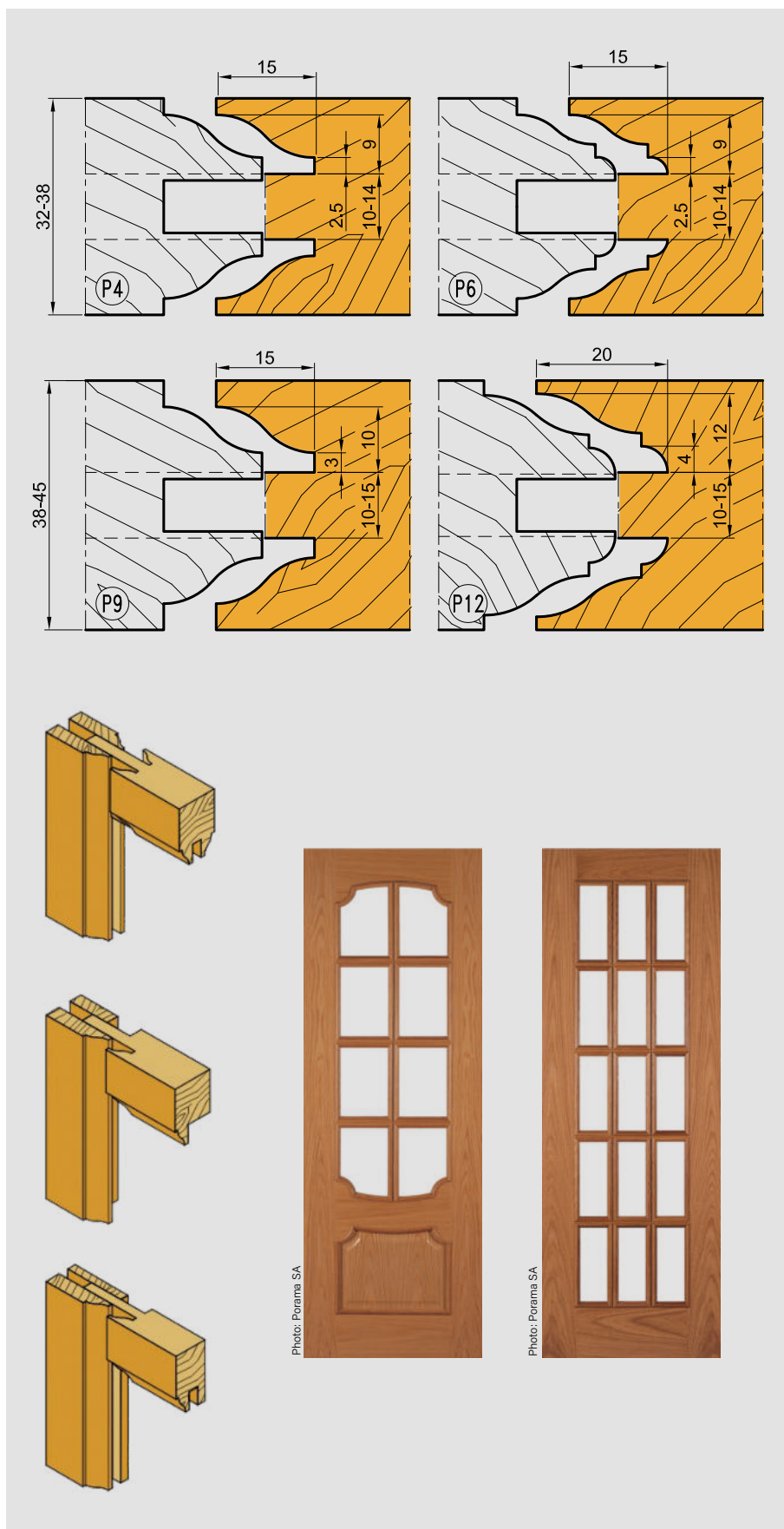
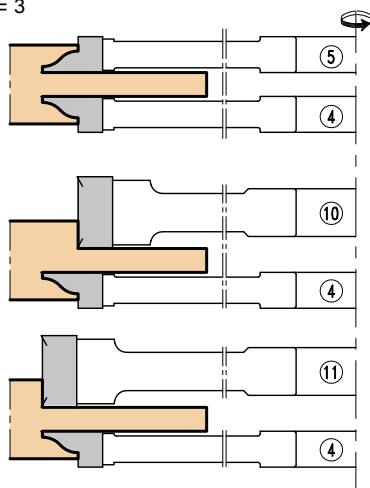
Profile tools HW
Outils pour profil HW

D= 140 - 160 mm
 Z= 2- 3 - 4



Counter profile tools HW
Outils pour contre-profil HW

D= 280 - 320 mm
 Z= 3





Application: For interior doors production in solid wood.

Machine: For single spindle moulders, moulders, tenoners, etc.

Technical information: Steel body, knives in tungsten carbide (HW). Tools n.º 1, 3, 4 and 5 supplied without knives (on request according to desired profile). Body prepared for manual feed equipment (MAN).

Application: Pour profils et contre-profils de portes en bois massif.

Machine: Pour moulurières, toupies, tenonneuses, etc.

Caractéristiques techniques: Corps en acier et plaquettes au carbure (HW). Outil N° 1, 3, 4 et 5 fournis sans plaquettes (plaquettes profil selon le choix du client). Le corps est conçu pour avance manuel (MAN).

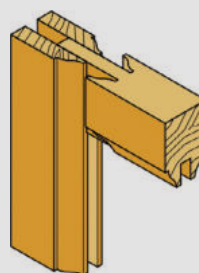
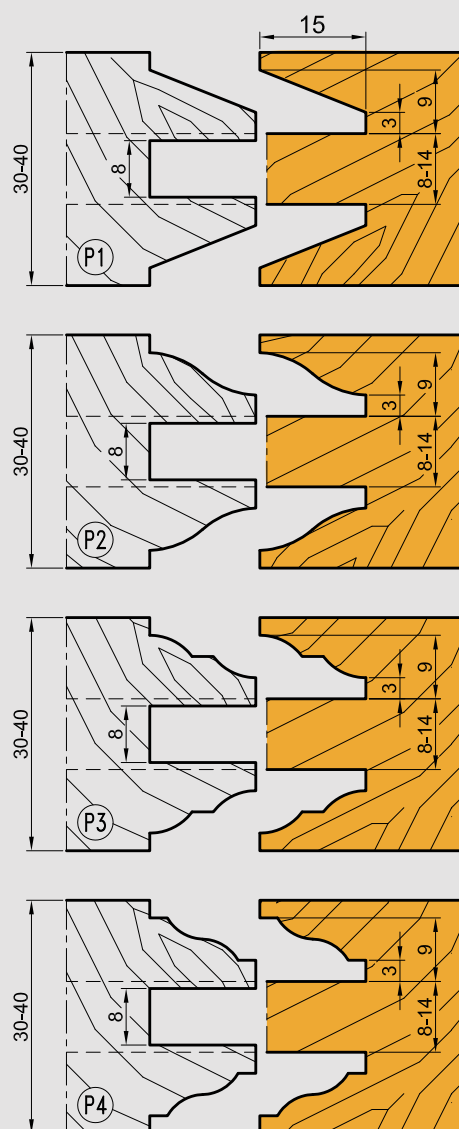
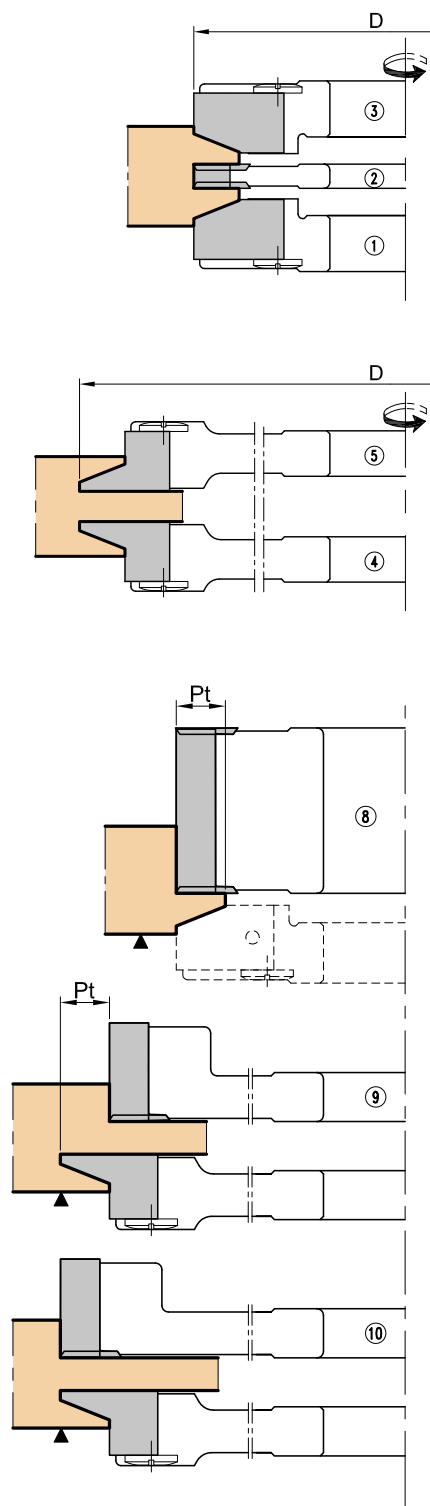


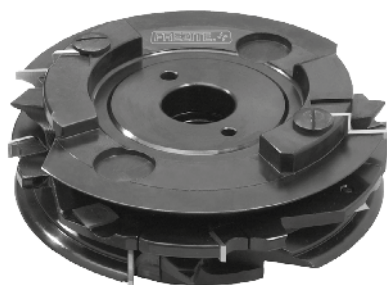
Nr.	D	B	d	Z	V	Pt	n min.-max.	Ref.	
1	140	20	50	3			5500-9500	570.301	□
2	140	8	50	4	4		5500-9500	518.101	
3	140	20	50	3			5500-9500	570.302	□
4	302	20	50	3			2600-4400	570.303	□
5	302	20	50	3			2600-4400	570.304	□
8	140	50	50	4	4	15	5500-9500	536.401	
9	272	30	50	3	3	15	2800-4800	550.253	
10	302	30	50	3	3		2600-4400	550.453	

□ Cutterhead supplied without knives - Porte-outils livré sans plaquettes

Spare parts - Pièces de rechange	Nr.	Dim.	Ref.
Knife - Plaquette	1	20x30x2-P1	785.601
	3	20x30x2-P1	785.602
	4	20x30x2-P1	785.603
	5	20x30x2-P1	785.604
	1	20x30x2-P2	785.605
	3	20x30x2-P2	785.606
	4	20x30x2-P2	785.607
	5	20x30x2-P2	785.608
	1	20x30x2-P3	785.609
	3	20x30x2-P3	785.610
	4	20x30x2-P3	785.611
	5	20x30x2-P3	785.612
	1	20x30x2-P4	785.613
	3	20x30x2-P4	785.614
	4	20x30x2-P4	785.615
	5	20x30x2-P4	785.616
	2	7,5x12x1,5	750.097
	9/10	30x12x1,5	750.104
	8	50x12x1,5	750.106
Clamping wedge - Cale	1	B= 20	707.080
	2	B= 8	707.002.07
	3	B= 20	707.081
	4	B= 20	707.082
	5	B= 20	707.083
	9/10	B= 30	707.130.30
	8	B= 50	707.130.50
Screw - Vis		M5x16	705.582
		M8x16	705.542
Spur - Araseurs		14x14x2	750.111
Torx screw - Vis Torx		M5x6	705.425
Torx wrench - Clé Torx		T15	706.304
T Wrench - Clé en T		SW2,5	706.102
		SW3	706.103
		SW4	706.104

Continued next page - Suite page suivante





Application: For interior doors production in solid wood.

Machine: For single spindle moulders, moulders, etc.

Technical information: Steel body, knives in tungsten carbide (HW). Execution of profile and counter-profile with the same tools, according to assembly diagrams. Tools n° 1 and 3 supplied without knives (on request according to desired profile). Body prepared for manual feed equipment (MAN).

Application: Pour profils et contre-profils de porte d'intérieures en bois massif.

Machine: Pour moulurières, toupies, etc.

Caractéristiques techniques: Corps en acier et plaquettes au carbure (HW). Profils et contre-profils sont faits avec les mêmes outils suivant les schémas de montage. Outil n° 1 et n° 3 fournis sans plaquettes (plaquettes profil selon le souhait du client). Le corps est conçu pour avance manuel (MAN).



Set Jeu	D	d	Z	n min.-max.	Ref.
P1+P2+P3	160	30/50	2+4+2	4800-8300	571.101

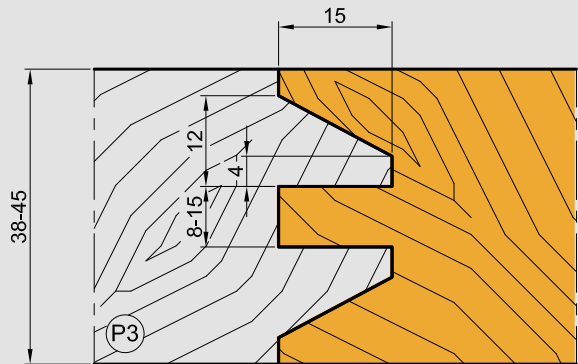
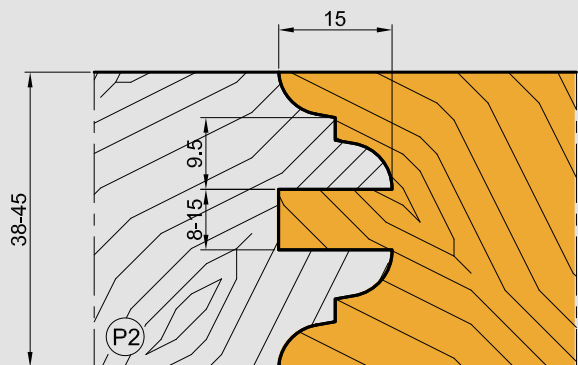
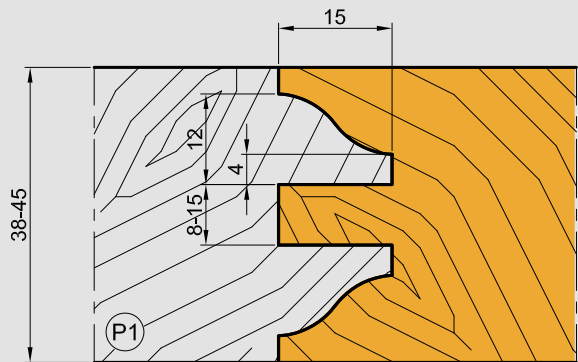
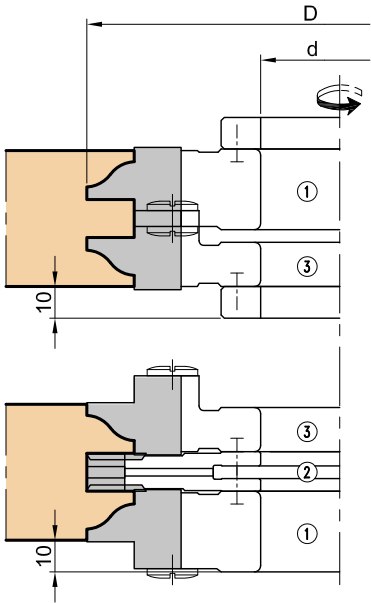
Single tools - Outils individuels

Nr.	D	B	d	Z	V	n max.	Ref.
1	160	25	30/50	2		4800-8300	571.103 □
2	160	8-15	30/50	4	4	4800-8300	538.801
3	160	25	30/50	2		4800-8300	571.102 □

□ Cutterhead supplied without knives - Porte-outils livré sans plaquettes

Spare parts - Pièces de rechange	Nr.	Dim.	Ref.
Knife - Plaquette	1	30x25x2-P1	785.502
	3	30x25x2-P1	785.501
	1	30x25x2-P2	785.504
	3	30x25x2-P2	785.503
	1	30x25x2-P3	785.506
	3	30x25x2-P3	785.505
	2	7,5x12x1,5	750.097
Clamping wedge - Cale	1	B= 25	707.531
	2	B= 8-15	707.002.06
	3	B= 25	707.530
Screw - Vis	2	M5x12	705.523
	1/3	M6x16	705.535
Spur - Araseurs		14x14x2	750.111
Torx screw - Vis Torx		M5x6	705.425
Torx wrench - Clé Torx		T15	706.304
T Wrench - Clé en T		SW2,5	706.102
		SW3	706.103

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Application: For production of glazing beads profile for interior doors, in solid wood.

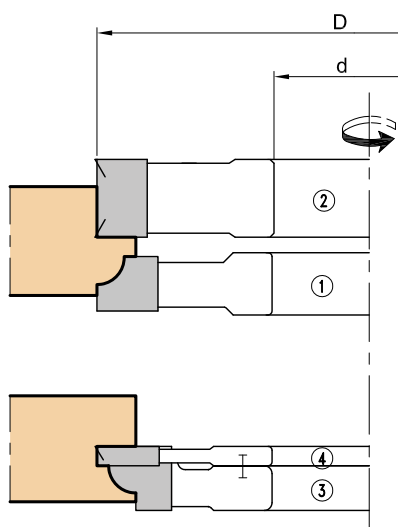
Machine: For single spindle moulders, moulders, etc.

Technical information: Steel body, brazed tungsten carbide teeth's (HW). Supplied with adjustment spacers. Body prepared for manual feed equipment (MAN).

Application: Pour la production de profilés de parcloles pour portes intérieures, en bois massif.

Machine: Pour moulurières, toupies, etc.

Caractéristiques techniques: Corps en acier et tranchants au carbure rapportés (HW). Jeu fournis avec bagues intercalaires de réglage. Le corps est conçu pour avance manuel (MAN).



	Set Jeu	D	d	Z	n min.-max.	Ref.	
P1	1+2	140	50	4	5500-9500	264.101	■
	3+4	140	50	4	5500-9500	264.102	■
P2	1+2	140	50	4	5500-9500	264.201	■
	3+4	140	50	4	5500-9500	264.202	■
P3	1+2	140	50	4	5500-9500	265.101	■
	3+4	140	50	4	5500-9500	265.102	■

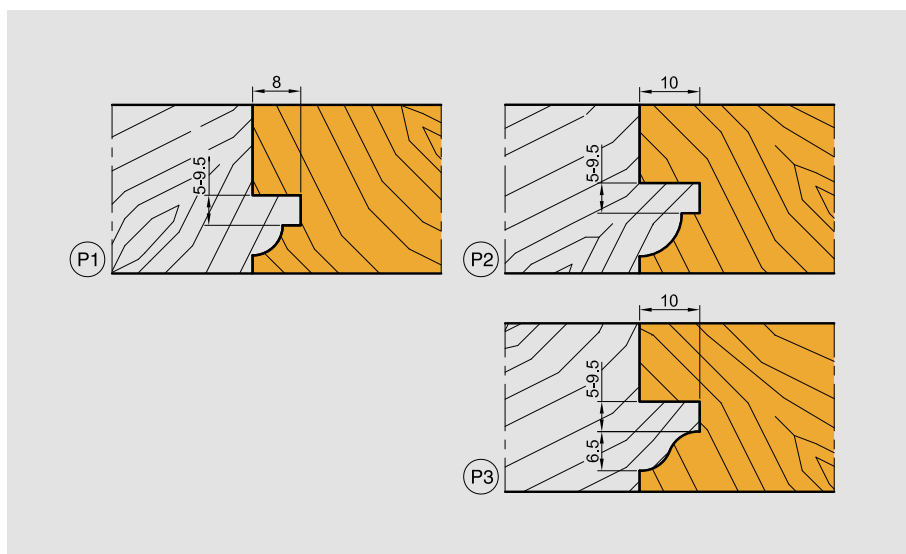
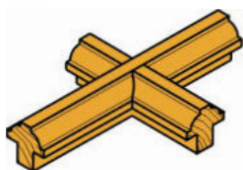
■ Under request - Sur demande

Single tools - Outils individuels

Nr.	D	B	d	Z	V	n max.	Ref.
1	140	12	50	4	P1	5500-9500	370.101
1	140	14	50	4	P2	5500-9500	370.102
1	140	12,5	50	4	P3	5500-9500	265.103
2	140	20	50	4	4 P1, P2, P3	5500-9500	016.309
3	140	15	50	4	P1	5500-9500	264.103
3	140	16,5	50	4	P2	5500-9500	264.104
3	140	15,5	50	4	P3	5500-9500	265.105
4	140	5	50	2	2 P1, P2, P3	5500-9500	265.107



Photo: Perama, SA





Application: Panel raising cutterblock for solid wood and uncoated wood base materials such MDF, etc.

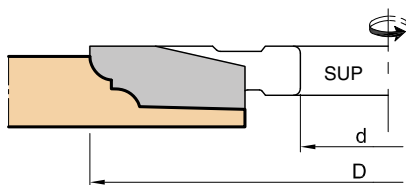
Machine: For single spindle moulders, etc.

Technical information: Steel body, brazed tungsten carbide teeth's (HW). To work in right hand rotation (RH) and superior working position. Suitable to work in set with copy ring and ball bearing for copy jobs on round pieces. Body prepared for manual feed equipment (MAN).

Application: Fraise à plate-bande en bois massif, panneaux MDF sans revêtements, etc.

Machine: Pour toupies, etc.

Caractéristiques techniques: Corps en acier et tranchants au carbure rapportés (HW). Outils pour travail supérieure et rotation à droite (RH). Possibilité de travail avec roulement à billes et bagues de guidage pour faire des travaux de copiage sur des pièces rondes. Le corps est conçu pour avance manuel (MAN).



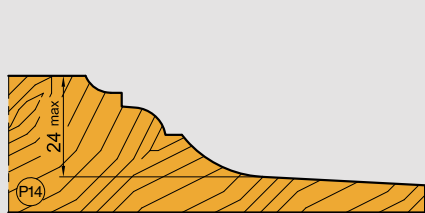
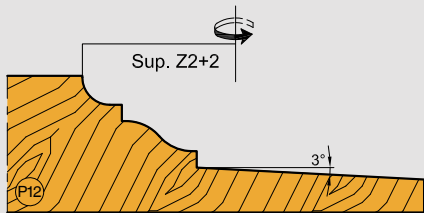
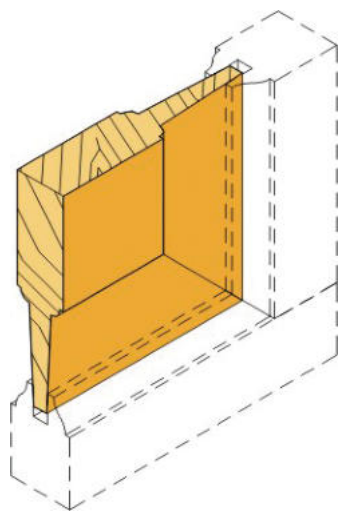
Inferior position on request (INF).
Position inférieur sur demande (INF).

Panel raising cutterblock with Z3 - Fraise plate-bande Z3

Nr.	D	B	d	Z	n min.-max.	Ref. SUP
P3	170	16,5	50	3	4500-7800	180.103
P4	170	18,0	50	3	4500-7800	180.104
P6	190	18,0	50	3	4300-7400	180.106
P10	200	16,0	50	3	3900-6600	180.112

Panel raising cutterblock with Z2+2 - Fraise plate-bande Z2+2

Nr.	D	B	d	Z	n min.-max.	Ref. SUP
P12	210	25,0	50	2+2	3700-6300	180.302
P14	210	28,0	50	2+2	3700-6300	180.304





Application: Panel raising cutterblock for solid wood and uncoated wood base materials such MDF, etc.

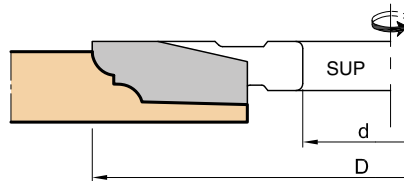
Machine: For single spindle moulders, etc.

Technical information: Steel body, brazed tungsten carbide teeth's (HW). To work in right hand rotation (RH) and superior working position. Suitable to work in set with copy ring and ball bearing for copy jobs on round pieces. Body prepared for manual feed equipment (MAN).

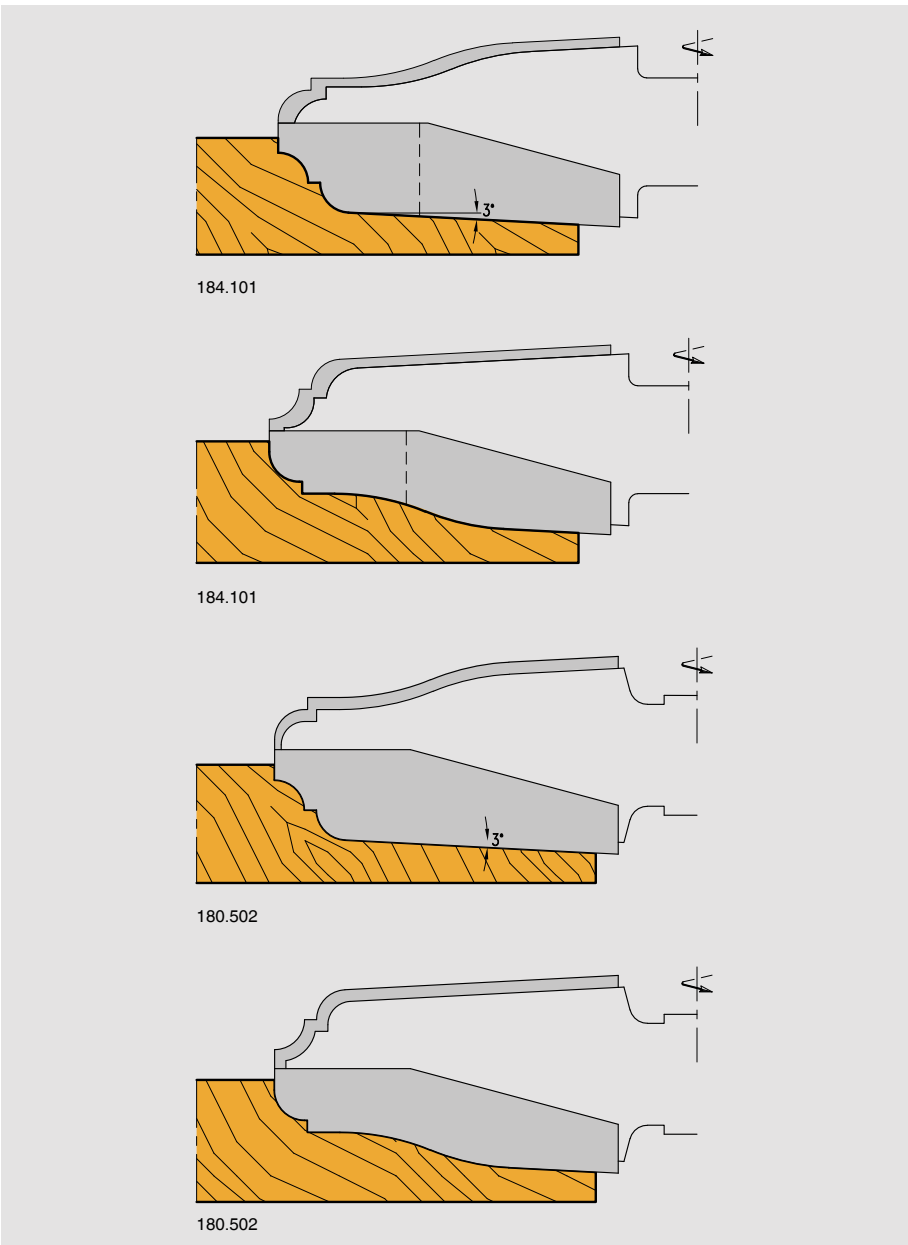
Application: Fraise à plate-bande en bois massif, panneaux MDF sans revêtements, etc.

Machine: Pour toupies, etc.

Caractéristiques techniques: Corps en acier et tranchants au carbure rapportés (HW). Outils pour travail supérieure et rotation à droite (RH). Possibilité de travail avec roulement à billes et bagues de guidage pour faire des travaux de copiage sur des pièces rondes. Le corps est conçu pour avance manuel (MAN).



D	B	d	Z	n min.-max.	Ref.
180	33	30	2+2	4300-7400	184.101
210	33	50	4+4	3700-6300	180.502





Application: Panel raising cutterhead for solid wood and uncoated wood base materials such MDF, etc. Allows production of three models of panel by replacing knives.

Machine: For single spindle moulders, etc.

Technical information: Steel body, knives in tungsten carbide (HW). Tool supplied without profiled knives (on request according to desired profile). Suitable to work in set with copy ring and ball bearing for copy jobs on round pieces. Body prepared for manual feed equipment (MAN).

Application: Porte-outil à plate-bande en bois massif, panneaux MDF sans revêtements, etc. Possibilité de production de trois profils différents en utilisant des plaquettes profil interchangeables.

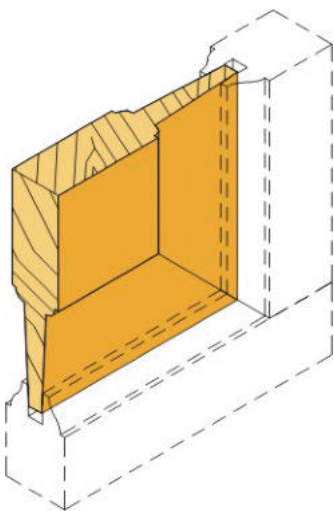
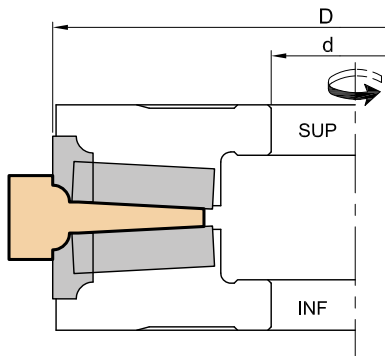
Machine: Pour toupies, etc.

Caractéristiques techniques: Corps en acier et plaquettes au carbure (HW). Outil fournis sans plaquettes profil (plaquettes profil selon le choix du client). Possibilité de travail avec roulement à billes et bagues de guidage pour faire des travaux de copiage sur des pièces rondes. Le corps est conçu pour avance manuel (MAN).

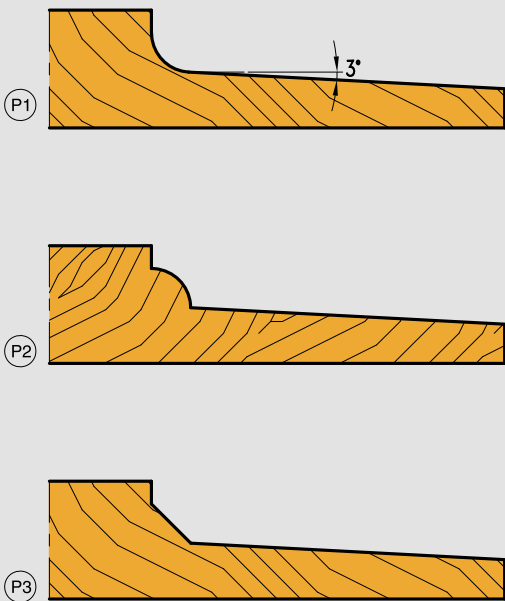


D	B	d	Z	n min.-max.	Ref. SUP	Ref. INF
180	30	30/50	2+2	4300-7400	529.110 □	529.111 □

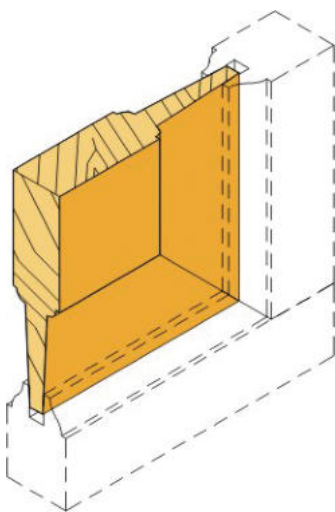
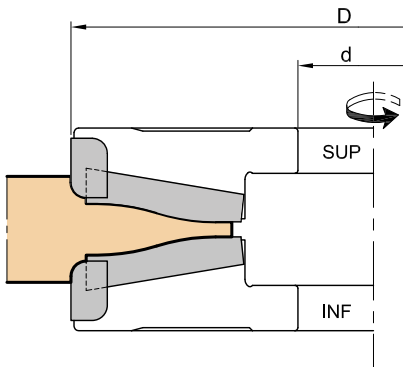
□ Cutterhead supplied without knives - Porte-outils livré sans plaquettes



Spare parts - Pièces de rechange		Nr.	Pos.	Dim.	Ref.
Knife - Plaquette		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
Clamping wedge - Cale			SUP	B= 20	707.273
			INF	B= 20	707.275
Knife - Plaquette				50x12x1,5	750.106
Clamping wedge - Cale			SUP	B= 50	707.274
			INF	B= 50	707.276
Screw - Vis				M8x16	705.542
T Wrench - Clé en T				SW4	706.104
Adjusting gauge - Calibre de réglage				1,0	717.302



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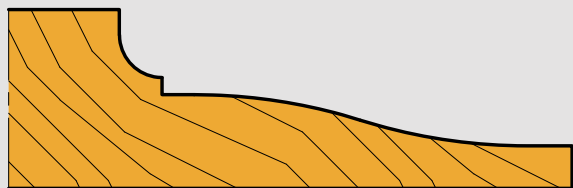


D	B	d	Z	n min.-max.	Ref. SUP	Ref. INF
200	30	30/50	2+2	3900-6600	529.120 □	529.121 □

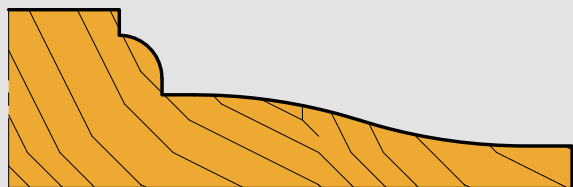
□ Cutterhead supplied without knives - Porte-outils livré sans plaquettes

Spare parts - Pièces de rechange	Nr.	Pos.	Dim.	Ref.
Knife - Plaquette	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
Clamping wedge - Cale		SUP	B= 20	707.273
		INF	B= 20	707.275
Knife - Plaquette		SUP	60x12x1,5	781.120
		INF	60x12x1,5	781.121
Clamping wedge - Cale		SUP	B= 60	707.272
		INF	B= 60	707.277
Screw - Vis			M8x16	705.542
T Wrench - Clé en T			SW4	706.104
Adjusting gauge - Calibre de réglage			1,0	717.302

P1

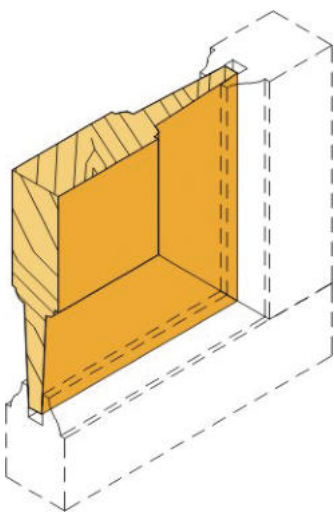
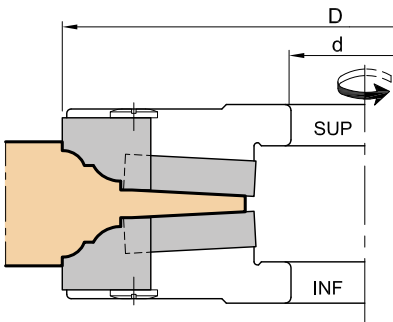


P2



P3



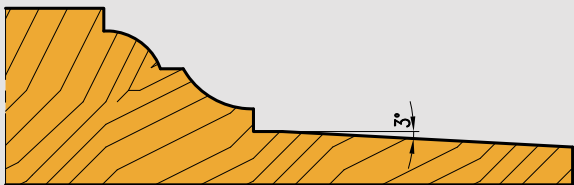


D	B	d	Z	n min.-max.	Ref. SUP	Ref. INF
205	30	30/50	2+2	3700-6300	529.510 □	529.511 □

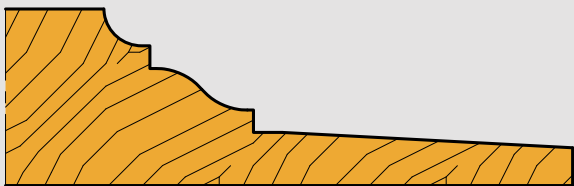
□ Cutterhead supplied without knives - Porte-outils livré sans plaquettes

Spare parts - Pièces de rechange		Nr.	Pos.	Dim.	Ref.
Knife - Plaquette	P1	SUP		25x30x2	782.501
	P2			25x30x2	782.502
	P3			25x30x2	782.503
	P4			25x30x2	782.504
	P1	INF		25x30x2	782.505
	P2			25x30x2	782.506
	P3			25x30x2	782.507
	P4			25x30x2	782.508
Clamping wedge - Cale			SUP	B= 25	707.561
			INF	B= 25	707.953
Knife - Plaquette				50x12x1,5	750.106
Clamping wedge - Cale			SUP	B= 50	707.144
			INF	B= 50	707.139
Screw - Vis				M8x16	705.542
				M10x16	705.551
T Wrench - Clé en T				SW4	706.104
				SW5	706.105

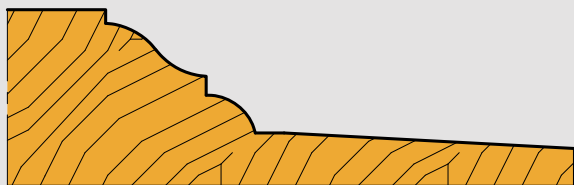
P1



P2



P3



P4





Application: For hardware grooving on tilt and turn windows and doors among others.

Machine: For single spindle moulders, moulders, etc.

Technical information: Steel body, knives in tungsten carbide (HW). Body prepared for manual feed equipment (MAN).

Application: Porte-outil à rainurer pour emplacement de crémones sur portes et fenêtres standard et oscillo-battant.

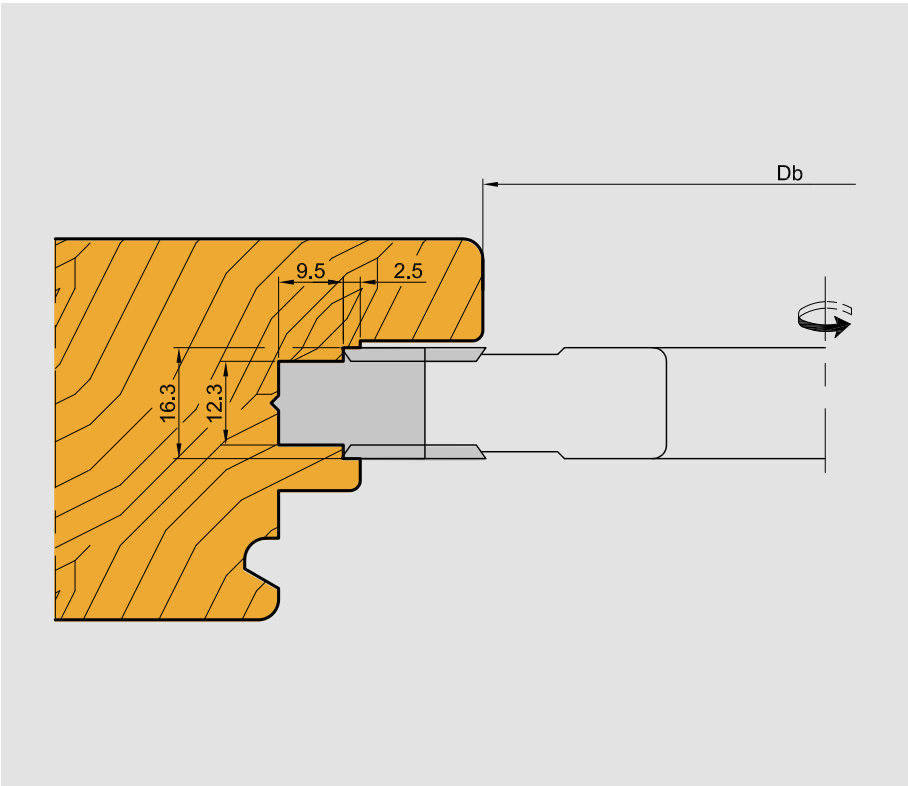
Machine: Pour moulurières, toupies, etc.

Caractéristiques techniques: Porte-outil avec corps en acier et plaquettes au carbure (HW). Le corps est conçu pour avance manuel (MAN).



D	B	d	Z	V	n min.-max.	Ref.
184	16,3	30/60	2	4	A4/15 Ø base 130	597.201
200	16,3	30/60	2	4	A12/18 Ø base 140	597.203

Spare parts - Pièces de rechange	Dim.	Ref.
Knife - Plaquette	16x25x2	785.597.01
Clamping wedge - Cale	B= 16	707.597.01
Screw - Vis	M8x35	705.540.35
Spur - Araseurs	14x14x2	750.111
Torx screw - Vis Torx	M5x6	705.425
Torx wrench - Clé Torx	T15	706.304
T Wrench - Clé en T	SW4	706.104



Hardware grooving cutterhead

Porte-outils pour emplacement de crémones

596



Application: For hardware grooving on lifting and sliding windows and doors.

Machine: For single spindle moulders, moulders, etc.

Technical information: Steel body, tungsten carbide knives (HW). Body prepared for manual feed equipment (MAN).

Application: Porte-outil à rainurer pour emplacement de crémones sur portes et fenêtres coulissantes.

Machine: Pour moulurières, toupies, entre autres.

Caractéristiques techniques: Corps en acier et plaquettes au carbure (HW). Le corps est conçu pour avance manuel (MAN).



Nr.	D	B	d	Z	V	I+C	n min.-max.	Ref.
1	136	15	50	2		2	5700-9800	596.101
2	180	22	50	2	4		4200-7200	596.102
3	136	15	50	2		2	5700-9800	596.103
4	220	22	50	2+2	4+4		3500-6000	596.104
5	244	22	50	2	4		3100-5300	596.105
6	200	22	50	2+2	8		3900-6900	596.106
7	220	22	50	2+2	8		3500-6300	596.107
8	224	22	50	2	4		3400-6200	596.108
16	162	22	50	2	4		4200-7200	596.116

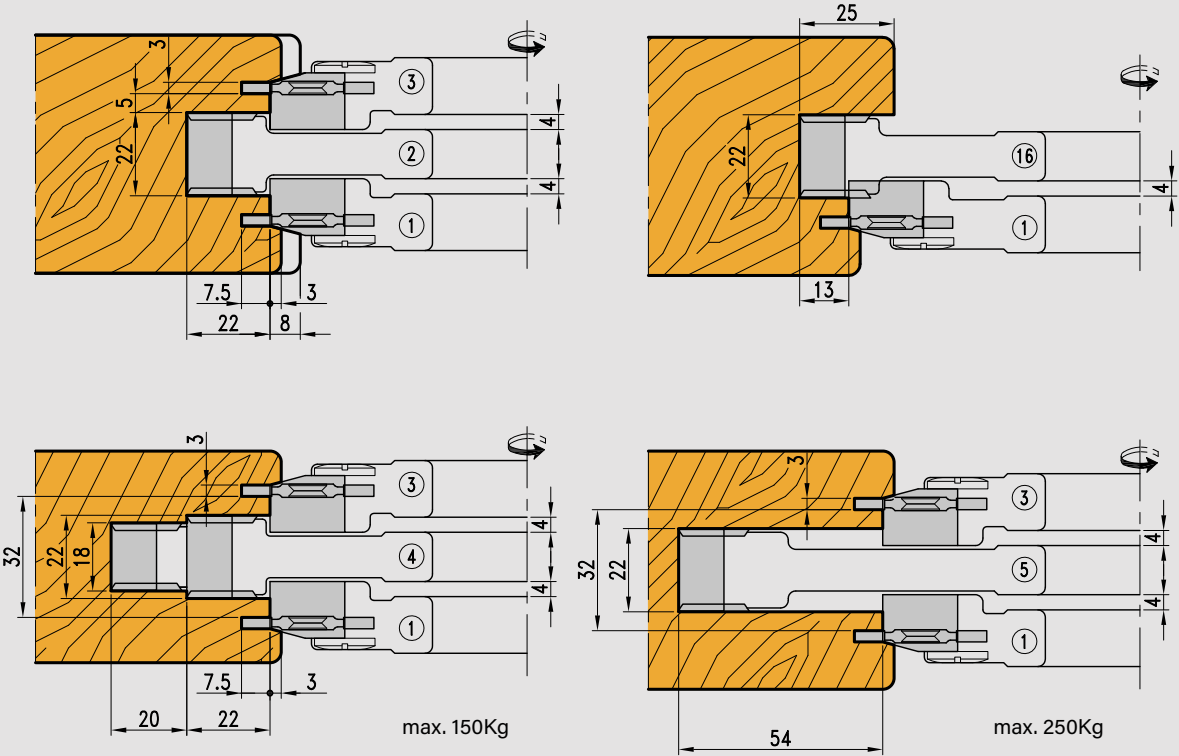
Spare parts - Pièces de rechange	Nr.	Dim.	Ref.
Knife - Plaquette	1	15x20x2	785.781
	3	15x20x2	785.782
	4/6/7	17,6x12x1,5	750.205
	2/4/5/8/16	21,6x12x1,5	750.204
Clamping wedge - Cale	1		707.281
	3		707.282
	4/6/7		707.002.15
	2/4/5/8/16		707.002.20
Screw - Vis		M8x16	705.542
Spur - Araseurs		14x14x2	750.111
Torx screw - Vis Torx		M5x6	705.425
Torx wrench - Clé Torx		T15	706.304
Groover - Rainureuse	1/3	35x17x3	783.109
Screw - Vis		M5x13,5	705.318
T Wrench - Clé en T		SW3	706.103
		SW4	706.104

Continued next page - Suite page suivante

05

System - Système

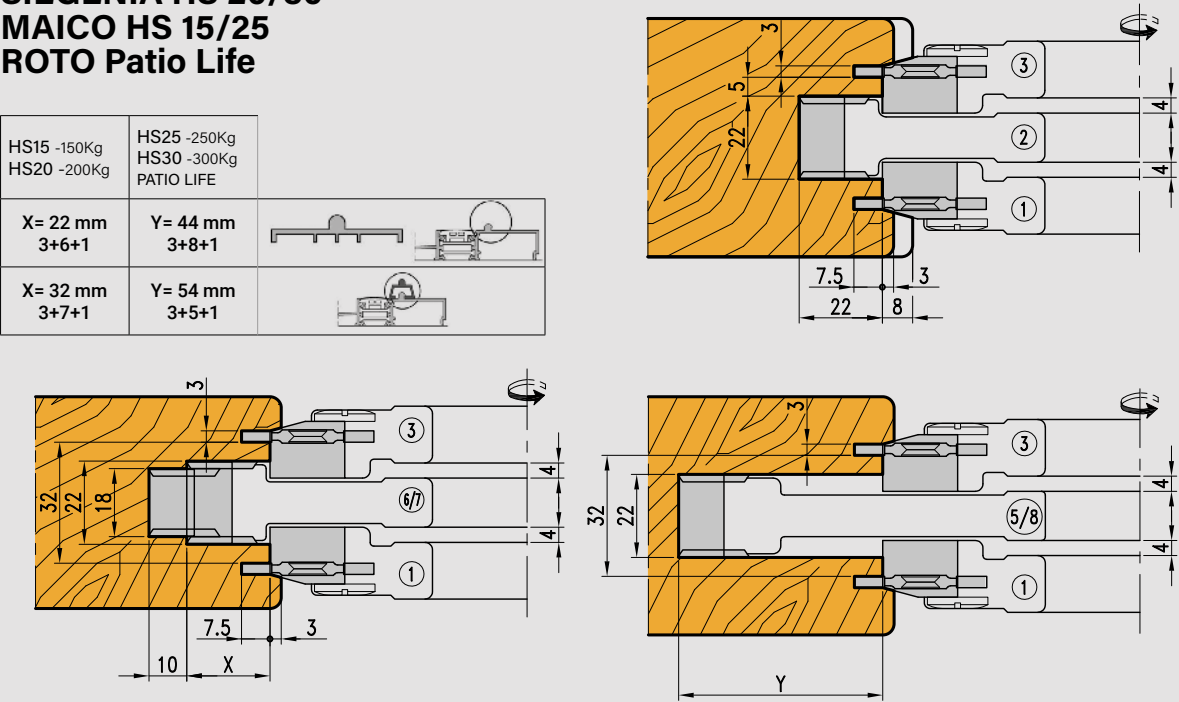
GU 934 / 937

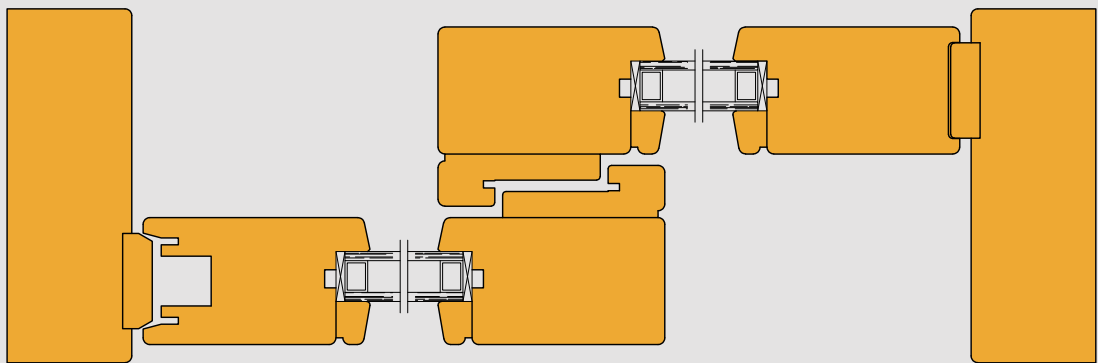


System - Système

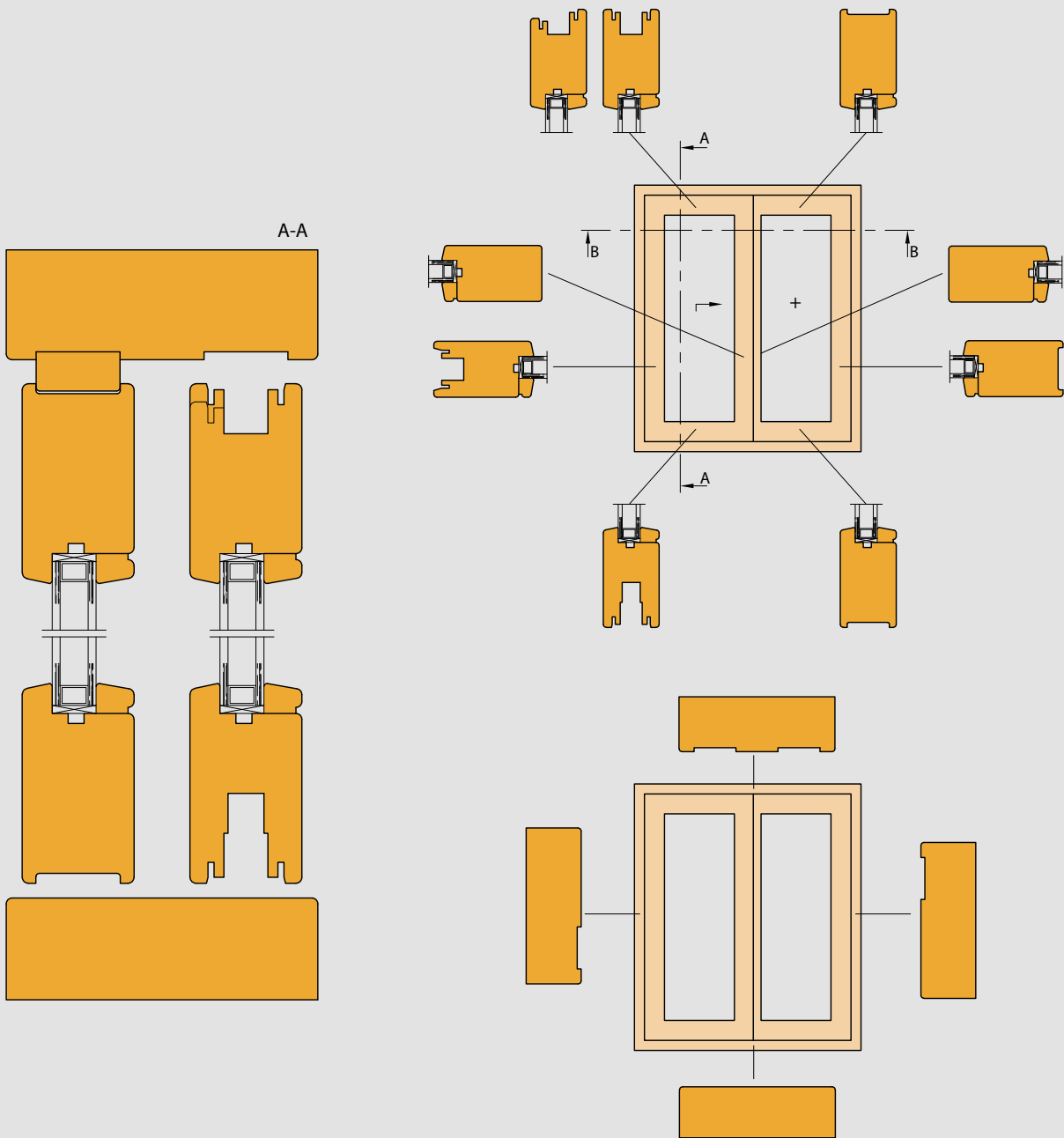
SIEGENIA HS 20/30
MAICO HS 15/25
ROTO Patio Life

HS15 -150Kg HS20 -200Kg	HS25 -250Kg HS30 -300Kg PATIO LIFE	
X= 22 mm 3+6+1	Y= 44 mm 3+8+1	
X= 32 mm 3+7+1	Y= 54 mm 3+5+1	





B-B



A-A

Tenoning cutterhead

Porte-outils à tenonner

550



Application: For rebating and tenoning on solid wood doors and windows production.

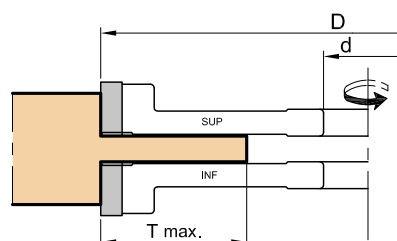
Machine: For double end tenoners, tenoners, single spindle moulders with tenoner slide car, etc.

Technical information: Steel body, two edges reversible knives in tungsten carbide (HW). Body prepared for manual feed equipment (MAN).

Application: Pour feuilletter et tenonner dans la production de portes et fenêtres en bois massif.

Machine: Pour corroyeuses, tenonneuses, toupies avec table de tenonnage, etc.

Caractéristiques techniques: Corps en acier et plaquettes réversibles au carbure (HW). Le corps est conçu pour avance manuel (MAN).



D	B	d	Z	V	T max.	n min.-max.	Ref. INF	Ref. SUP
250	20	50	3	3	90	3100-5300	550.101	550.151
	25	50	3	3	90	3100-5300	550.102	550.152
	30	50	3	3	90	3100-5300	550.103	550.153
	40	50	3	3	90	3100-5300	550.104	550.154
272	30	50	3	3	100	2800-4900	550.203	550.253
	40	50	3	3	100	2800-4900	550.204	550.254
280	25	50	3	3	105	2800-4700	550.302	550.352
	30	50	3	3	105	2800-4700	550.303	550.353
	40	50	3	3	105	2800-4700	550.304	550.354
300	25	50	3	3	115	2600-4400	550.502	550.552
	30	50	3	3	115	2600-4400	550.503	550.553
	40	50	3	3	115	2600-4400	550.504	550.554
302	30	50	3	3	115	2600-4400	550.403	550.453
	40	50	3	3	115	2600-4400	550.404	550.454
320	25	50	3	3	125	2400-4100	550.702	550.752
	30	50	3	3	125	2400-4100	550.703	550.753
	40	50	3	3	125	2400-4100	550.704	550.754

Spare parts - Pièces de rechange	Pos.	Dim.	Ref.
Knife - Plaquette		20x12x1,5 45°	752.505
		24,7x12x1,5 45°	752.506
		30x12x1,5 45°	752.507
		40x12x1,5 45°	752.508
Clamping wedge - Cale	INF	B= 20	707.133.20
		B= 25	707.133.25
		B= 30	707.133.30
		B= 40	707.133.40
	SUP	B= 20	707.130.20
		B= 25	707.130.25
		B= 30	707.130.30
		B= 40	707.130.40
Screw - Vis		M8x16	705.542
Spur - Araseurs	≤ 2020	14x14x2	750.111
	> 2020	22x19x2	760.101
Torx screw - Vis Torx		M5x6	705.425
Torx wrench - Clé Torx		T15	706.304
T Wrench - Clé en T		SW4	706.104

Tenoning cutterhead

Porte-outils à tenonner

583



Application: For tenon groove in the production of solid wood doors and windows.

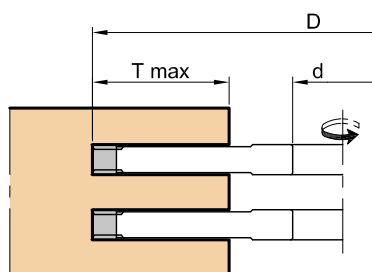
Machine: For double end tenoners, tenoners, single spindle moulders with tenoner side car, etc.

Technical information: Steel body, two edges reversible knives in tungsten carbide (HW). Body prepared for manual feed equipment (MAN).

Application: Pour la rainure de tenon dans la production de portes et fenêtres en bois massif.

Machine: Pour corroyeuses, tenonneuses, toupies avec table de tenonnage, etc.

Caractéristiques techniques: Corps en acier et plaquettes réversibles au carbure (HW). Le corps est conçu pour avance manuel (MAN).



D	B	d	Z	V	T max.	n min.-max.	Ref.
250	8	30/50	3	6	80	3100-5300	583.151
	10	30/50	3	6	80	3100-5300	583.152
	12	30/50	3	6	80	3100-5300	583.153
	15	30/50	3	6	80	3100-5300	583.154
	20	30/50	3	6	80	3100-5300	583.155
272	8	30/50	3	6	90	2800-4900	583.251
	10	30/50	3	6	90	2800-4900	583.252
	12	30/50	3	6	90	2800-4900	583.253
	15	30/50	3	6	90	2800-4900	583.254
	20	30/50	3	6	90	2800-4900	583.255
280	8	30/50	3	6	95	2800-4700	583.351
	10	30/50	3	6	95	2800-4700	583.352
	12	30/50	3	6	95	2800-4700	583.353
	15	30/50	3	6	95	2800-4700	583.354
	20	30/50	3	6	95	2800-4700	583.355
302	8	30/50	3	6	110	2600-4400	583.451
	10	30/50	3	6	110	2600-4400	583.452
	12	30/50	3	6	110	2600-4400	583.453
	15	30/50	3	6	110	2600-4400	583.454
	20	30/50	3	6	110	2600-4400	583.455

Spare parts - Pièces de rechange	B	Dim.	Ref.
Knife - Plaquette		7,5x12x1,5 45°	752.501
		9,6x12x1,5 45°	752.502
		11,6x12x1,5 45°	752.503
		14,6x12x1,5 45°	752.515
		19,6x12x1,5 45°	752.514
Clamping wedge - Cale		B= 8	707.002.07
		B= 10	707.002.08
		B= 12	707.002.10
		B= 15	707.002.13
		B= 20	707.002.18
Screw - Vis	8	M5x12	705.523
	10	M6x16	705.535
	12/20	M8x16	705.542
Spur - Araseurs	≤ 2020	14x14x2	750.111
	> 2020	22x19x2	760.101
Torx screw - Vis Torx		M5x6	705.425
Torx wrench - Clé Torx		T15	706.304
T Wrench - Clé en T	8	SW2	706.102
	10	SW3	706.103
	12/20	SW4	706.104

05



Application: Set of cutterheads for production of solid wood doors and windows. In the following pages you will find some examples of FREZITE standard solutions.

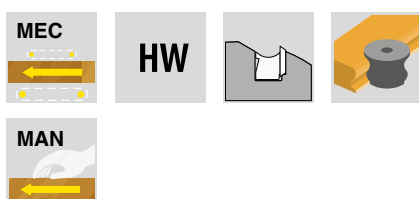
Machine: For CNC machines, window profiling machines, tenoners, single spindle moulders, etc.

Technical information: Steel or light alloy body, knives in tungsten carbide (HW). Body prepared for manual feed equipment (MAN) or mechanical feed equipment (MEC) according to equipment to be set up. Upon request, we develop projects and manufacture sets for the production of doors and windows of customized models.

Application: Ensemble de porte-outils pour production de portes et fenêtres en bois massif. Dans les pages qui suivent nous vous présentons quelques solutions standard FREZITE.

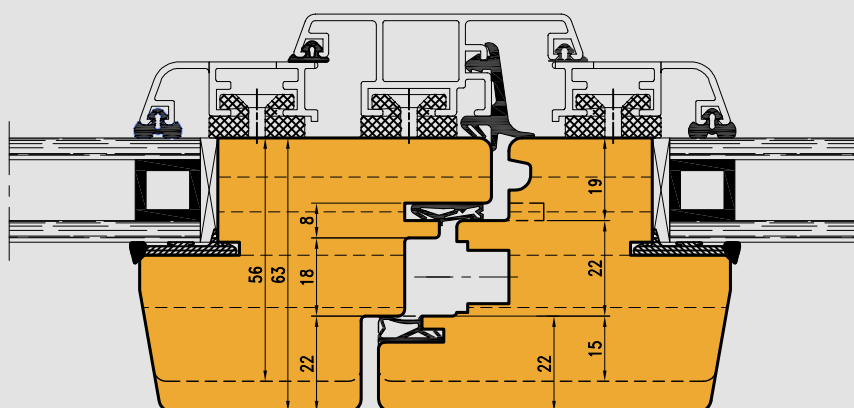
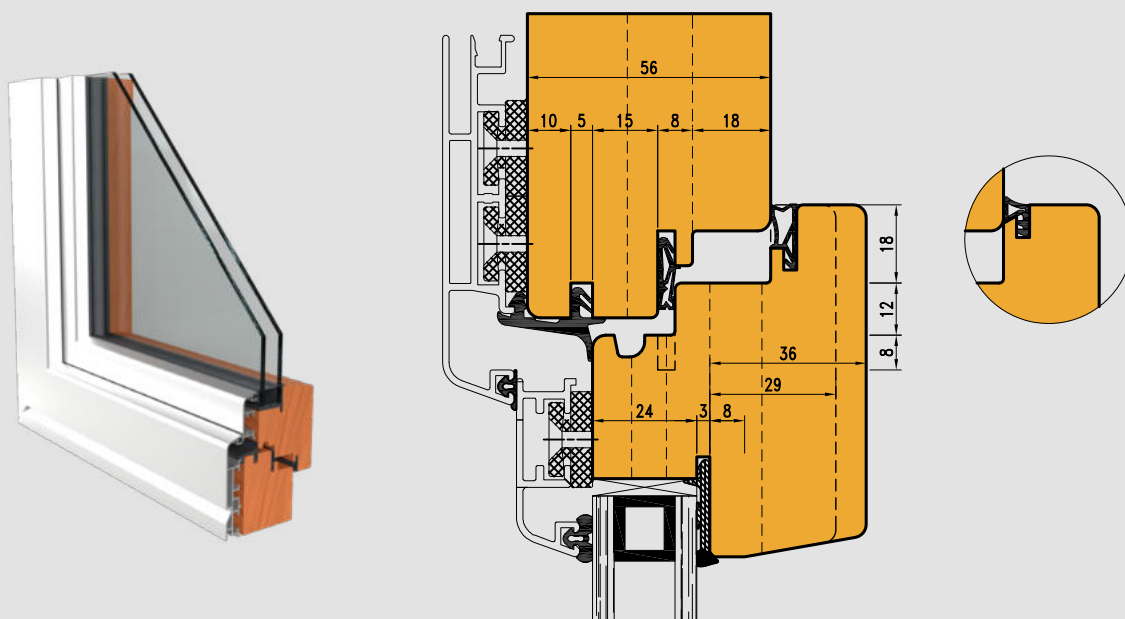
Machine: Pour machines CNC, centres d'usinage angulaires, tenonneuses, moulurières, toupies, etc.

Caractéristiques techniques: Corps en acier ou en alliage léger et plaquettes au carbure (HW). Les corps sont conçus pour avance manuel (MAN) ou pour avance mécanique (MEC), adaptés selon les différents équipements. Nous développons de nouveaux projets et nous fabriquons des ensembles de porte-outils pour la production de portes et fenêtres selon le souhait du client.



Window - Fenêtre

MAD-ALU 56-63/12-9

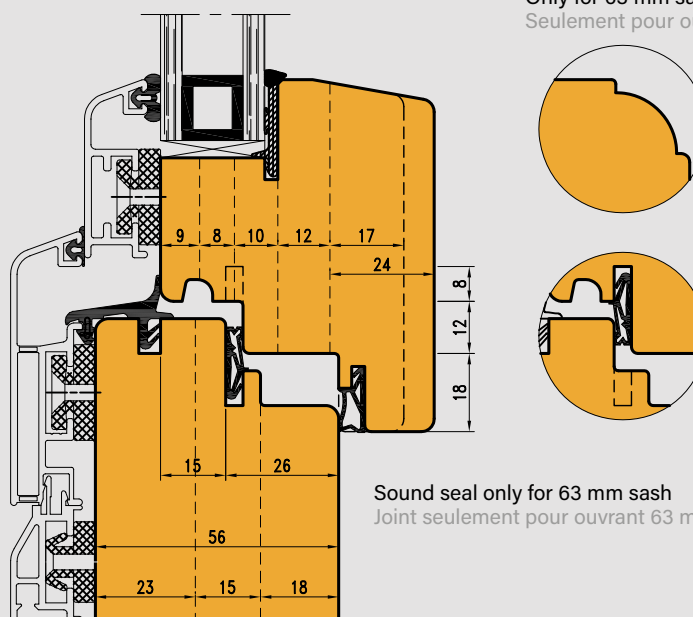


05

Compatible with:
Compatible avec:

Manufacturer Fabricant	System Système
Gutmann	MIRA
Bug	ALUVOGT
GS Stemeseder	ALTONOVA
Aluron	GEMINI
Benaco	EUROSTAR
Uniform	5000/S

Only for 63 mm sash
Seulement pour ouvrant 63 mm



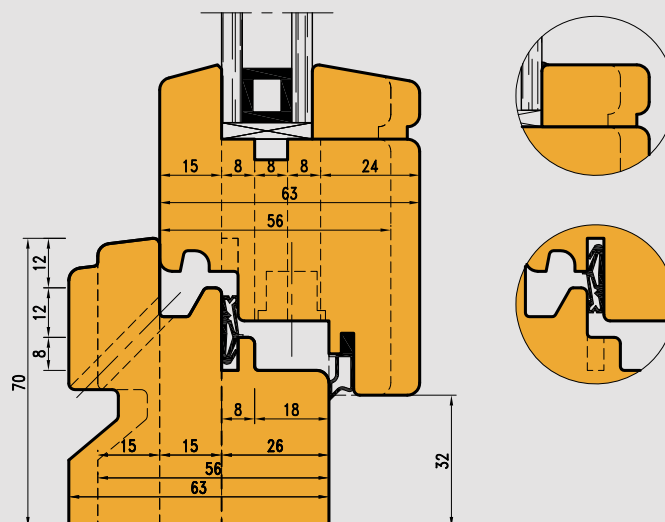
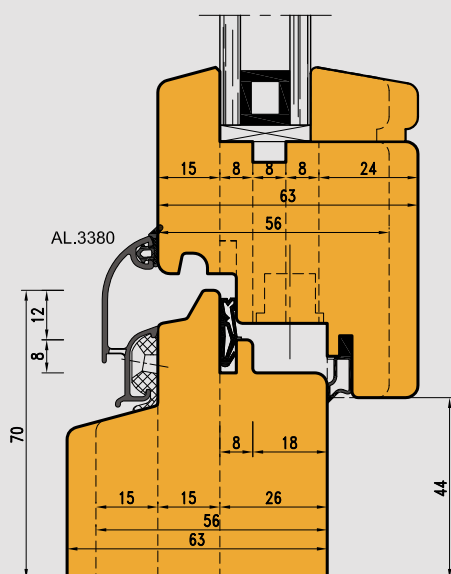
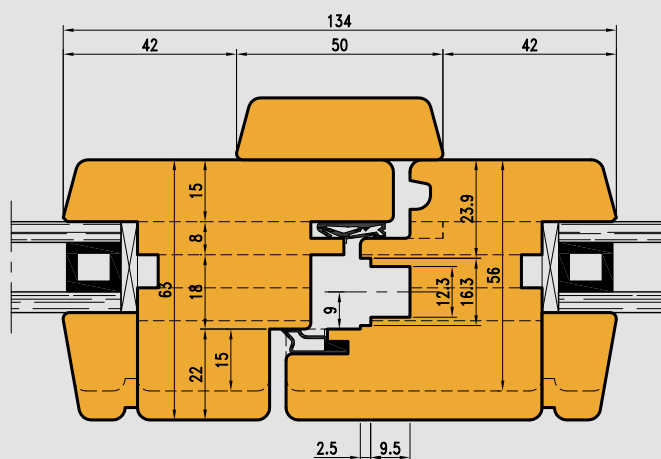
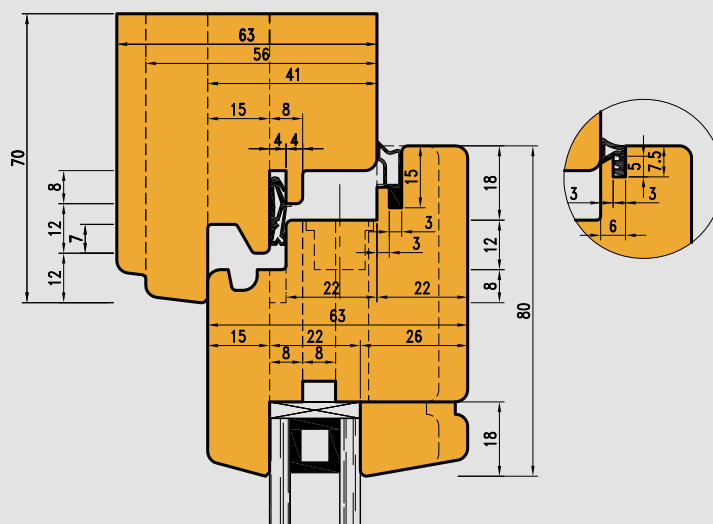
Sound seal only for 63 mm sash
Joint seulement pour ouvrant 63 mm

Window - Fenêtre

CONFORT 12/56-63-68



Wood 56-63 - Bois 56-63

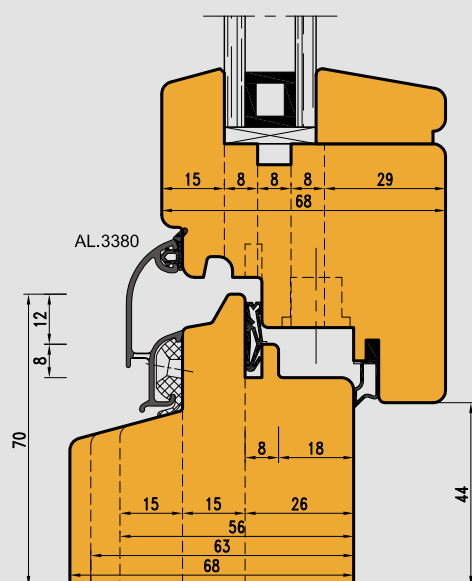
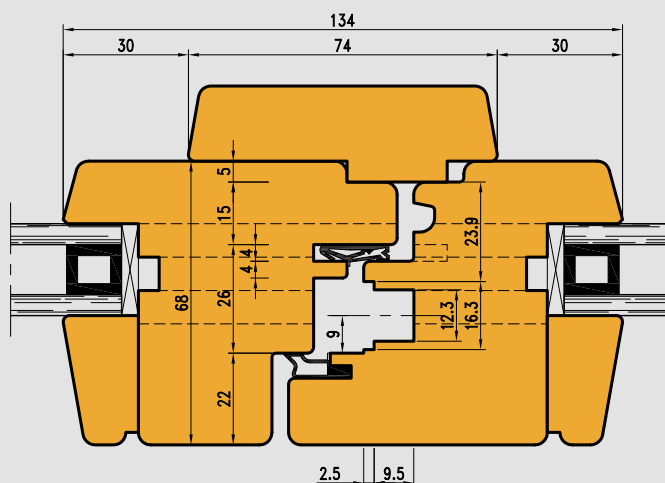
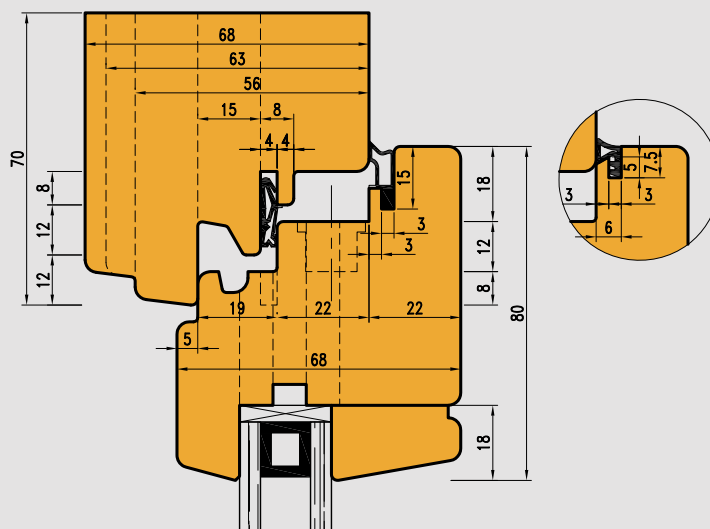


Window - Fenêtre

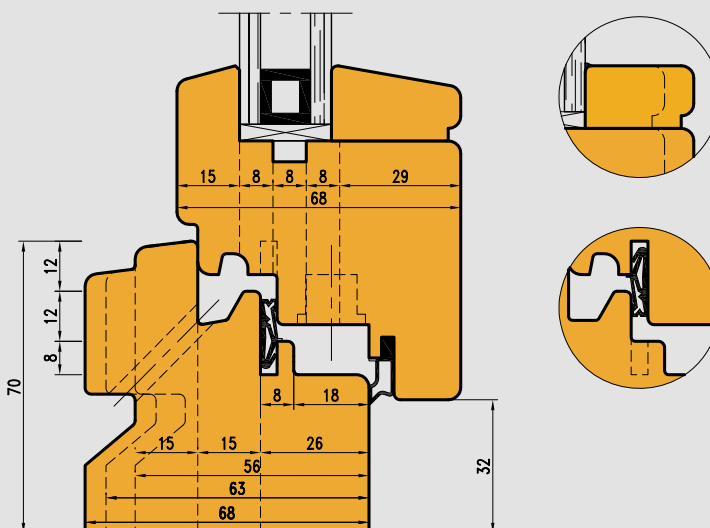
CONFORT 12/56-63-68



Wood 68 - Bois 68



AL.3380

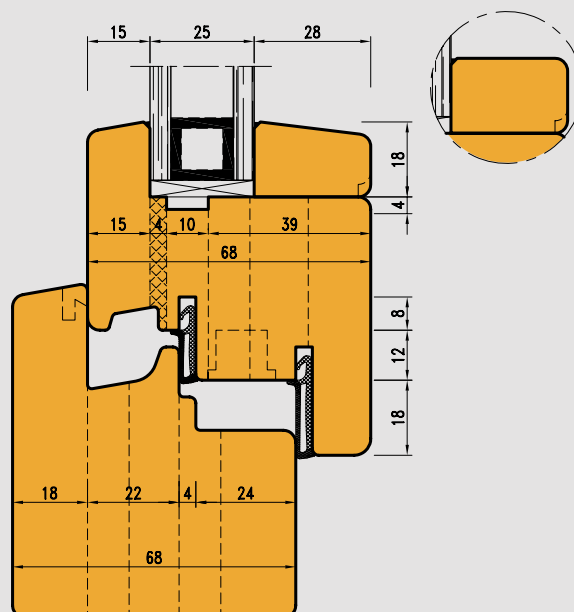
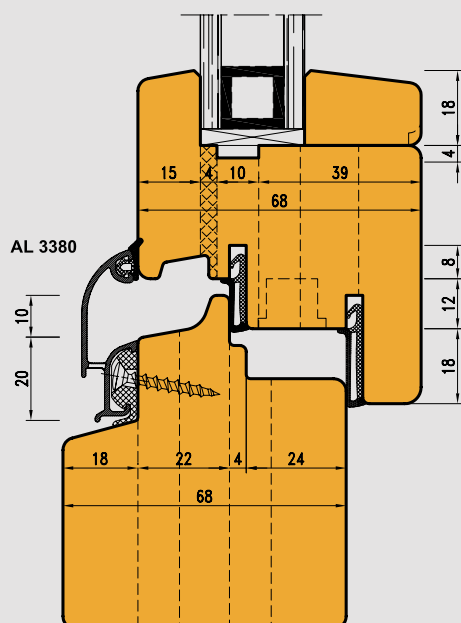
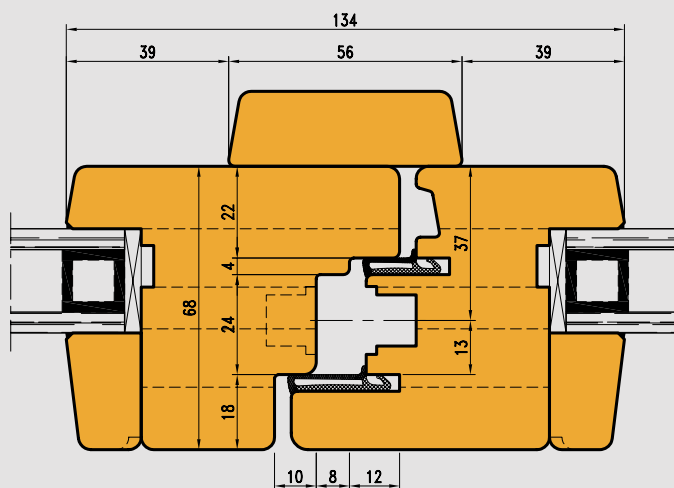
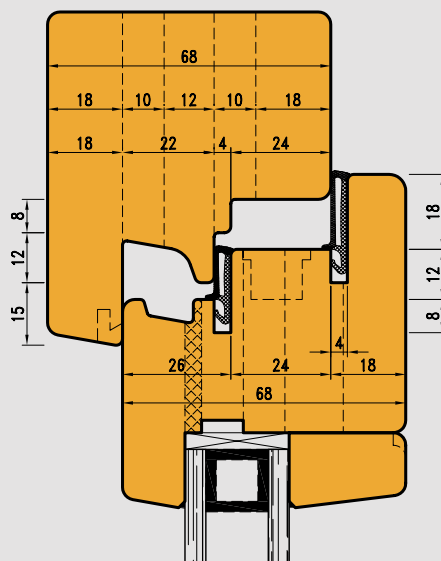


05

Window - Fenêtre
CONFORT 12/68-78



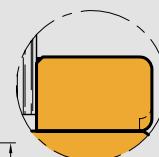
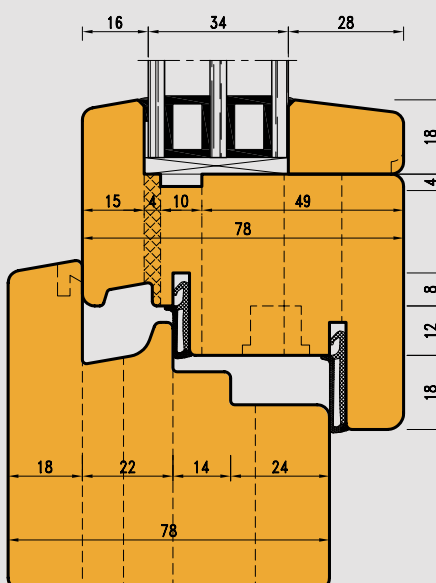
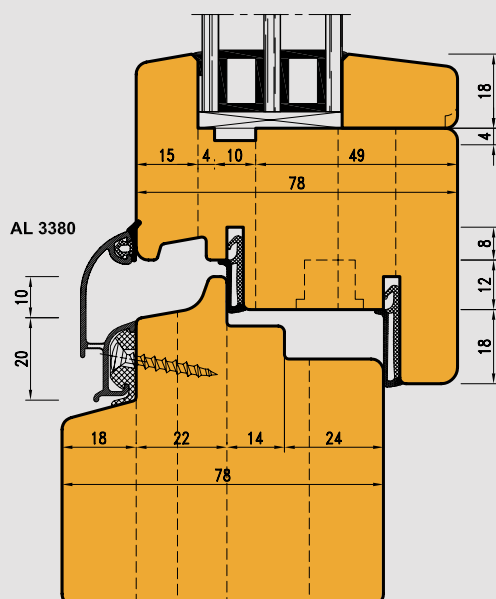
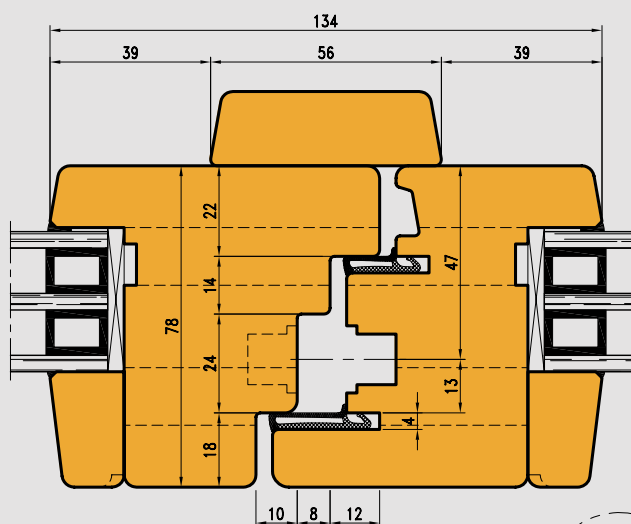
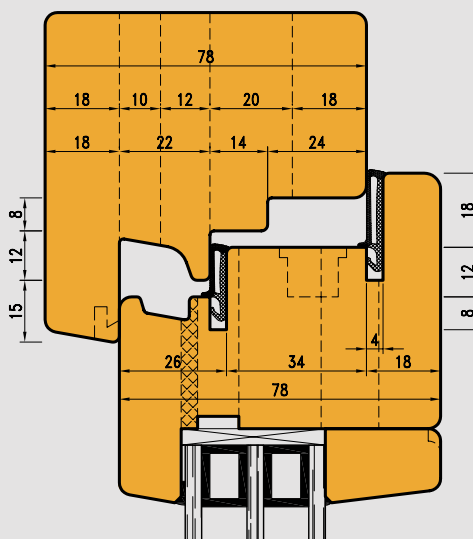
Wood 68 - Bois 68



Window - Fenêtre
CONFORT 12/68-78

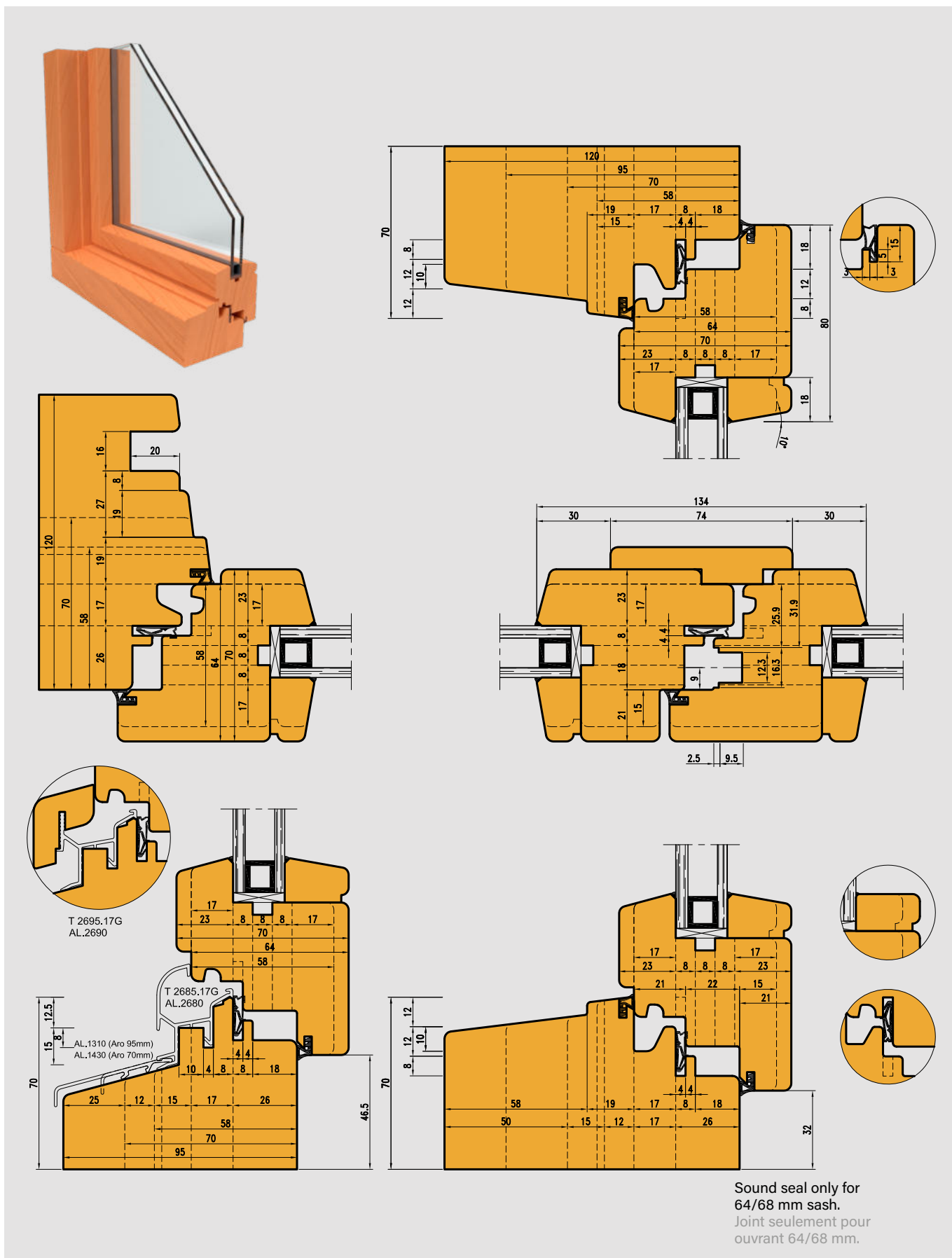


Wood 78 - Bois 78



Window - Fenêtre

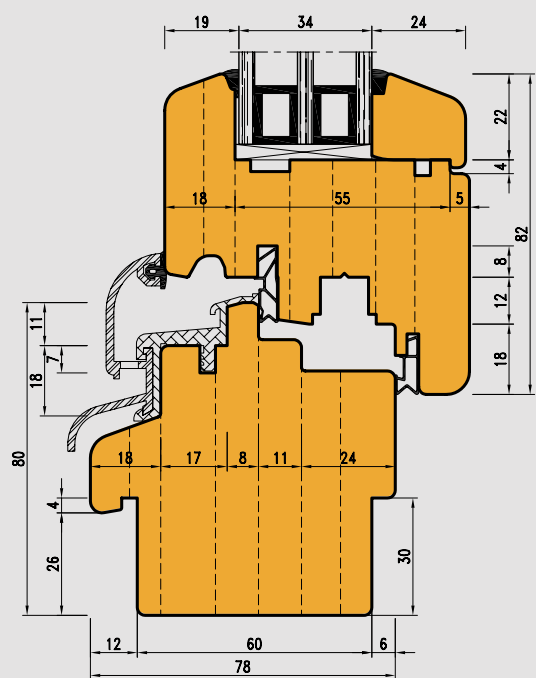
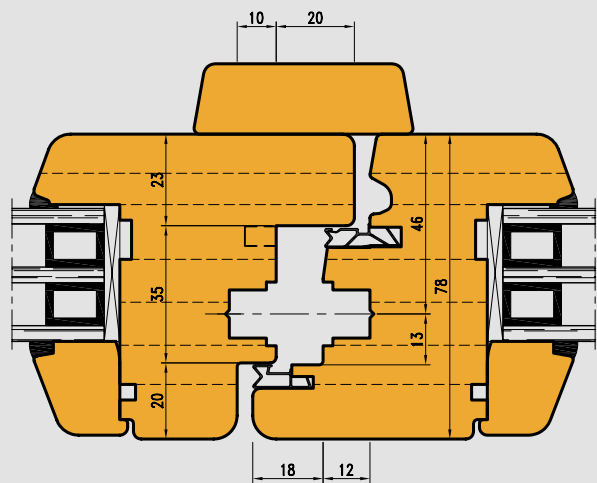
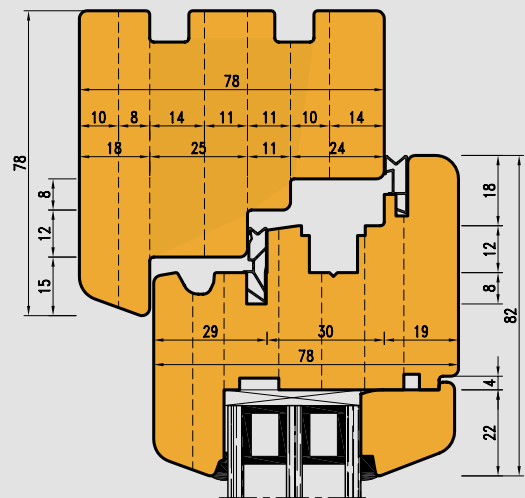
CONFORT 12/17



Window - Fenêtre
IV 78-88-92



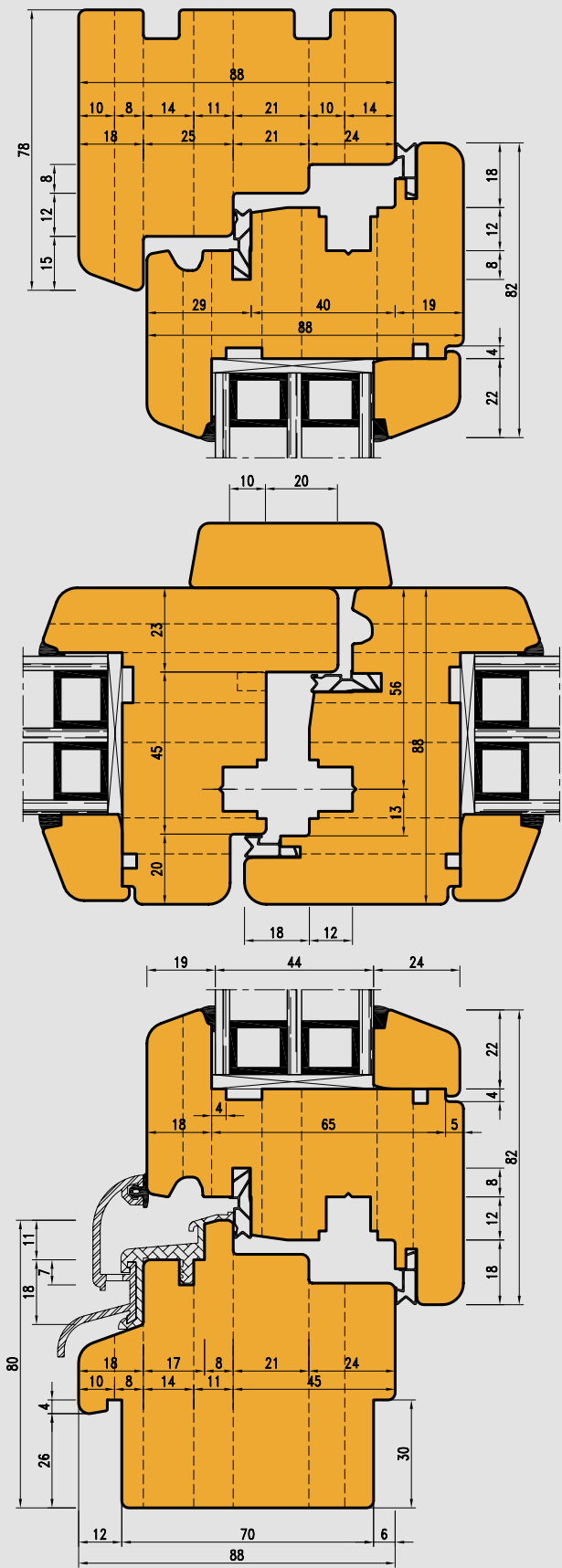
Wood 78 - Bois 78



Window - Fenêtre
IV 78-88-92



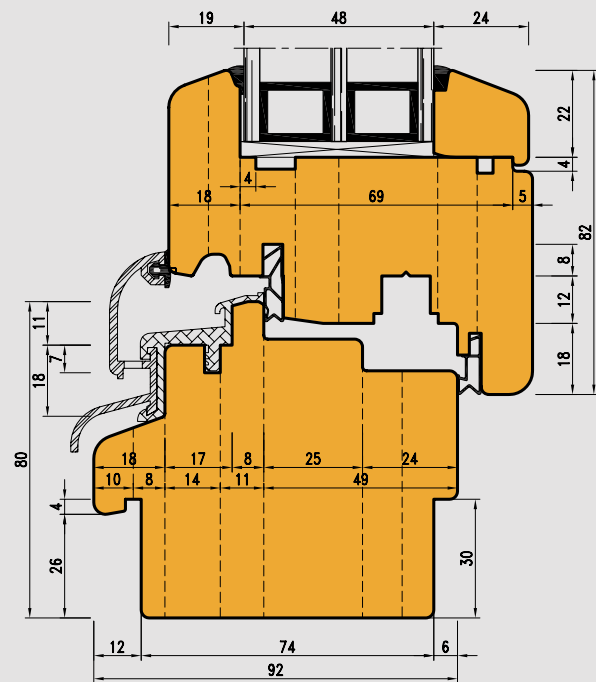
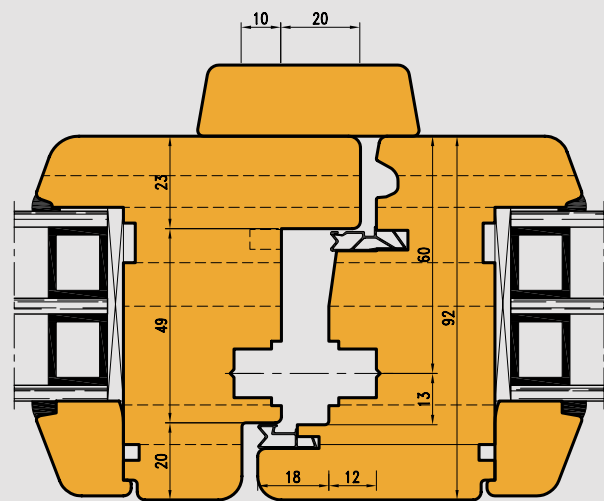
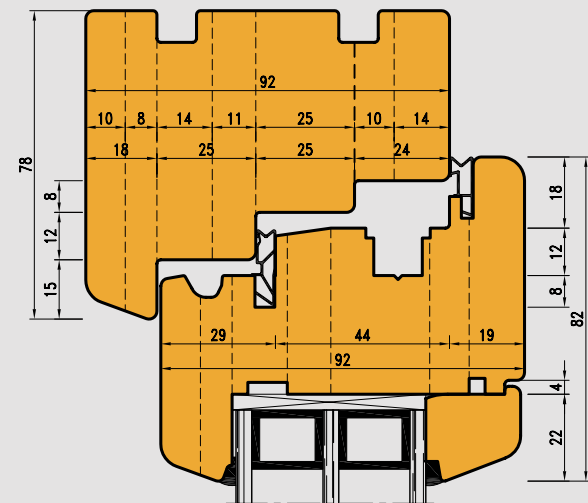
Wood 88 - Bois 88



Window - Fenêtre
IV 78-88-92



Wood 92 - Bois 92





Application: EASY SIX is a modular tooling system for the production of wood windows. Particularly dedicated for small and medium size joineries. This modular system is capable of producing six different window designs just by changing the tooling setups.

Machine: Single spindle moulders, tenoners, moulders, etc.

Technical information: Steel body cutterheads with tungsten carbide knives (HW).

Application: EASY SIX est un système modulaire d'outils pour la fabrication de fenêtres, essentiellement pour petites et moyennes menuiseries. Ce système permet la production de 6 différents modèles de fenêtres par la combinaison de différents outils standard.

Machines: Pour toupies, tenonneuses, moulurières, entre autres.

Caractéristiques techniques: Porte-outils avec corps en acier et plaquettes profilées en carbure (HW).



6
EASY SIX
Modular system
Système modulaire

Advantages:

- Modular system that allows for the production of six different window designs.
- Reduction in half of the production time cycle, when compared with the traditional methods.
- Increased flexibility when doing small production runs.
- Reduced machine setup time using appropriate gauges.

Avantages:

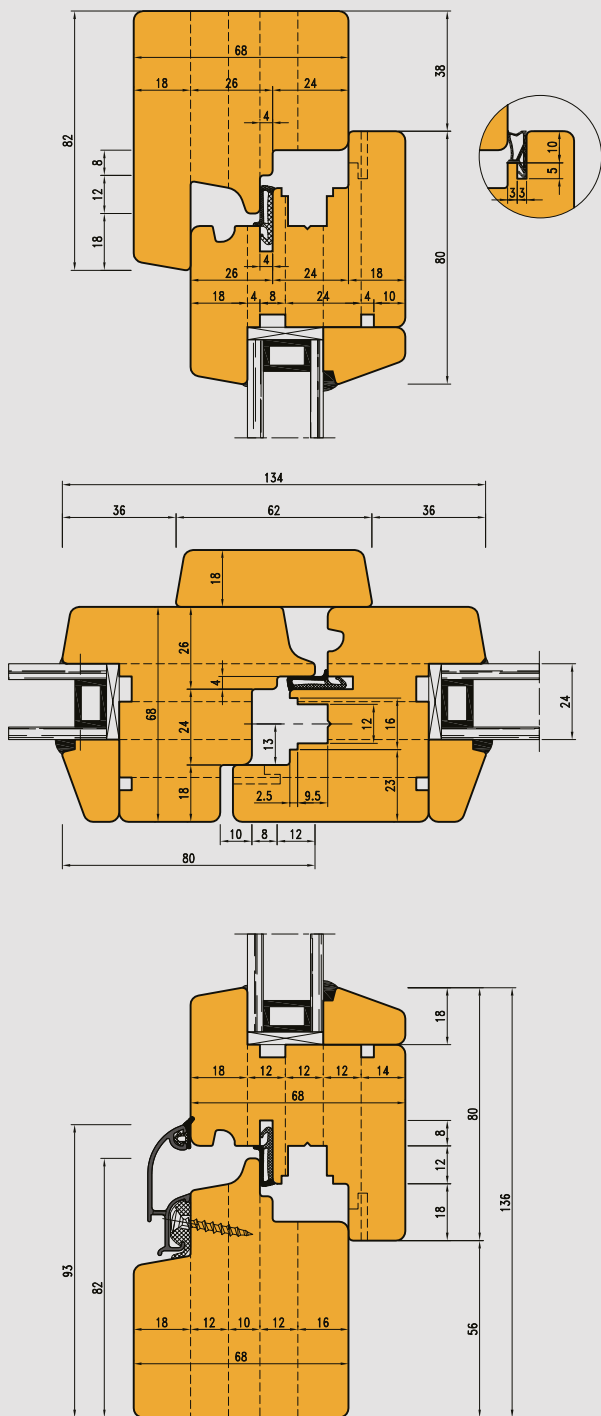
- Système modulaire qui permet l'exécution de 6 différents modèles de fenêtre.
- Réduction du temps à moitié pour la production de fenêtres en comparaison avec les méthodes traditionnelles.
- Flexibilité pour produire de petites quantités.
- Réduction de temps de mise en route sur la machine avec l'utilisation de calibres appropriés.

Nr	Ref.	IV68	IV78	IV92	JV68	JV78	JV92
1	561.601	✓	✓	✓	✓	✓	✓
2	561.602	✓	✓	✓	✓	✓	✓
3	561.603	✓	✓	✓	✓	✓	✓
4	561.604		✓			✓	
5	561.605			✓			✓
6	561.606	✓	✓	✓			
7	561.607	✓	✓	✓	✓	✓	✓
8	561.608	✓	✓	✓	✓	✓	✓
9	561.609	✓	✓	✓	✓	✓	✓
10	561.610	✓	✓	✓	✓	✓	✓
11	561.611	✓	✓	✓	✓	✓	✓
12	561.612	✓	✓	✓	✓	✓	✓
13	561.613	✓	✓	✓	✓	✓	✓
14	561.614	✓	✓	✓	✓	✓	✓
15	561.615	✓	✓	✓			
16	561.616	✓	✓	✓	✓	✓	✓
17	561.617		✓	✓		✓	✓
18	561.618	✓	✓	✓	✓	✓	✓
19	561.619	✓	✓	✓	✓	✓	✓
19A	561.699	✓	✓	✓	✓	✓	✓
20	561.620	✓	✓	✓	✓	✓	✓
21	561.621	✓	✓	✓	✓	✓	✓
22	561.622	✓	✓	✓	✓	✓	✓
A	703.612	✓	✓	✓	✓	✓	✓
B	703.613	✓	✓	✓	✓	✓	✓
C	703.622	✓	✓	✓	✓	✓	✓
Gabarit	717.501	✓	✓	✓	✓	✓	✓

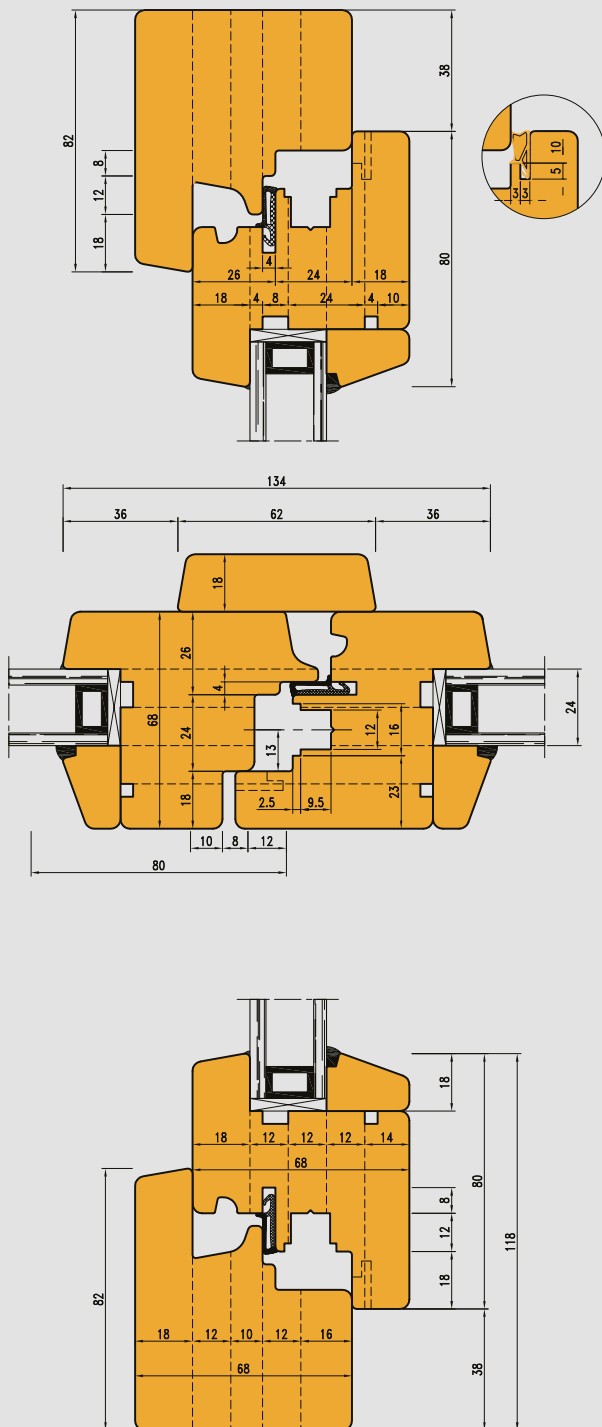


Window - Fenêtre
Easy Six

IV68

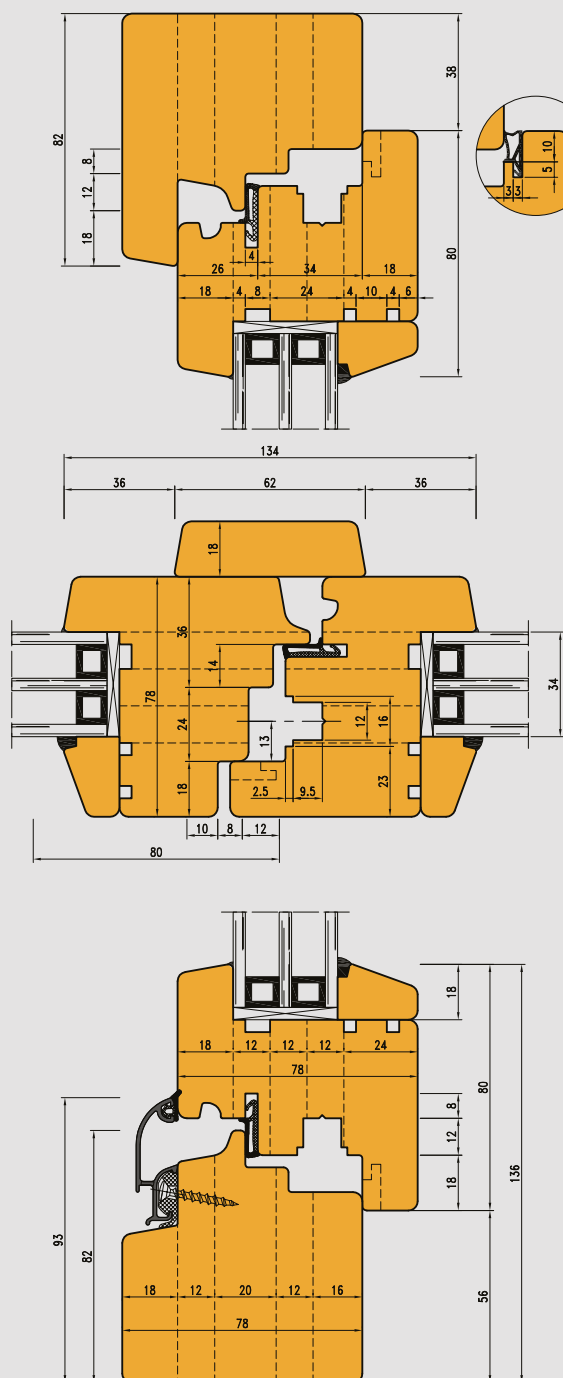


JV68

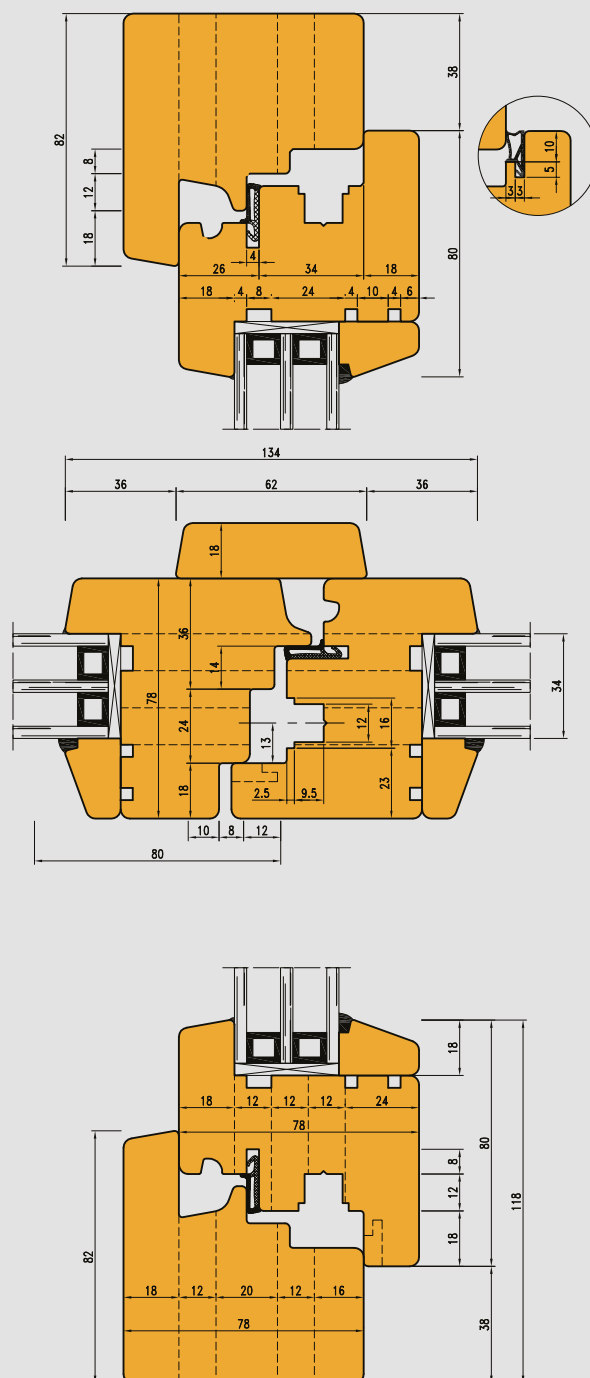


Window - Fenêtre
Easy Six

IV78

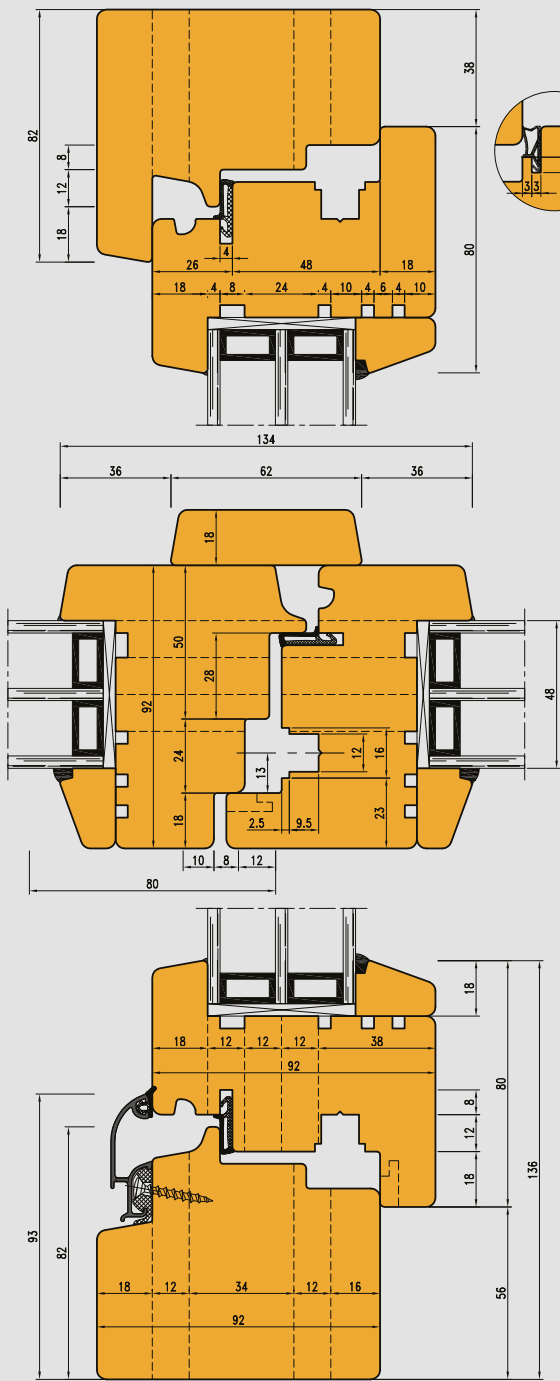


JV78

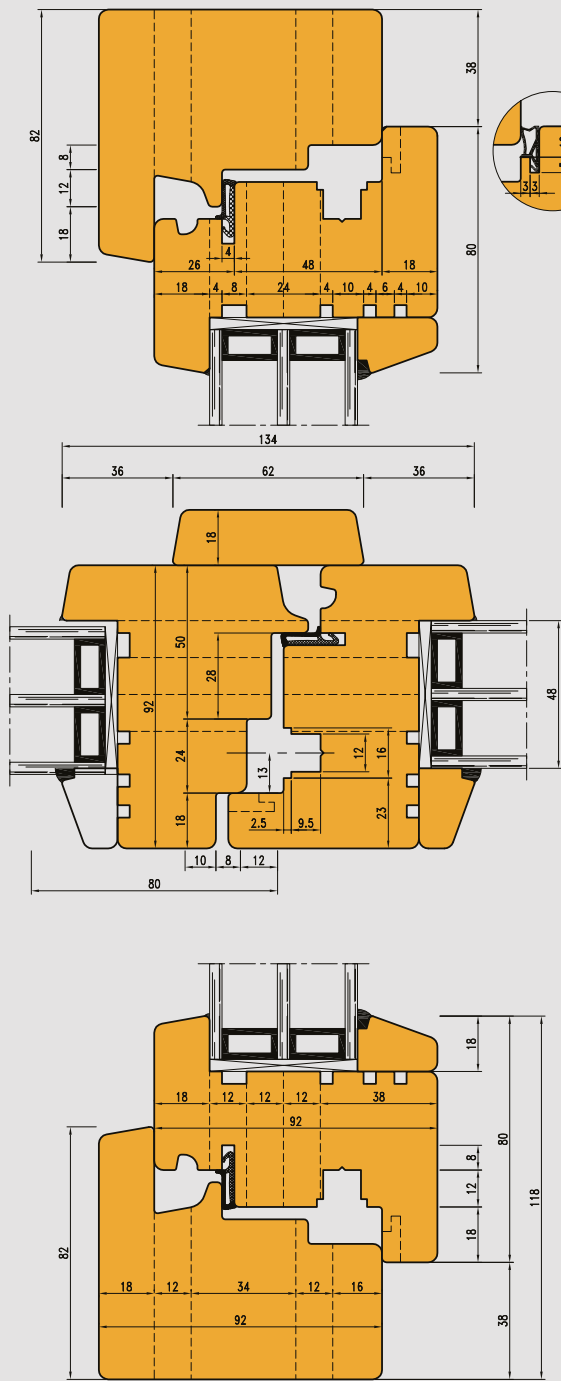


Window - Fenêtre
Easy Six

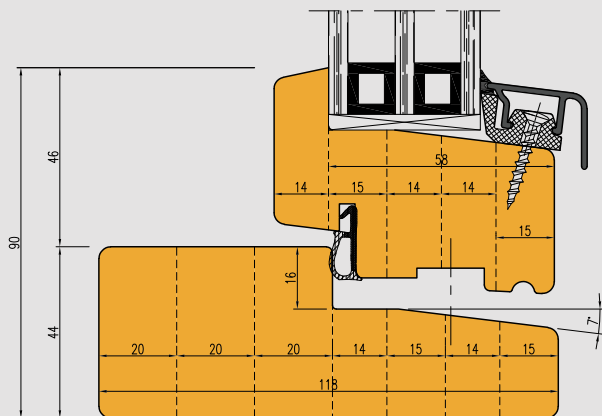
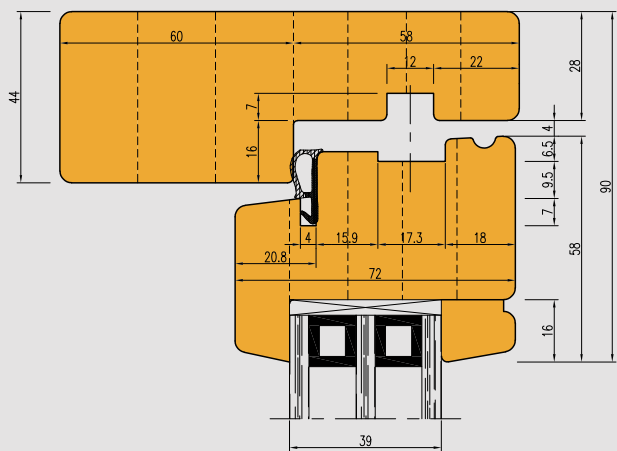
IV92

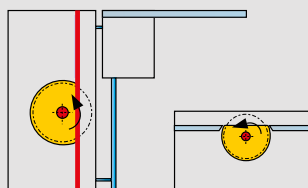


JV92



Danish Window - Fenêtre Danoise





Ø320
Max.

Tenoning Tenonnage



Slot of frame head and sill
Cadre dormant contre-profilage



Tenon of frame top of jambs
Cadre dormant contre-profilage



Tenon of frame bottom of jamb (aluminium drip)
Cadre dormant contre-profilage (gouttière en aluminium)



Slot of sash for top and bottom of stiles
Cadre dormant contre-profilage



Tenon of sash top and bottom rails
Cadre dormant contre-profilage

Ø140
Base

Profiling Profilage



Frame inside of side jambs and head jamb
Profilage de l'ouvrant



Frame inside of sill
Profilage intérieur du seuil



Sash inside with glazing bead
Profilage intérieur avec la parclose



Sash inside cut out glazing bead
Profilage intérieur pour la parclose



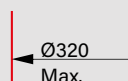
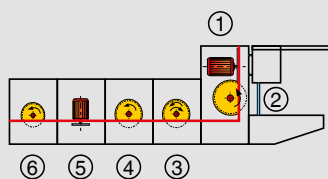
Sash outside around
Profilage ouvrant extérieur



Sash outside grooves for hardware
Profilage ouvrant pour les accessoires



Sash outside stiles for FRENCH windows
Profilage des montants extérieurs pour fenêtre Française



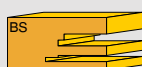
Spindle
Arbre

Tenoning
Tenonnage



1

Cutting off saw blade
Coupe avec lame de scie



2

Slot of frame head and sill
Cadre dormant contre-profilage



2

Tenon of frame top of jambs
Cadre dormant contre-profilage



2

Tenon of frame bottom of jamb (aluminium drip)
Cadre dormant contre-profilage (gouttière en aluminium)



2

Slot of sash for top and bottom of stiles
Cadre dormant contre-profilage



2

Tenon of sash top and bottom rails
Cadre dormant contre-profilage



2

Sash counter bottom rail
Cadre ouvrant contre-profilage



Spindle
Arbre

Profiling
Profilage



3

Frame inside of side jambs and head jamb
Profilage de l'ouvrant



3

Frame inside of sill
Profilage intérieur du seuil



3

Sash outside clock-wise rotation
Profilage ouvrant pour rotation dans le sens horaire



4

Sash inside with glazing bead
Profilage intérieur avec la parclose



4

Sash outside around
Profilage ouvrant extérieur



4

Sash outside stiles for FRENCH windows
Profilage des montants extérieurs pour fenêtre Française



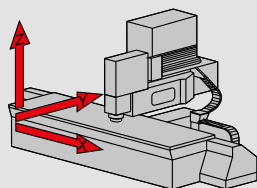
5

Sash inside cut out glazing bead
Profilage intérieur pour la parclose



6

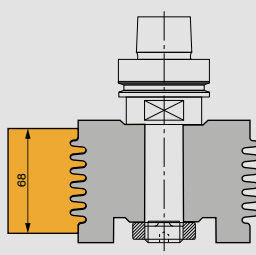
Sash outside grooves for hardware
Profilage ouvrant pour les accessoires



MINI-LH

Glue joint cutterhead

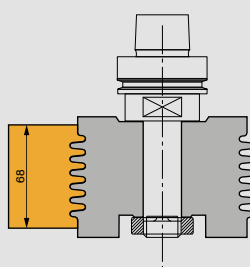
Porte-outils à joint collés à plaquettes



MINI-RH

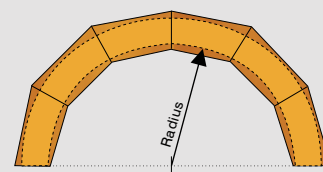
Glue joint cutterhead

Porte-outils à joint collés à plaquettes



Arch preparation

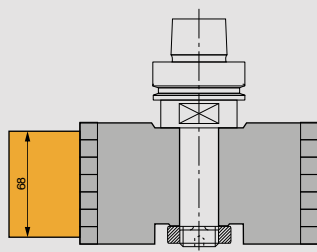
Préparation fenêtre cintrée



VOR

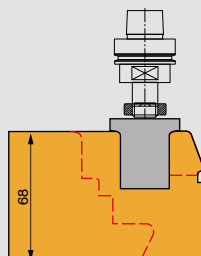
Cutter head for pre-moulding

Porte-outil calibrage



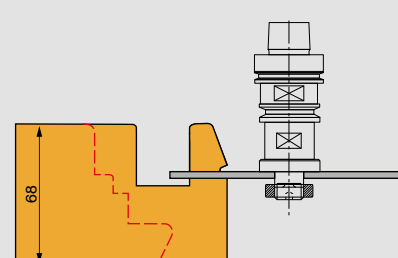
Milling the back of the glazing bead

Fraisage du dos de la parclose

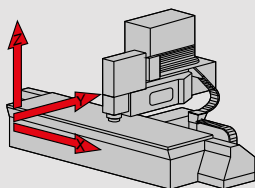


Resaw the glazing bead

Sciage parclose

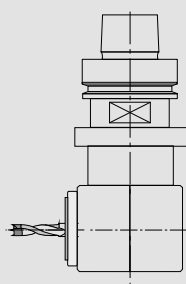


05



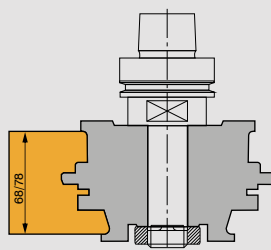
DÜB

Dowel drilling aggregate
Agréat pour mèche à percer



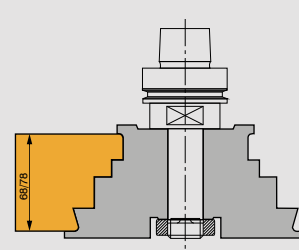
BKUQ

Frame counter top of sill - side for sill
Profilage du cadre et du côté pour le seuil



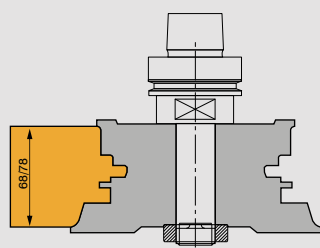
BKOQ

Frame counter - side for head jambs
Profilage montant



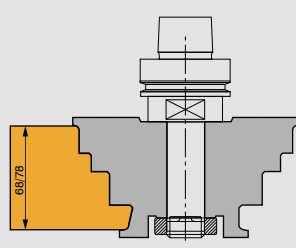
BU

Frame inside sill
Profilage intérieur du seuil



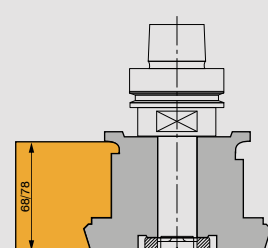
BS0

Frame inside - side and head jambs
Profilage montant



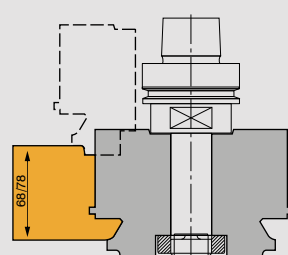
FKQ

Sash inside counter
Profilage intérieur



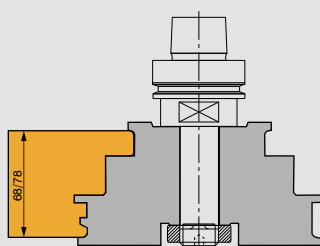
Fi

Sash inside
Profilage intérieur



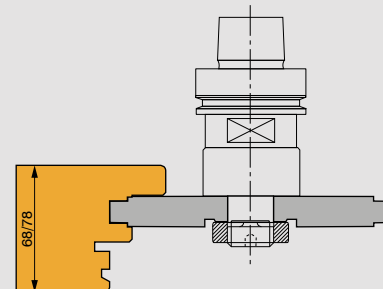
FA

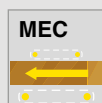
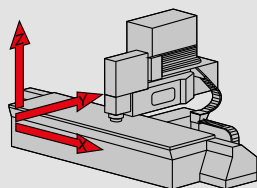
Sash outside
Profilage extérieur



KG

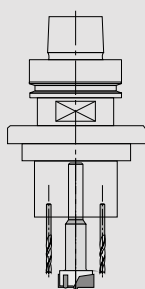
Sash outside groove for fittings (hardware)
Profilage extérieur pour crémonne





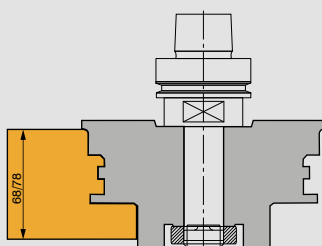
SCHA

Drilling set for lockcase
Perçage pour serrure et charnière



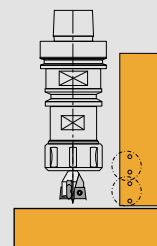
FAM

Sash outside stile for FRENCH window
Profilage montant extérieur ouvrant

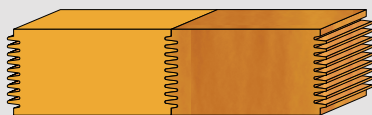


TOP

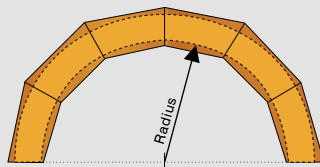
Hinge boring bit
Usinage pour charnière



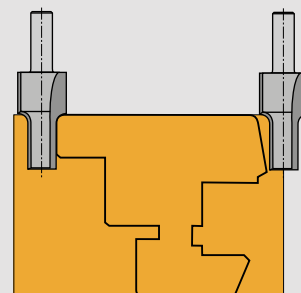
Glue joint cutterhead LH and RH
Joint collés LH et RH



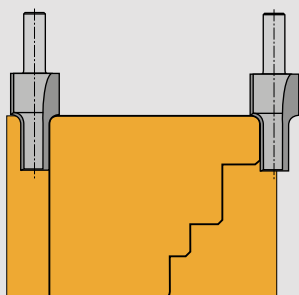
1-4 Arch preparation
Préparation fenêtre cintrée



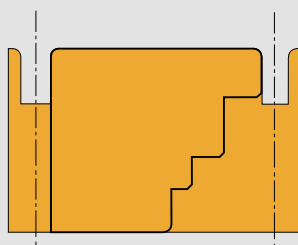
5 Sash out and inside
Usinage de ceinture intérieure et extérieure



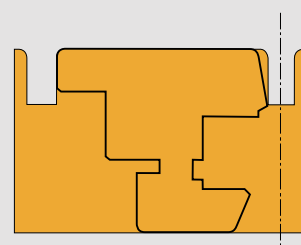
6 Frame out - and inside
Usinage de dormant intérieur et extérieur



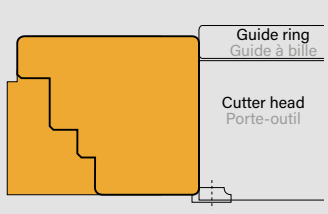
7 Separating cut remnant wood
Séparation des morceaux restant en bois



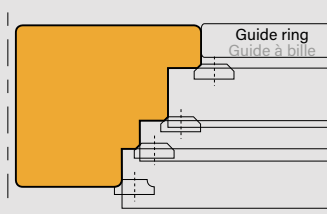
8 Separating cut remnant wood
Séparation des morceaux restant en bois



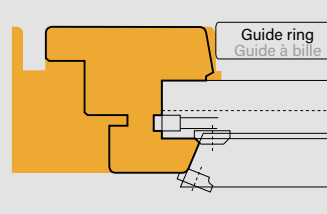
9 Frame outside
Dormant extérieure



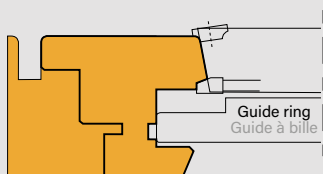
10 Frame inside
Dormant intérieur



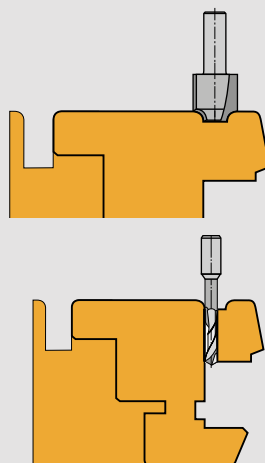
11 Sash inside glazing rebate outside part
Ouvrant intérieure feuillure pour vitrage partie extérieure



12 Sash inside glazing bead
Ouvrant intérieure parclose



13 Rabbet groove and cut out glazing bead
Rainure-feuillure parclose découpée



14 Sash outside
Ouvrant extérieur

