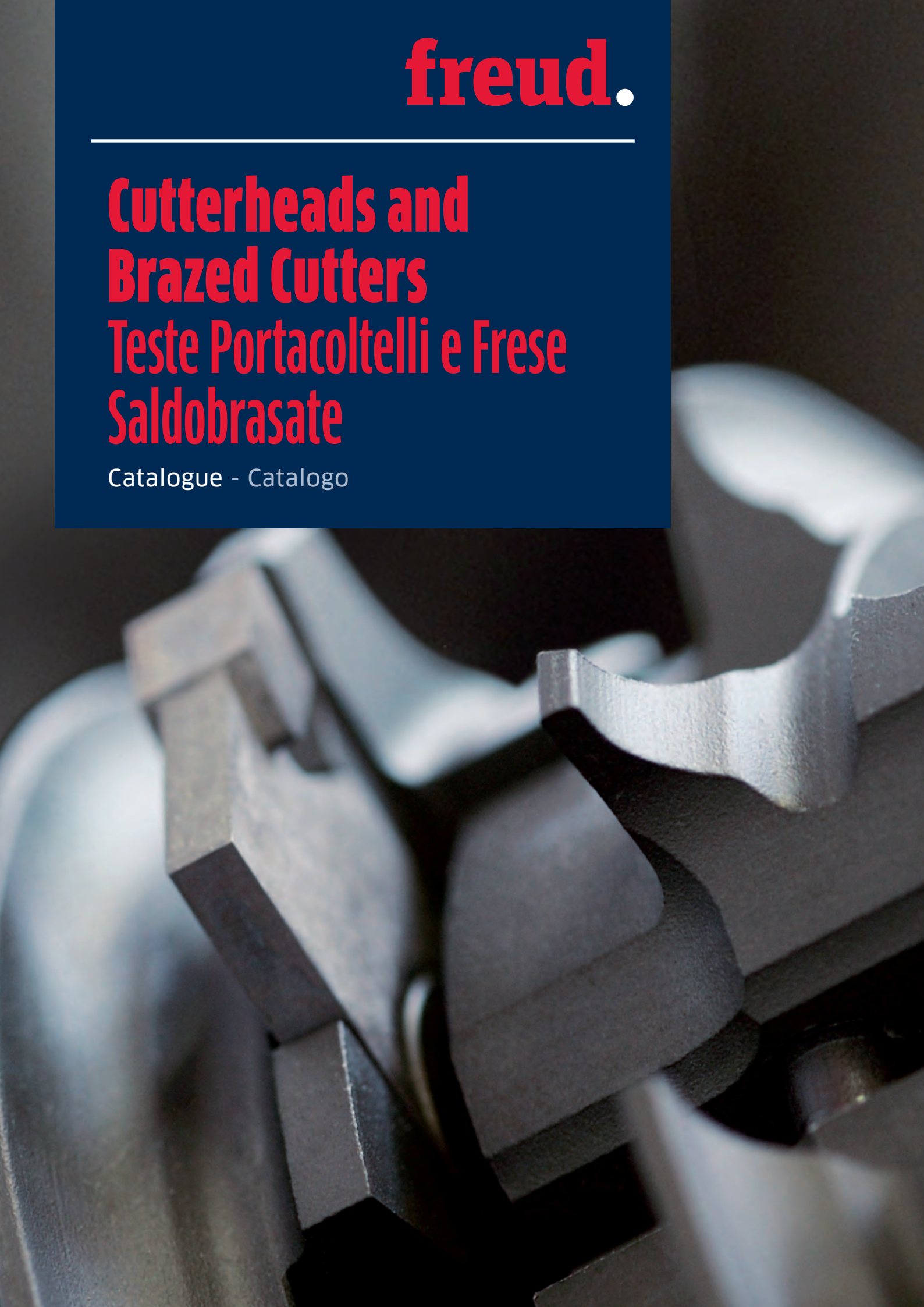


freud.

**Cutterheads and
Brazed Cutters
Teste Portacoltelli e Frese
Saldobrasate**

Catalogue - Catalogo



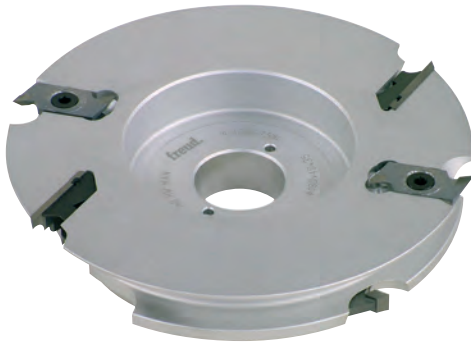
TP42M

Multiprofile cutterheads for doors Teste multiprofilo per porte

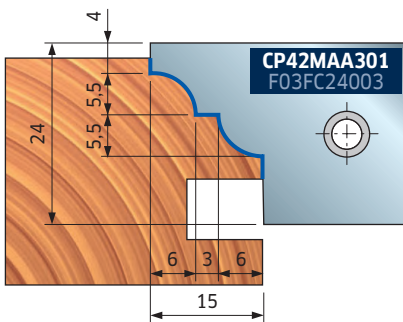
This tool is designed to be used on moulding. Mostly suitable for moulding and profiling on soft, hard and exotic wood, with a top quality finish. The tool's versatility allows you to produce 44 - 52 mm thick doors. This can be achieved with two passes and by capsiding the machined part for the second run, taking care to adjust the tool's programmed height accordingly. The variously profiled knives are perfectly interchangeable and do not affect the minimum tool diameter. Light alloy body (Aluminum alloy). For cleaning do not use products containing caustic soda. **This item is supplied without knives.**

Questo utensile è stato progettato per essere utilizzato su macchine toupie. Particolarmente indicato per la profilatura di legni teneri, duri ed esotici, con ottima finitura. La versatilità di questo utensile permette di produrre porte con spessori da 44 a 52 mm. Questo può essere ottenuto con due passate, capovolgendo la parte già lavorata per la seconda lavorazione ed avendo l'accortezza di regolare l'altezza di programmazione dell'utensile. I coltelli, di diverso profilo, sono perfettamente intercambiabili tra loro e mantengono il diametro minimo di lavorazione.

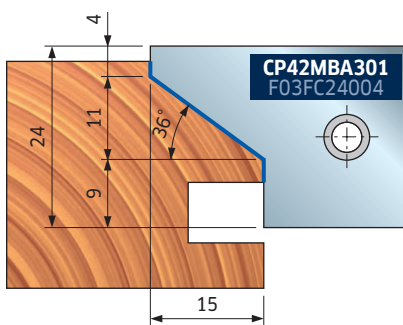
Corpo in lega leggera (Lega di alluminio). Per la pulizia non utilizzare prodotti contenenti soda caustica. **L'articolo viene fornito senza coltelli.**



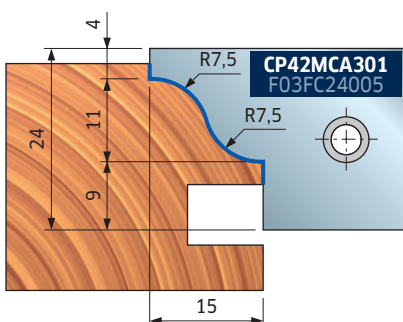
PROFILE / PROFILO 1



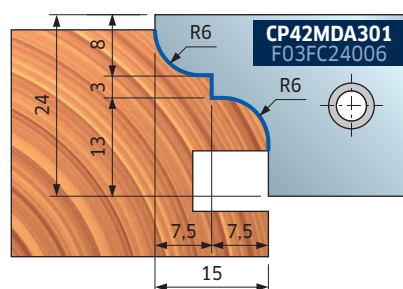
PROFILE / PROFILO 2



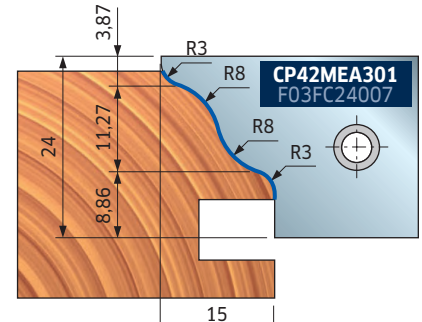
PROFILE / PROFILO 3



PROFILE / PROFILO 4



PROFILE / PROFILO 5



D mm	B mm	d* mm	Z	R	Max RPM 1/min.	Code Codice	SAP SAP
176	40	32	2	4	7.500	TP42M HC3	F03F668642
176	40	35 (50)	2	4	7.500	TP42M AB3	F03FC20494

Spare parts Parti di ricambio	Dimensions Dimensioni mm	Code Codice	SAP SAP
Screw / Vite	M5 x 7 x 16	VT08M AE9	F03FA04457
Wedge / Cuneo	21 x 19 x 8	CN13M AS9	F03FC01390
Screw / Vite	M10 x 18	VT03M CC9	F03FA04438
Spur insert / Inserto rasante	40 x 4 x 7	IG05MDAA305	F03FH02998
Screw / Vite	M6 x 14,5	VT16M AA9	F03FA04476
Grooving insert / Inserto per incastri	34 x 8 x 16	SR06MAM301	F03FC24192
Screw / Vite	M6 x 11,5	VT16M AB9	F03FA04477
Allen key / Chiave	4 x 110	CB03M BA9	F03FA00163
Allen key / Chiave	5 x 110	CB03M EA9	F03FA00169

Profile Profilo	Spare knives Coltelli di ricambio	Dimensions Dimensioni mm	Code Codice	SAP SAP
1	Knife / Coltello	24 x 34 x 3	CP42MAA301	F03FC24003
2	Knife / Coltello	24 x 34 x 3	CP42MBA301	F03FC24004
3	Knife / Coltello	24 x 34 x 3	CP42MCA301	F03FC24005
4	Knife / Coltello	24 x 34 x 3	CP42MDA301	F03FC24006
5	Knife / Coltello	24 x 34 x 3	CP42MEA301	F03FC24007



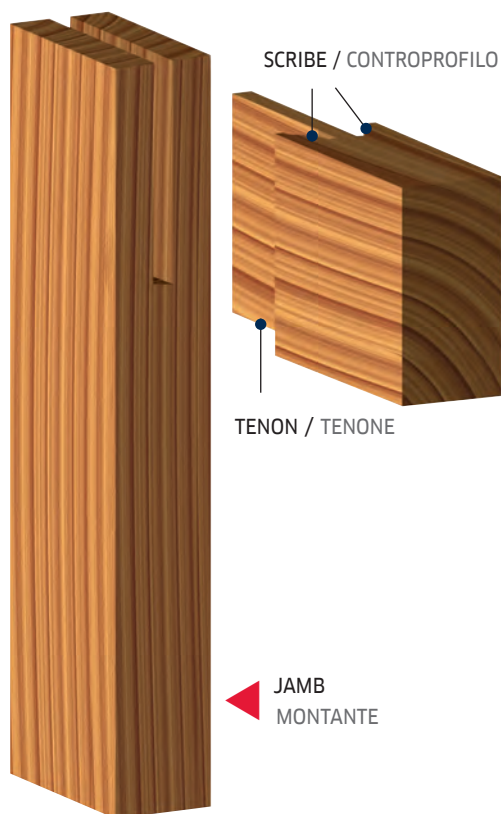
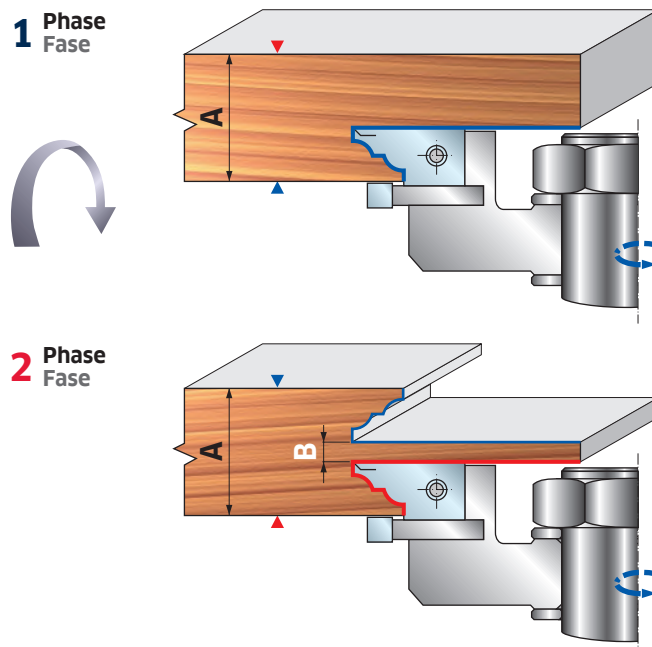
Profiles **4** and **5** are usable with automatic feed only.

I profili **4** e **5** sono utilizzabili solamente con avanzamento meccanico.

TP42M

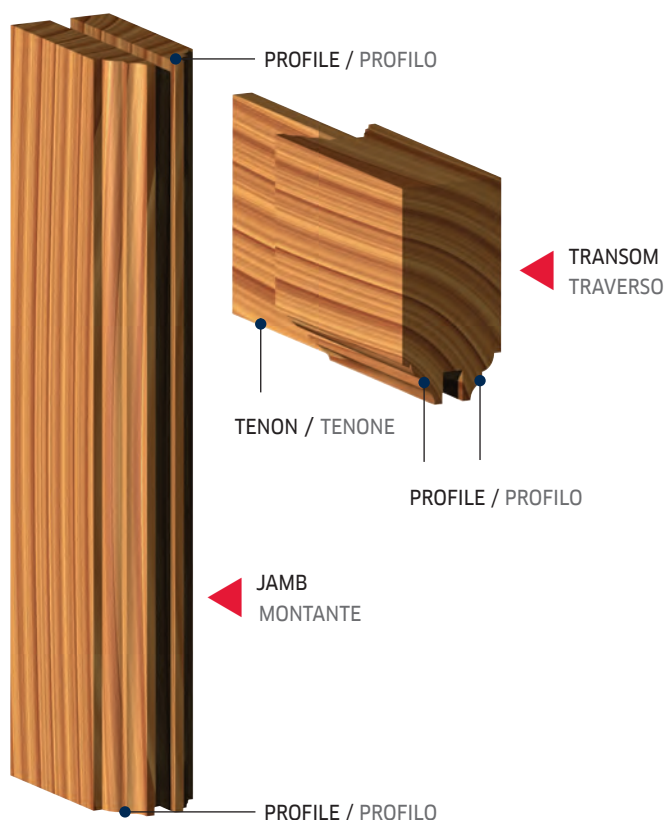
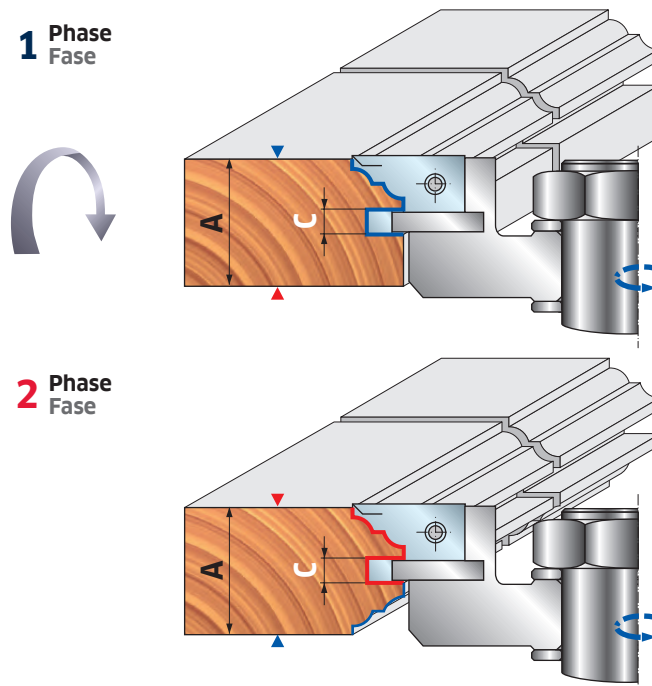
1 Door tenoning Esecuzione del controprofilo con spina

A	Door thickness Spessore Porta mm	B	Tenon thickness Spessore Tenone mm
	44		8
	46		10
	50		14
	52		16



2 Door frame profiling Profilatura dei montanti e dei traversi

A	Door thickness Spessore Porta mm	C	Groove thickness Spessore Incastro mm
	44		8
	46		10
	50		14
	52		16



TP46MAN



Flanges for TP46M sets Flange per gruppi TP46M

D mm	S mm	d mm	Code Codice	SAP SAP
174	18	30	TP46M AA3	F03FC20506
174	18	30	TP46M AD3	F03FC20509
174	18	32	TP46M AE3	F03FC24454
174	18	32	TP46M AH3	F03FC24457

Multiprofile cutterheads sets for doors (38-40 mm) Gruppi di teste per porte con spessore 38-40 mm

Please Note: To obtain a workpiece of 40 mm, use a spacer of 2 mm.

These sets are supplied with knives. Light alloy body (Aluminum alloy). For cleaning do not use products containing caustic soda.

N.B.: Per lo spessore legno da 40 mm, usare l'anello distanziale da 2 mm.

I gruppi vengono forniti con coltelli. Corpo in lega leggera (Lega di alluminio). Per la pulizia non utilizzare prodotti contenenti soda caustica.

TP46MAN sets for manual feed - Set TP46MAN per avanzamento manuale

Profile Profilo	D mm	d* mm	Z	I	Max RPM 1/min.	Code Codice	SAP SAP
1	170	30 (35)	4	8	7.500	TP46MAN001	F03FC20510
2	170	30 (35)	4	8	7.500	TP46MAN002	F03FC20511
3	170	30 (35)	4	8	7.500	TP46MAN003	F03FC20512
4	170	30 (35)	4	8	7.500	TP46MAN004	F03FC20513
5	170	30 (35)	4	8	7.500	TP46MAN005	F03FC20514
6	170	30 (35)	4	8	7.500	TP46MAN006	F03FC20515
7	170	30 (35)	4	8	7.500	TP46MAN007	F03FC20516
8	170	30 (35)	4	8	7.500	TP46MAN008	F03FC20517
1	170	32	4	8	7.500	TP46MAN321	F03FC24458
2	170	32	4	8	7.500	TP46MAN322	F03FC24459
3	170	32	4	8	7.500	TP46MAN323	F03FC24460
4	170	32	4	8	7.500	TP46MAN324	F03FC24461
5	170	32	4	8	7.500	TP46MAN325	F03FC24462
6	170	32	4	8	7.500	TP46MAN326	F03FC24463
7	170	32	4	8	7.500	TP46MAN327	F03FC24464
8	170	32	4	8	7.500	TP46MAN328	F03FC24465

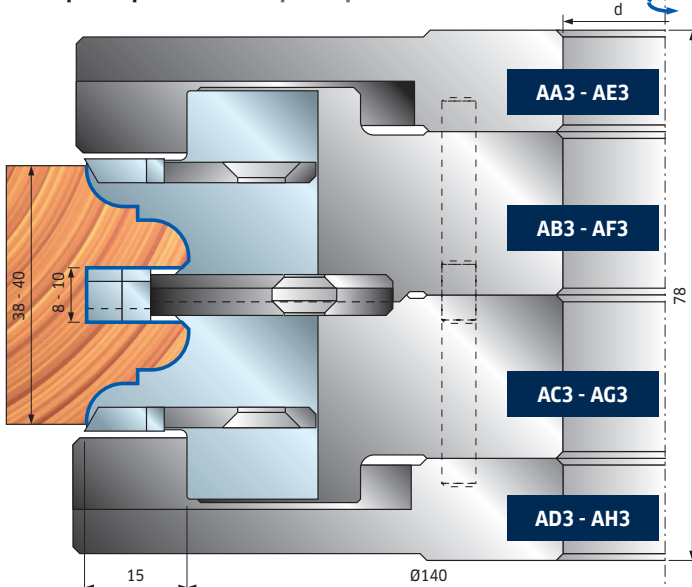
Cutterheads for TP46M sets - Teste per gruppi TP46M

D mm	B mm	d mm	Z	R	Max RPM 1/min.	Code Codice	SAP SAP
170	31,5	30	2	4	8.300	TP46M AB3	F03FC20507
170	31,5	30	2	4	8.300	TP46M AC3	F03FC20508
170	31,5	32	2	4	8.300	TP46M AF3	F03FC24455
170	31,5	32	2	4	8.300	TP46M AG3	F03FC24456

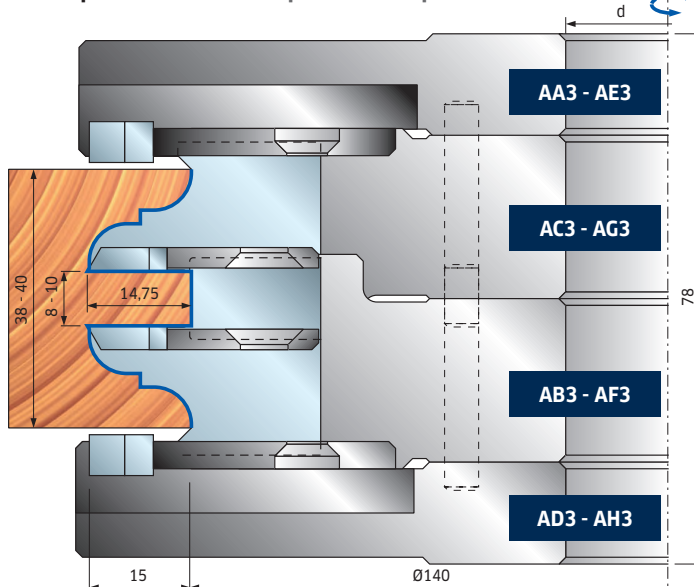
See page 73 for spare parts.

Per le parti di ricambio fare riferimento alla tabella a pag. 73.

Example of profile - Esempio di profilo



Example of scribe - Esempio di controprofilo

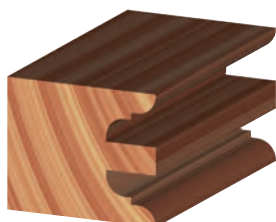
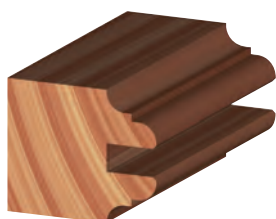


TP46MEC

Multiprofile cutterheads sets for doors (38-40 mm) Gruppi di teste per porte con spessore 38-40 mm

TP46MEC sets for automatic feed

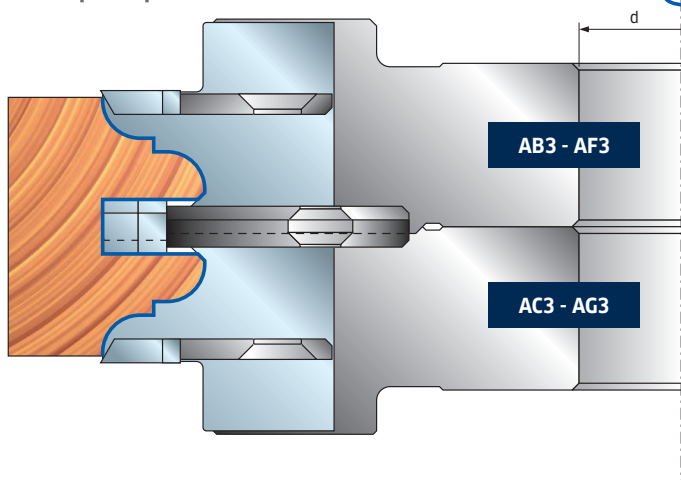
Set TP46MEC per avanzamento meccanico



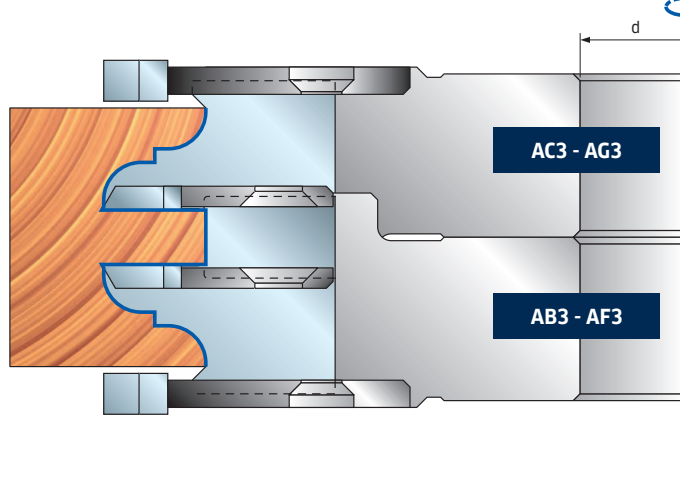
Profile Profilo	D mm	d* mm	Z	I	Max RPM 1/min.	Code Codice	SAP SAP
1	170	30 (35)	4	8	7.500	TP46MEC001	F03FC20518
2	170	30 (35)	4	8	7.500	TP46MEC002	F03FC20519
3	170	30 (35)	4	8	7.500	TP46MEC003	F03FC20520
4	170	30 (35)	4	8	7.500	TP46MEC004	F03FC20521
5	170	30 (35)	4	8	7.500	TP46MEC005	F03FC20522
6	170	30 (35)	4	8	7.500	TP46MEC006	F03FC20523
7	170	30 (35)	4	8	7.500	TP46MEC007	F03FC20524
8	170	30 (35)	4	8	7.500	TP46MEC008	F03FC20525
1	170	32	4	8	7.500	TP46MEC321	F03FC24466
2	170	32	4	8	7.500	TP46MEC322	F03FC24467
3	170	32	4	8	7.500	TP46MEC323	F03FC24468
4	170	32	4	8	7.500	TP46MEC324	F03FC24469
5	170	32	4	8	7.500	TP46MEC325	F03FC24470
6	170	32	4	8	7.500	TP46MEC326	F03FC24471
7	170	32	4	8	7.500	TP46MEC327	F03FC24472
8	170	32	4	8	7.500	TP46MEC328	F03FC24473

	Spare parts Parti di ricambio	Dimensions Dimensioni mm	Code Codice	SAP SAP
	Spacer / Anello	50 x 2 x 30	AN01MA0209	F03FC00035
	Spacer / Anello	52 x 2 x 32	AN01MX0209	F03FC24489
	Allen key / Chiave	4 x 110	CB03M BA9	F03FA00163
	Allen key / Chiave	5 x 110	CB03M EA9	F03FA00169
	Torx key / Chiave Torx	T20	CB03M CC9	F03FA00167
AB3 - AF3	Wedge / Cuneo	28 x 34,5 x 8	CN46M 001	F03FC01438
	Spur insert / Inserto rasante	34 x 3,5 x 16	SR06MDBA302	F03FC24197
	Sector / Settore	25 x 45 x 6 Z1	SR11MSBE301	F03FC24212
	Screw / Vite	M5 x 8	VT05M AA9	F03FA04444
	Screw / Vite	M6 x 13	VT16M AE9	F03FC20658
	Positioning plate / Piastrina di riscontro	22 x 1,7 x 6,5	VT18M GA9	F03FA04488
AC3 - AG3	Screw / Vite	M10 x 16	2616M EE9	F03FA07426
	Wedge / Cuneo	28 x 34,5 x 8	CN46M 002	F03FC01439
	Spur insert / Inserto rasante	34 x 3,5 x 16	SR06MSBA302	F03FC24200
	Sector / Settore	25 x 45 x 6 Z1	SR11MDBE301	F03FC24207
	Screw / Vite	M5 x 8	VT05M AA9	F03FA04444
	Screw / Vite	M6 x 11,5	VT16M AB9	F03FA04477
	Positioning plate / Piastrina di riscontro	22 x 1,7 x 6,5	VT18M GA9	F03FA04488
	Screw / Vite	M10 x 16	2616M EE9	F03FA07426

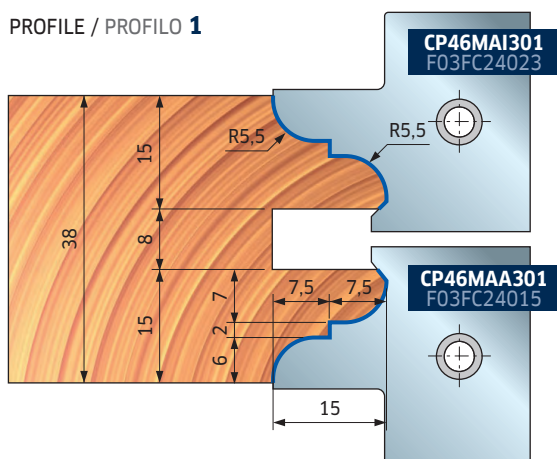
Example of profile
Esempio di profilo



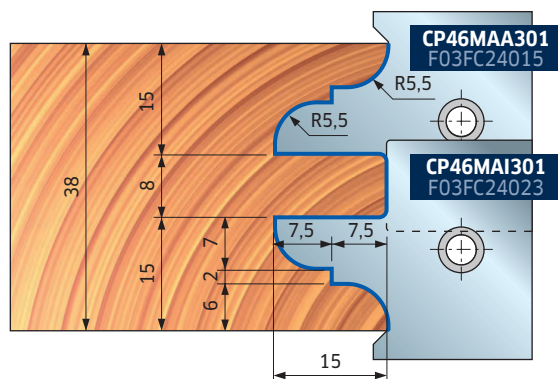
Example of scribe
Esempio di controprofilo



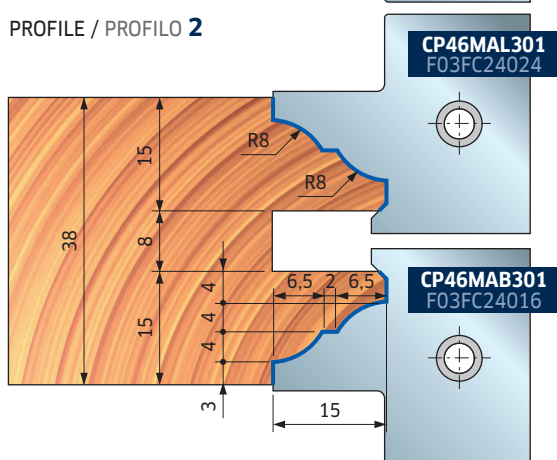
PROFILE / PROFILO 1



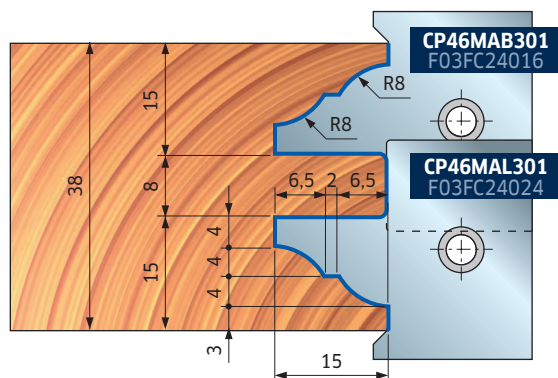
SCRIBE / CONTROPROFILO 1



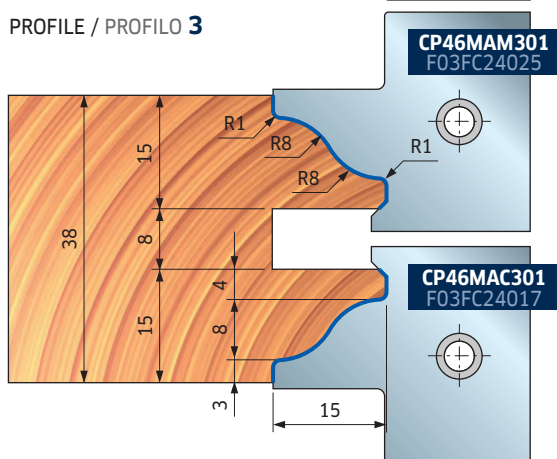
PROFILE / PROFILO 2



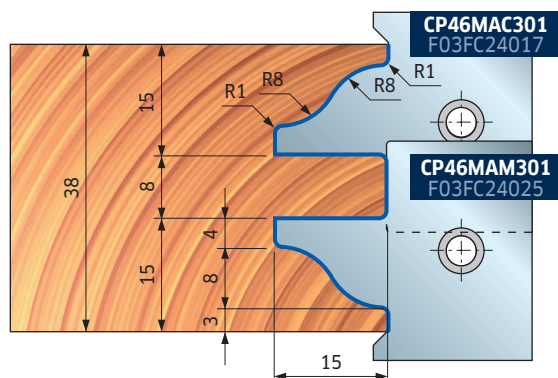
SCRIBE / CONTROPROFILO 2



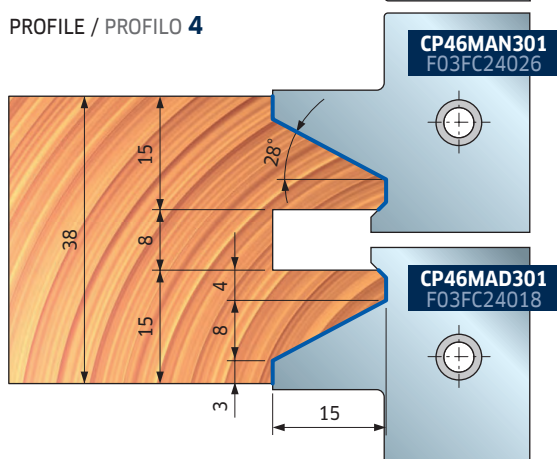
PROFILE / PROFILO 3



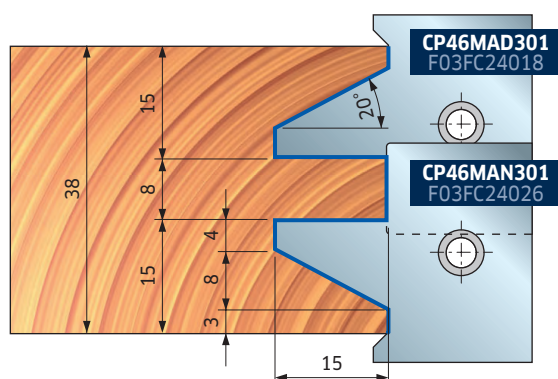
SCRIBE / CONTROPROFILO 3



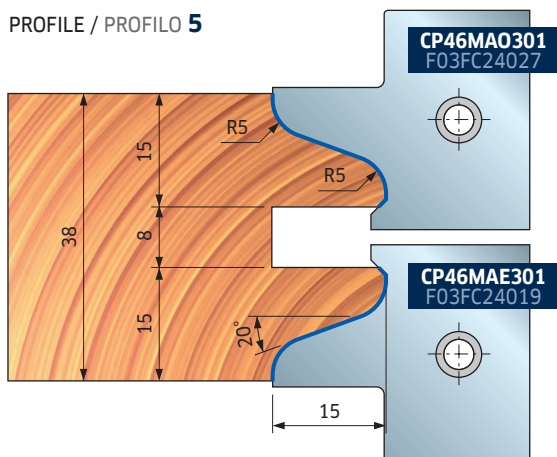
PROFILE / PROFILO 4



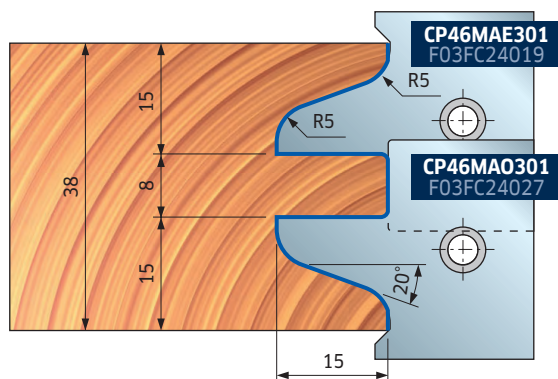
SCRIBE / CONTROPROFILO 4



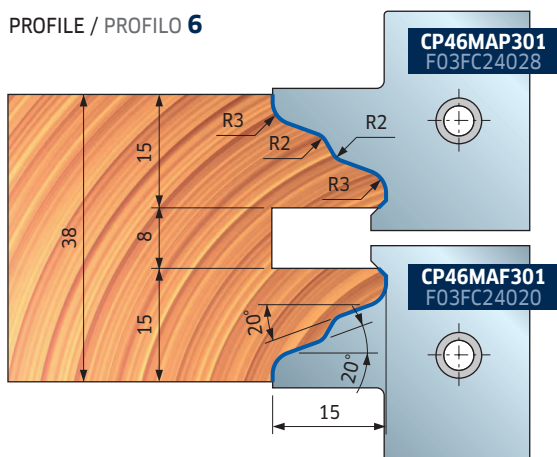
PROFILE / PROFILO 5



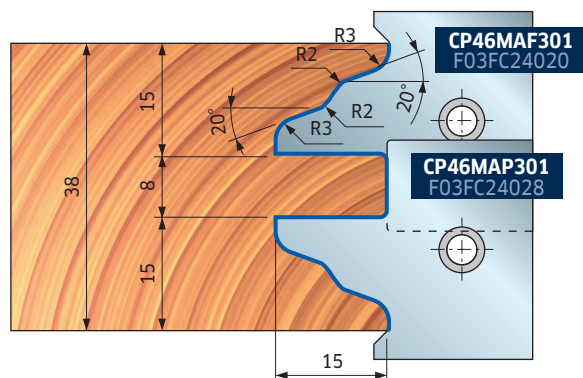
SCRIBE / CONTROPROFILO 5



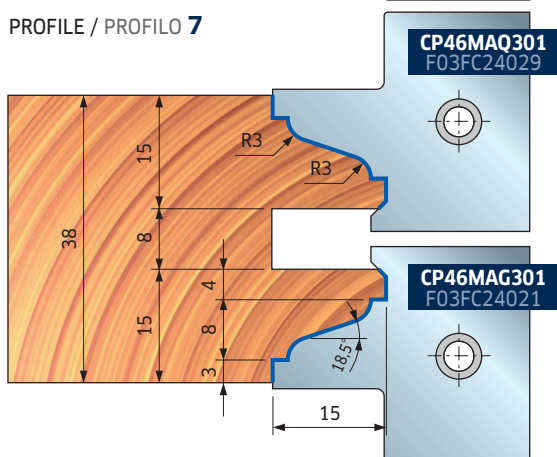
PROFILE / PROFILO 6



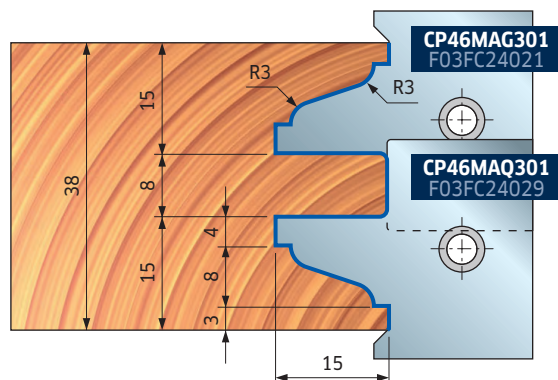
SCRIBE / CONTROPROFILO 6



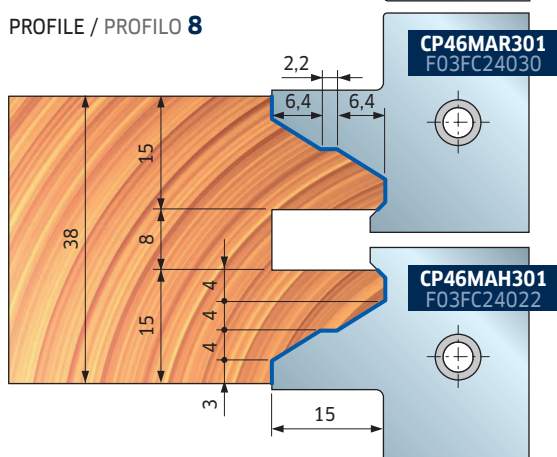
PROFILE / PROFILO 7



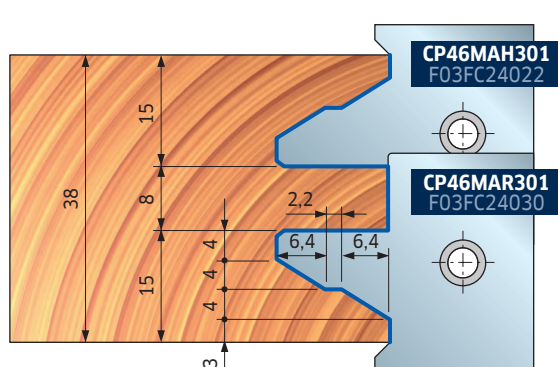
SCRIBE / CONTROPROFILO 7



PROFILE / PROFILO 8



SCRIBE / CONTROPROFILO 8



TD60M



Doors frames profiles cutterheads Teste per profili di telai e mostrine di porte

Panel sizing cutterhead with profiled knives suitable for door frames and door frame covers profiles. To be used on moulders. This tool is particularly suitable for moulding and profiling on hard and exotic wood, to produce door frames with rounded profile. Top quality finish.

The profiling of the door frame covers is achieved with two passes and without altering the tool's position with respect to the working surface.

Light alloy body (Aluminum alloy). For cleaning do not use products containing caustic soda.

Piattabanda con coltelli sagomati per profili di telai e mostrine di porte. Da utilizzare su macchina tosupie. Particolarmente adatta per lavorazioni di contornatura e profilatura su legni duri ed esotici, per l'esecuzione di telai di porte con profilo raggiato, con ottima finitura.

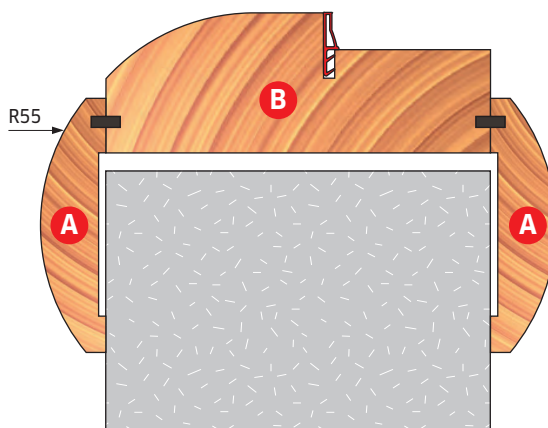
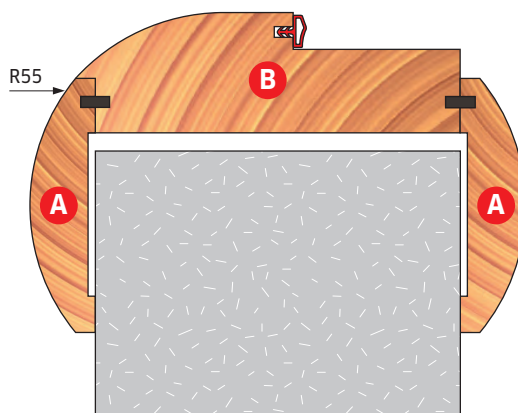
La profilatura delle mostrine viene eseguita in doppia passata, senza modificare il posizionamento dell'utensile rispetto al piano di lavoro.

Corpo in lega leggera (Lega di alluminio). Per la pulizia non utilizzare prodotti contenenti soda caustica.

D mm	B mm	d* mm	Z	R	Max RPM 1/min.	Code Codice	SAP SAP
200	60	32	3		7.000	TD60M AC3	F03F668631
200	60	35 (40)	3		7.000	TD60M AB3	F03FC20222

Spare parts Parti di ricambio	Dimensions Dimensioni mm	Code Codice	SAP SAP
Knife / Coltello	55 x 35 x 3	CT60MAA301	F03FC24114
Wedge / Cuneo	50 x 23 x 8	CN60M AA9	F03FC01446
Screw / Vite	M10 x 25	2602M FI9	F03FA07353
Screw / Vite	M8 x 10 x 22	VT08M AD9	F03FA04456
Allen key / Chiave	5 x 110	CB03M EA9	F03FA00169

Example of door frames Esempi di telai realizzabili



* Size shown between brackets is the max. rebore possible • La quota tra parentesi è la massima allargatura foro possibile

TP48M

ISOprofil cutterheads for doors frames Teste ISOprofil per battute porte

Tool suitable for solid wood jamb board rebate machining.

Utensile per la lavorazione della battuta sullo stipite della porta in legno massiccio.



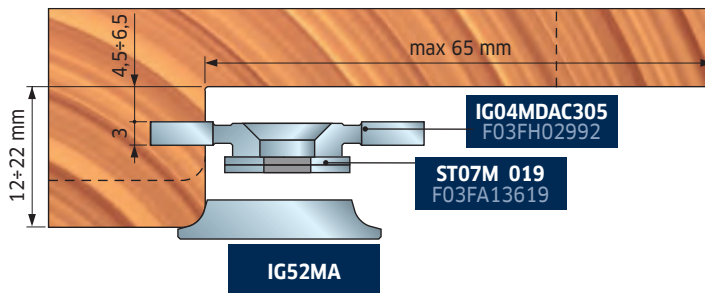
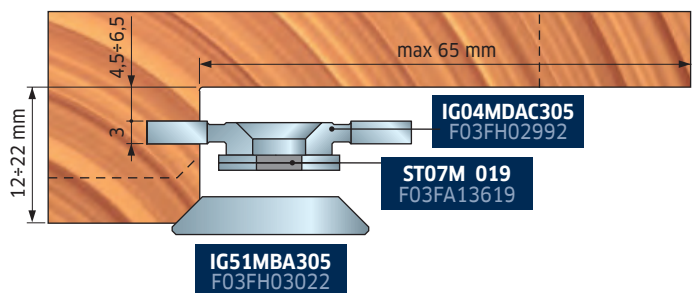
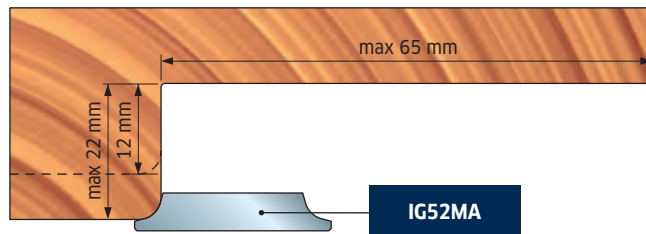
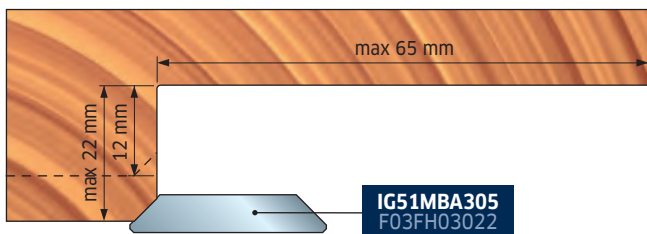
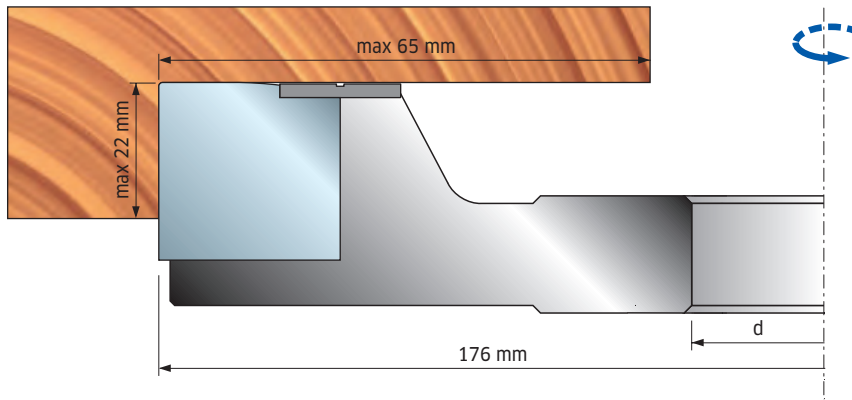
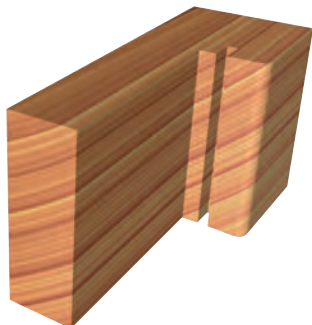
D mm	B mm	d* mm	Z	R	Max RPM 1/min.	Code Codice	SAP SAP
176	23,5	35 (50)	2		8.000	TP48M AB3	F03F664005

Spare parts Parti di ricambio	Dimensions Dimensioni mm	Code Codice	SAP SAP
Knife / Coltello	24 x 24 x 3	CP48MAA301	F03FC24310
Positioning plate / Piastrina di riscontro	22 x 1,7 x 6,5	VT18M GA9	F03FA04488
Screw / Vite	M5 x 8	VT05M AA9	F03FA04444
Screw / Vite	M10 x 16	2616M EE9	F03FA07426
Wedge / Cuneo	28 x 9,5 x 8	CN03M BB9	F03FA00585
Screw / Vite	M8 x 22	VT19M BB9	F03FA04493

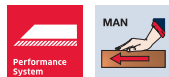
Tool with seat pockets for the following inserts (not included):

Utensile con sedi per il montaggio dei seguenti inserti (non inclusi):

Optional parts Articoli opzionali	Dimensions Dimensioni mm	Code Codice	SAP SAP
Rounding insert / Inserto raggatore	22 x 16 x 5 R=1,5	IG52MAB305	F03FH03023
Rounding insert / Inserto raggatore	22 x 16 X 5 R=2	IG52MAC305	F03FH03024
Rounding insert / Inserto raggatore	22 x 16 X 5 R=3	IG52MAE305	F03FH03025
Bevelling insert / Inserto smussatore	22 x 16 x 5 45°	IG51MBA305	F03FH03022
Spacer for inserts / Anello per inserti	13,6 x 0,1 x 7	ST07M 019	F03FA13619
Grooving insert / Inserto per incastri	40 x 16 x 3	IG04MDAC305	F03FH02992
Screw for IG51-IG52 / Vite per IG51-IG52	M6 x 13	VT16M AE9	F03FC20658
Screw for IG04MD / Vite per IG04MD	M6 x 14,5	VT16M AA9	F03FA04476



TD61M



Doors frames profiles cutterheads Teste per profili di telai di porte

Cutterhead TD61M AA3 is supplied without knives.

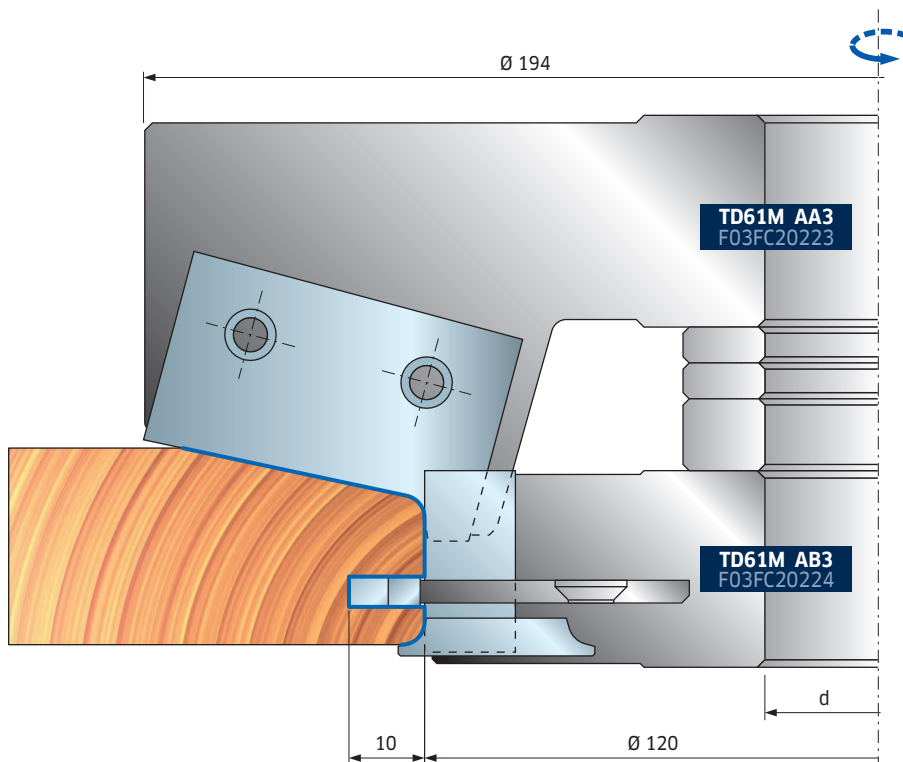
Light alloy body (Aluminum alloy). For cleaning do not use products containing caustic soda.

L'articolo TD61M AA3 viene fornito senza coltelli.

Corpo in lega leggera (Lega di alluminio). Per la pulizia non utilizzare prodotti contenenti soda caustica.

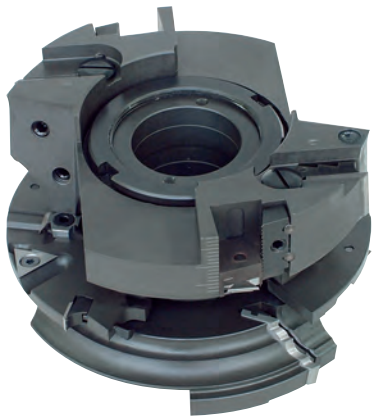
D mm	B mm	d* mm	Z	R	Max RPM 1/min.	Code Codice	SAP SAP
194	59	30 (40)	2		7.000	TD61M AA3	F03FC20223
140	25	30 (40)	2	4	8.800	TD61M AB3	F03FC20224

		Spare parts Parti di ricambio	Dimensions Dimensioni mm	Code Codice	SAP SAP
AA3		Screw / Vite	M10 x 18	VT03M CC9	F03FA04438
		Screw / Vite	M8 x 10 x 22	VT08M AD9	F03FA04456
		Knife / Coltello	24 x 12 x 1,5	CG01MOA310	F03FH02875
		Wedge / Cuneo	15 x 20 x 8	CN09MD AK9	F03FC01304
AB3		Nut / Ogiva	15 x 13,3 x 10	VT20M MA9	F03FC20670
		Screw / Vite	M10 x 22	VT19M MA9	F03FA04496
		Sector / Settore	25 x 45 x 4 Z1	SR11MDBC301	F03FC24205
		Screw / Vite	M5 x 8	VT05M AA9	F03FA04444
		Rounding insert / Inserto raggatore	26 x 16 x 5 R3	IG62MSAE305	F03FH03033
		Screw for: / Vite per: IG62MS	M6 x 14,5	VT16M AA9	F03FA04476



* Size shown between brackets is the max. rebore possible • La quota tra parentesi è la massima allargatura foro possibile

ST12MG



BF10MD sleeve and knives for cutterheads HA3 and HC3 are not included.

La bussola BF10MD ed i coltelli per gli utensili HA3 e HC3 vanno ordinati a parte.

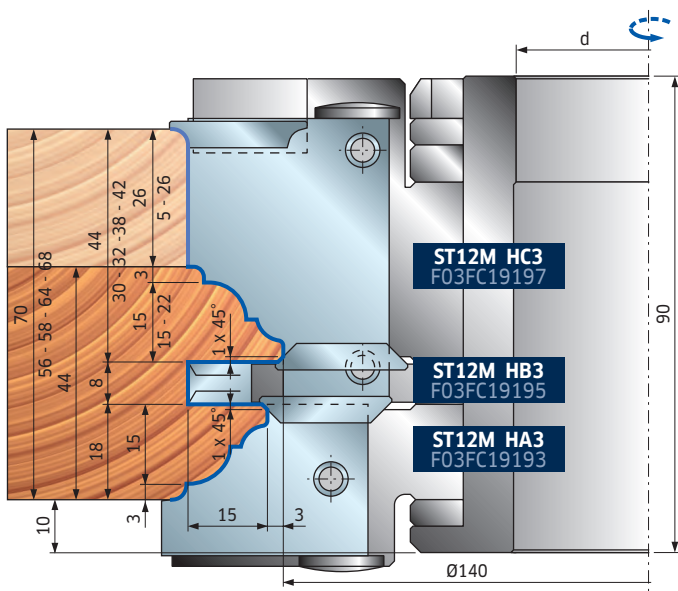
Dimensions Dimensioni mm	Sleeve code Codice bussola	SAP SAP
Ø70 x 90 x 30	BF10MD EA9	F03FC24536
Ø70 x 90 x 32	BF10MD EL9	F03FC24537
Ø70 x 90 x 35	BF10MD EB9	F03FC00633
Ø70 x 90 x 40	BF10MD EC9	F03FC00634
Ø70 x 90 x 50	BF10MD ED9	F03FC00635

Wood thickness Spessore legno mm	Double-glazing thickness adj. Reg. vetrocamera mm
44	5 ÷ 8
56	13 ÷ 20
58	15 ÷ 22
64	21 ÷ 28
68	25 ÷ 32
70	27 ÷ 34

Set / Gruppo ST12MG-800

No. 6+6 interchangeable profiles.

N. 6+6 profili intercambiabili.



Profiling cutterheads sets for internal and external doors Gruppi di teste per profili di porte interne e portoncini

Tool set zero diameter: 140 mm

Diametro di programmazione: 140 mm

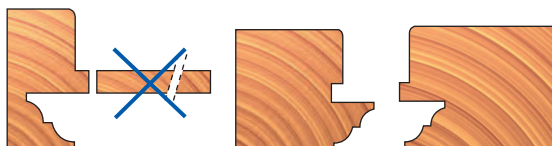
D mm	B mm	d mm	Z	R	Max RPM 1/min.	Code Codice	SAP SAP
186					7.300	ST12MG 800	F03FC19647
186					7.300	ST12MG 801	F03FC19648

Tools for ST12MG-800 and ST12MG-801 sets

Utensili per gruppi ST12MG-800 e ST12MG-801

D mm	B mm	d mm	Z	R	Code Codice	SAP SAP
186	29	70	2		ST12M HA3	F03FC19193
176	8	70	2	8	ST12M HB3	F03FC19195
176	58,5	70	2		ST12M HC3	F03FC19197
184	8	70	2	8	ST12M HD3	F03FC19199

	Spare parts Parti di ricambio	Dimensions Dimensioni mm	Code Codice	SAP SAP
HA3	Screw / Vite	M10 x 18	VT03M CC9	F03FA04438
	Screw / Vite	M5 x 7 x 16	VT08M AE9	F03FA04457
	Screw / Vite	M10 x 18	VT03M CC9	F03FA04438
	Screw / Vite	M5 x 7 x 16	VT08M AE9	F03FA04457
HC3	Rounding insert / Inserto raggatore	22 x 16 X 5	IG52MAE305	F03FH03025
	Screw / Vite	M6 x 13	VT16M AE9	F03FC20658
	Wedge / Cuneo	28 x 9,5 X 8	CN03M BB9	F03FA00585
	Screw / Vite	M8 x 22	VT19M BB9	F03FA04493
HB3 - HD3	Knife / Coltello	7,6 x 12 x 1,5	CG06MHA310	F03FH02897
	Wedge / Cuneo	15 x 7,2 x 8	CN09M DA9	F03FC01295
	Screw / Vite	M5 x 19	VT11M AA9	F03FA04468
	Spur / Rasante	22,86 x 2,5	RG02MAA305	F03FH03041
	Screw / Vite	M5 x 6	VT05M AC9	F03FA04446
	Bevelling insert / Inserto smussatore	22 x 16 x 5	IG51MBA305	F03FH03022
	Screw / Vite	M6 x 11,5	VT16M AB9	F03FA04477

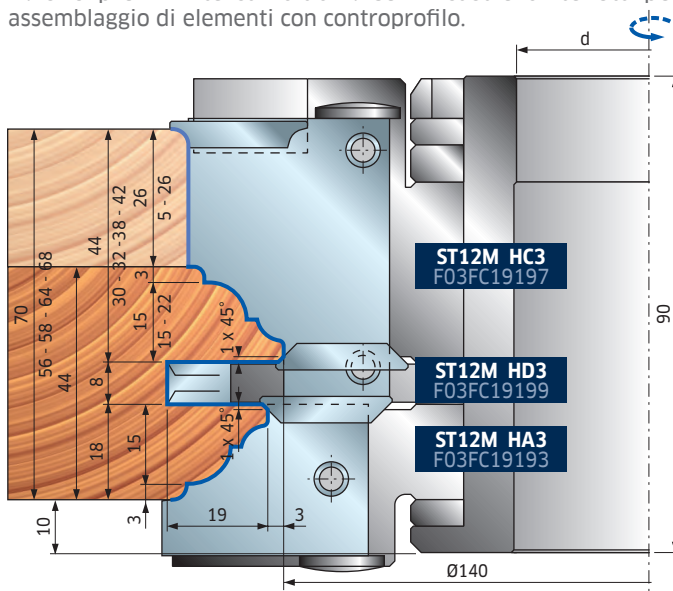


Traversi e montanti intermedi con il gruppo ST12MG-801: Tagliando la spina maschio come illustrato, si ottiene il controprofilo con spinetta di tenuta.

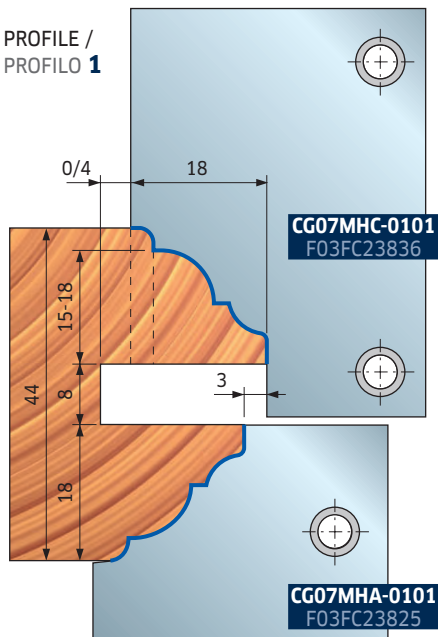
Set / Gruppo ST12MG-801

No. 6+6 interchangeable profiles. With anti-torsion pin for assembly of elements with counter profile.

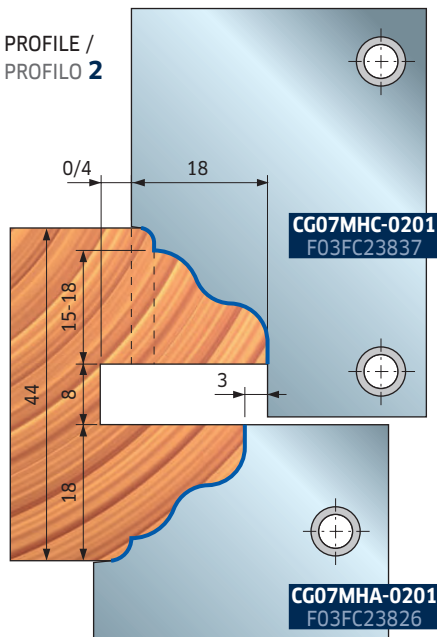
N. 6+6 profili intercambiabili. Con incastro di tenuta per assemblaggio di elementi con controprofilo.



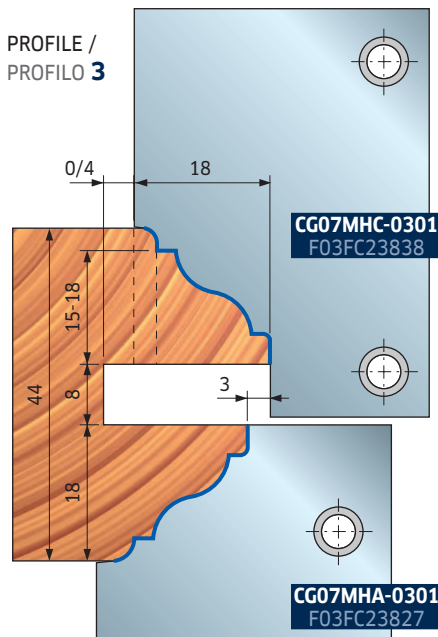
PROFILE /
PROFILO 1



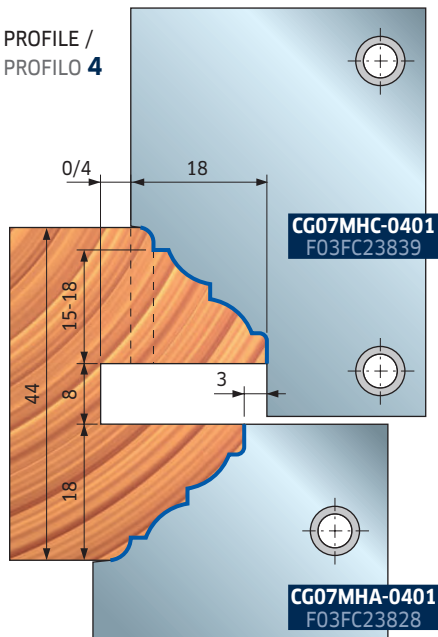
PROFILE /
PROFILO 2



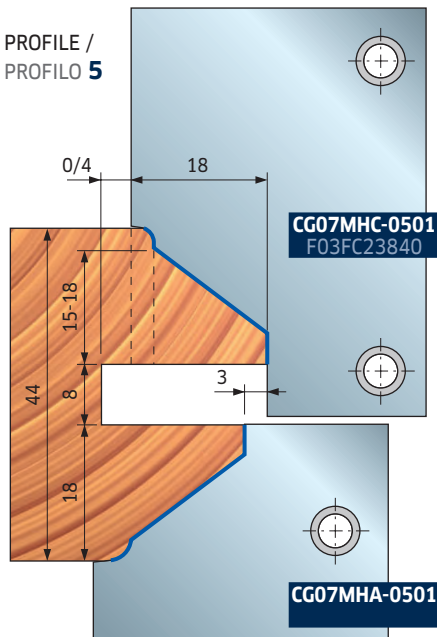
PROFILE /
PROFILO 3



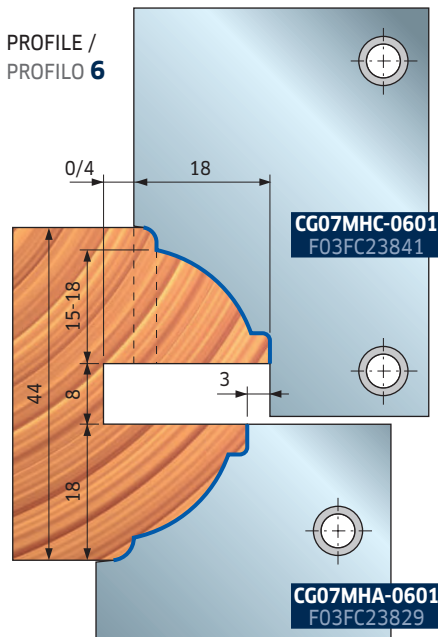
PROFILE /
PROFILO 4



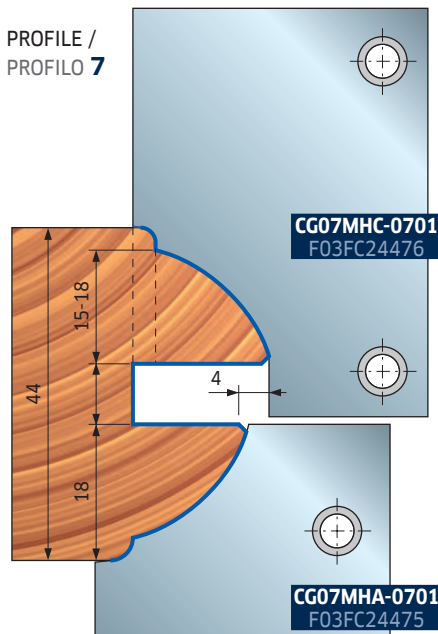
PROFILE /
PROFILO 5



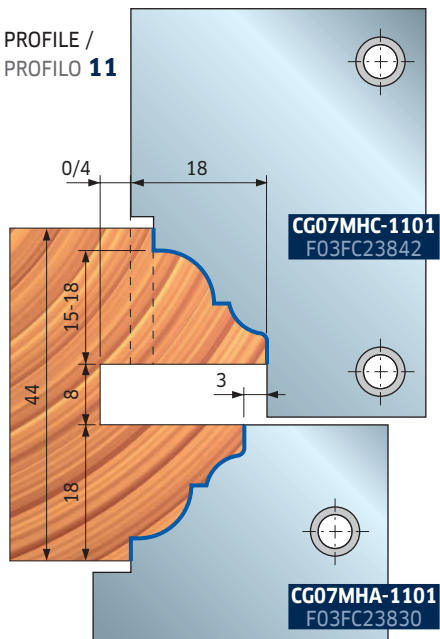
PROFILE /
PROFILO 6



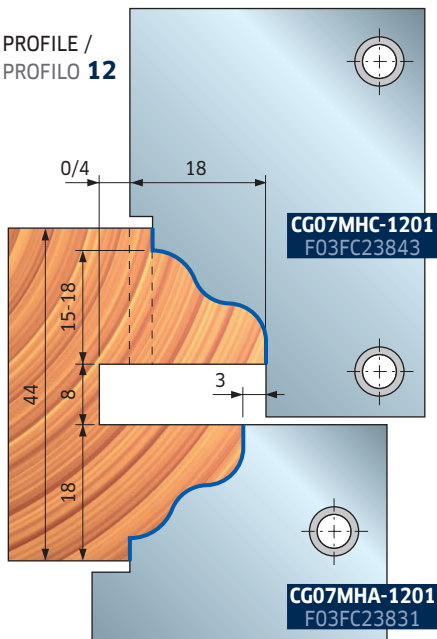
PROFILE /
PROFILO 7



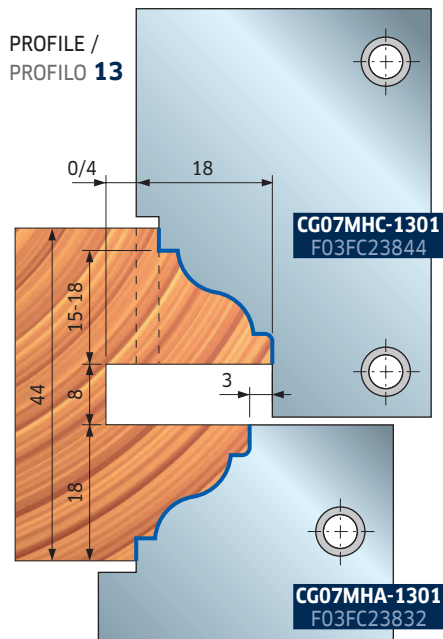
PROFILE /
PROFILO **11**



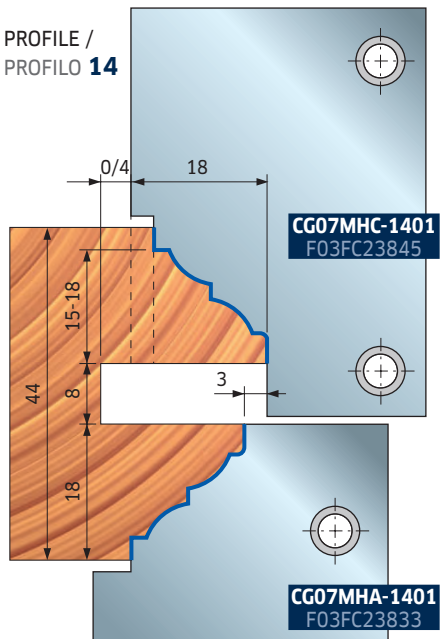
PROFILE /
PROFILO **12**



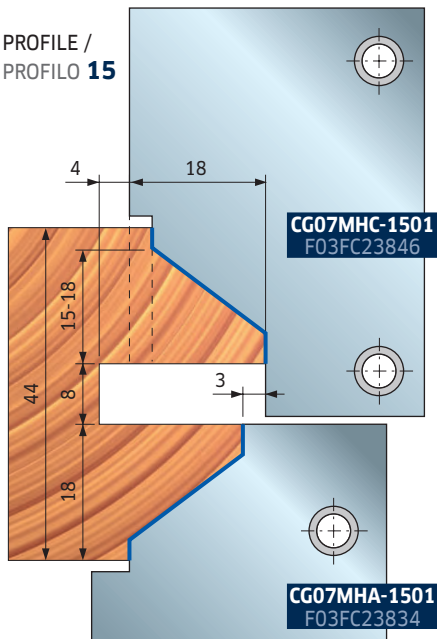
PROFILE /
PROFILO **13**



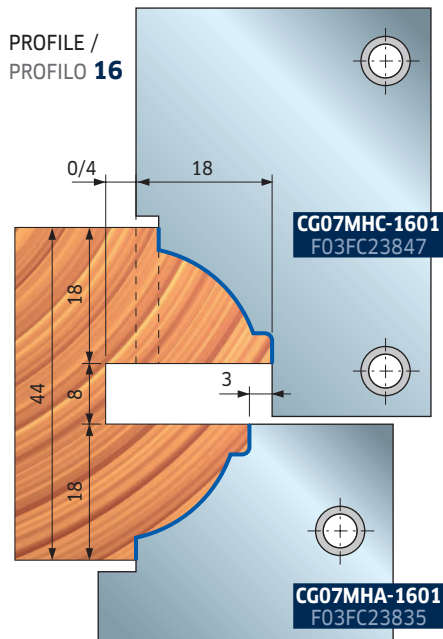
PROFILE /
PROFILO **14**



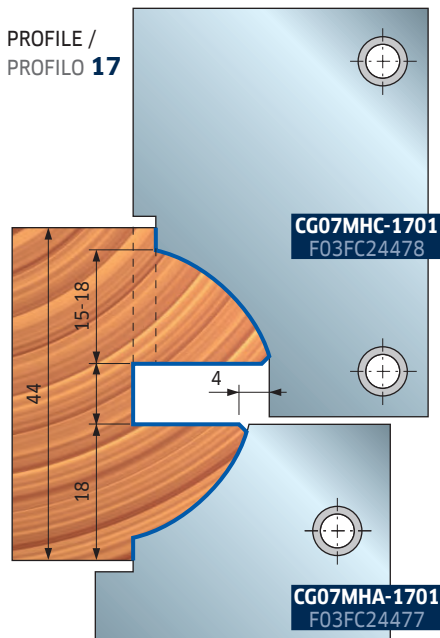
PROFILE /
PROFILO **15**



PROFILE /
PROFILO **16**



PROFILE /
PROFILO **17**



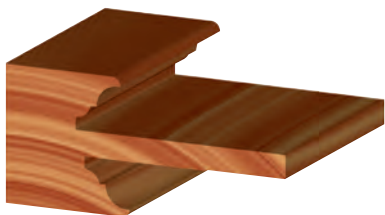
ST12MG



Set / Gruppo ST12MG-820

Example of scribe with single tenon, obtainable with ST12MG-820 set (see following page).

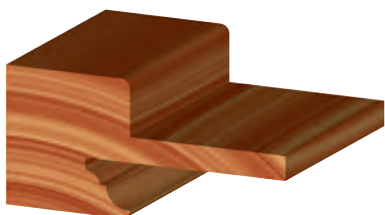
Esempio di controprofilo con spina semplice ottenibile con il gruppo ST12MG-820 (vedi pagina seguente).



Set / Gruppo ST12MG-821

Example of scribe with single tenon, obtainable with ST12MG-821 set (see following page).

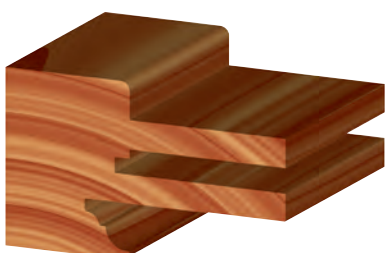
Esempio di controprofilo con spina semplice ottenibile con il gruppo ST12MG-821 (vedi pagina seguente).



Set / Gruppo ST12MG-822

Example of scribe with double tenon, obtainable with ST12MG-822 set (see following page).

Esempio di controprofilo con spina doppia ottenibile con il gruppo ST12MG-822 (vedi pagina seguente).



Tenoning cutterheads sets Gruppi di teste per tenoni

Tool set zero diameter: 300 mm
Diametro di programmazione: 300 mm

D mm	B mm	d mm	Z	R	Max RPM 1/min.	Code Codice	SAP SAP
294					5.000	ST12MG 820	F03FC19649
294					5.000	ST12MG 821	F03FC19650
294					5.000	ST12MG 822	F03FC19651

Tools for ST12MG-820, ST12MG-821, ST12MG-822 sets
Utensili per gruppi: ST12MG-820, ST12MG-821, ST12MG-822

D mm	B mm	d mm	Z	R	Max RPM 1/min.	Code Codice	SAP SAP
264	8	70	2	6		ST12M DB3	F03FC19081
294	26	70	2	4		ST12M HF3	F03FC19200
300	26	70	2	4		ST12M HG3	F03FC19201
264	30	70	2	4		ST12M HH3	F03FC19202

	Spare parts Parti di ricambio	Dimensions Dimensioni mm	Code Codice	SAP SAP
DB3	Knife / Coltello	7,6 x 12 x 1,5	CG06MHA310	F03FH02897
	Wedge / Cuneo	15 x 7,2 x 8	CN09M DA9	F03FC01295
	Screw / Vite	M5 x 19	VT11M AA9	F03FA04468
	Spur / Rasante	22,86 x 2,5	RG02MAA305	F03FH03041
	Grooving insert / Settore dentato	40 x 5 x 8	SR01MSAA301	F03FC24186
	Screw / Vite	M6 x 10	VT01M AA9	F03FA04429
	Nut / Ghiera	11,7 x 2,5 x 4	VT18M BB9	F03FA04484
HF3	Screw / Vite	M4 x 6,5	VT05M BD9	F03FA04449
	Screw / Vite	M5 x 6	VT05M AC9	F03FA04446
	Screw / Vite	M5 x 7 x 16	VT08M AE9	F03FA04457
	Screw / Vite	M10 x 18	VT03M CC9	F03FA04438
	Spur insert / Inserto rasante	40 x 4 x 7	IG05MDAA305	F03FH02998
	Screw / Vite	M6 x 11,5	VT16M AB9	F03FA04477
	Rounding insert / Inserto raggatore	22 x 16 x 5	IG52MAE305	F03FH03025
HG3	Screw / Vite	M6 x 14,5	VT16M AA9	F03FA04476
	Screw / Vite	M5 x 7 x 16	VT08M AE9	F03FA04457
	Screw / Vite	M10 x 18	VT03M CC9	F03FA04438
	Spur insert / Inserto rasante	40 x 4 x 7	IG05MSAA305	F03FH02999
	Screw / Vite	M6 x 11,5	VT16M AB9	F03FA04477
	Rounding insert / Inserto raggatore	22 x 16 x 5	IG52MAE305	F03FH03025
	Screw / Vite	M6 x 14,5	VT16M AA9	F03FA04476
HH3	Knife / Coltello	30 x 12 x 15	CG06MDA310	F03FH02892
	Wedge / Cuneo	15 x 26 x 8	CN09MS AD9	F03FC01326
	Nut / Ogiva	15 x 13,3 x 10	VT20M MA9	F03FC20670
	Screw / Vite	M10 x 22	VT19M MA9	F03FA04496
	Spur / Rasante	22,86 x 2,5	RG02MAA305	F03FH03041
	Screw / Vite	M5 x 8	VT05M AA9	F03FA04444
	Rounding insert / Inserto raggatore	22 x 16 x 5	IG52MAE305	F03FH03025
	Screw / Vite	M6 x 13	VT16M AE9	F03FC20658
	Serrated support / Supporto	14 x 21,5 x 22	CN03M BA9	F03FA00584
	Wedge / Cuneo	28 x 9,5 x M8	CN03M BB9	F03FA00585
	Screw / Vite	M8 x 22	VT19M BB9	F03FA04493

Dimensions Dimensioni mm	Sleeve code Codice bussola	SAP SAP
Ø70 x 90 x 30	BF10MD EA9	F03FC24536
Ø70 x 90 x 32	BF10MD EL9	F03FC24537
Ø70 x 90 x 35	BF10MD EB9	F03FC00633
Ø70 x 90 x 40	BF10MD EC9	F03FC00634
Ø70 x 90 x 50	BF10MD ED9	F03FC00635

BF10MD sleeves and knives for cutterheads HF3 and HG3 are not included.

Le bussole BF10MD ed i coltelli per gli utensili HF3 e HG3 vanno ordinati a parte.

ST12MG

Tenoning cutterheads sets Gruppi di teste per tenoni

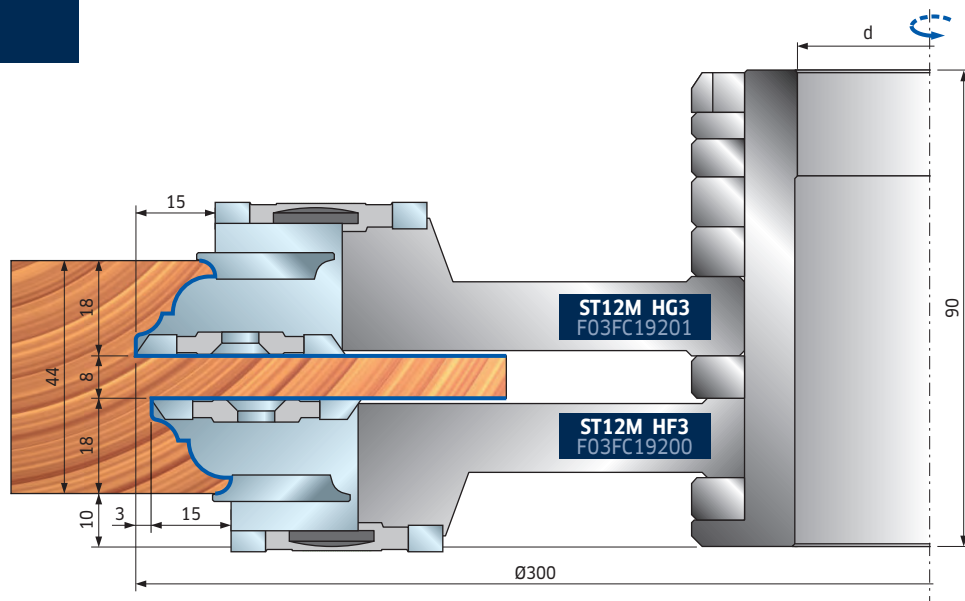
Set / Gruppo ST12MG-820

Single tenon.

For profile without bead recovery.

Spina semplice.

Per profilo senza recupero del listello.



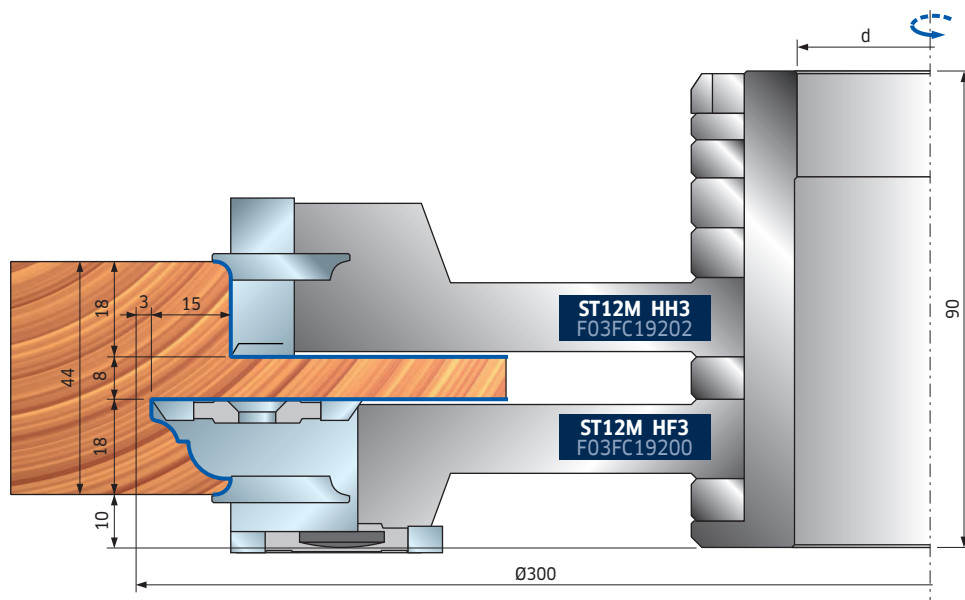
Set / Gruppo ST12MG-821

Single tenon.

For profile with bead recovery.

Spina semplice.

Per profilo con recupero del listello.



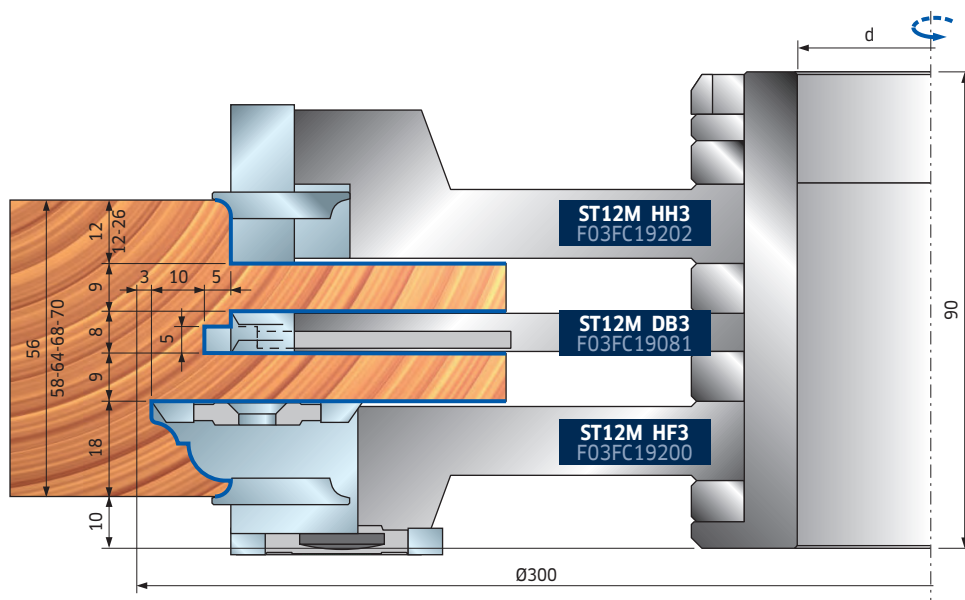
Set / Gruppo ST12MG-822

Double tenon.

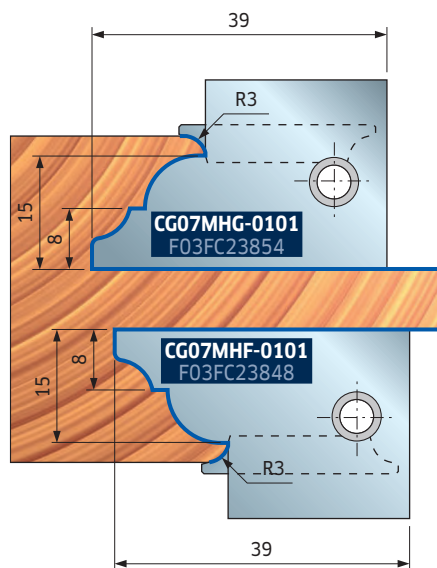
For profile with bead recovery.

Spina doppia.

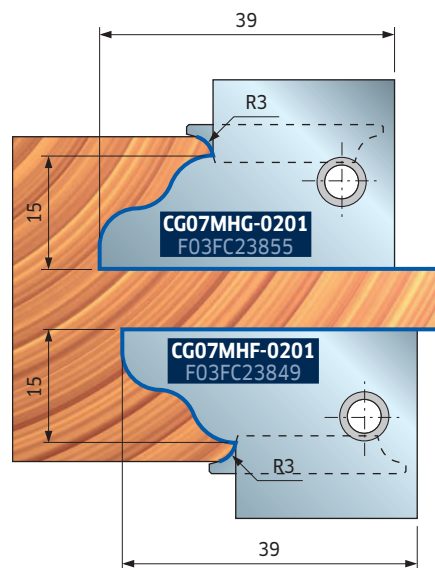
Per profilo con recupero del listello.



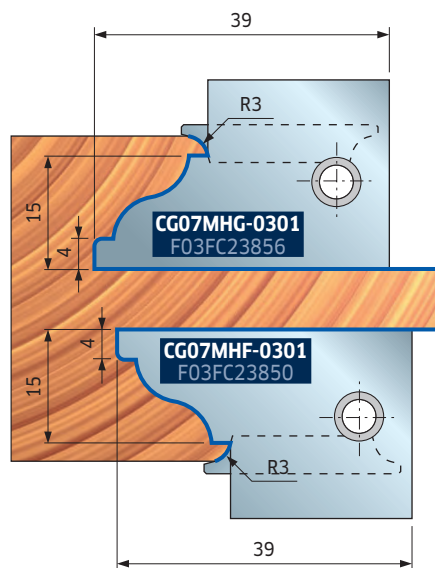
SCRIBE / CONTROPROFILO 1



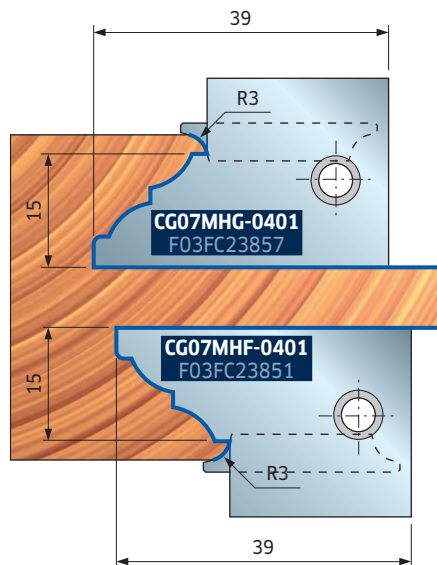
SCRIBE / CONTROPROFILO 2



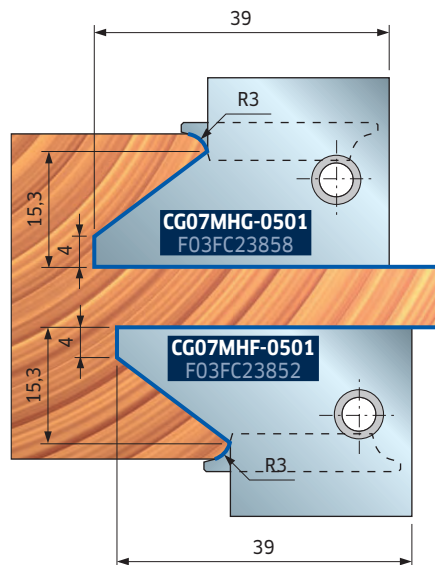
SCRIBE / CONTROPROFILO 3



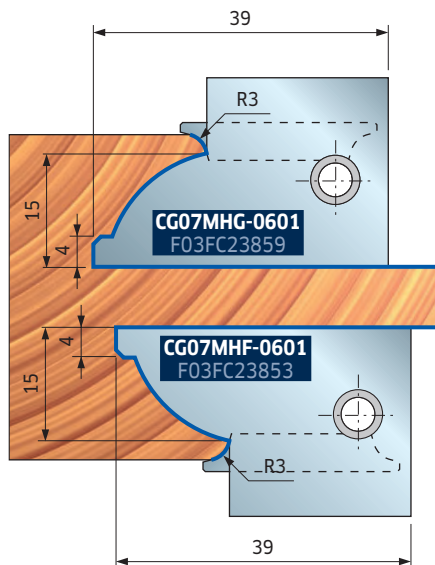
SCRIBE / CONTROPROFILO 4



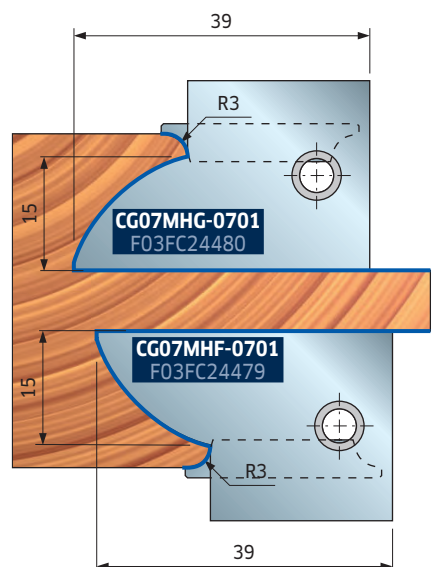
SCRIBE / CONTROPROFILO 5



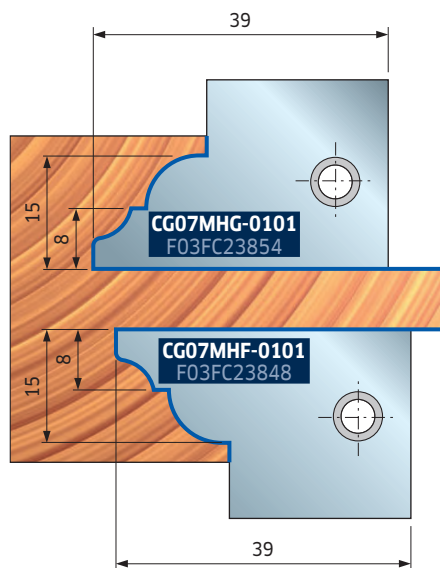
SCRIBE / CONTROPROFILO 6



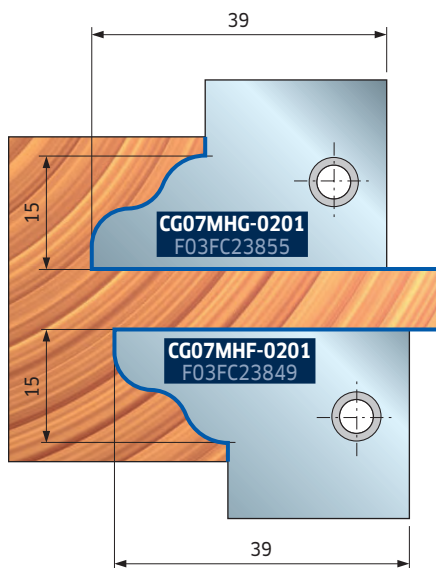
SCRIBE / CONTROPROFILO 7



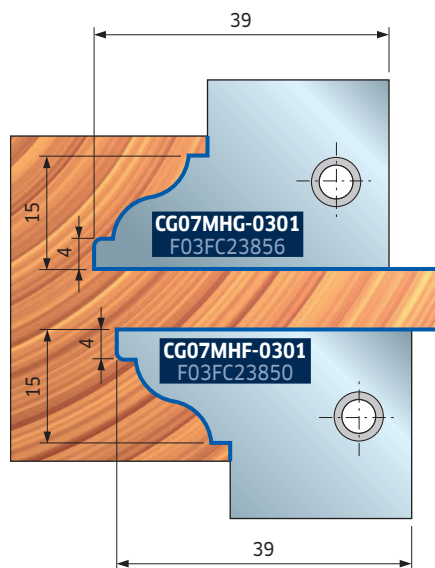
SCRIBE / CONTROPROFILO **11**



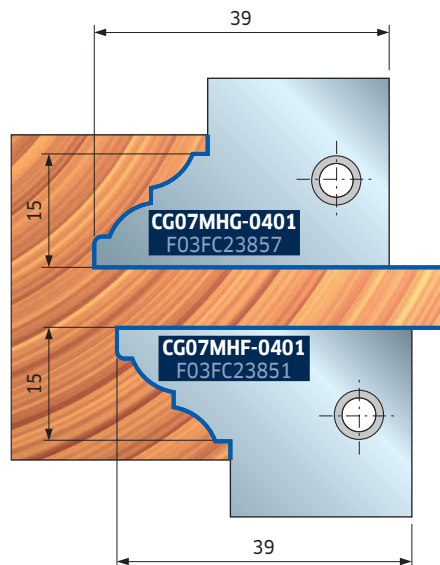
SCRIBE / CONTROPROFILO **12**



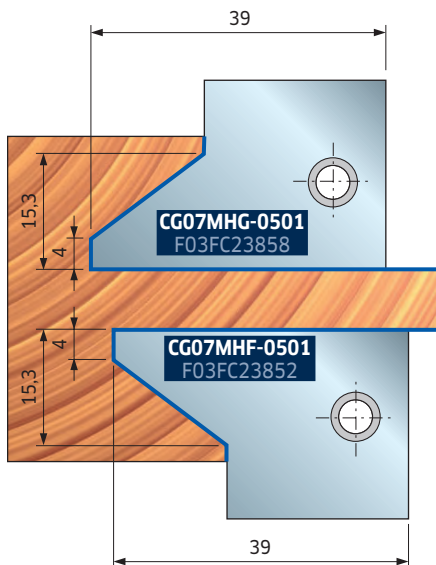
SCRIBE / CONTROPROFILO **13**



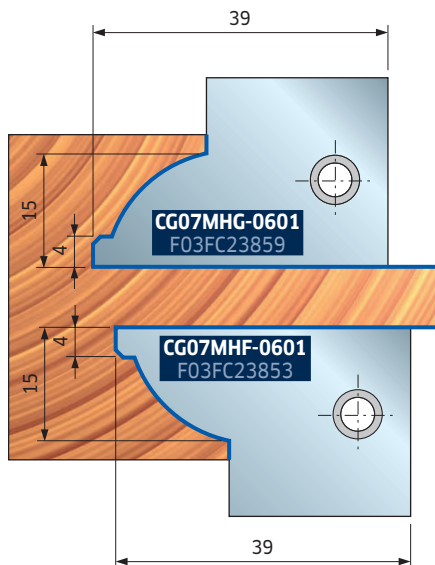
SCRIBE / CONTROPROFILO **14**



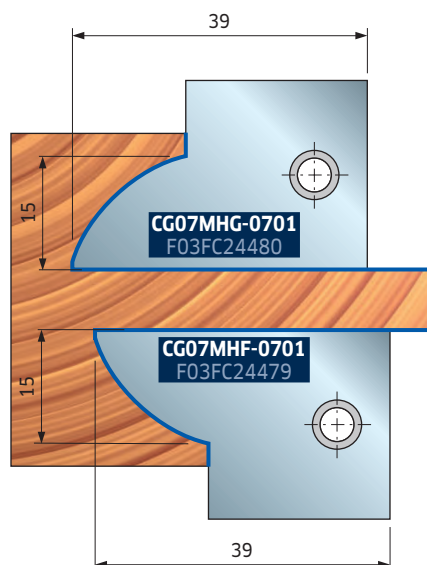
SCRIBE / CONTROPROFILO **15**



SCRIBE / CONTROPROFILO **16**



SCRIBE / CONTROPROFILO **17**



ST12MG



BF10MD sleeves and knives for cutterheads HR3 are not included.

Le bussole BF10MD ed i coltelli per gli utensili HR3 vanno ordinati a parte.

Dimensions Dimensioni mm	Sleeve code Codice bussola	SAP SAP
Ø70 x 90 x 30	BF10MD EA9	F03FC24536
Ø70 x 90 x 32	BF10MD EL9	F03FC24537
Ø70 x 90 x 35	BF10MD EB9	F03FC00633
Ø70 x 90 x 40	BF10MD EC9	F03FC00634
Ø70 x 90 x 50	BF10MD ED9	F03FC00635



Cutterheads sets for doors rebates Gruppi di teste per battute di porte

Tool set zero diameter: 140 mm

Diametro di programmazione: 140 mm

D mm	B mm	d mm	Z	R	Max RPM 1/min.	Code Codice	SAP SAP
162					8.300	ST12MG 840	F03FC19653
162					8.300	ST12MG 841	F03FC19654
162					8.300	ST12MG 842	F03FC19655

Tools for ST12MG-840, ST12MG-841, ST12MG-842 sets

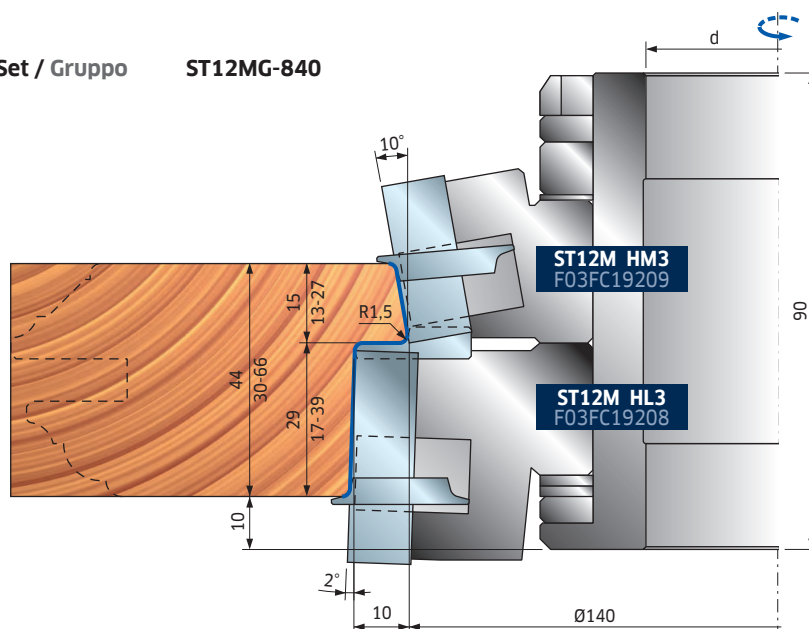
Utensili per gruppi: ST12MG-840, ST12MG-841, ST12MG-842

D mm	B mm	d mm	Z	R	Max RPM 1/min.	Code Codice	SAP SAP
161,8	41	70	2	4		ST12M HL3	F03FC19208
147	33	70	2	2		ST12M HM3	F03FC19209
140	30	70	2	2		ST12M HN3	F03FC19210
166	35	70	2			ST12M HR3	F03FC19214

	Spare parts Parti di ricambio	Dimensions Dimensioni mm	Code Codice	SAP SAP
HL3	Knife / Coltello	40 x 12 x 1,5	CG01MLA310	F03FH02872
	Wedge / Cuneo	15 x 36 x 8	CN09MD AR9	F03FC01309
	Vite / Screw	M10 x 22	VT19M MA9	F03FA04496
	Nut / Ogiva	15 x 13,3 x 10	VT20M NA9	F03FC20671
	Multipurpose insert / Rasante ragg.	10	IG25MD10302	F03FC24164
	Screw / Vite	M6 x 10	2622M CB9	F03FA07455
	Screw / Vite	M6 x 13	VT16M AE9	F03FC20658
	Wedge / Cuneo	28 x 9,5 x 8	CN03M BB9	F03FA00585
HM3 - HN3	Screw / Vite	M8 x 22	VT19M BB9	F03FA04493
	Knife / Coltello	30 x 12 x 1,5	CG01MEA310	F03FH02737
	Wedge / Cuneo	15 x 26 x 8	CN09MD AD9	F03FC01300
	Screw / Vite	M10 x 22	VT19M MA9	F03FA04496
	Nut / Ogiva	15 x 13,3 x 10	VT20M NA9	F03FC20671
	Rounding insert / Inserto raggatore	22 x 16 x 5	IG52MAB305	F03FH03023
	Screw / Vite	M6 x 13	VT16M AE9	F03FC20658
	Wedge / Cuneo	28 x 9,5 x 8	CN03M BB9	F03FA00585
HR3	Screw / Vite	M8 x 22	VT19M BB9	F03FA04493
	Screw / Vite	M10 x 18	VT03M CC9	F03FA04438
	Screw / Vite	M5 x 7 x 16	VT08M AE9	F03FA04457

Set / Gruppo

ST12MG-840



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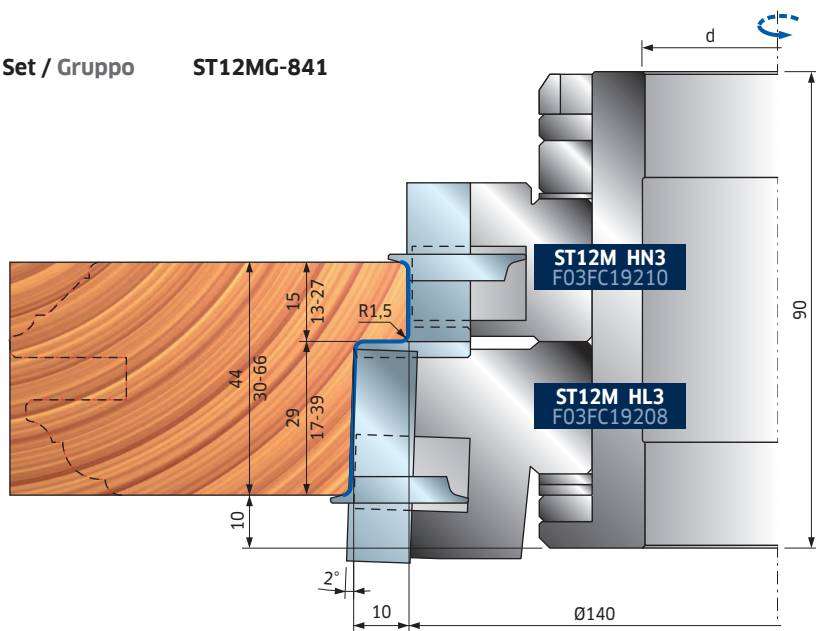
ST12MG

Cutterheads sets for doors rebates Gruppi di teste per battute di porte



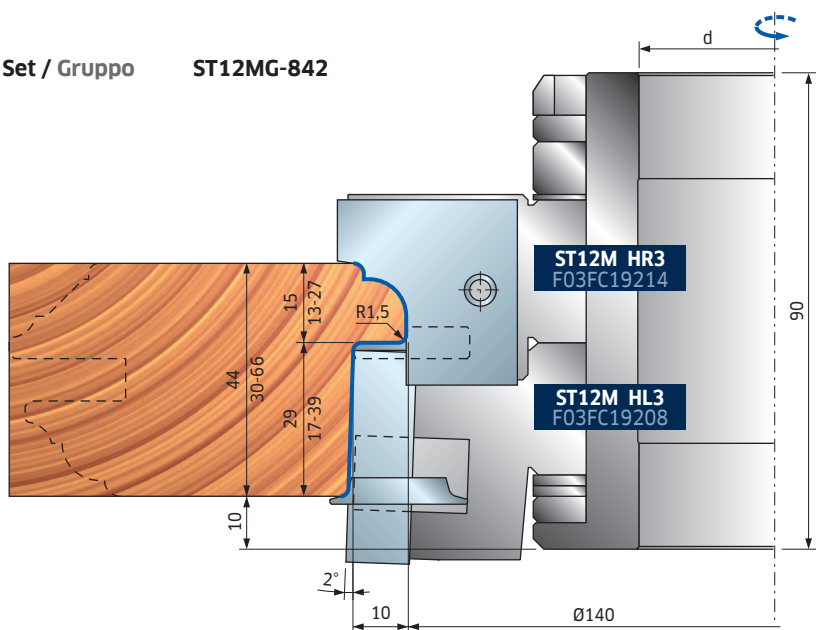
Set / Gruppo

ST12MG-841

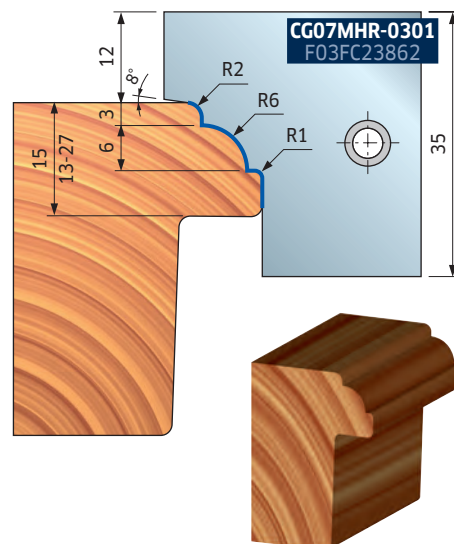
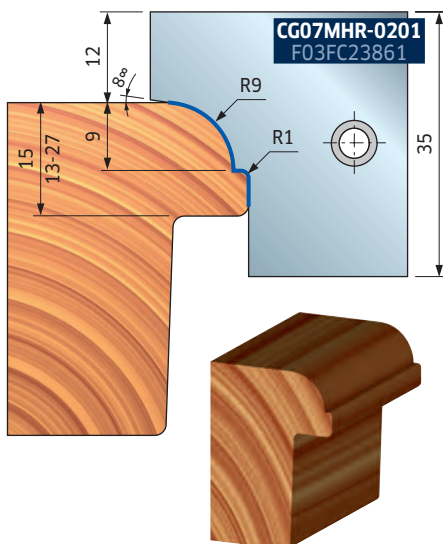
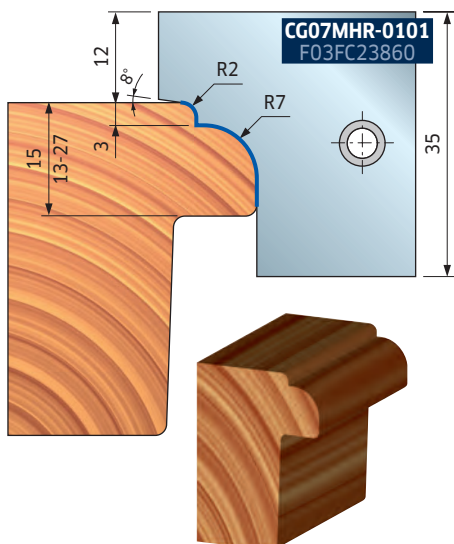


Set / Gruppo

ST12MG-842



Knives for cutterhead ST12M HR3 Coltelli per utensile ST12M HR3

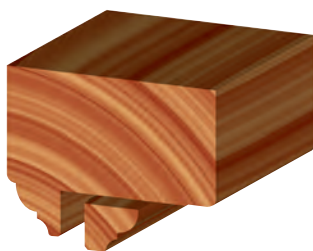


ST12MG



Sleeve BF10MD not included.
La bussola BF10MD non è inclusa.

Dimensions Dimensioni mm	Sleeve code Codice bussola	SAP SAP
Ø60 x 90 x 30	BF10MD DA9	F03FC24534
Ø60 x 90 x 32	BF10MD DL9	F03FC24535
Ø60 x 90 x 35	BF10MD DB9	F03FC00630
Ø60 x 90 x 40	BF10MD DC9	F03FC00631
Ø60 x 90 x 50	BF10MD DD9	F03FC00632



Bead recovery cutterheads sets Gruppi di teste per recupero listello

Tool set zero diameter: 140 mm
Diametro di programmazione: 140 mm

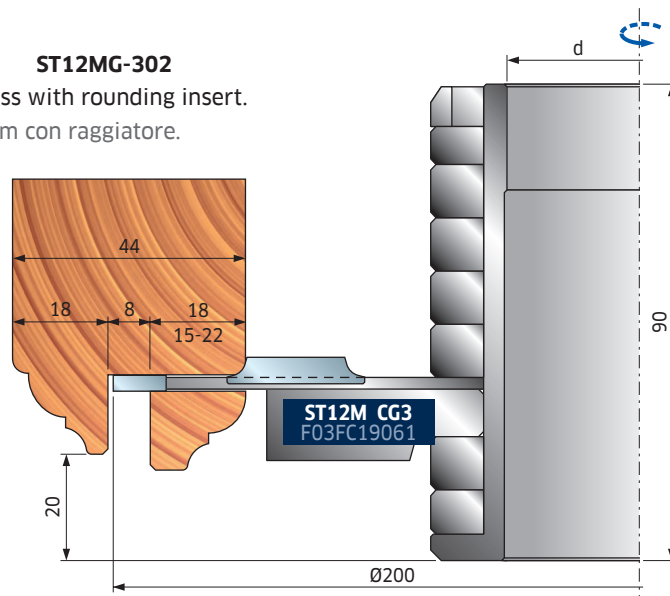
D mm	B mm	d mm	Z	R	Max RPM 1/min.	Code Codice	SAP SAP
200					9.000	ST12MG 302	F03FC19584

Tools for ST12MG-302
Utensili per gruppi ST12MG-302

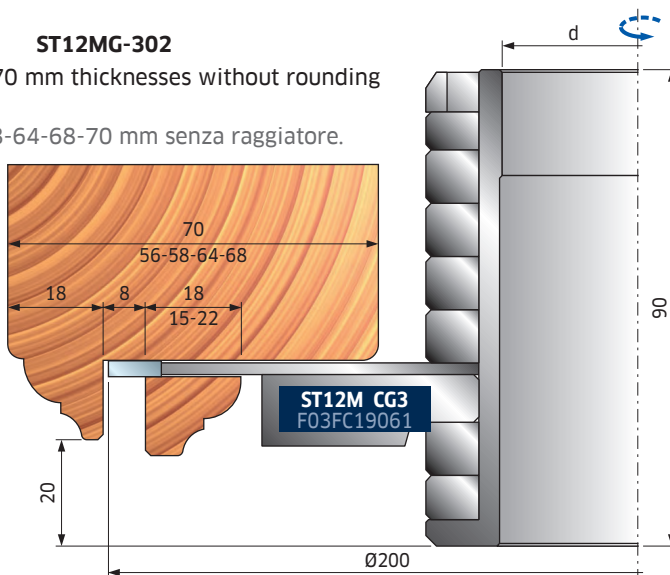
D mm	B mm	d mm	Z	I	Max RPM 1/min.	Code Codice	SAP SAP
144	13,5	60	4			ST12M CG3	F03FC19061

	Spare parts Parti di ricambio	Dimensions Dimensioni mm	Code Codice	SAP SAP
	Saw blade / Lama	200 x 3 x 60 Z34	LL02M20060	F03FC15418
	Screw / Vite	M6 x 10	VT01M AA9	F03FA04429
	Rounding insert / Inserto raggatore	22 x 16 x 5	IG52MAE305	F03FH03025
	Screw / Vite	M6 x 14,5	VT16M AA9	F03FA04476
	Rounding insert / Inserto raggatore	18 x 26 x 8,5	IG23MDAE305	F03FC24163
	Screw / Vite	M6 x 15,5	VT16M AD9	F03FC20657

Set / Gruppo **ST12MG-302**
44 mm thickness with rounding insert.
Spessore 44 mm con raggatore.



Set / Gruppo **ST12MG-302**
56-58-64-68-70 mm thicknesses without rounding insert.
Spessori 56-58-64-68-70 mm senza raggatore.

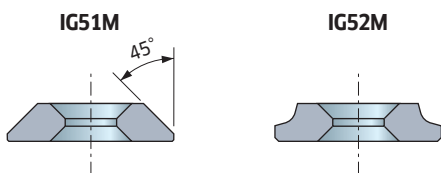


ST12MG



With seat pockets for bevelling inserts IG51M or radius inserts IG52M (R= 1,5 - 2 - 3 mm).

Con sedi per il montaggio di inserti IG51M (smussatori) e IG52M (R= 1,5 - 2 - 3 mm).



BF10MD sleeve is not included.

La bussola BF10MD va ordinata a parte.

Dimensions Dimensioni mm	Sleeve code Codice bussola	SAP SAP
Ø70 x 90 x 30	BF10MD EA9	F03FC24536
Ø70 x 90 x 32	BF10MD EL9	F03FC24537
Ø70 x 90 x 35	BF10MD EB9	F03FC00633
Ø70 x 90 x 40	BF10MD EC9	F03FC00634
Ø70 x 90 x 50	BF10MD ED9	F03FC00635

Cutterheads sets for doors intrados Gruppi di teste per imbotti porte

Tool set zero diameter: 140 mm

Diametro di programmazione: 140 mm

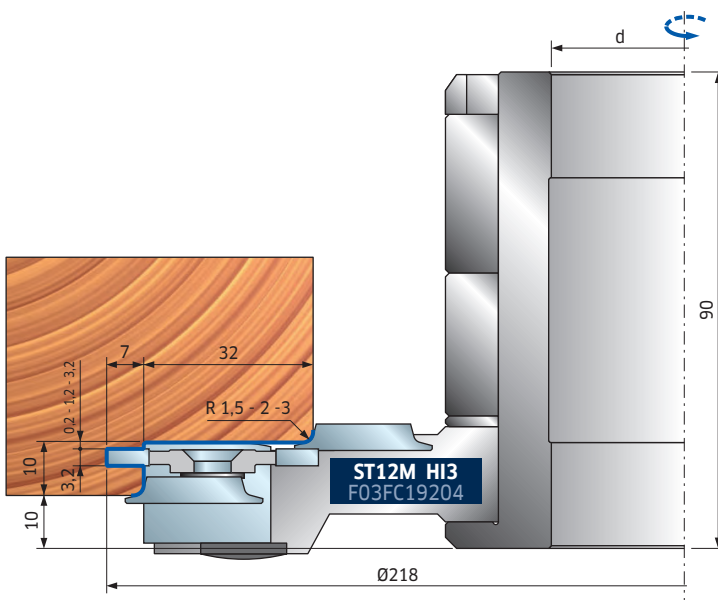
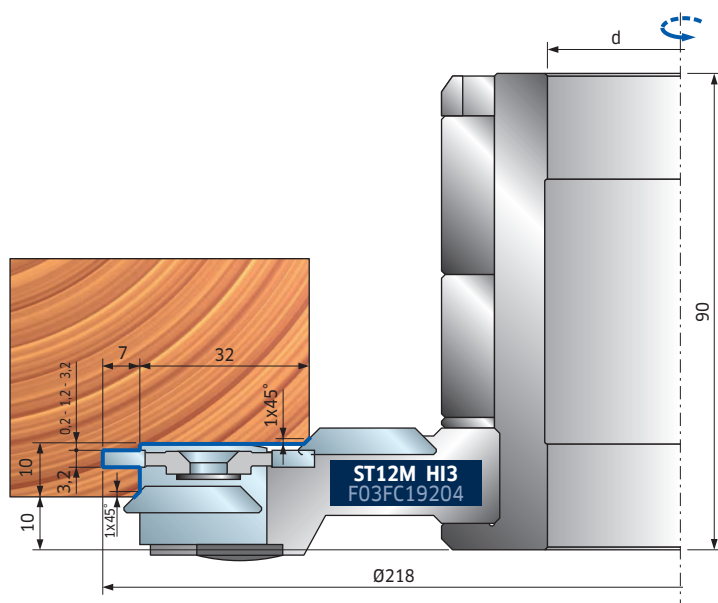
D mm	B mm	d mm	Z	R	Max RPM 1/min.	Code Codice	SAP SAP
218					6.500	ST12MG 830	F03FC19652

Tools for ST12MG-830 set

Utensili per gruppo ST12MG-830

D mm	B mm	d mm	Z	R	Max RPM 1/min.	Code Codice	SAP SAP
204	24	70	2	6		ST12M HI3	F03FC19204

Spare parts Parti di ricambio	Dimensions Dimensioni mm	Code Codice	SAP SAP
Knife / Coltello	20 x 25 x 3	CG07MDHI301	F03FC23824
Screw / Vite	M10 x 18	VT03M CC9	F03FA04438
Screw / Vite	M5 x 7 x 16	VT08M AE9	F03FA04457
Grooving insert / Inserto per incastri	40 x 16 x 3	IG04MDAC305	F03FH02992
Screw for: / Vite per: IG04MD	M6 x 14,5	VT16M AA9	F03FA04476
Screw for: / Vite per: IG51M e IG52M	M6 x 11,5	VT16M AB9	F03FA04477



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