

Catalogo HM / Fissaggio meccanico
Catalogue HW / Mechanical fixing

Fam. 1

Teste portacoltelli / Cutter head

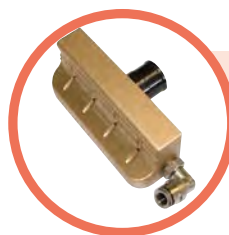


INDICE / SUMMARY



art. 1.01 pag. 06

TESTA PORTACOLTELLI SAGOMATA A PROFILO SEMPLICE
PROFILED INSERT CUTTERHEAD FOR SIMPLE SHAPE



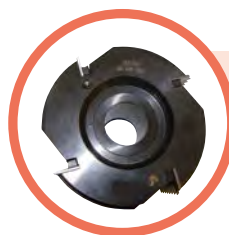
art. 1.22 pag. 23

TAMPONE SAGOMATO IN BRONZO PER SQUADRATRICE
PROFILED PAD IN BRASS FOR DOUBLE-END-TENONER MACHINE



art. 1.02 pag. 08

TESTA PORTACOLTELLI SAGOMATA A PROFILO COMPLESSO
PROFILED INSERT CUTTERHEAD FOR COMPLEX SHAPE



art. 1.32 pag. 24

TESTA PORTACOLTELLI SAGOMATA PER GIUNZIONI
REBATING AND JOINTING INSERT CUTTERHEAD Z=3, DEEPNESS = 8mm



art. 1.16 pag. 10

TESTA PORTACOLTELLI SAGOMATA PER SQUADRATURA E CONTORNATURA PER QUARTI DI TONDO CON RAGGIO CONVESSO A Z=3
PROFILED INSERT CUTTERHEAD FOR SQUARING AND ROUTING QUARTER ROUND SHAPE WITH CONVEX RADIUS Z=3



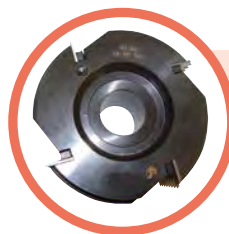
art. 1.32A pag. 30

TESTA PORTACOLTELLI SAGOMATA PER GIUNZIONI CON E PROFONDITÀ mm.10 A Z=3
REBATING AND JOINTING INSERT CUTTERHEAD Z=3, DEEPNESS = 10 mm



art. 1.17 pag. 20

TESTA PORTACOLTELLI MULTIPROFILO A SAGOMA SINGOLA
MULTIPROFILED INSERT CUTTERHEAD FOR SINGLE SHAPE



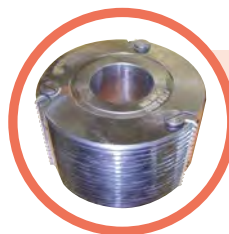
art. 1.32B pag. 36

TESTA PORTACOLTELLI SAGOMATA PER GIUNZIONI CON BATTUTA CENTRALE E PROFONDITA' mm.12 A Z=3
REBATING AND JOINTING INSERT CUTTERHEAD Z=3, DEEPNESS = 12 mm



art. 1.19 pag. 21

TESTA PER COLTELLI ZIGRINATI IN HSS
PROFILED CUTTERHEAD WITH SERRATED HSS KNIVES



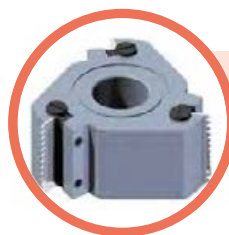
art. 1.33 pag. 42

TESTA PORTACOLTELLI SAGOMATA PER GIUNZIONI CON COLTELLO REVERSIBILE A Z=3
JOINTING CUTTERHEAD WITH TURNOVER KNIVES Z=3



art. 1.21 pag. 22

TESTA PORTACOLTELLI SAGOMATA PER PROFILO SAPONETTA A Z=4
PROFILED INSERT CUTTERHEAD Z=4



art. 1.33A pag. 45

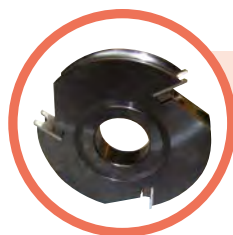
TESTA PORTACOLTELLI SAGOMATA PER GIUNZIONI A Z=3
JOINTING INSERT CUTTERHEAD Z=3

INDICE / SUMMARY



art. 1.34 pag. 47

TESTA PORTACOLTELLI SAGOMATA PER GIUNZIONI MINIZINCHEN A Z=2+2
MICRO FINGER JOINTING CUTTERHEAD
Z=2+2



art. 1.43A pag. 69

TESTA PORTACOLTELLI SAGOMATA PER STECCHIE PERSIANA A Z=4
PROFIED INSERT CUTTERHEAD Z=4 FOR SHUTTERS SLATS



art. 1.35 pag. 50

TESTA PORTACOLTELLI SAGOMATA PER GIUNZIONI 45° A Z=2+2+2
45° JOINTING CUTTERHEAD WITH PROFILED KNIVES Z=2+2+2



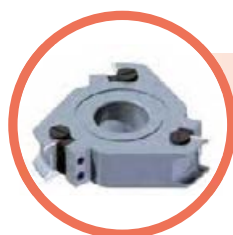
art. 1.44 pag. 71

TESTA PORTACOLTELLI SAGOMATA PER MEZZI TONDI CON RAGGIO CONCAVO A Z=3
PROFIED INSERT CUTTERHEAD Z=3 FOR HALF-ROUND SHAPE WITH CONCAVE RADIUS



art. 1.37 pag. 52

TESTA PORTACOLTELLI SAGOMATA A QUARTO DI TONDO CON RAGGIO CONCAVO E CONVESSO A Z=2
PROFIED INSERT CUTTERHEAD Z=2 FOR QUARTER ROUND SHAPE WITH CONVEX AND CONCAVE RADIUS



art. 1.46 pag. 74

TESTA PORTACOLTELLI SAGOMATA CON RAGGI O SMUSSI DA ESEGUIRE IN ENTRAMBI I LATI DEL PANNELLO A Z=3
PROFIED INSERT CUTTERHEAD Z=3 FOR WORKING OF RADIUS OR CHAMFERS ON BOTH SIDES OF THE PANEL



art. 1.41 pag. 55

TESTA PORTACOLTELLI SAGOMATA PER QUARTI DI TONDO CON RAGGIO CONVESSO A Z=3
PROFIED INSERT CUTTERHEAD Z=3 FOR QUARTER ROUND SHAPE WITH CONVEX RADIUS



art. 1.48 pag. 77

TESTA PORTACOLTELLI SAGOMATA CON RAGGIO O SMUSSO DA ESEGUIRE SULLA PARTE SUPERIORE O INFERIORE DEL PANNELLO
PROFIED INSERT CUTTERHEAD FOR WORKING OF RADIUS OR CHAMFERS ON THE UPPER OR LOWER SIDE OF THE PANEL



art. 1.42 pag. 59

TESTA PORTACOLTELLI SAGOMATA PER QUARTI DI TONDO CON RAGGIO CONCAVO A Z=3
PROFIED INSERT CUTTERHEAD Z=3 FOR QUARTER ROUND SHAPE WITH CONCAVE RADIUS



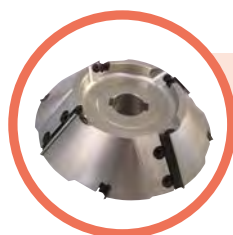
art. 1.54 pag. 79

TESTA PORTACOLTELLI SAGOMATA PER INCISIONI O SMUSSI CON 45° A Z=3
CUTTERHEAD WITH PROFILED KNIVES Z=3 FOR ENGRAVING OR BEVELLING 45°



art. 1.43 pag. 64

TESTA PORTACOLTELLI SAGOMATA PER MEZZI TONDI CON RAGGIO CONVESSO A Z=3
PROFIED INSERT CUTTERHEAD Z=3 FOR HALF ROUND SHAPE WITH CONVEX RADIUS



art. 1.54S pag. 81

TESTA PORTACOLTELLI SAGOMATA PER INCISIONI O SMUSSI CON GRADI A RICHIESTA
PROFIED INSERT CUTTERHEAD FOR ENGRAVING OR CHAMFERING, DEGREES ON REQUEST Z=3

INDICE / SUMMARY



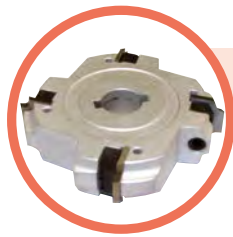
art. 1.61 pag. 82

TESTA PORTACOLTELLI SAGOMATA IN LEGA LEGGERA PER RAGGIO O SMUSSO SU BORDATRICE CON SINGOLO PROFILO A Z=4
 PROFILED INSERT CUTTERHEAD Z=4, MOUNTED ON LIGHT ALLOY TOOL BODY FOR WORKING OF RADIUS AND CHAMFERS, TO USE ON EDGEBANDING MACHINES WITH SINGLE SHAPE



art. 1.75S pag. 93

TESTA PORTACOLTELLI SAGOMATA PER BUGNE CON DOPPIO COLTELLO E SAGOMA A RICHIESTA
 PANEL RAISING CUTTERHEAD WITH DOUBLE KNIFE, PROFILE ON REQUEST



art. 1.62 pag. 84

TESTA PORTACOLTELLI SAGOMATA IN LEGA LEGGERA PER RAGGI O SMUSSI SU BORDATRICE CON DOPPIO PROFILO A Z=4
 PROFILED INSERT CUTTERHEAD Z=4, MOUNTED ON LIGHT ALLOY TOOL BODY, FOR WORKING OF RADIUS AND CHAMFERS, TO BE USED ON EDGEBANDING MACHINES WITH DOUBLE SHAPE



art. 1.77 pag. 94

TESTA PORTACOLTELLI SAGOMATA PER BUGNE CON COLTELLI REVERSIBILI SP1,5 A Z=2+2
 PANEL RAISING CUTTERHEAD Z=2+2 WITH TURNOVER KNIVES THICKNESS 1,5



art. 1.65 pag. 86

PORTAUTENSILE RASCHIABORDO PER BORDATRICE
 SCRAPER KNIFE FOR EDGEBANDING



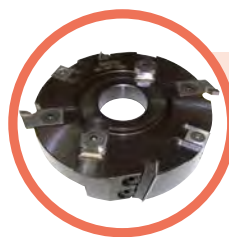
art. 1.79 pag. 96

TESTA PORTACOLTELLI SAGOMATA MULTIFUNZIONE DA ESEGUIRE SAGOMA ,CONTROSAGOMA E BUGNA A Z=2+2
 CUTTERHEAD WITH PROFILED KNIVES Z=2+2 FOR PROFILE-COUNTERPROFILE AND PANEL RAISING



art. 1.71 pag. 88

TESTA PORTACOLTELLI SAGOMATA PER BUGNE CON COLTELLO UNICO A Z=3
 PANEL RAISING CUTTERHEAD, Z=3 FULL KNIVES



art. 1.1001 pag. 99

TESTA PORTACOLTELLI SPECIALE A DISEGNO CON COLTELLI REVERSIBILI
 SPECIAL CUTTERHEAD WITH TURNOVER KNIVES ON REQUEST



art. 1.71S pag. 90

TESTA PORTACOLTELLI SAGOMATA PER BUGNE CON COLTELLO UNICO E SAGOMA A RICHIESTA
 PANEL RAISING CUTTERHEAD, PROFILE ON REQUEST, Z=3 FULL KNIVES



art. 1.1011 pag. 101

TESTA PORTACOLTELLI PER SMUSSI A 45° CON COLTELLI REVERSIBILI A Z=2
 45° BEVELLING CUTTERHEAD WITH TURNOVER KNIVES Z=2



art. 1.75 pag. 91

TESTA PORTACOLTELLI SAGOMATA PER BUGNE CON DOPPIO COLTELLO A Z=3+3
 PANEL RAISING CUTTERHEAD WITH DOUBLE KNIFE Z=3+3



art. 1.1011A pag. 102

TESTA PORTACOLTELLI PER SMUSSI CON GRADI A RICHIESTA CON COLTELLI REVERSIBILI
 CHAMFERING CUTTERHEAD WITH TURNOVER KNIVES AND DEGREES ON REQUEST

INDICE / SUMMARY



art. 1.1015 pag. 103

**TESTA PORTACOLTELLI PER SMUSSI
CON GRADI A RICHIESTA A
COLTELLI mm.14X14X2**
CHAMFERING CUTTERHEAD, DEGREES ON
REQUEST, KNIVES mm.14x14x2



art. 1.1061 pag. 109

**TESTA PORTACOLTELLI A PIALlare
CON COLTELLI HSS 18% A Z=4**
PLANING CUTTERHEAD Z=4 WITH HSS
KNIVES 18%



art. 1.1021 pag. 104

**TESTA PORTACOLTELLI
INCLINABILE DA 0 A 80° GRADO
PER GRADO A Z=2+2 RAS.**
PIVOTING CUTTERHEAD FROM 0° TO 80°,
ADJUSTABLE FROM 1° TO 1°, Z=2+V2



art. 1.1101 pag. 111

**TESTA A PIALlare CON SISTEMA
HYDRO E COLTELLI HSS 18%**
PLANING CUTTERHEAD WITH HYDRO
SYSTEM AND HSS KNIVES 18%



art. 1.1031 pag. 105

**TESTA A PIALlare PER GUIDA
LATERALE**
PRE-GROOVING CUTTERHEAD



art. 1.1201 pag. 113

**TESTA PORTACOLTELLI
REGOLABILE CON ANELLI**
INSERT CUTTERHEAD ADJUSTABLE BY
SPACER RINGS



art. 1.1035 pag. 106

**TESTA PORTACOLTELLI A PIALlare
COMPONIBILE A Z=4**
SECTIONAL PLANING CUTTERHEAD Z=4



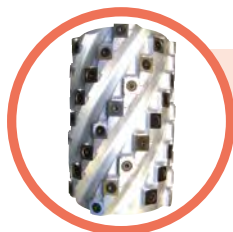
art. 1.1301 pag. 114

**TESTA PORTACOLTELLI PIANA PER
BORDATRICE**
STRAIGHT INSERT CUTTERHEAD FOR
EDGE-BANDING MACHINE



art. 1.1041 pag. 107

**TESTA PORTACOLTELLI A PIALlare
CON COLTELLI MM 50X12X1,5 A
Z=3**
PLANING CUTTERHEAD Z=3 WITH INSERT
KNIVES 50x12x1,5 mm.



art. 1.1051 pag. 108

**TESTA A PIALlare TIPO
ELICOIDALE CON COLTELLI MM
14X14X2 A Z=4+4**
SPIRAL PLANING CUTTERHEAD Z=4+4
WITH INSERT KNIVES 14x14x2 mm.

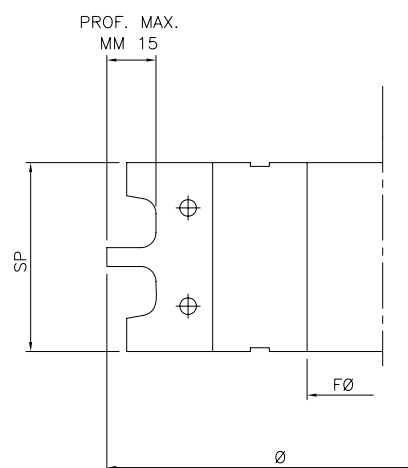
art. 1.01



TESTA PORTACOLTELLI SAGOMATA A PROFILO SEMPLICE



PROFILED INSERT CUTTERHEAD FOR SIMPLE SHAPE



ARTICOLO ITEM	Ø	SPESSORE THICKNESS
1.01/d1x15	100÷140	15
1.01/d2x15	141÷200	15
1.01/d3x15	201÷300	15
1.01/d1x20	100÷140	20
1.01/d2x20	141÷200	20
1.01/d3x20	201÷300	20
1.01/d1x25	100÷140	25
1.01/d2x25	141÷200	25
1.01/d3x25	201÷300	25
1.01/d1x30	100÷140	30
1.01/d2x30	141÷200	30
1.01/d3x30	201÷300	30
1.01/d1x35	100÷140	35
1.01/d2x35	141÷200	35
1.01/d3x35	201÷300	35
1.01/d1x40	100÷140	40
1.01/d2x40	141÷200	40
1.01/d3x40	201÷300	40
1.01/d1x50	100÷140	50
1.01/d2x50	141÷200	50
1.01/d3x50	201÷300	50
1.01/d1x60	100÷140	60

art. 1.01

ARTICOLO ITEM	Ø	SPESSORE THICKNESS
1.01/d2x60	141÷200	60
1.01/d3x60	201÷300	60
1.01/d1x80	100÷140	80
1.01/d2x80	141÷200	80
1.01/d3x80	201÷300	80
1.01/d1x100	100÷140	100
1.01/d2x100	141÷200	100
1.01/d3x100	201÷300	100

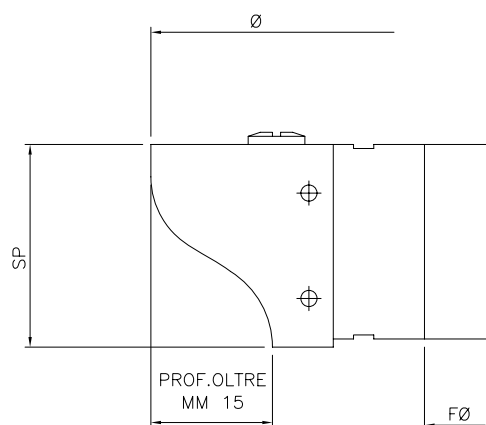
art. 1.02



TESTA PORTACOLTELLI SAGOMATA A PROFILO COMPLESSO



PROFILED INSERT CUTTERHEAD FOR COMPLEX SHAPE



ARTICOLO ITEM	Ø	SPESSORE THICKNESS
1.02/d1x15	100÷140	15
1.02/d2x15	141÷200	15
1.02/d3x15	201÷300	15
1.02/d1x20	100÷140	20
1.02/d2x20	141÷200	20
1.02/d3x20	201÷300	20
1.02/d1x25	100÷140	25
1.02/d2x25	141÷200	25
1.02/d3x25	201÷300	25
1.02/d1x30	100÷140	30
1.02/d2x30	141÷200	30
1.02/d3x30	201÷300	30
1.02/d1x35	100÷140	35
1.02/d2x35	141÷200	35
1.02/d3x35	201÷300	35
1.02/d1x40	100÷140	40
1.02/d2x40	141÷200	40
1.02/d3x40	201÷300	40
1.02/d1x50	100÷140	50
1.02/d2x50	141÷200	50
1.02/d3x50	201÷300	50

art. 1.02

ARTICOLO ITEM	Ø	SPESSORE THICKNESS
1.02/d1x60	100÷140	60
1.02/d2x60	141÷200	60
1.02/d3x60	201÷300	60
1.02/d1x80	100÷140	80
1.02/d2x80	141÷200	80
1.02/d3x80	201÷300	80
1.02/d1x100	100÷140	100
1.02/d2x100	141÷200	100
1.02/d3x100	201÷300	100

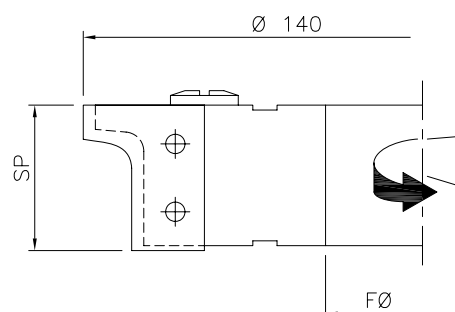
art. 1.16



**TESTA PORTACOLTELLI SAGOMATA PER
SQUADRATURA E CONTORNATURA PER QUARTI DI
TONDO CON RAGGIO CONVESSO A Z=3**



**PROFILED INSERT CUTTERHEAD FOR SQUARING AND ROUTING
QUARTER ROUND SHAPE WITH CONVEX RADIUS Z=3**



ARTICOLO ITEM	DESCRIZIONE DESCRIPTION
1.16/1	Testa portacoltelli sagomata Ø 140x30
	RICAMBI:
4.5011/3x20	Coltello hm sagomato mm.30x25x2 R=3
4.5011/5x20	Coltello hm sagomato mm.30x25x2 R=5
4.5011/6x20	Coltello hm sagomato mm.30x25x2 R=6
4.5011/7,5x20	Coltello hm sagomato mm.30x25x2 R=7,5
1.16/2	Testa portacoltelli sagomata Ø 140x30
	RICAMBI:
4.5011/10x20	Coltello hm sagomato mm.30x30x2 R=10
4.5011/12,5x20	Coltello hm sagomato mm.30x30x2 R=12,5
1.16/3	Testa portacoltelli sagomata Ø 140x30
	RICAMBI:
4.5011/15x20	Coltello hm sagomato mm.30x35x2 R=15
4.5011/17,5x20	Coltello hm sagomato mm.30x35x2 R=17,5
1.16/4	Testa portacoltelli sagomata Ø 140x35
	RICAMBI:
4.5011/3x25	Coltello hm sagomato mm.35x25x2 R=3
4.5011/5x25	Coltello hm sagomato mm.35x25x2 R=5
4.5011/6x25	Coltello hm sagomato mm.35x25x2 R=6
4.5011/7,5x25	Coltello hm sagomato mm.35x25x2 R=7,5

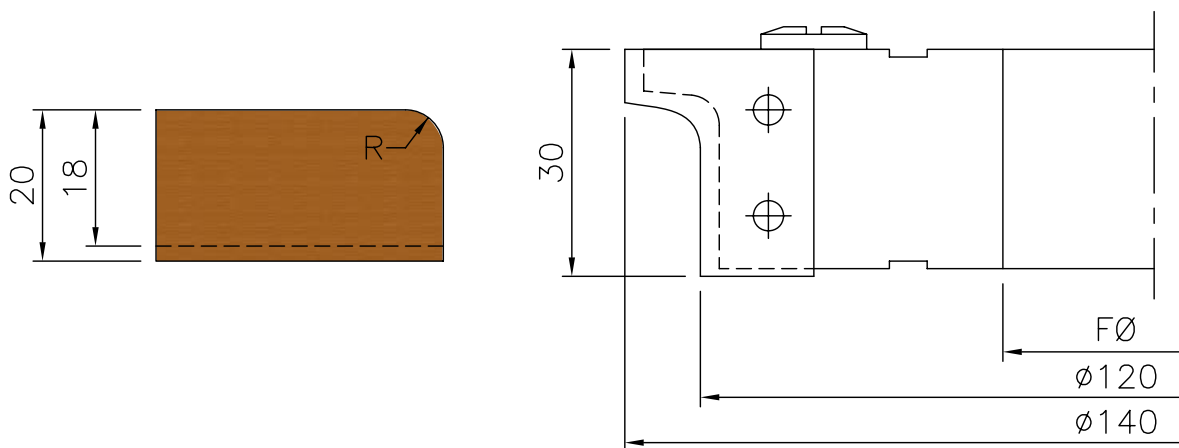
art. 1.16

ARTICOLO ITEM	DESCRIZIONE DESCRIPTION
1.16/5	Testa portacoltelli sagomata Ø 140x35
	RICAMBI:
4.5011/10x25	Coltello hm sagomato mm.35x30x2 R=10
4.5011/12,5x25	Coltello hm sagomato mm.35x30x2 R=12,5
1.16/6	Testa portacoltelli sagomata Ø 140x35
	RICAMBI:
4.5011/15x25	Coltello hm sagomato mm.35x35x2 R=15
4.5011/17,5x25	Coltello hm sagomato mm.35x35x2 R=17,5
1.16/7	Testa portacoltelli sagomata Ø 140x40
	RICAMBI:
4.5011/10x30	Coltello hm sagomato mm.40x30x2 R=10
4.5011/12,5x30	Coltello hm sagomato mm.40x30x2 R=12,5
1.16/8	Testa portacoltelli sagomata Ø 140x40
	RICAMBI:
4.5011/15x30	Coltello hm sagomato mm.40x35x2 R=15
4.5011/17,5x30	Coltello hm sagomato mm.40x35x2 R=17,5

art. 1.16

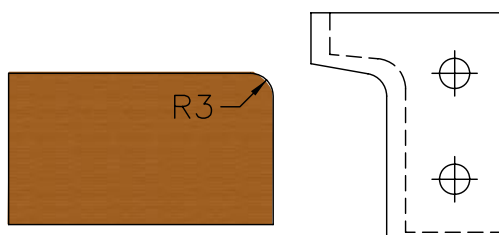
ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

art. 1.16/ 1

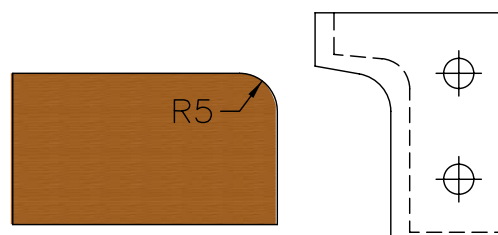


RICAMBI / SPARE PARTS

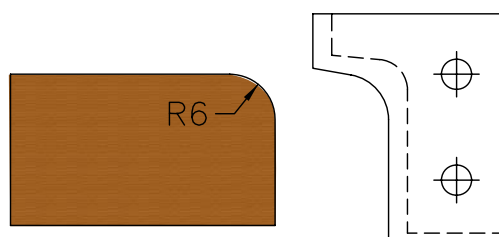
4.5011/3x20



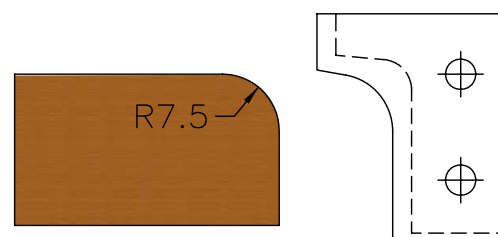
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4.5011/6x20



4.5011/7.5x20

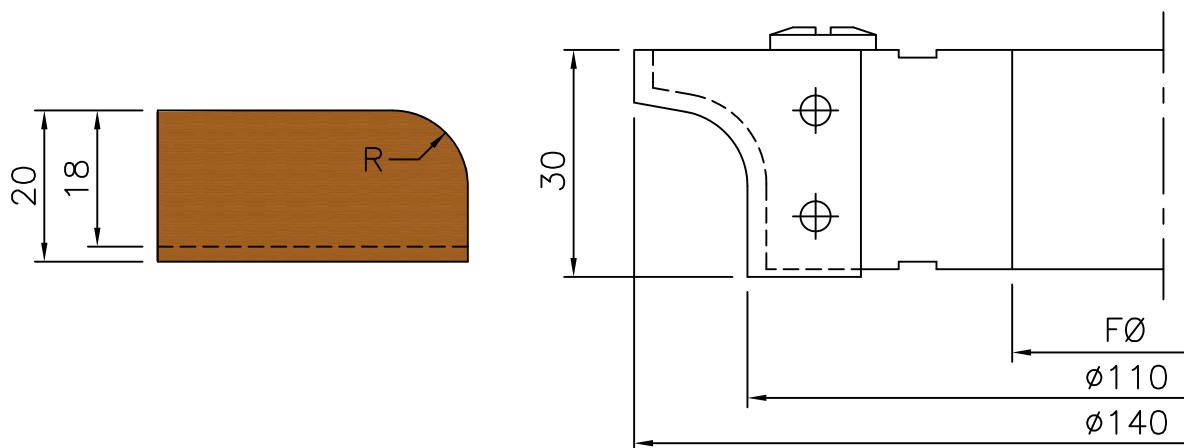


art. 1.16

ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

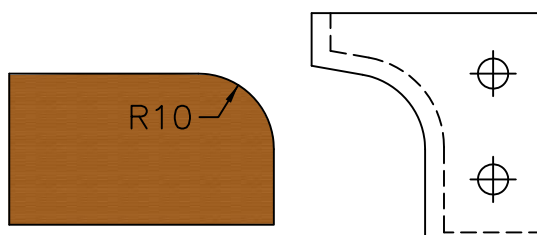
Teste portacoltelli / Cutter head

art. 1.16/ 2

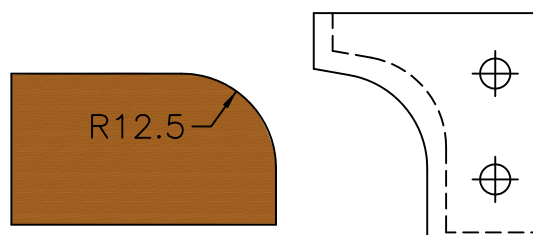


RICAMBI / SPARE PARTS

4.5011/10x20



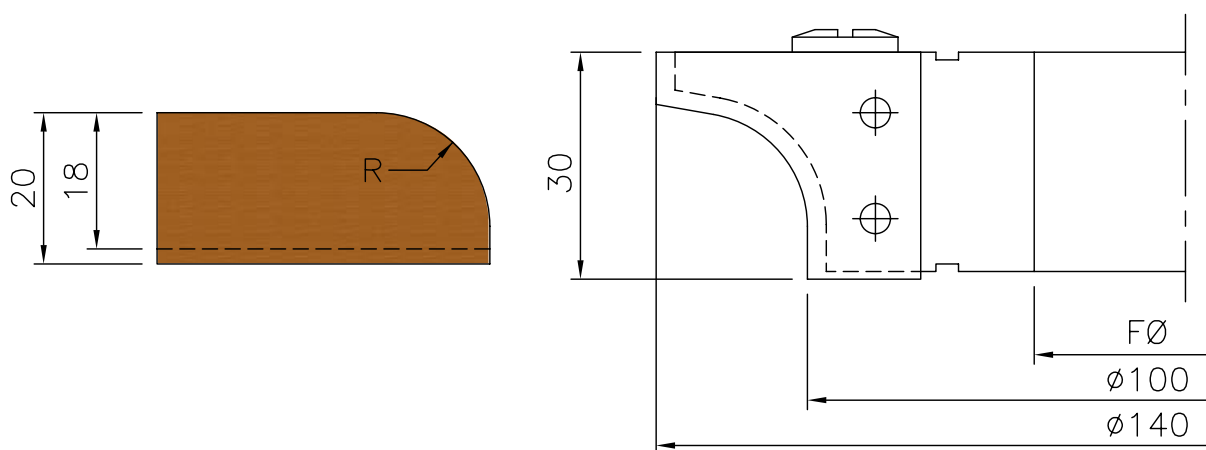
4.5011/12.5x20



art. 1.16

ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

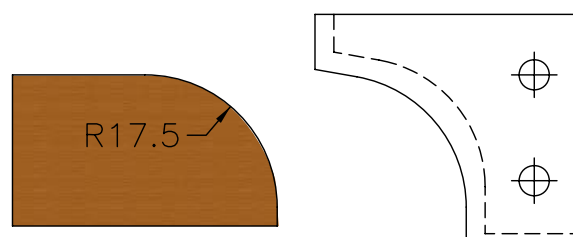
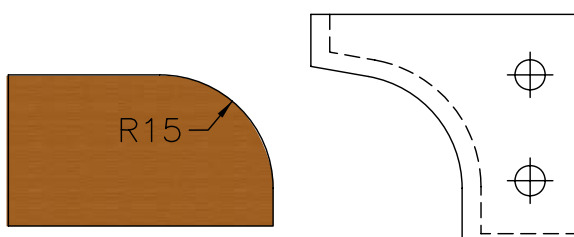
art. 1.16/ 3



RICAMBI / SPARE PARTS

4.5011/15x20

4.5011/17.5x20

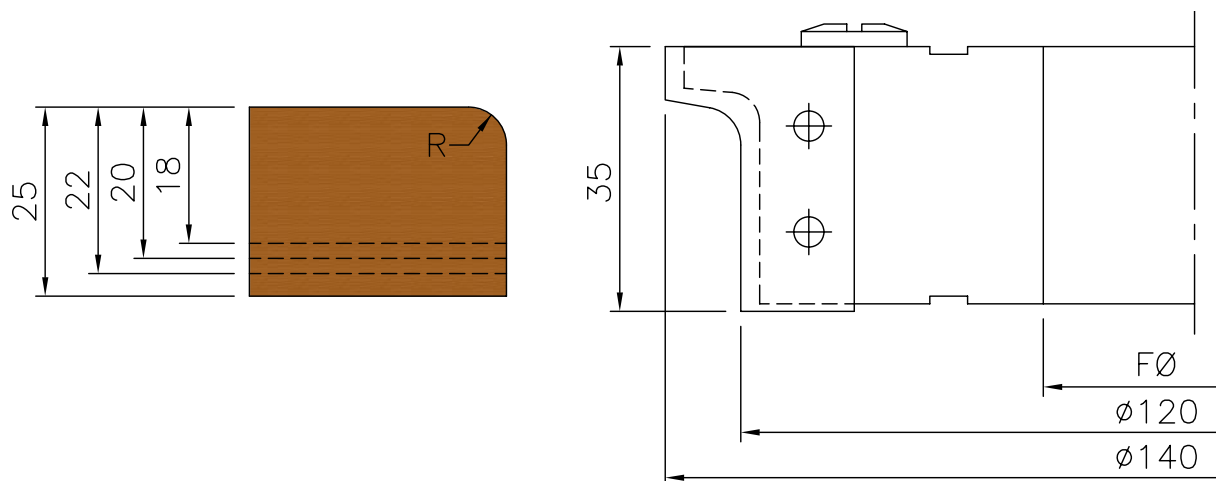


art. 1.16

ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

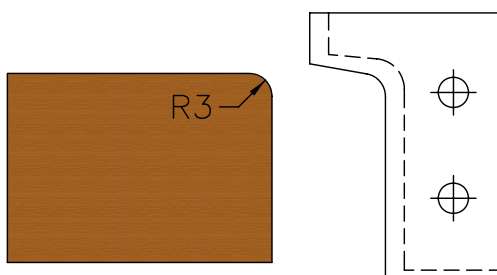
Teste portacoltelli / Cutter head

art. 1.16/ 4

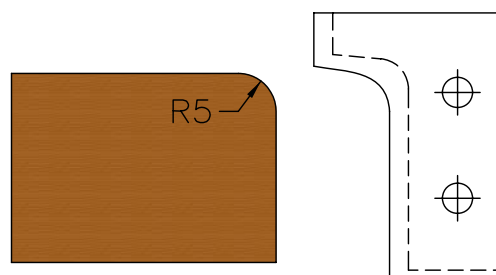


RICAMBI / SPARE PARTS

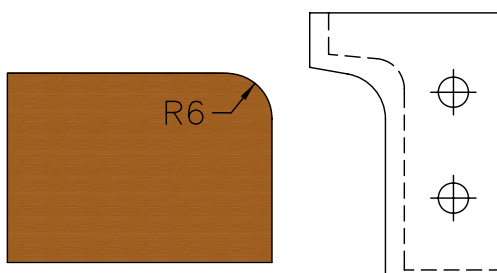
4.5011/3x25



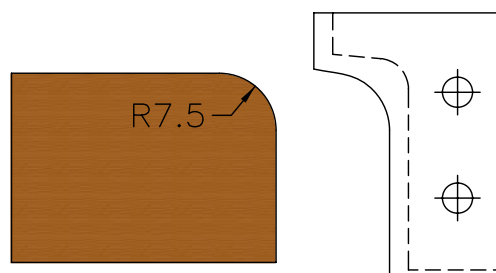
4.5011/5x25



4.5011/6x25



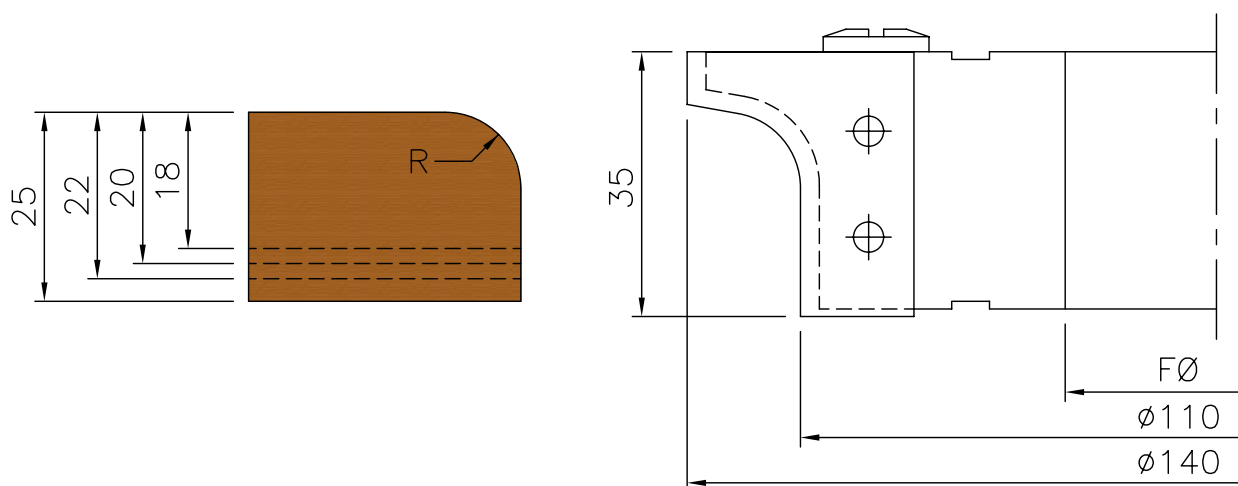
4.5011/7.5x25



art. 1.16

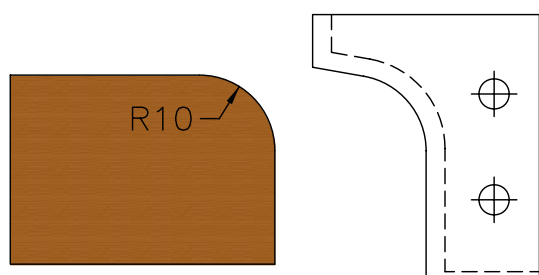
ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

art. 1.16/ 5

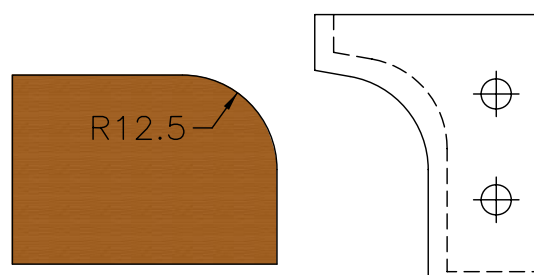


RICAMBI / SPARE PARTS

4.5011/10x25



4.5011/12.5x25

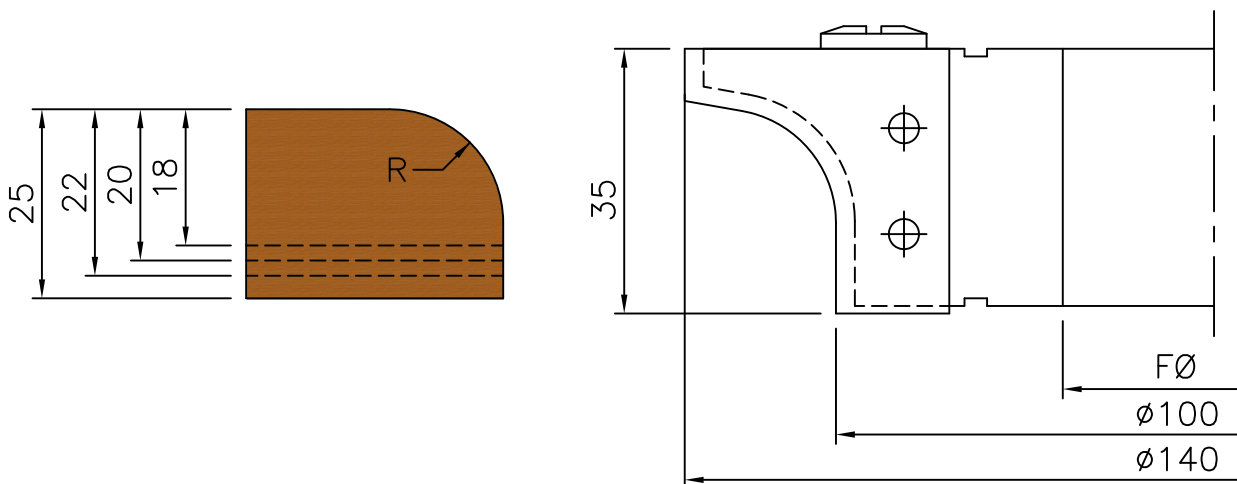


art. 1.16

ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

Teste portacoltelli / Cutter head

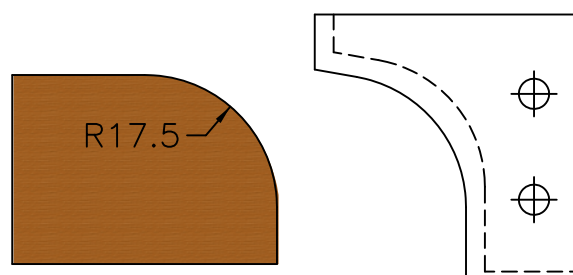
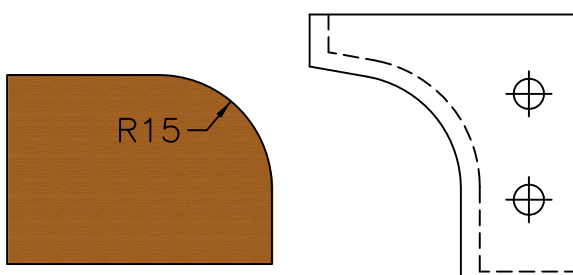
art. 1.16/ 6



RICAMBI / SPARE PARTS

4.5011/15x25

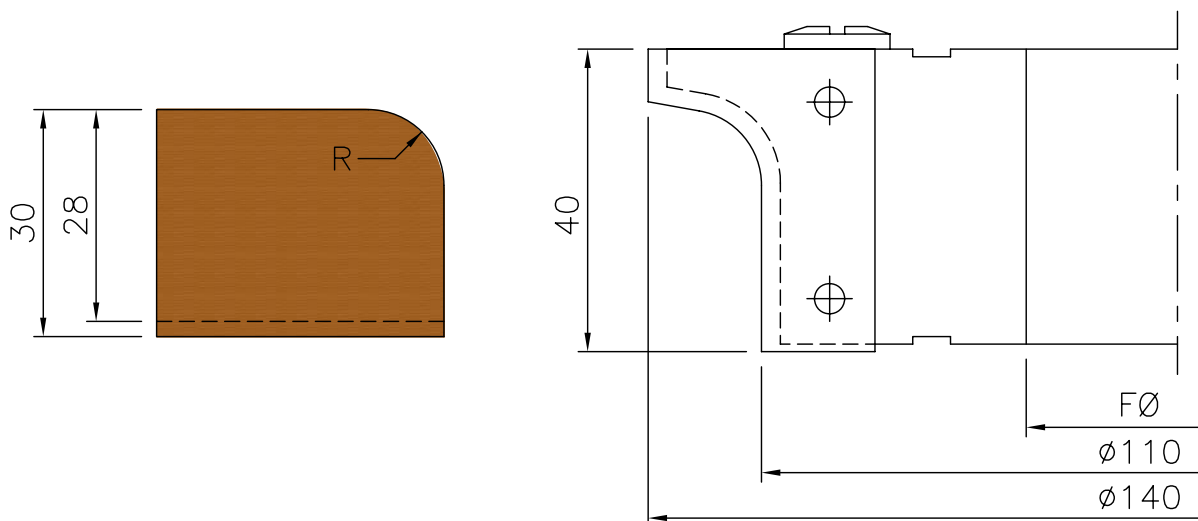
4.5011/17.5x25



art. 1.16

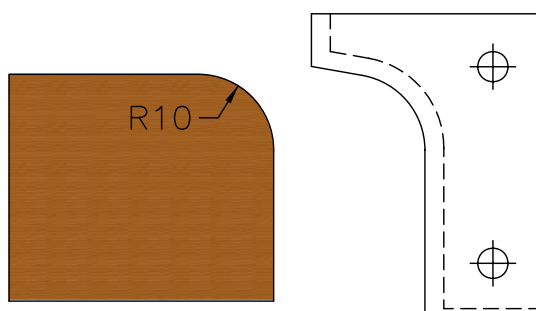
ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

art. 1.16/ 7

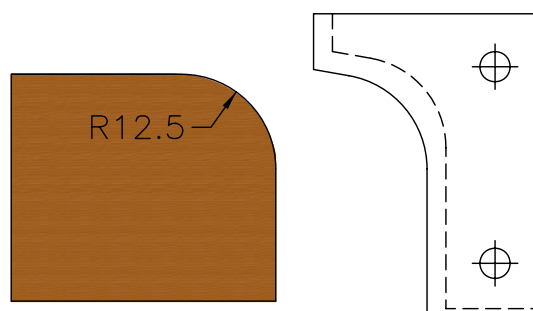


RICAMBI / SPARE PARTS

4.5011/10x30



4.5011/12.5x30

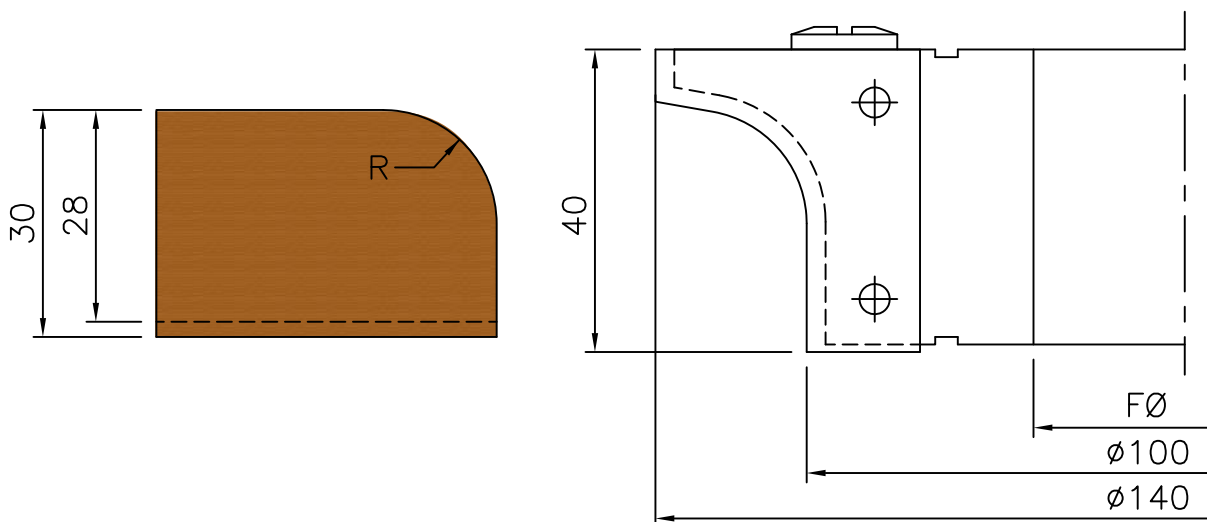


art. 1.16

ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

Teste portacoltelli / Cutter head

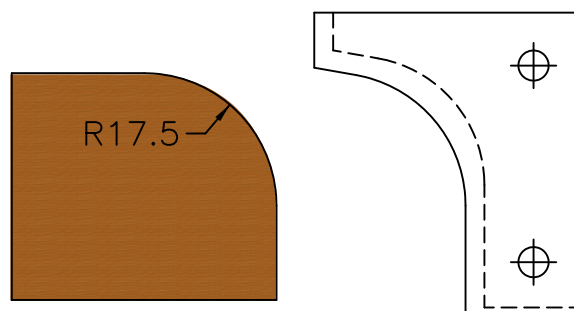
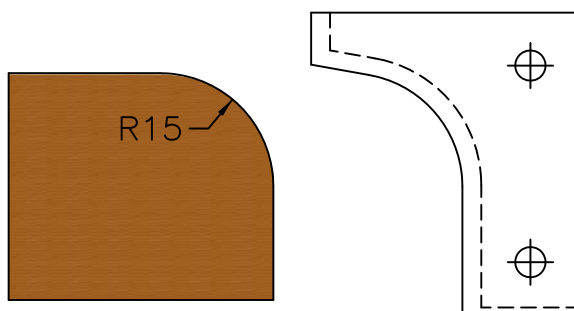
art. 1.16/ 8



RICAMBI / SPARE PARTS

4.5011/15x30

4.5011/17.5x30



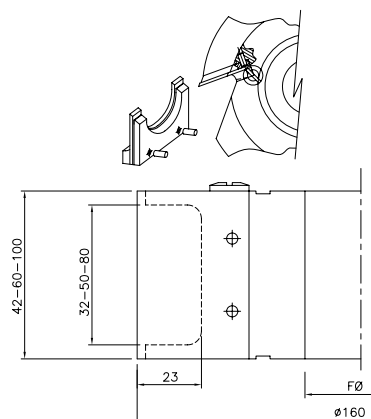
art. 1.17



**TESTA PORTACOLTELLI MULTIPROFILO
A SAGOMA SINGOLA**



MULTIPROFILED INSERT CUTTERHEAD FOR SINGLE SHAPE



ARTICOLO ITEM	Ø	SPESSORE THICKNESS	FORO BORE	Z
1.17/160x42	160	42	40	3
1.17/160x60	160	60	40	3
1.17/160x100	160	100	40	3

art. 1.19



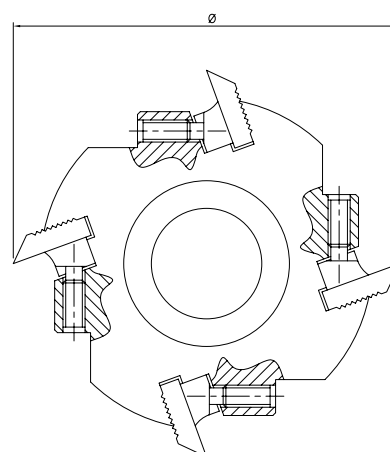
TESTA PER COLTELLI ZIGRINATI IN HSS



PROFILED CUTTERHEAD WITH SERRATED HSS KNIVES



Teste portacoltelli / Cutter head



ARTICOLO ITEM	Ø	SPESSORE THICKNESS	FORO BORE	Z
1.19/122x040x2	122	40	30/35/40	2
1.19/122x040x4	122	40	30/35/40	4
1.19/122x060x4	122	60	30/35/40	4
1.19/122x080x4	122	80	30/35/40	4
1.19/122x100x4	122	100	30/35/40	4
1.19/122x130x4	122	130	30/35/40	4
1.19/122x150x4	122	150	30/35/40	4
1.19/122x180x4	122	180	30/35/40	4
1.19/122x230x4	122	230	30/35/40	4
1.19/137x050x4	137	50	30/35/40	4
1.19/137x060x4	137	60	30/35/40	4
1.19/137x080x4	137	70	30/35/40	4
1.19/137x100x4	137	100	30/35/40	4
1.19/137x130x4	137	130	30/35/40	4
1.19/137x150x4	137	150	30/35/40	4
1.19/137x180x4	137	180	30/35/40	4

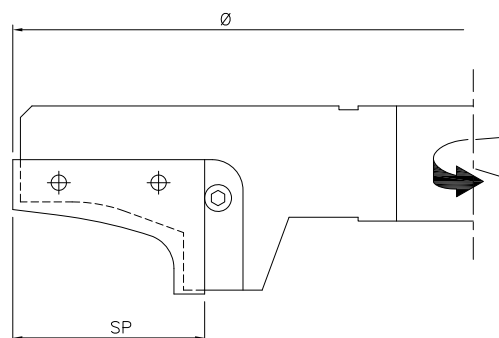
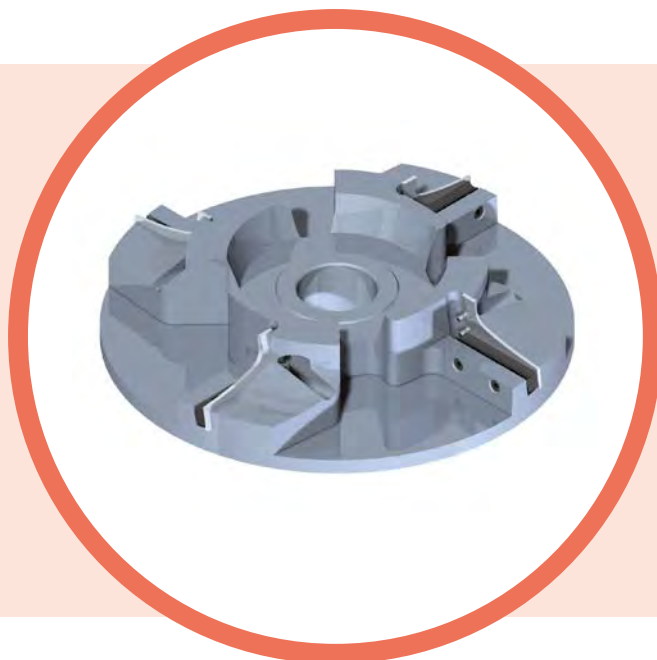
art. 1.21



**TESTA PORTACOLTELLI SAGOMATA PER PROFILO
SAPONETTA A Z=4**



PROFIED INSERT CUTTERHEAD Z=4



ARTICOLO ITEM	Ø	SPESSORE THICKNESS
1.21/180x40	180	40
1.21/180x50	180	50
1.21/200x40	200	40
1.21/200x50	200	50
1.21/200x60	200	60

art. 1.22



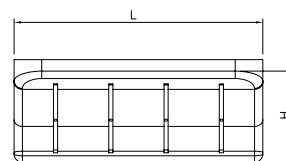
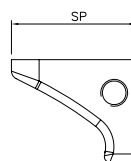
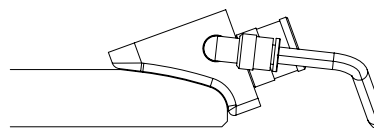
**TAMPONE SAGOMATO IN BRONZO PER
SQUADRATRICE**



**PROFIED PAD IN BRASS FOR DOUBLE-END-TENONER
MACHINE**



Teste portacoltelli / Cutter head



ARTICOLO ITEM	L	H	SPESSORE THICKNESS
1.22/90x25	90	37,1	25
1.22/90x29,2	90	37,1	29,2
1.22/90x35	90	37,1	35

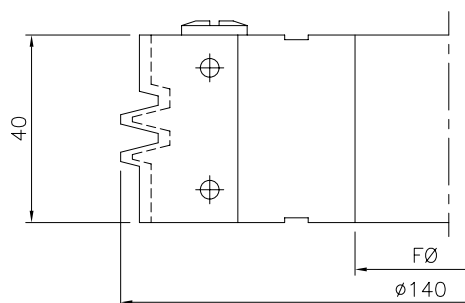
art. 1.32



**TESTA PORTACOLTELLI SAGOMATA PER
GIUNZIONI CON BATTUTA CENTRALE E
PROFONDITA' mm.8 A Z=3**



**REBATING AND JOINTING INSERT CUTTERHEAD Z=3, DEEPNESS
= 8mm**



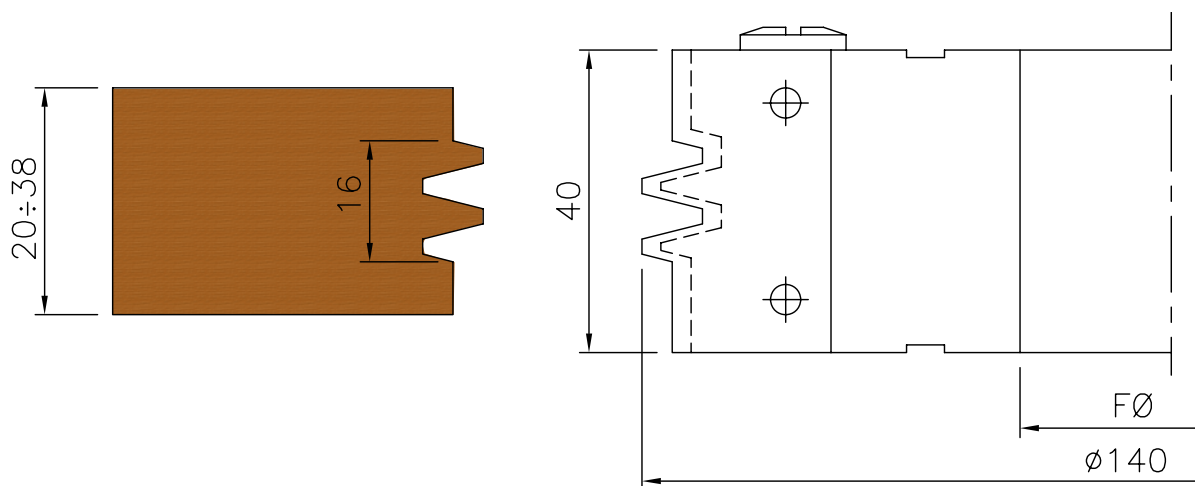
ARTICOLO ITEM	DESCRIZIONE DESCRIPTION
1.32/1	Testa portacoltelli sagomata Ø 140x40
	RICAMBI:
4.5015/40	Coltello hm sagomato mm.40x25x2
1.32/2	Testa portacoltelli sagomata Ø 140x50
	RICAMBI:
4.5015/50	Coltello hm sagomato mm.50x25x2
1.32/3	Testa portacoltelli sagomata Ø 140x60
	RICAMBI:
4.5015/60	Coltello hm sagomato mm.60x25x2
1.32/4	Testa portacoltelli sagomata Ø 140x70
	RICAMBI:
4.5015/70	Coltello hm sagomato mm.70x25x2
1.32/5	Testa portacoltelli sagomata Ø 140x80
	RICAMBI:
4.5015/80	Coltello hm sagomato mm.80x25x2

art. 1.32

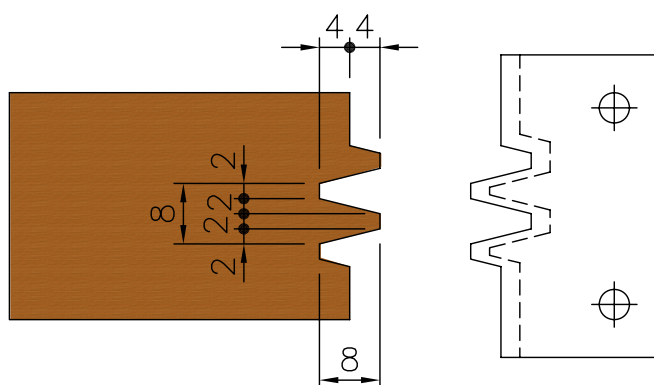
ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

Teste portacoltelli / Cutter head

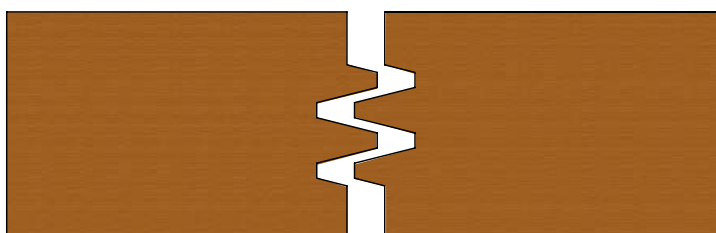
art. 1.32/1



RICAMBI / SPARE PARTS



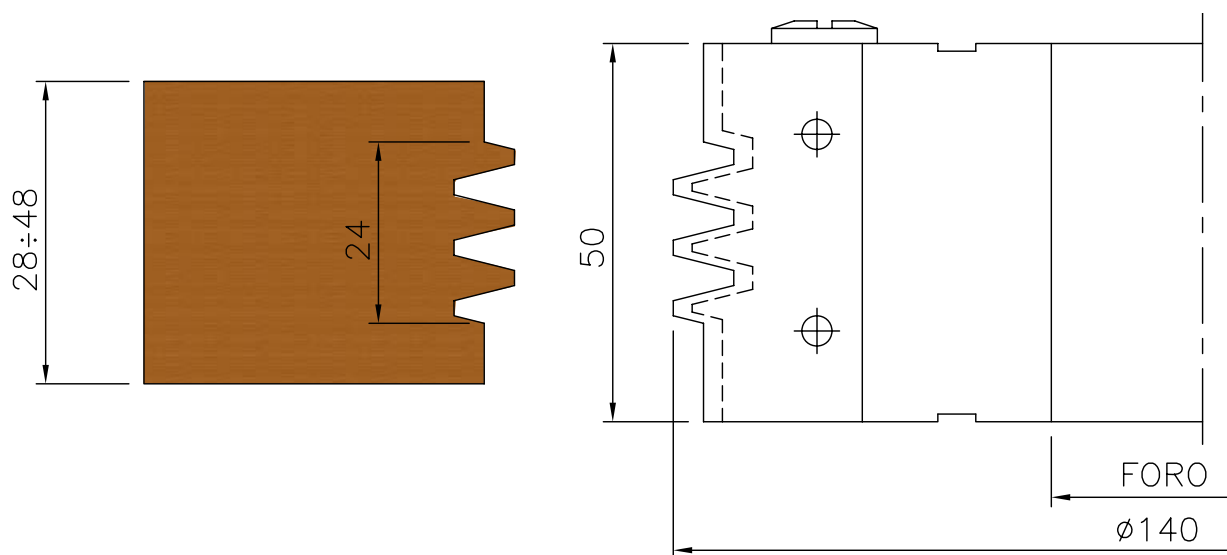
4.5015/40



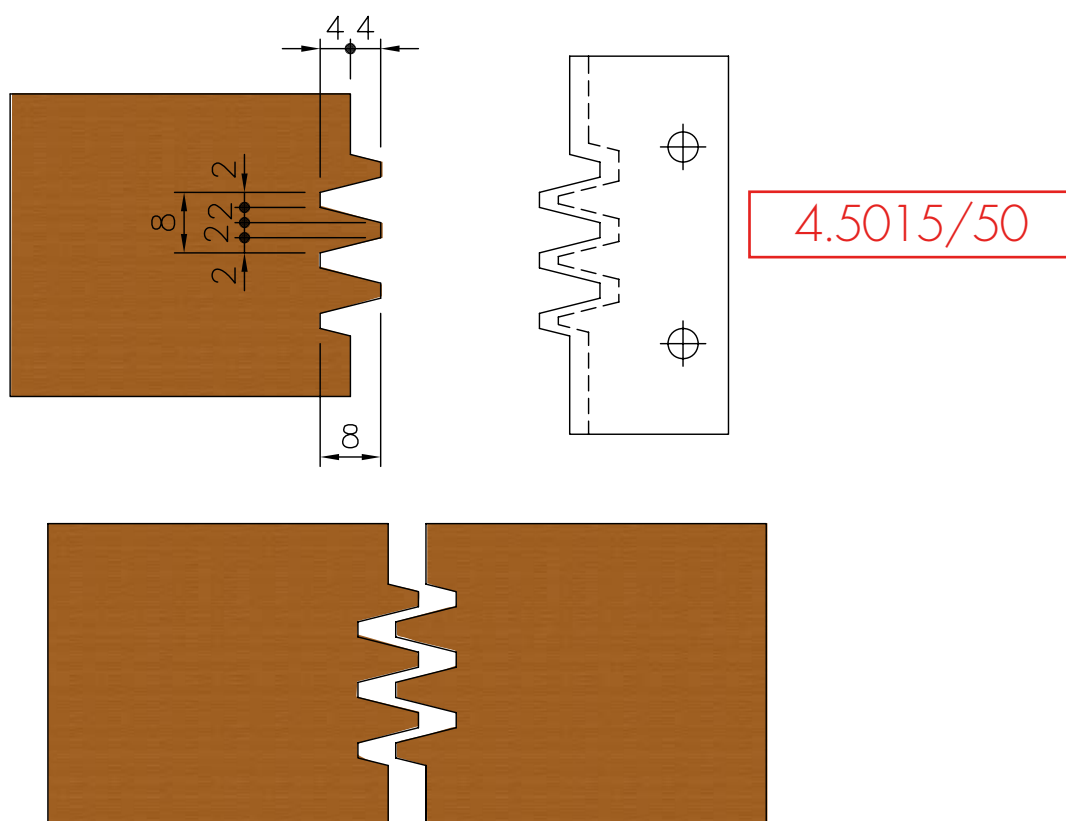
art. 1.32

ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

art. 1.32/2



RICAMBI / SPARE PARTS

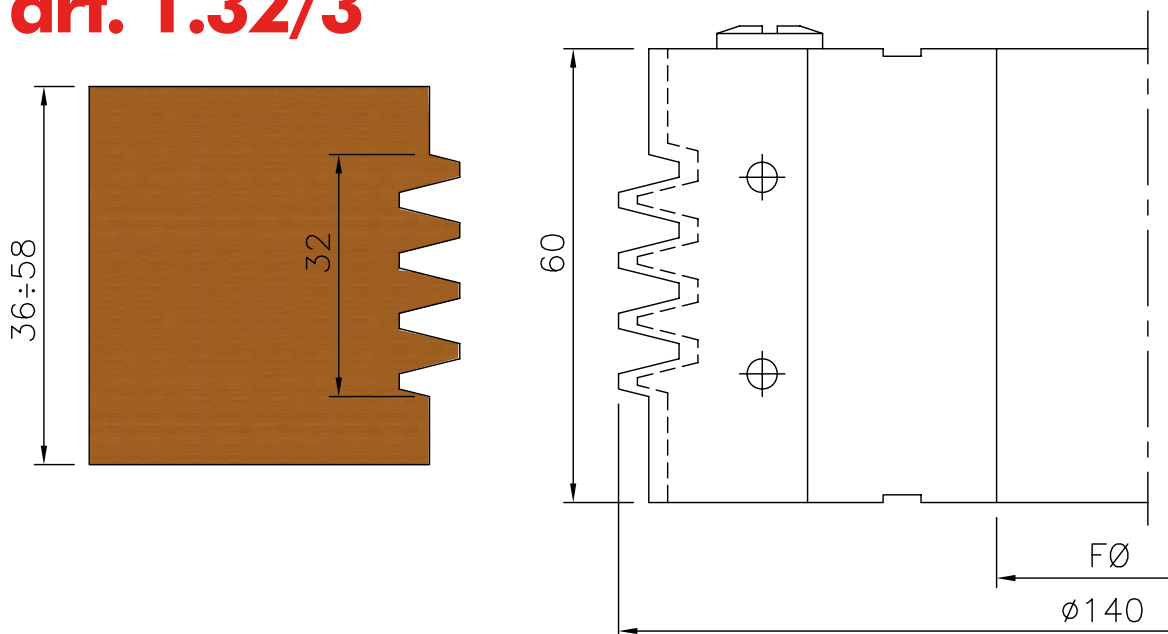


art. 1.32

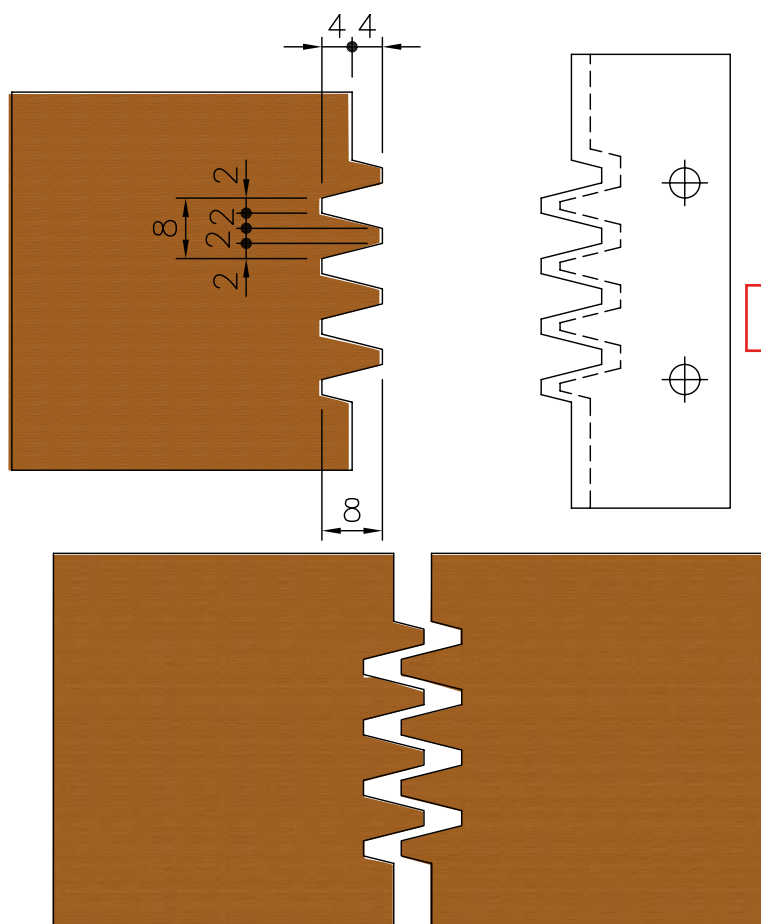
ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

Teste portacoltelli / Cutter head

art. 1.32/3



RICAMBI / SPARE PARTS

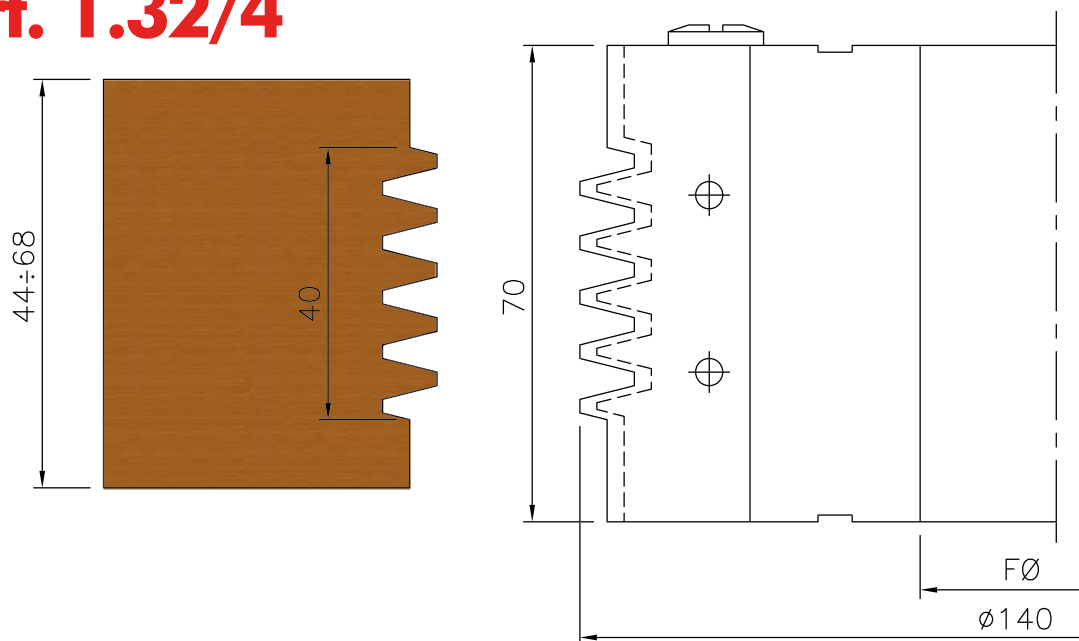


4.5015/60

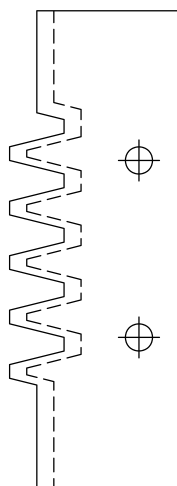
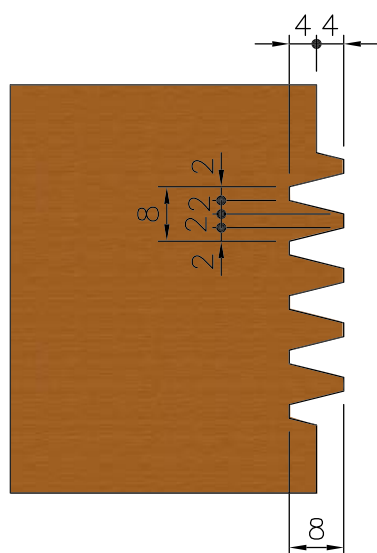
art. 1.32

ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

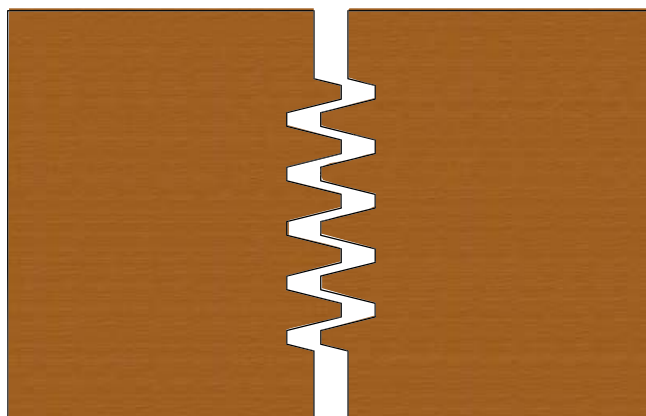
art. 1.32/4



RICAMBI / SPARE PARTS



4.5015/70

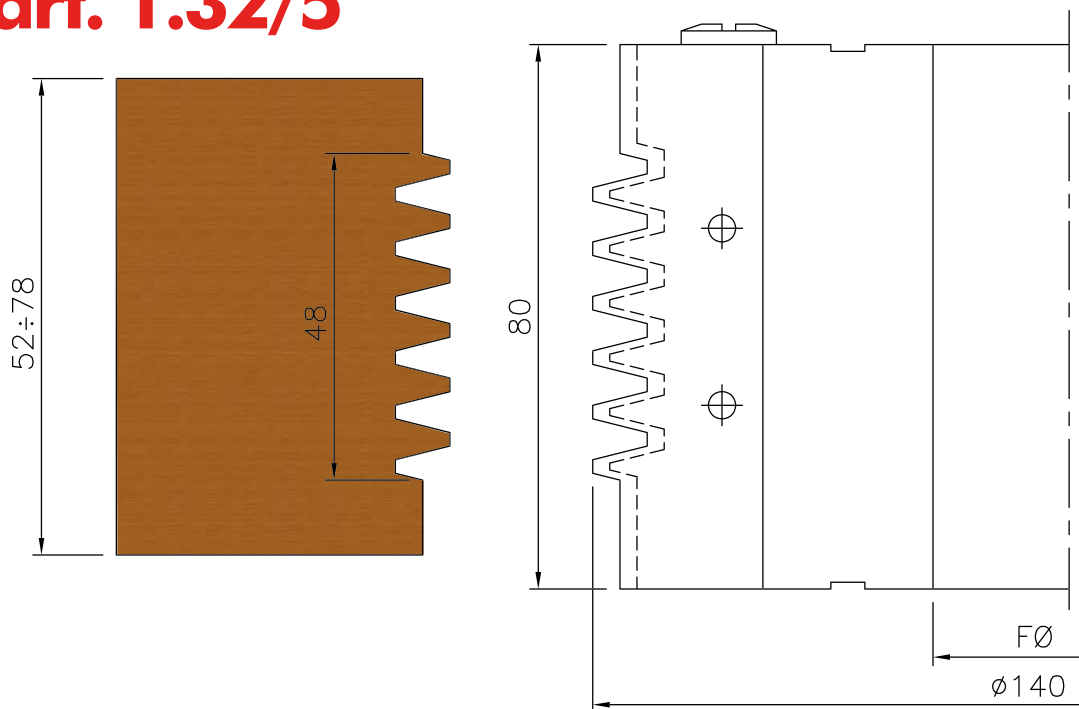


art. 1.32

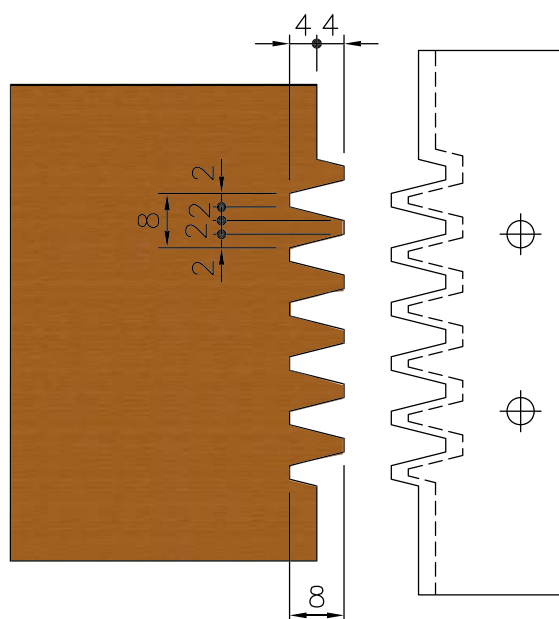
ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

Teste portacoltelli / Cutter head

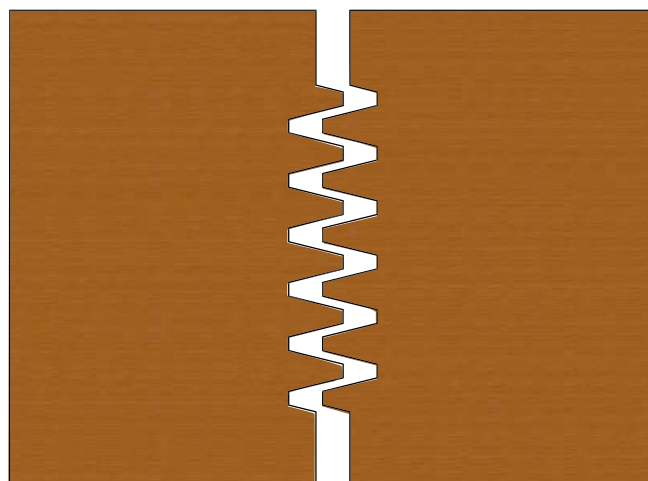
art. 1.32/5



RICAMBI / SPARE PARTS



4.5015/80



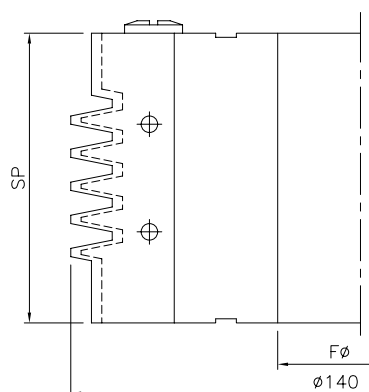
art. 1.32A



**TESTA PORTACOLTELLI SAGOMATA PER
GIUNZIONI CON BATTUTA CENTRALE E
PROFONDITA' mm.10 A Z=3**



**REBATING AND JOINTING INSERT CUTTERHEAD Z=3, DEEPNESS
= 10 mm**



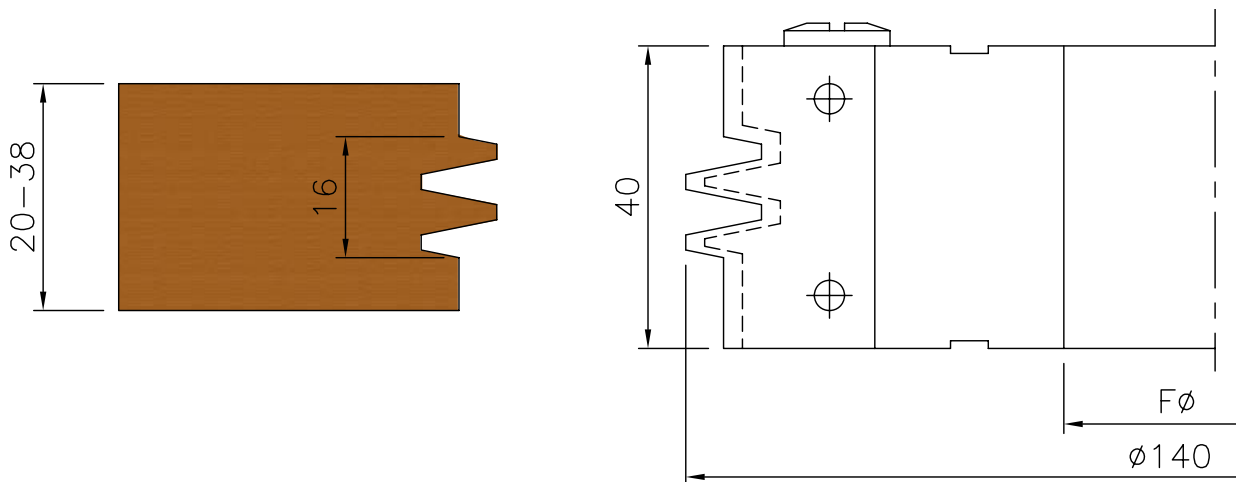
ARTICOLO ITEM	DESCRIZIONE DESCRIPTION
1.32A/1	Testa portacoltelli sagomata Ø 140x40
	RICAMBI:
4.5016/40	Coltello hm sagomato mm.40x25x2
1.32A/2	Testa portacoltelli sagomata Ø 140x50
	RICAMBI:
4.5016/50	Coltello hm sagomato mm.50x25x2
1.32A/3	Testa portacoltelli sagomata Ø 140x60
	RICAMBI:
4.5016/60	Coltello hm sagomato mm.60x25x2
1.32A/4	Testa portacoltelli sagomata Ø 140x70
	RICAMBI:
4.5016/70	Coltello hm sagomato mm.70x25x2
1.32A/5	Testa portacoltelli sagomata Ø 140x80
	RICAMBI:
4.5016/80	Coltello hm sagomato mm.80x25x2

art. 1.32A

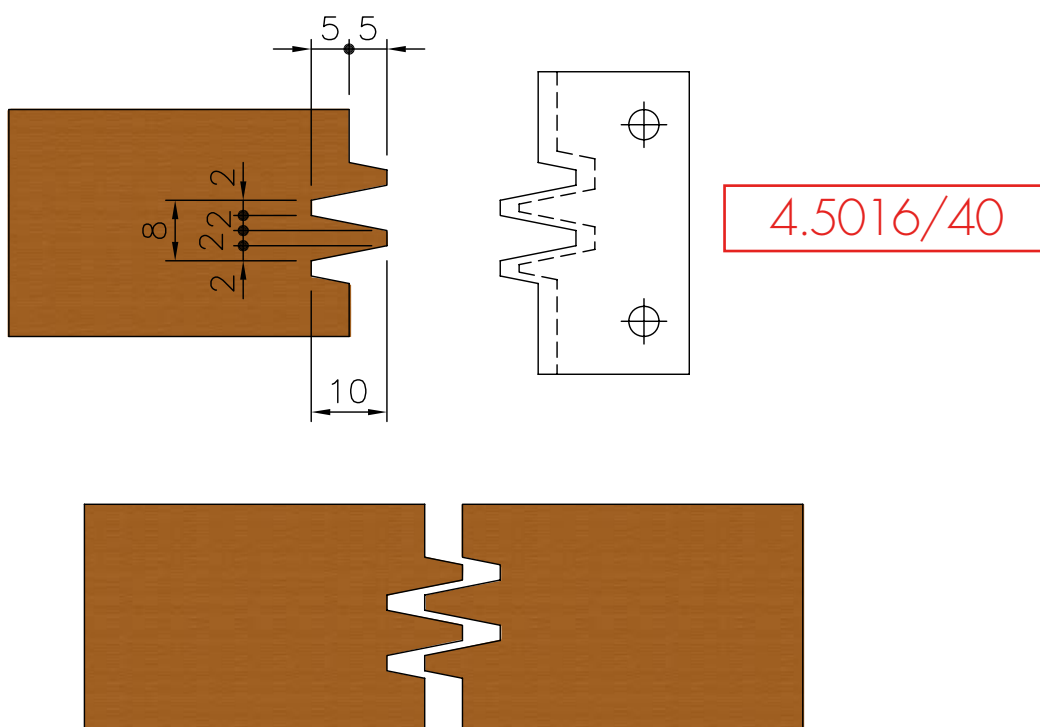
ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

Teste portacoltelli / Cutter head

art. 1.32A/1



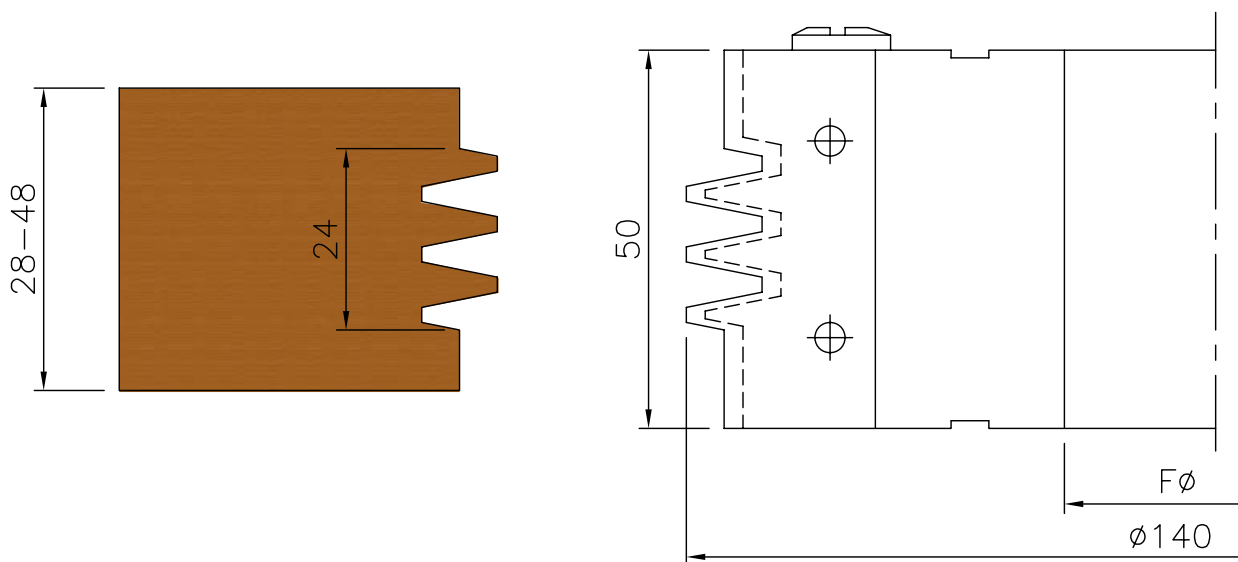
RICAMBI / SPARE PARTS



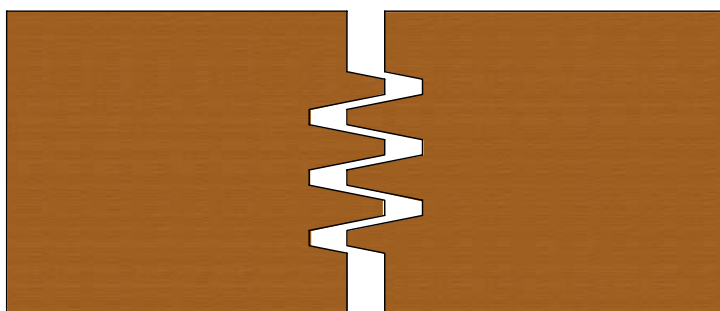
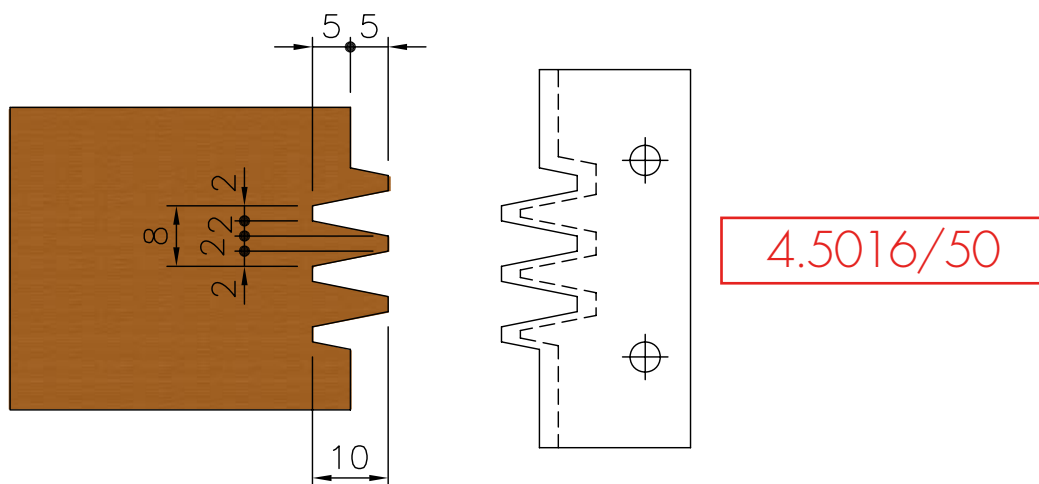
art. 1.32A

ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

art. 1.32A/2



RICAMBI / SPARE PARTS

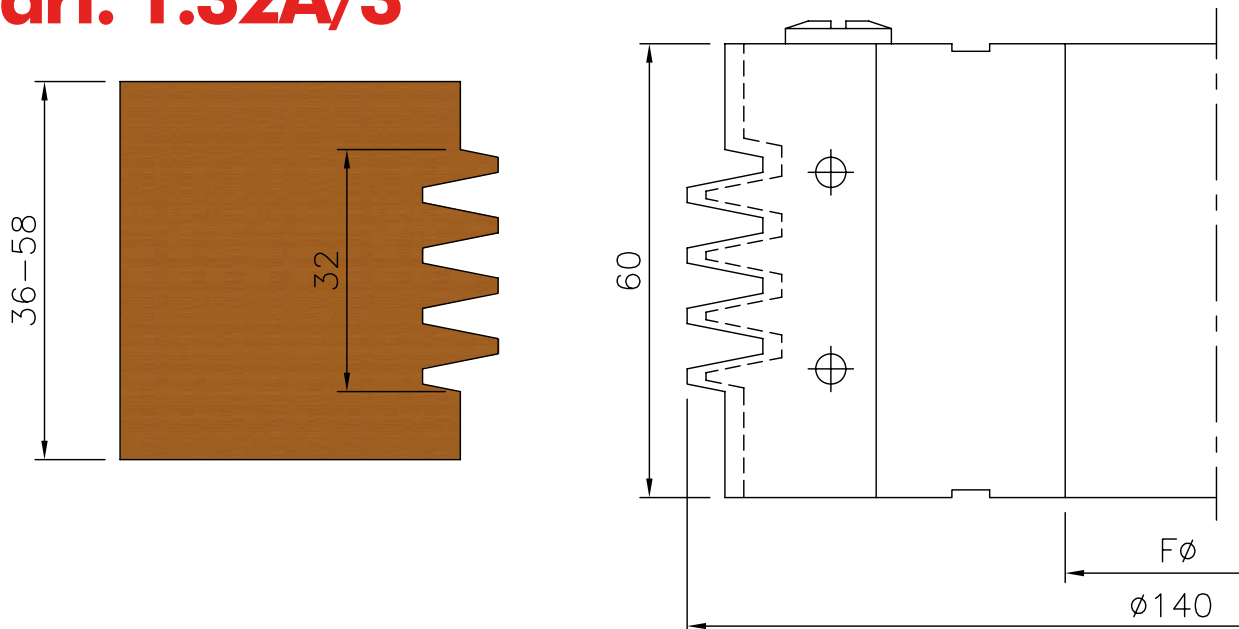


art. 1.32A

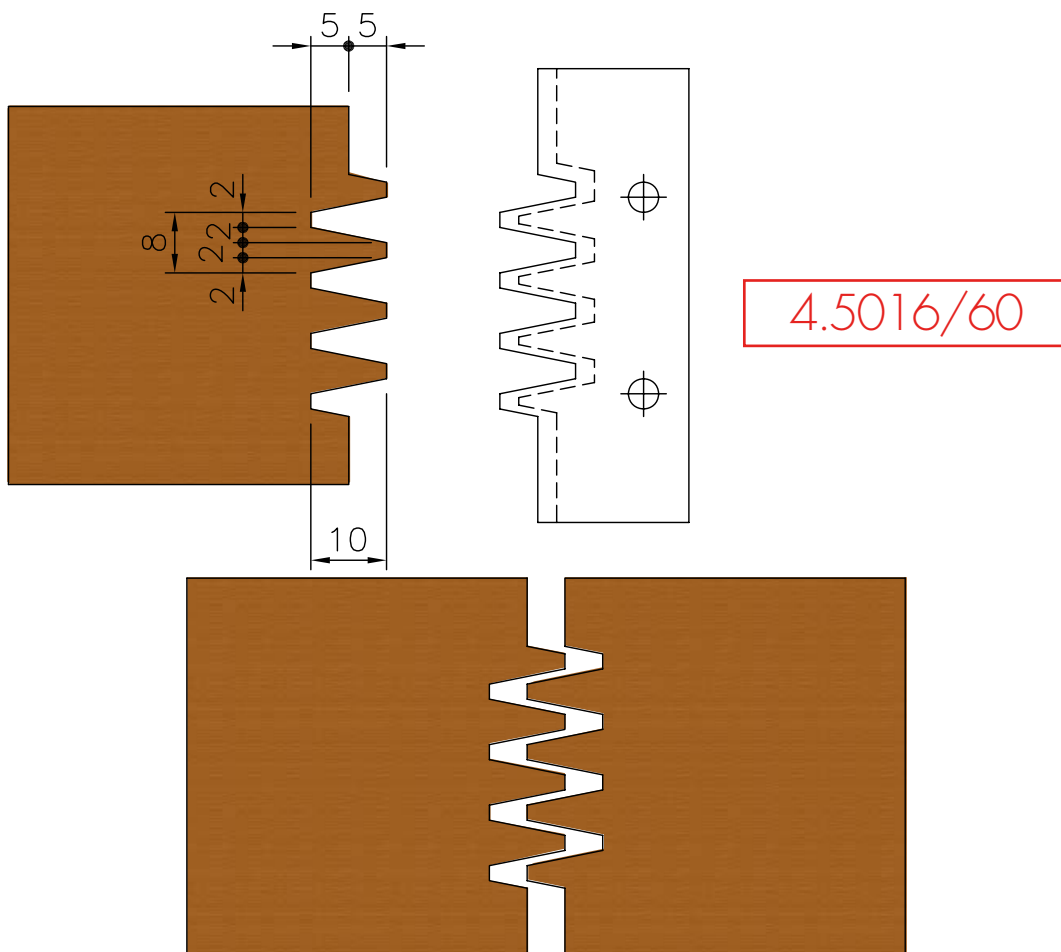
ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

Teste portacoltelli / Cutter head

art. 1.32A/3



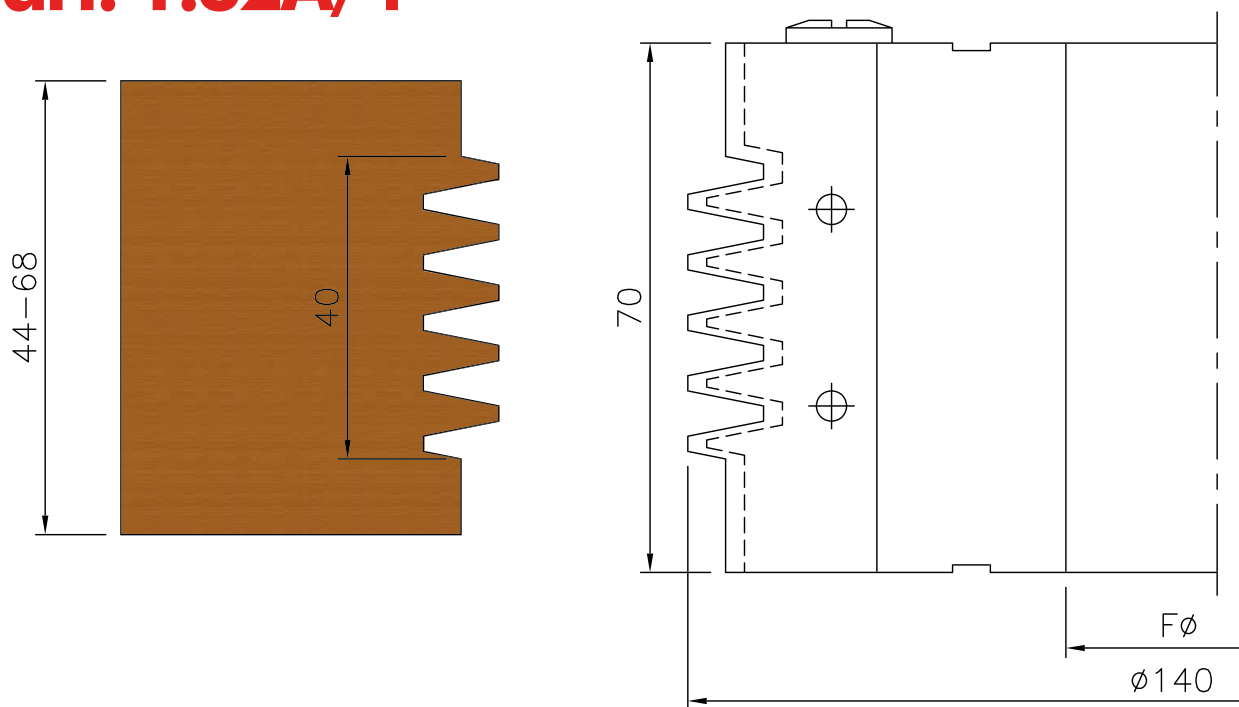
RICAMBI / SPARE PARTS



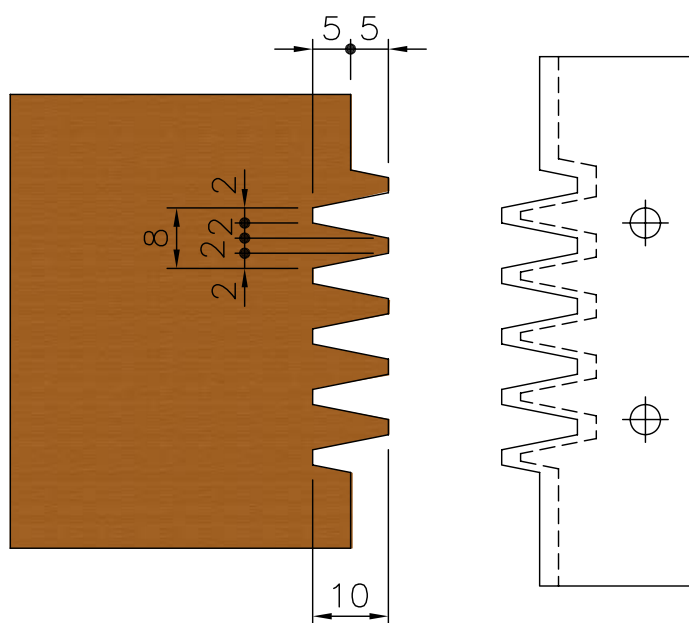
art. 1.32A

ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

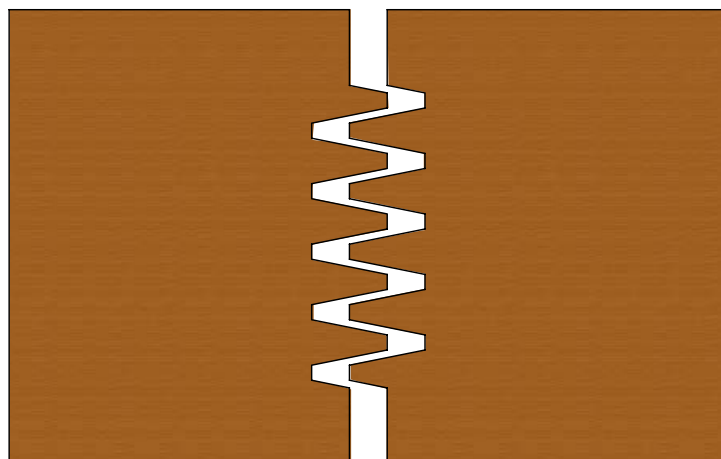
art. 1.32A/4



RICAMBI / SPARE PARTS



4.5016/70

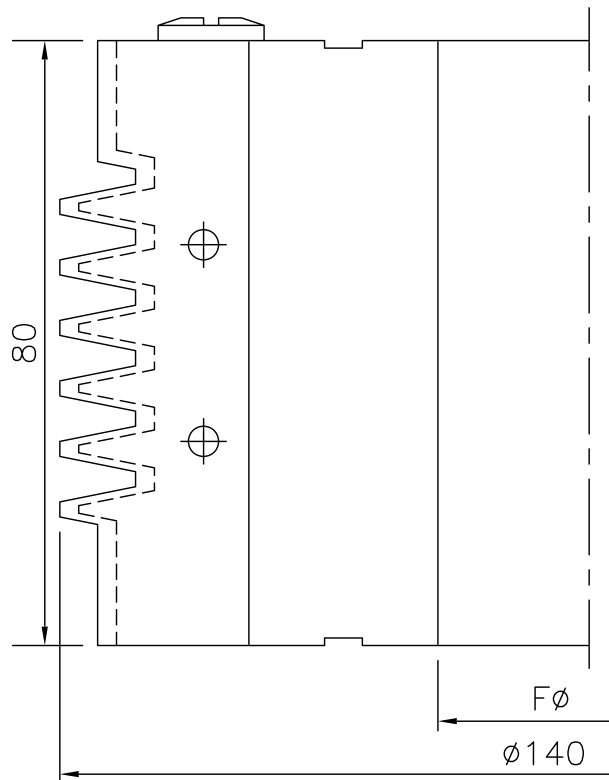
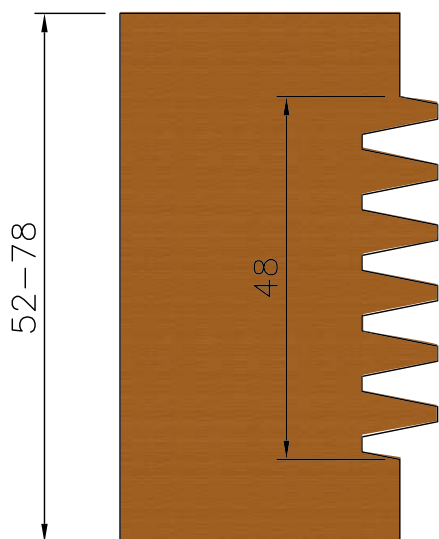


art. 1.32A

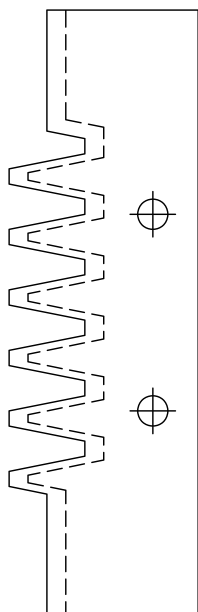
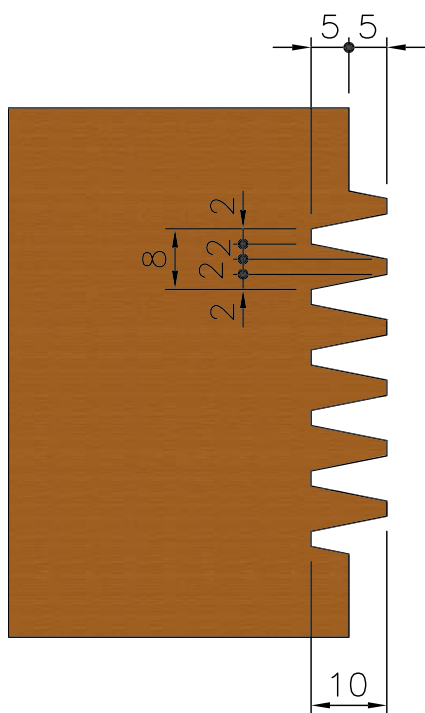
ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

Teste portacoltelli / Cutter head

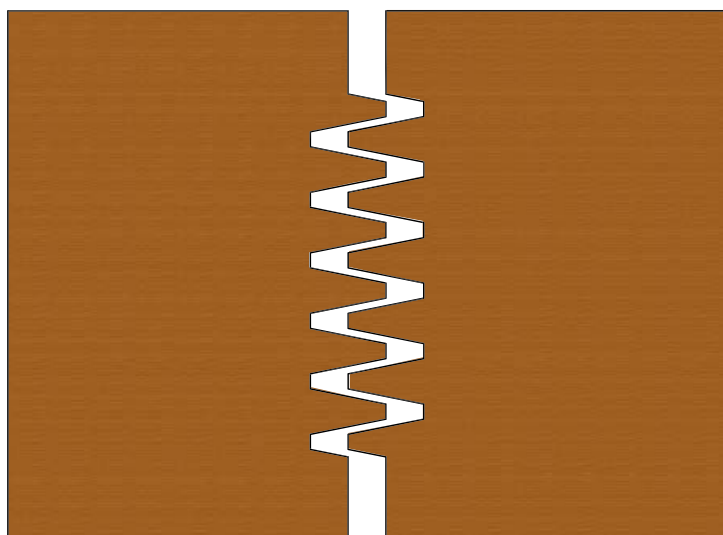
art. 1.32A/5



RICAMBI / SPARE PARTS



4.5016/80



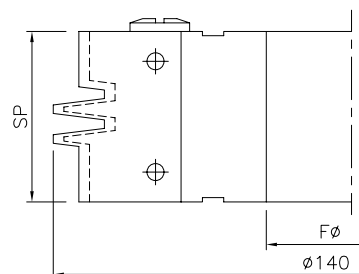
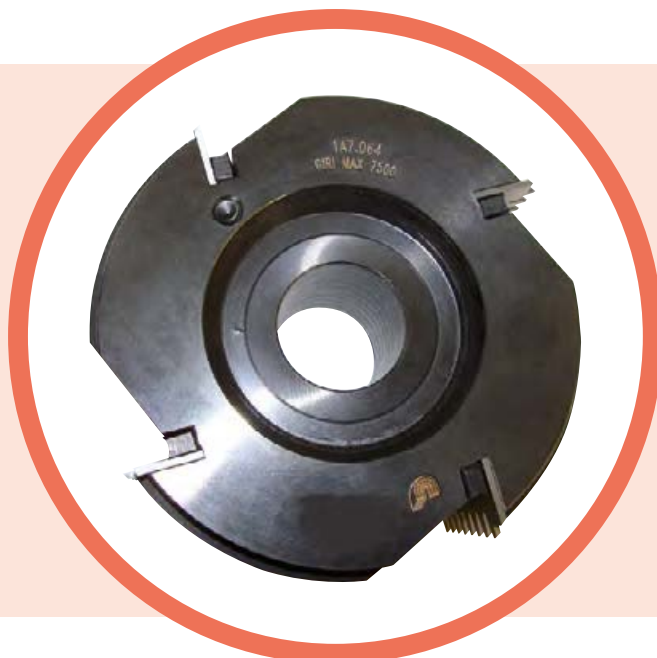
art. 1.32B



**TESTA PORTACOLTELLI SAGOMATA PER
GIUNZIONI CON BATTUTA CENTRALE E
PROFONDITA' mm.12 A Z=3**



**REBATING AND JOINTING INSERT CUTTERHEAD Z=3, DEEPNESS
= 12 mm**



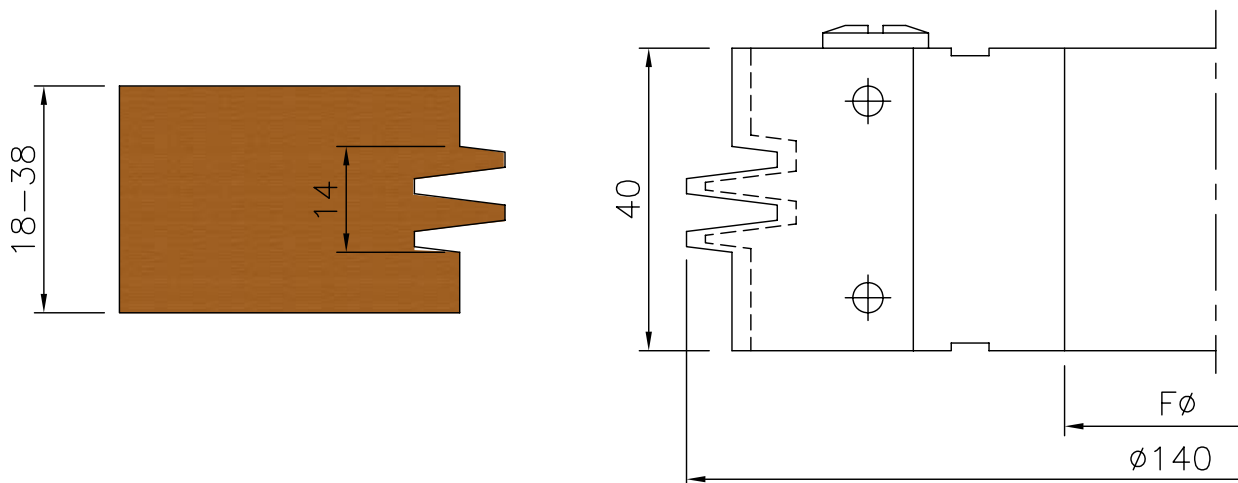
ARTICOLO ITEM	DESCRIZIONE DESCRIPTION
1.32B/1	Testa portacoltelli sagomata Ø 140x40
	RICAMBI:
4.5017/40	Coltello hm sagomato mm.40x30x2
1.32B/2	Testa portacoltelli sagomata Ø 140x50
	RICAMBI:
4.5017/50	Coltello hm sagomato mm.50x30x2
1.32B/3	Testa portacoltelli sagomata Ø 140x60
	RICAMBI:
4.5017/60	Coltello hm sagomato mm.60x30x2
1.32B/4	Testa portacoltelli sagomata Ø 140x70
	RICAMBI:
4.5017/70	Coltello hm sagomato mm.70x30x2
1.32B/5	Testa portacoltelli sagomata Ø 140x80
	RICAMBI:
4.5017/80	Coltello hm sagomato mm.80x30x2

art. 1.32B

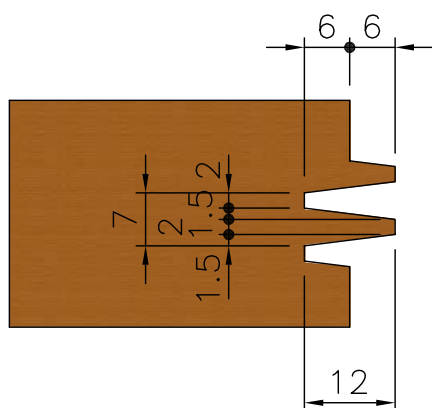
ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

Teste portacoltelli / Cutter head

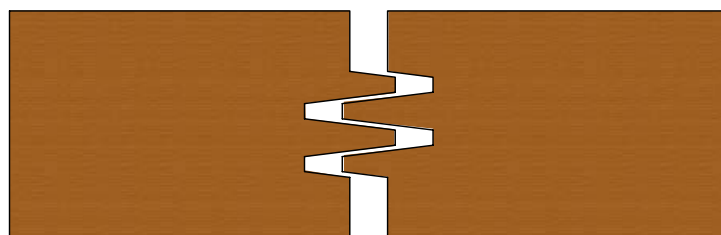
art. 1.32B/1



RICAMBI / SPARE PARTS



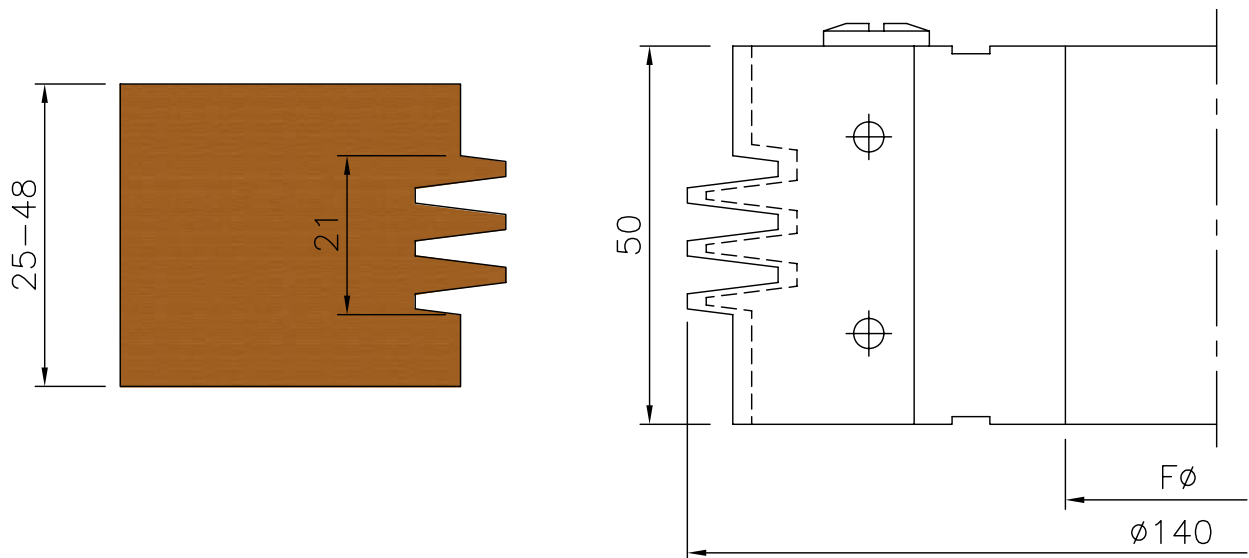
4.5017/40



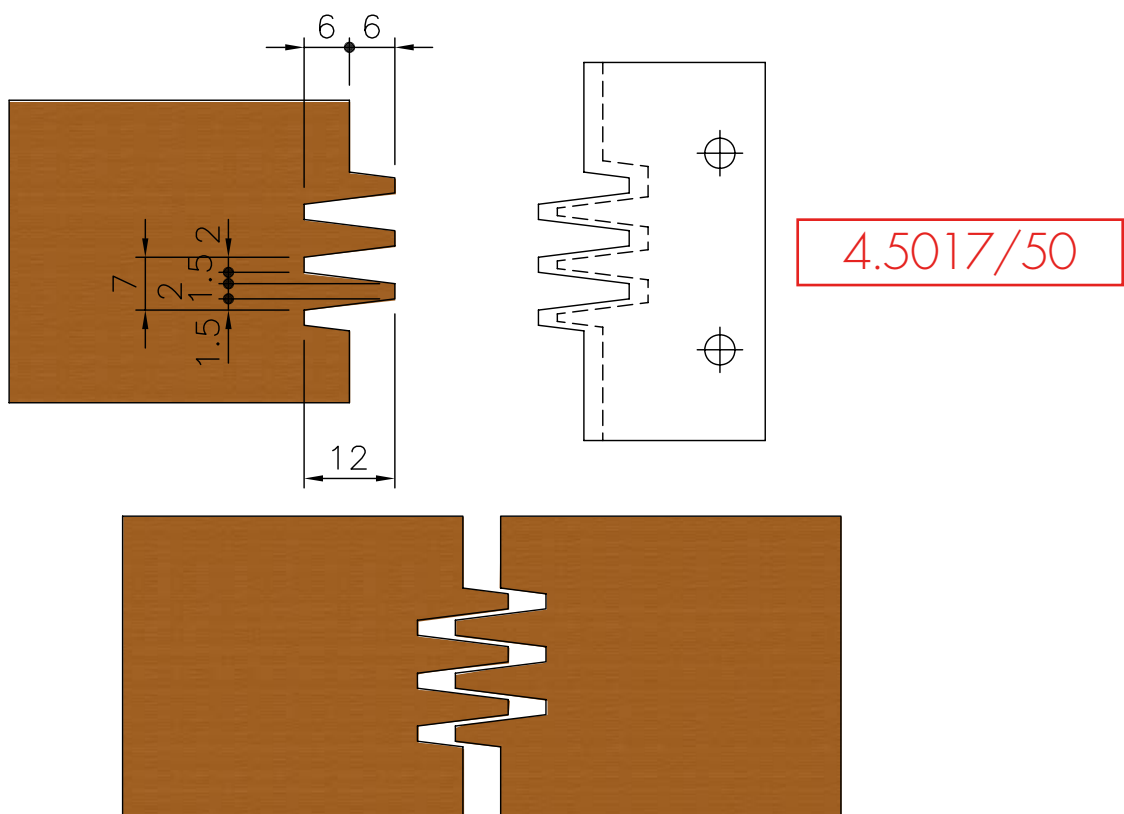
art. 1.32B

ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

art. 1.32B/2



RICAMBI / SPARE PARTS

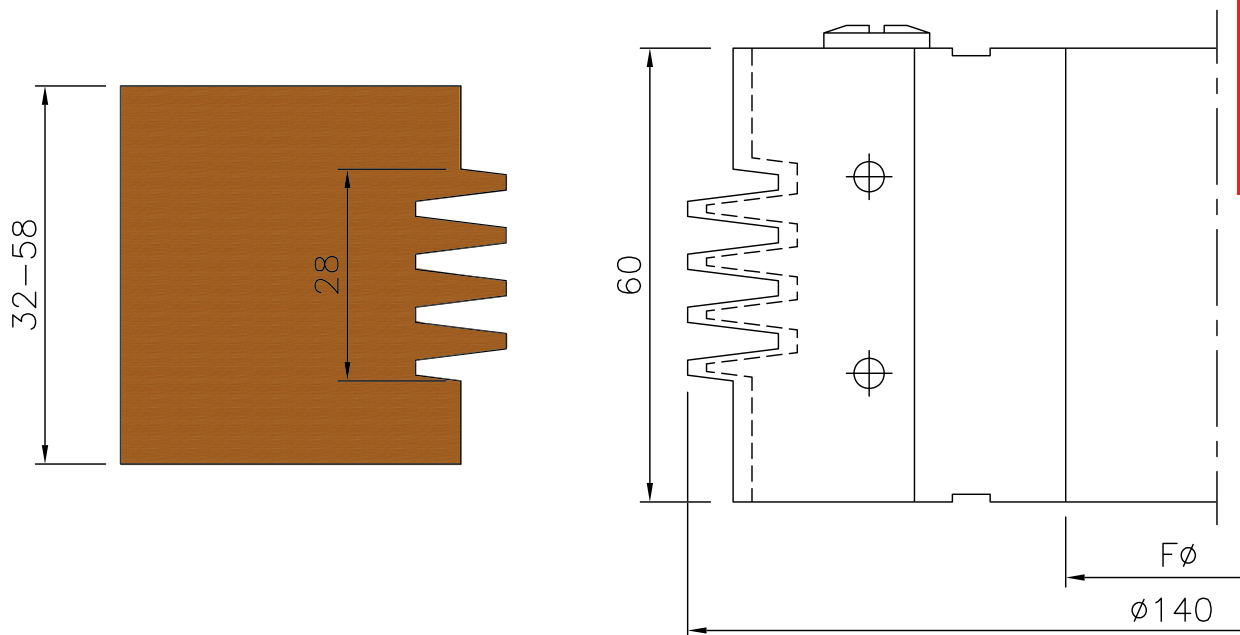


art. 1.32B

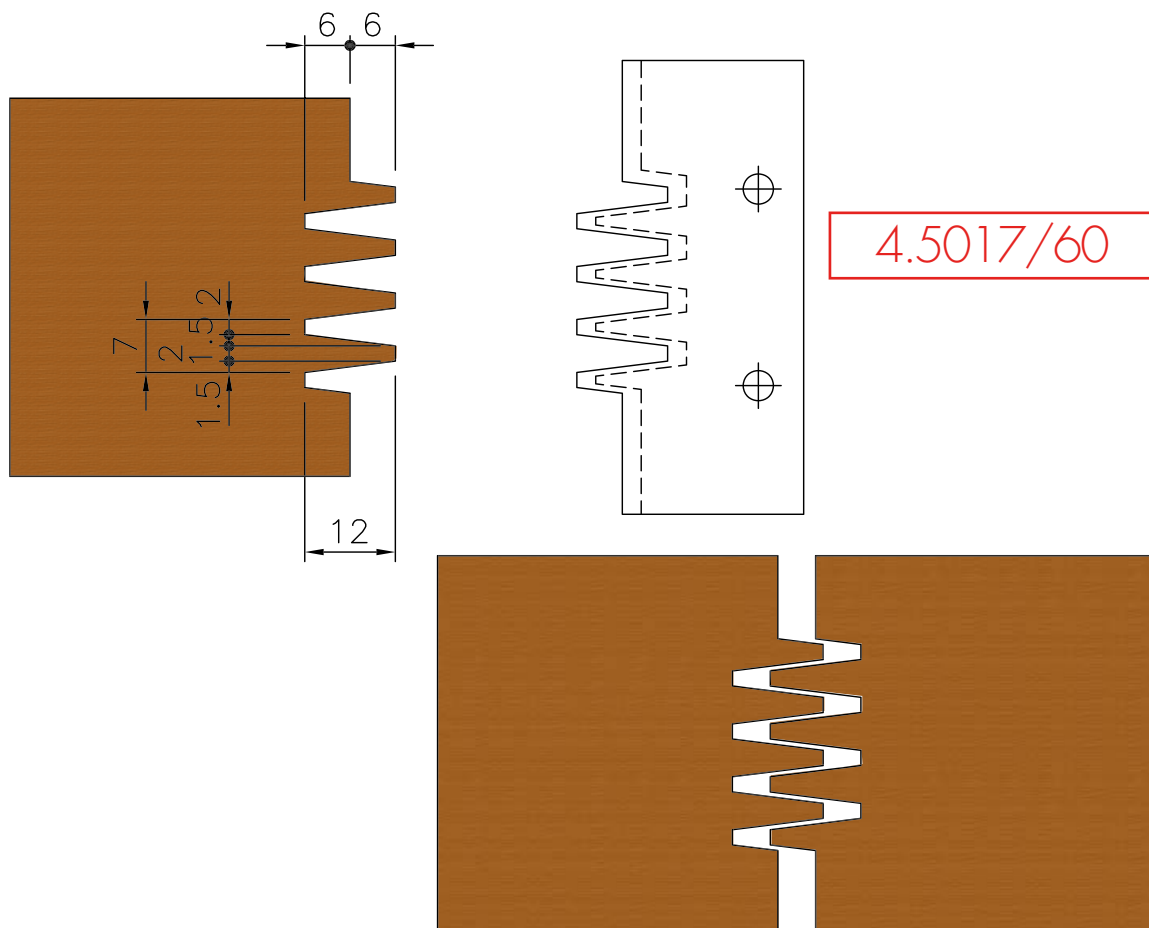
ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

Teste portacoltelli / Cutter head

art. 1.32B/3



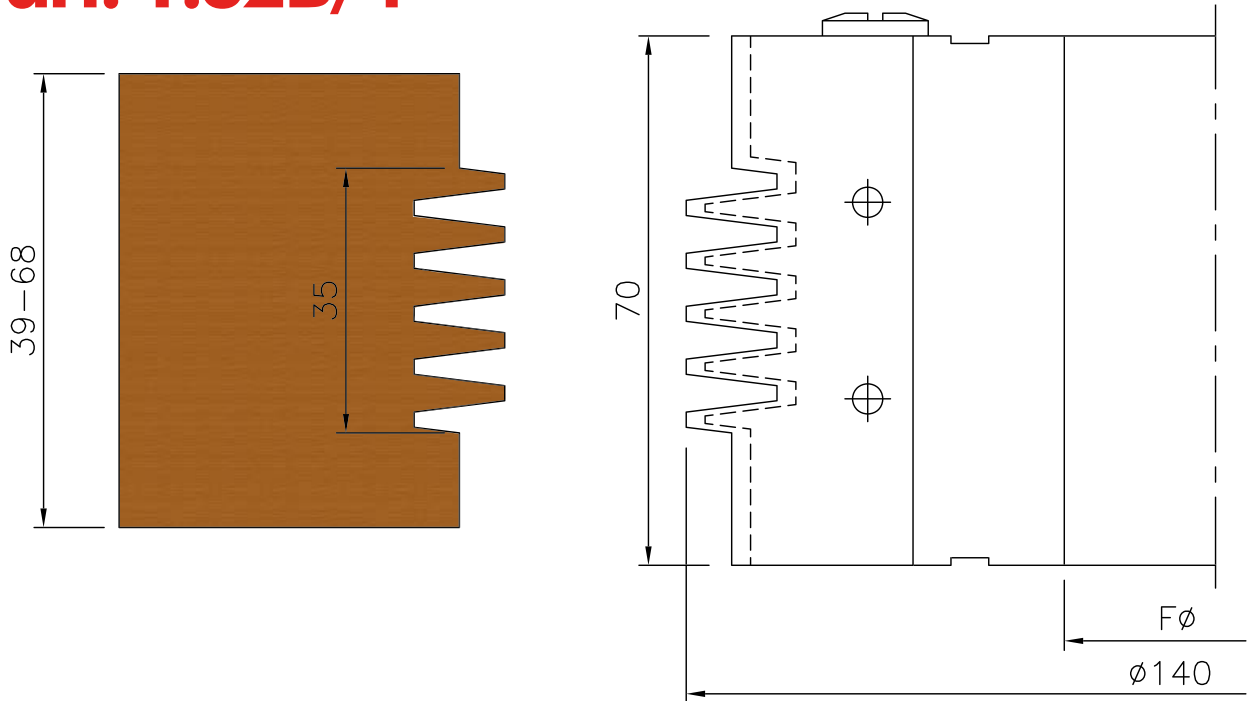
RICAMBI / SPARE PARTS



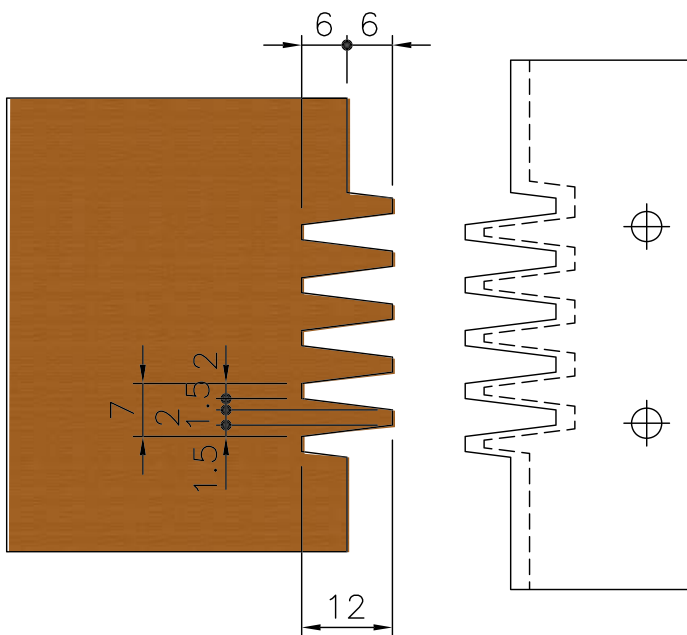
art. 1.32B

ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

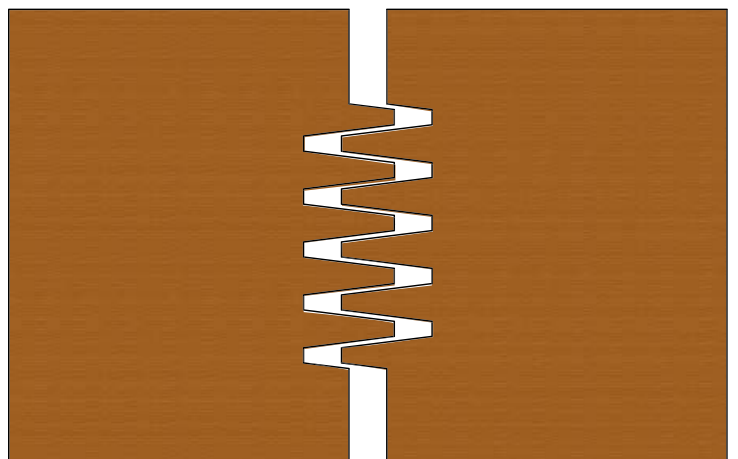
art. 1.32B/4



RICAMBI / SPARE PARTS



4.5017/70

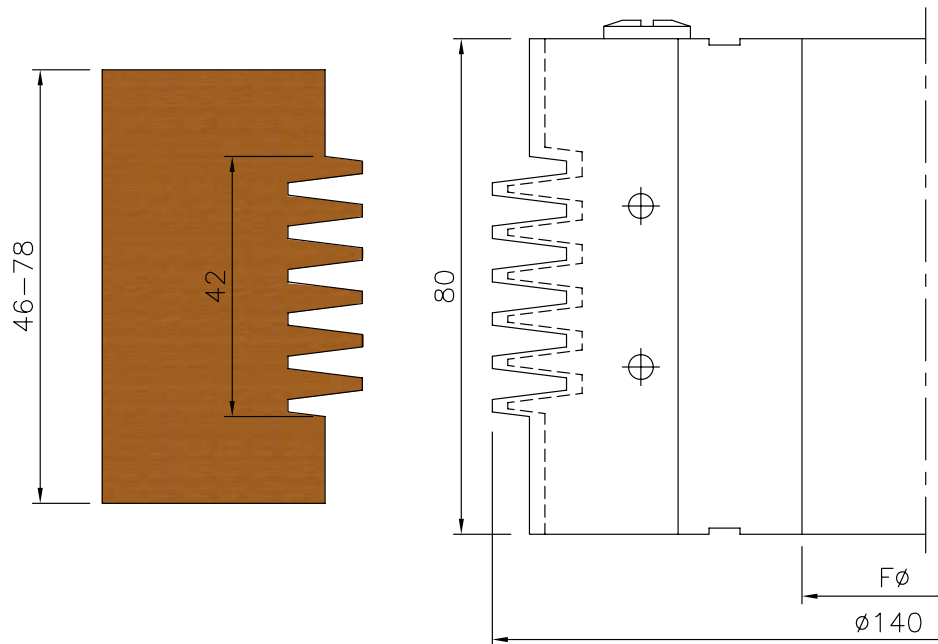


art. 1.32B

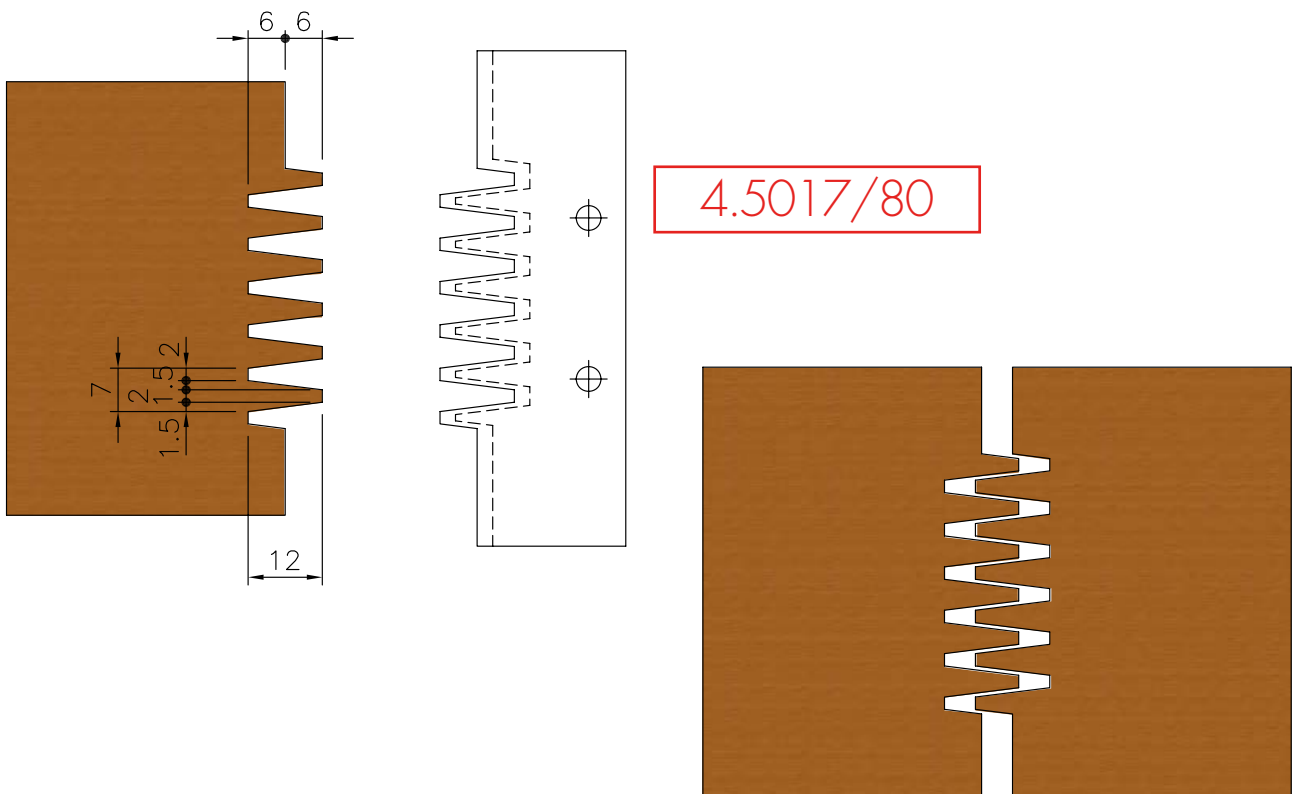
ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

Teste portacoltelli / Cutter head

art. 1.32B/5



RICAMBI / SPARE PARTS



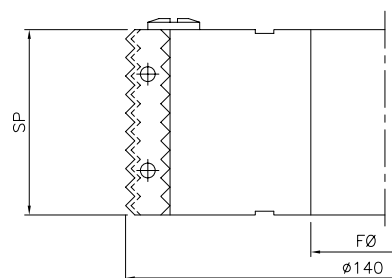
art. 1.33



**TESTA PORTACOLTELLI SAGOMATA PER
GIUNZIONI CON COLTELLO REVERSIBILE A Z=3**



JOINTING CUTTERHEAD WITH TURNOVER KNIVES Z=3



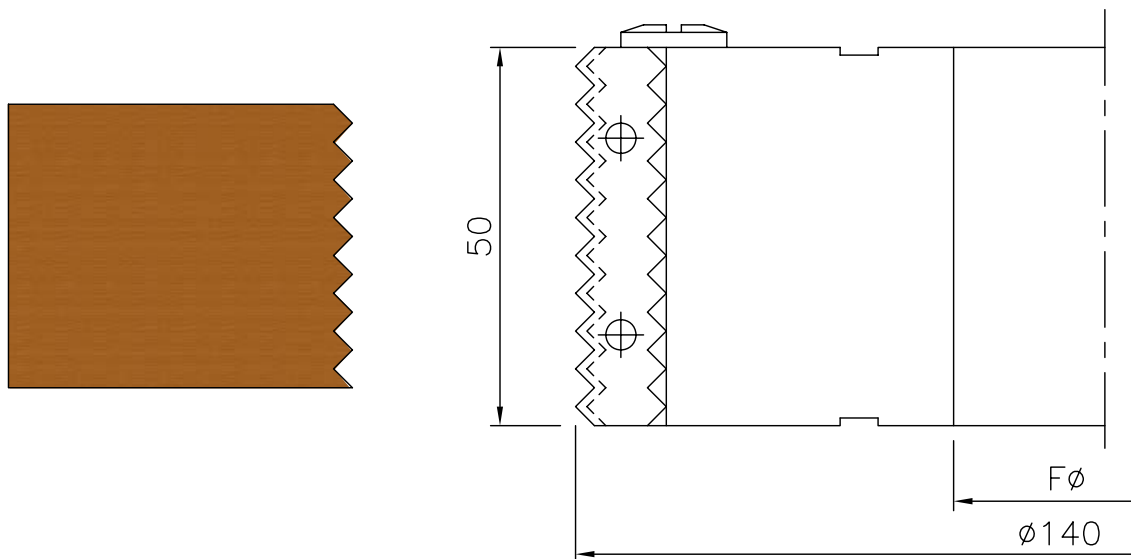
ARTICOLO ITEM	DESCRIZIONE DESCRIPTION
1.33/1	Testa portacoltelli sagomata Ø 140x50
	RICAMBI:
4.5018/50	Coltello hm sagomato mm.50x12x1,5
1.33/2	Testa portacoltelli sagomata Ø 140x80
	RICAMBI:
4.5018/80	Coltello hm sagomato mm.80x13x2,2

art. 1.33

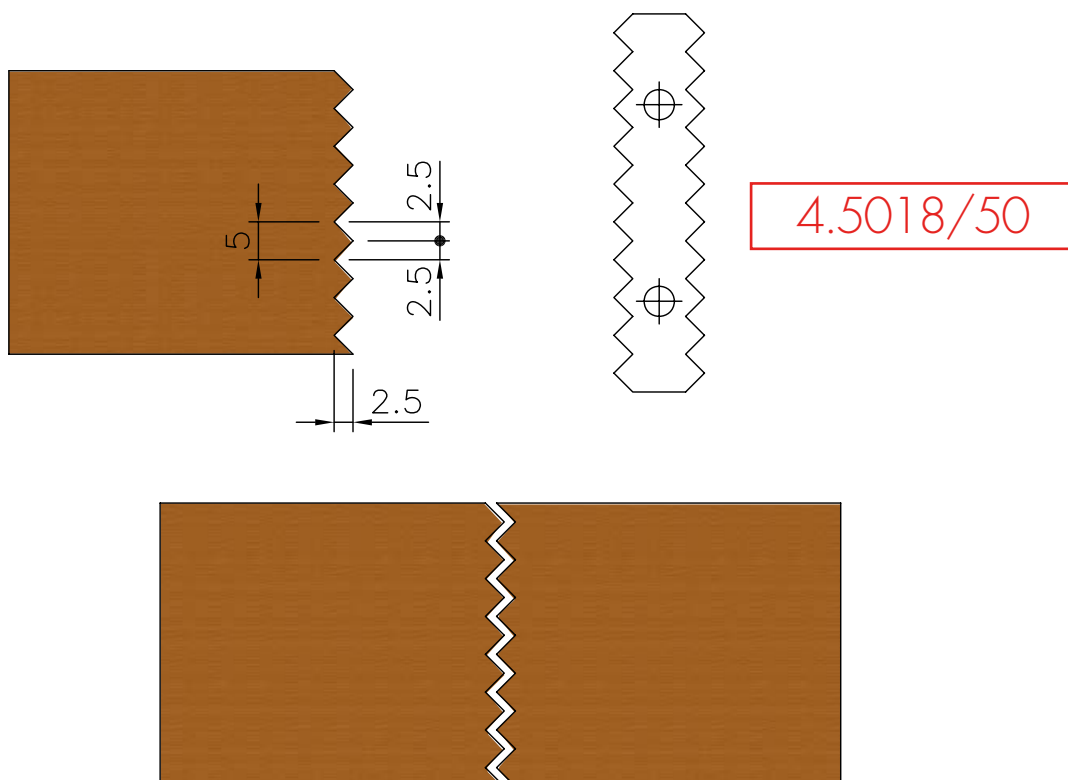
ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

Teste portacoltelli / Cutter head

art. 1.33/1



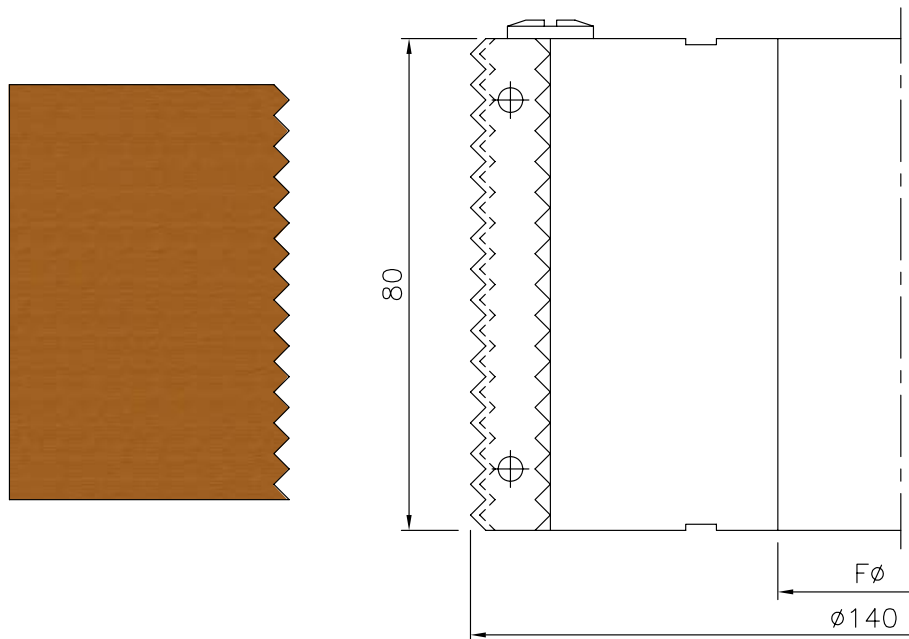
RICAMBI / SPARE PARTS



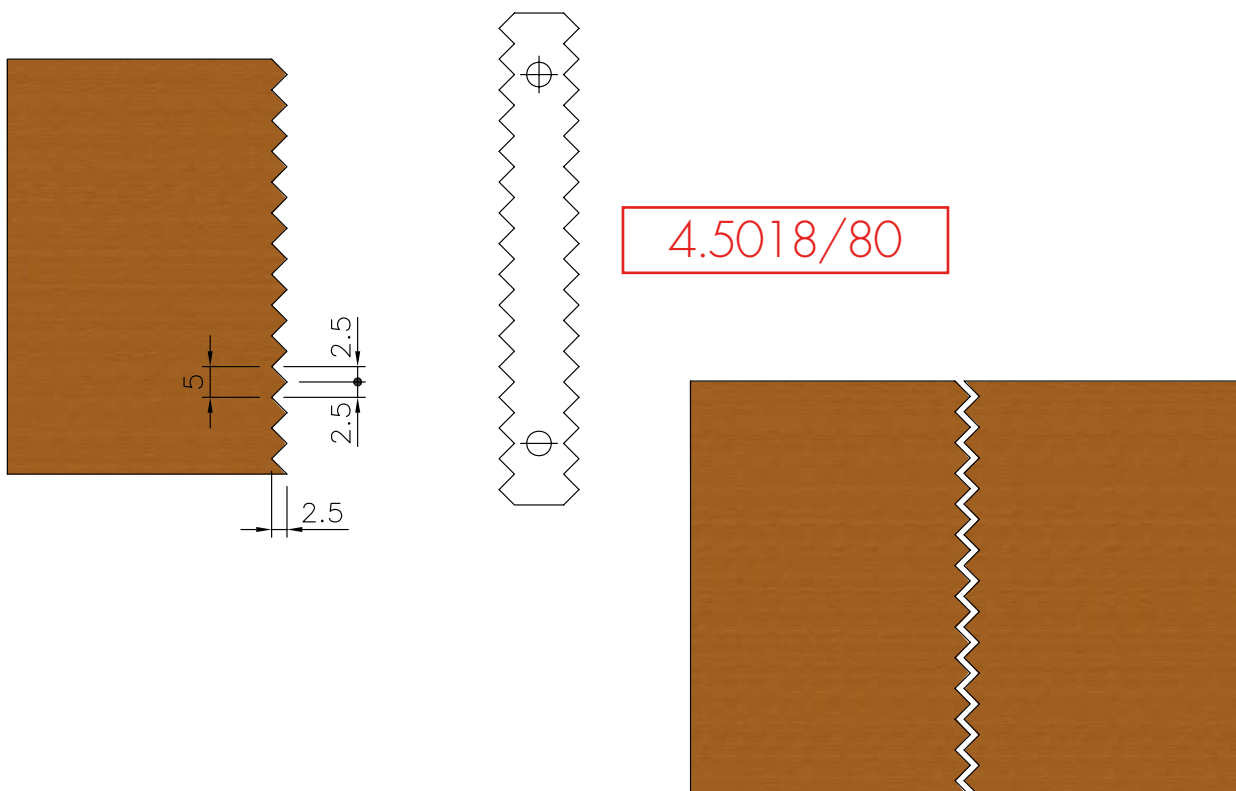
art. 1.33

ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

art. 1.33/2



RICAMBI / SPARE PARTS



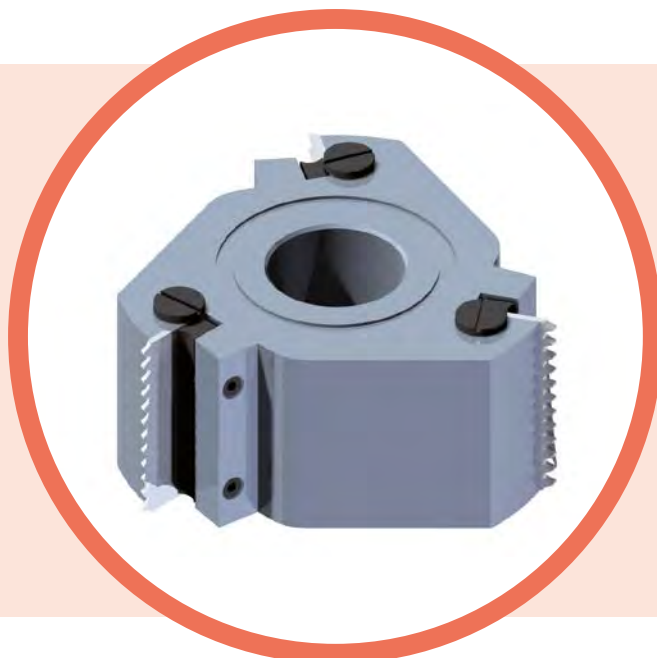
art. 1.33A



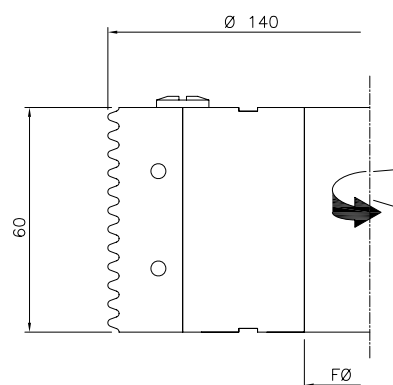
**TESTA PORTACOLTELLI SAGOMATA PER
GIUNZIONI A Z=3**



JOINTING INSERT CUTTERHEAD Z=3



Teste portacoltelli / Cutter head

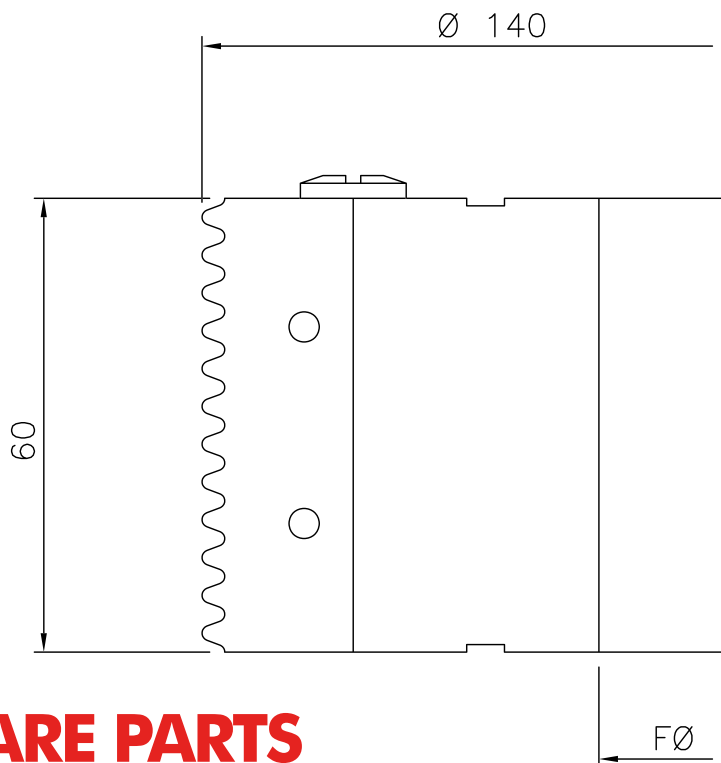


ARTICOLO ITEM	DESCRIZIONE DESCRIPTION
1.33A/1	Testa portacoltelli sagomata Ø 140x60
	RICAMBI:
4.5019/60	Coltello hm sagomato mm.60x20x2

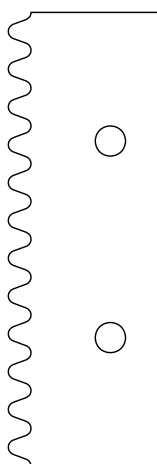
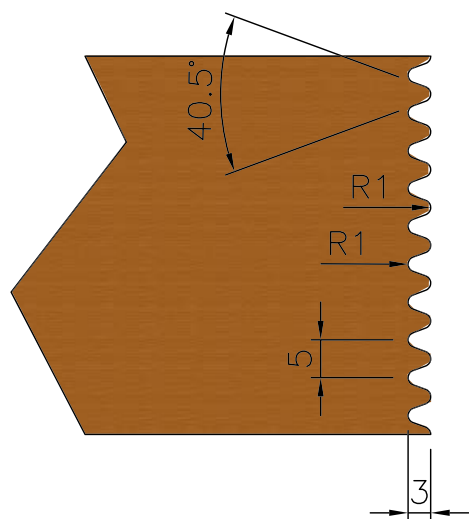
art. 1.33A

ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

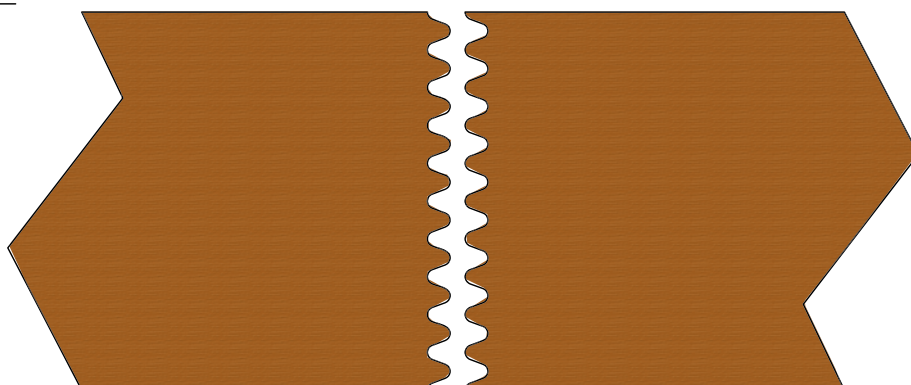
art. 1.33A



RICAMBI / SPARE PARTS



4.5019/60



art. 1.34



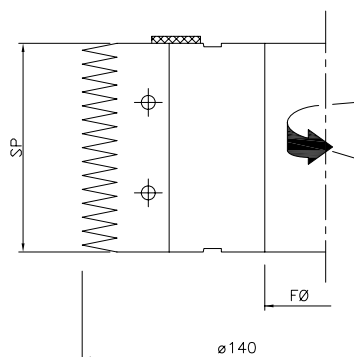
**TESTA PORTACOLTELLI SAGOMATA PER
GIUNZIONI MINIZINCHEN A Z=2+2**



MICRO FINGER JOINTING CUTTERHEAD Z=2+2



Teste portacoltelli / Cutter head

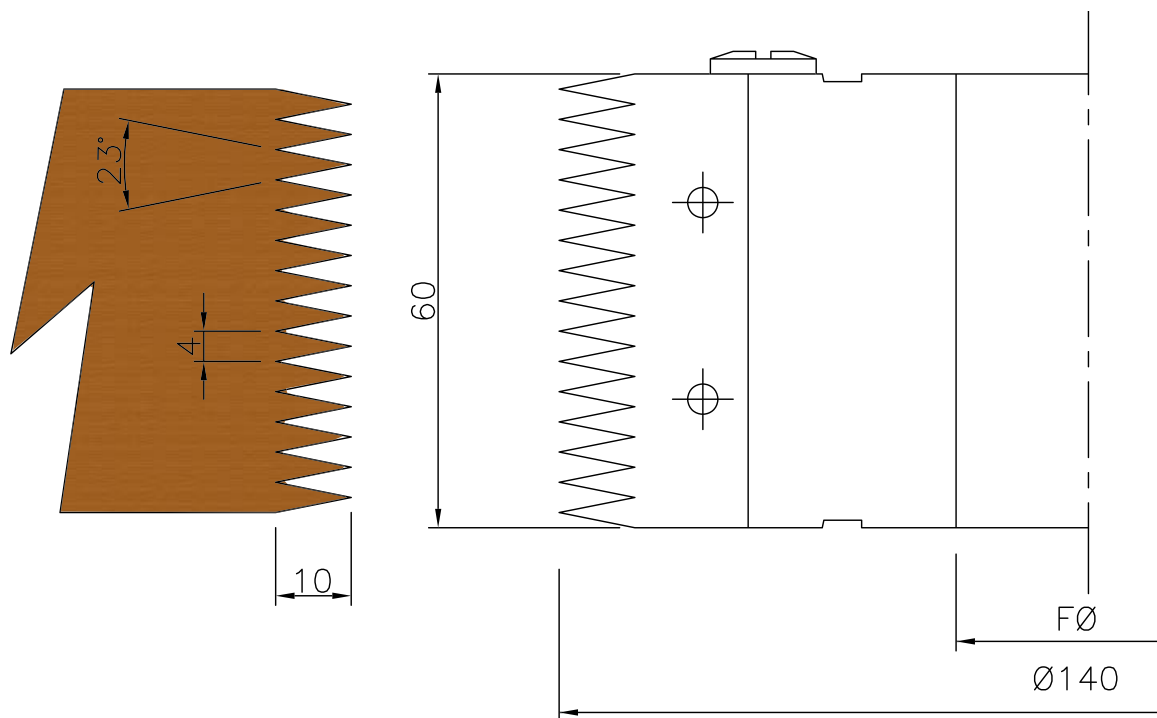


ARTICOLO ITEM	DESCRIZIONE DESCRIPTION
1.34/1	Testa portacoltelli sagomata Ø 140x60
	RICAMBI:
4.5020/60A	Coltello hm sagomato mm.60x25x2
4.5020/60B	Coltello hm sagomato mm.60x25x2
1.34/2	Testa portacoltelli sagomata Ø 140x80
	RICAMBI:
4.5020/80A	Coltello hm sagomato mm.80x25x2
4.5020/80B	Coltello hm sagomato mm.80x25x2

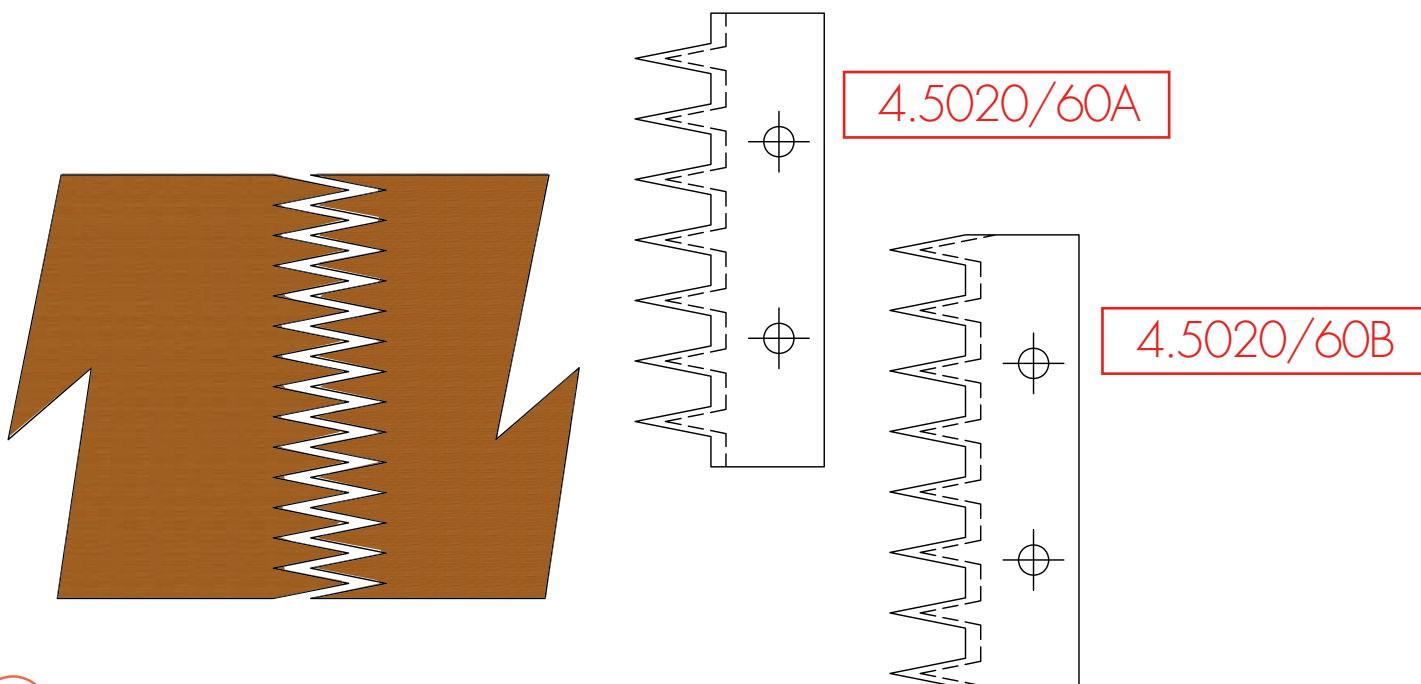
art. 1.34

ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

art. 1.34/1



RICAMBI / SPARE PARTS

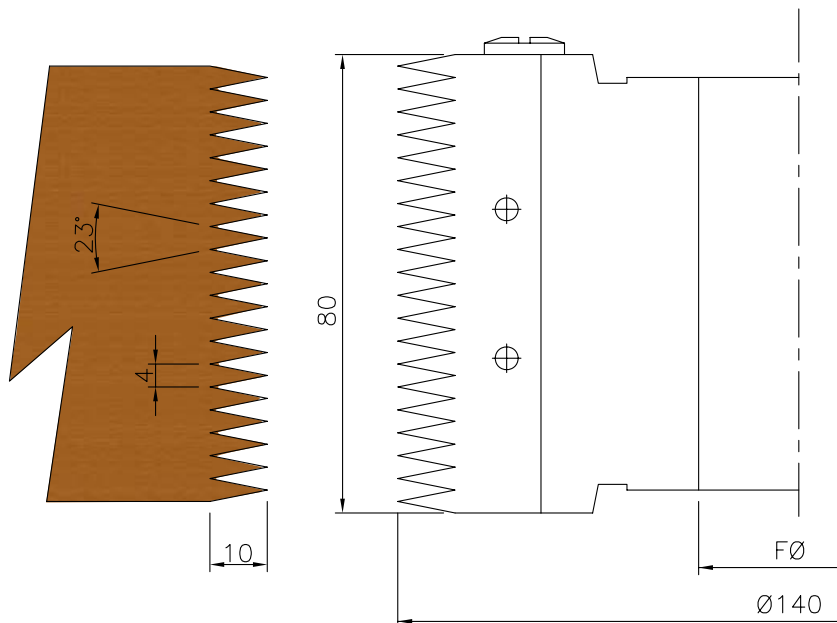


art. 1.34

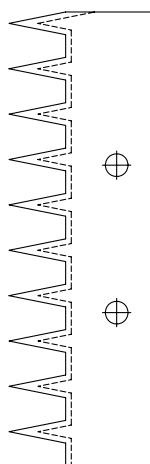
ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

Teste portacoltelli / Cutter head

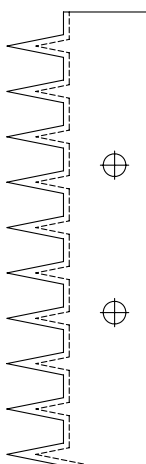
art. 1.34/2



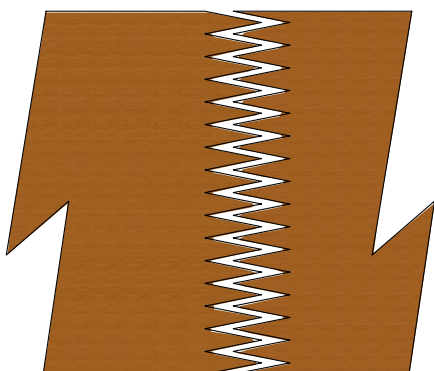
RICAMBI



4.5020/80A



4.5020/80B



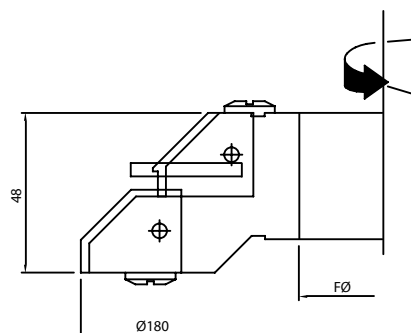
art. 1.35



**TESTA PORTACOLTELLI SAGOMATA PER
GIUNZIONI 45°A Z=2+2+2**



**45° JOINTING CUTTERHEAD WITH PROFILED KNIVES
Z=2+2+2**

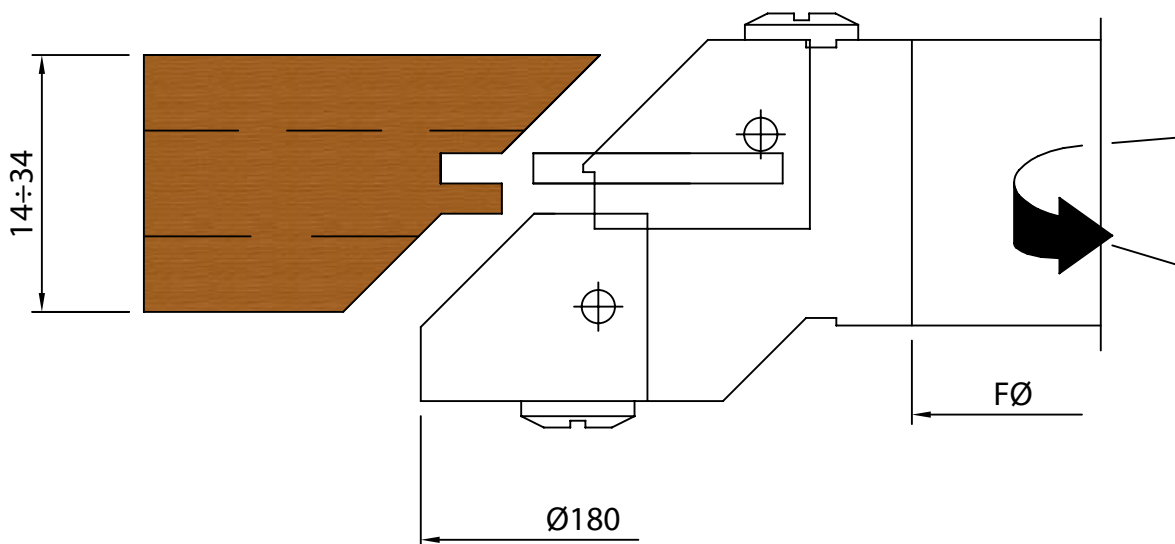


ARTICOLO ITEM	DESCRIZIONE DESCRIPTION
1.35/1	Testa portacoltelli sagomata Ø 180x48
	RICAMBI:
4.5021/20A	Coltello hm sagomato mm.20x25x2
4.5021/20B	Coltello hm sagomato mm.20x30x2
4.5021/4	Coltello hm sagomato mm.16x34x4

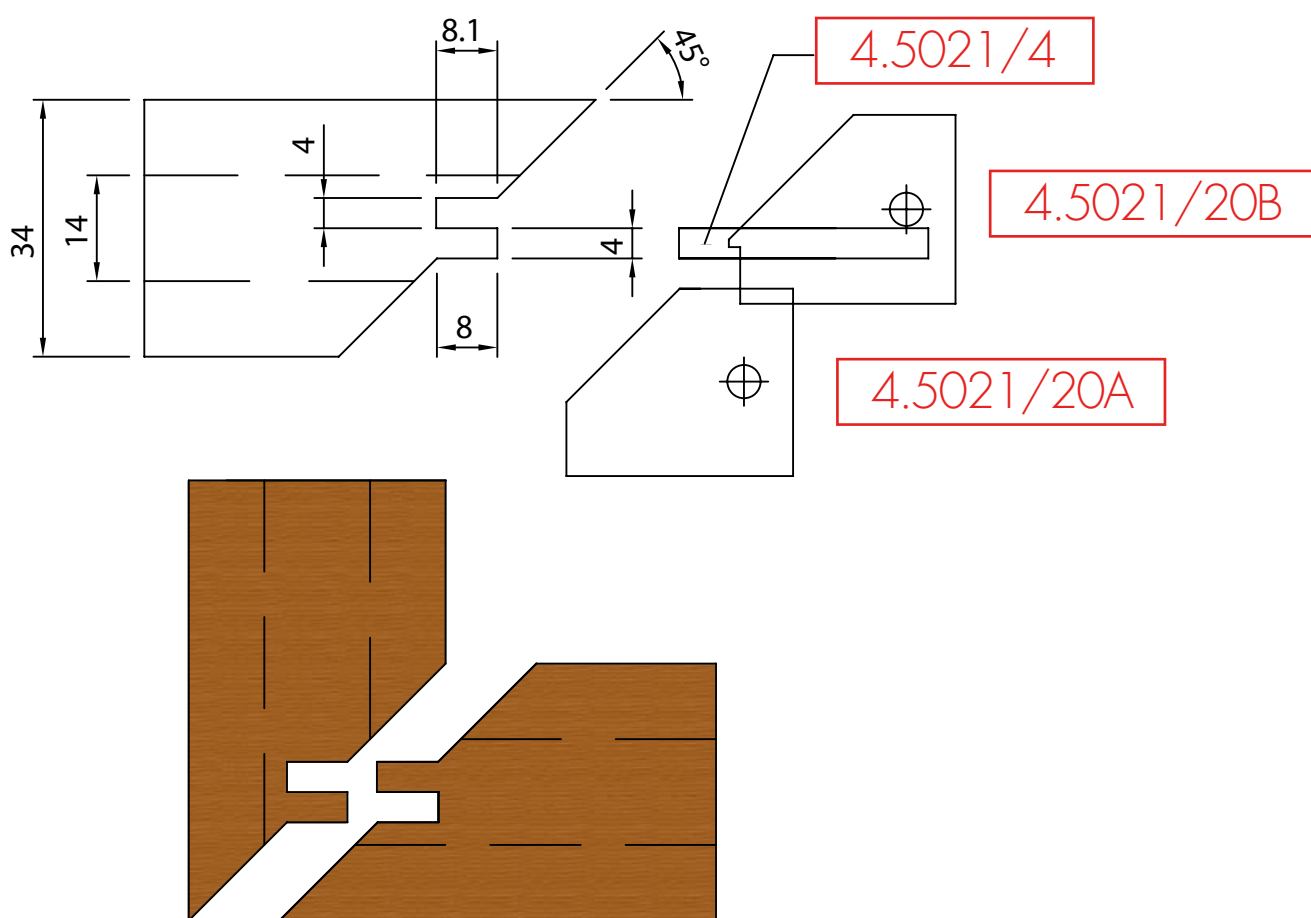
art. 1.35

ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

Teste portacoltelli / Cutter head



RICAMBI / SPARE PARTS



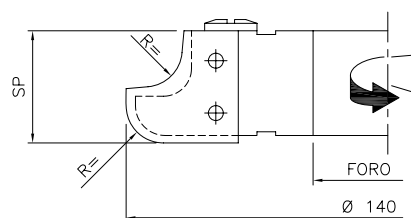
art. 1.37



TESTA PORTACOLTELLI SAGOMATA A QUARTO DI TONDO CON RAGGIO CONCAVO E CONVESSO A Z=2



PROFILED INSERT CUTTERHEAD Z=2 FOR QUARTER ROUND SHAPE WITH CONVEX AND CONCAVE RADIUS



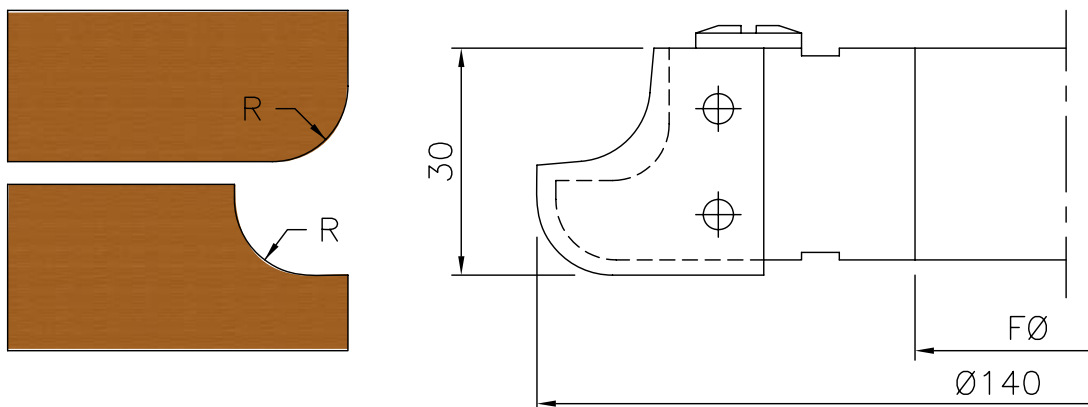
ARTICOLO ITEM	DESCRIZIONE DESCRIPTION
1.37/1	Testa portacoltelli sagomata Ø 140x30
	RICAMBI:
4.5025/5	Coltello hm sagomato mm.30x30x2 R=5
4.5025/7,5	Coltello hm sagomato mm.30x30x2 R=7,5
4.5025/10	Coltello hm sagomato mm.30x30x2 R=10
1.37/2	Testa portacoltelli sagomata Ø 140x35
4.5025/12,5	Coltello hm sagomato mm.35x30x2 R=12,5
4.5025/15	Coltello hm sagomato mm.35x30x2 R=15

art. 1.37

ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

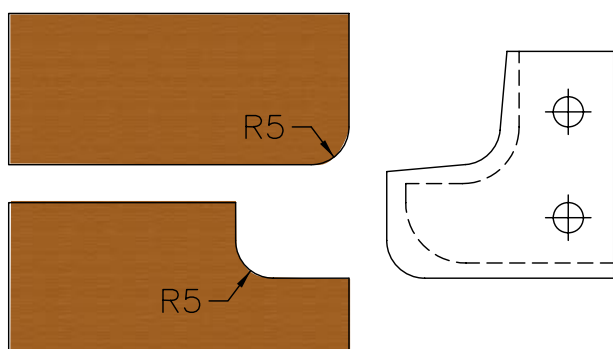
Teste portacoltelli / Cutter head

art. 1.37/1

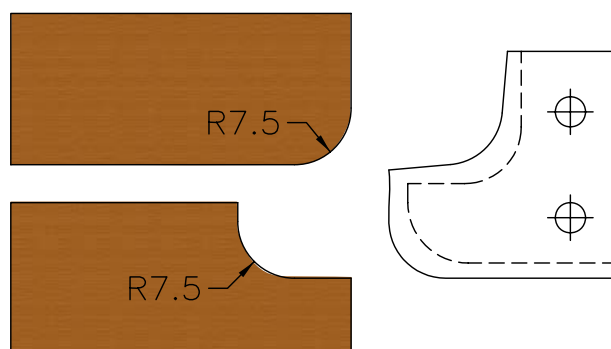


RICAMBI / SPARE PARTS

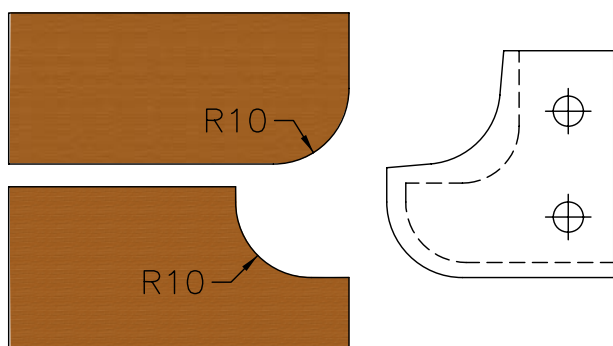
4.5025/5



4.5025/7.5



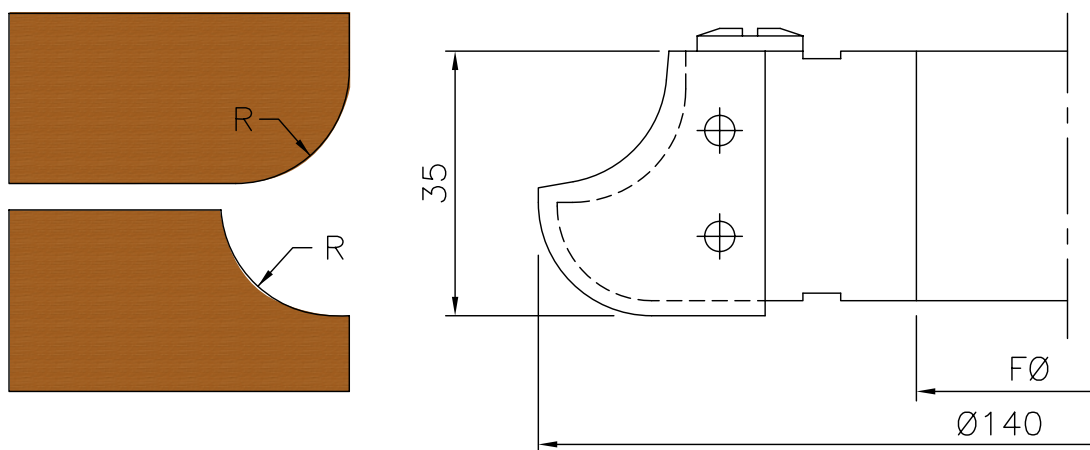
4.5025/10



art. 1.37

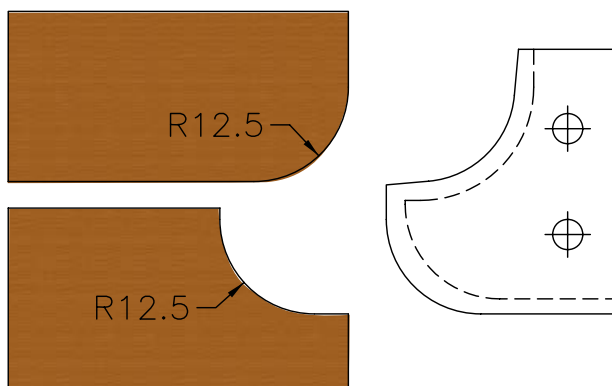
ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

art. 1.37/2

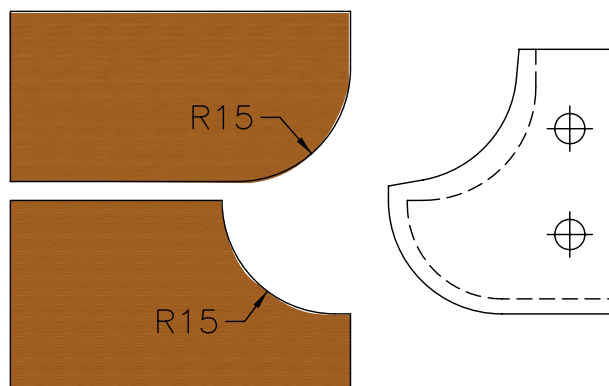


RICAMBI / SPARE PARTS

4.5025/12.5



4.5025/15



art. 1.41



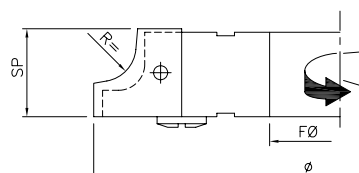
**TESTA PORTACOLTELLI SAGOMATA
PER QUARTI DI TONDO CON RAGGIO
CONVESSO A Z=3**



**PROFILED PAD IN BRASS FOR DOUBLE-END-
TENONER MACHINE**



Teste portacoltelli / Cutter head

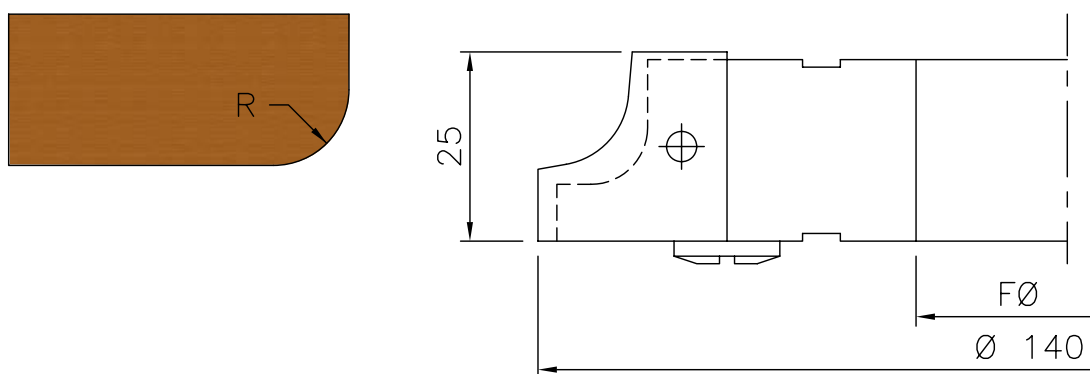


ARTICOLO ITEM	DESCRIZIONE DESCRIPTION
1.41/1	Testa portacoltelli sagomata Ø 140x25
	RICAMBI:
4.5109/5	Coltello hm sagomato mm.25x25x2 R=5
4.5109/6	Coltello hm sagomato mm.25x25x2 R=6
4.5109/7,5	Coltello hm sagomato mm.25x25x2 R=7,5
4.5109/10	Coltello hm sagomato mm.25x25x2 R=10
1.41/2	Testa portacoltelli sagomata Ø 150x35
	RICAMBI:
4.5109/12,5	Coltello hm sagomato mm.35x35x2 R=12,5
4.5109/15	Coltello hm sagomato mm.35x35x2 R=15
4.5109/17,5	Coltello hm sagomato mm.35x35x2 R=17,5
4.5109/20	Coltello hm sagomato mm.35x35x2 R=20
1.41/3	Testa portacoltelli sagomata Ø 180x50
	RICAMBI
4.5109/22,5	Coltello hm sagomato mm.50x50x2 R=22,5
4.5109/25	Coltello hm sagomato mm.50x50x2 R=25
4.5109/30	Coltello hm sagomato mm.50x50x2 R=30

art. 1.41

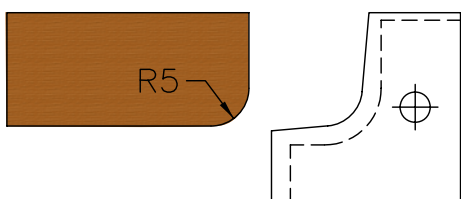
ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

art. 1.41/1

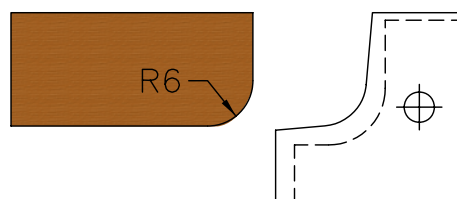


RICAMBI / SPARE PARTS

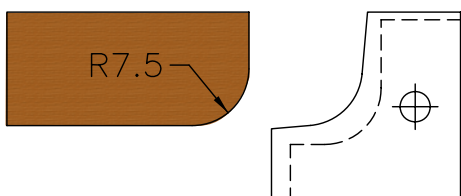
4.5109/5



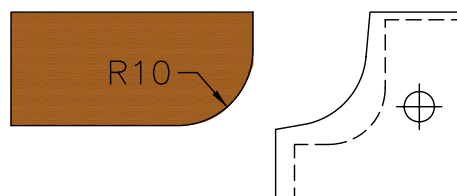
4.5109/6



4.5109/7.5



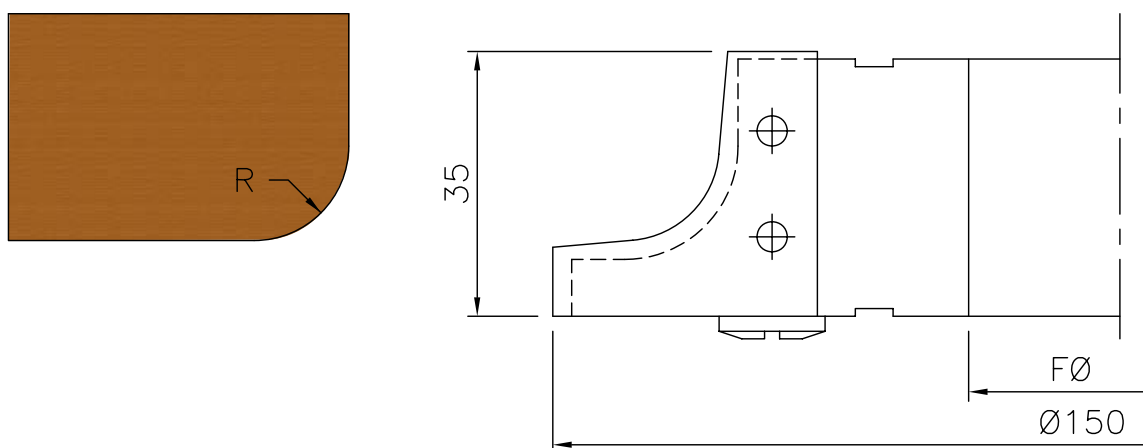
4.5109/10



art. 1.41

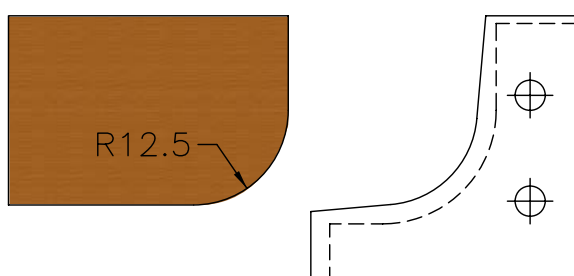
ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

art. 1.41/2

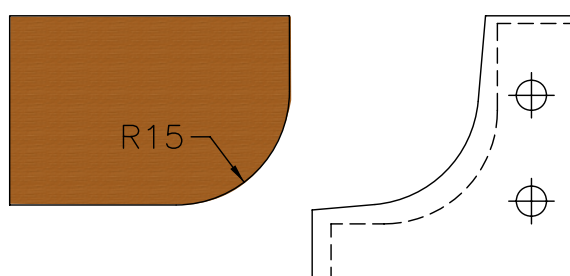


RICAMBI / SPARE PARTS

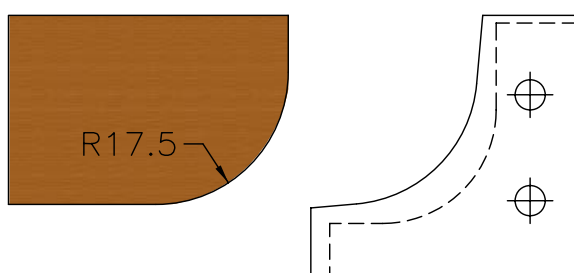
4.5109/12.5



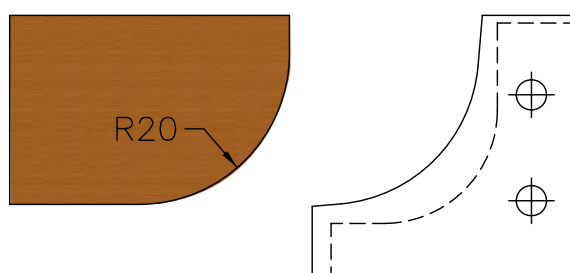
4.5109/15



4.5109/17.5



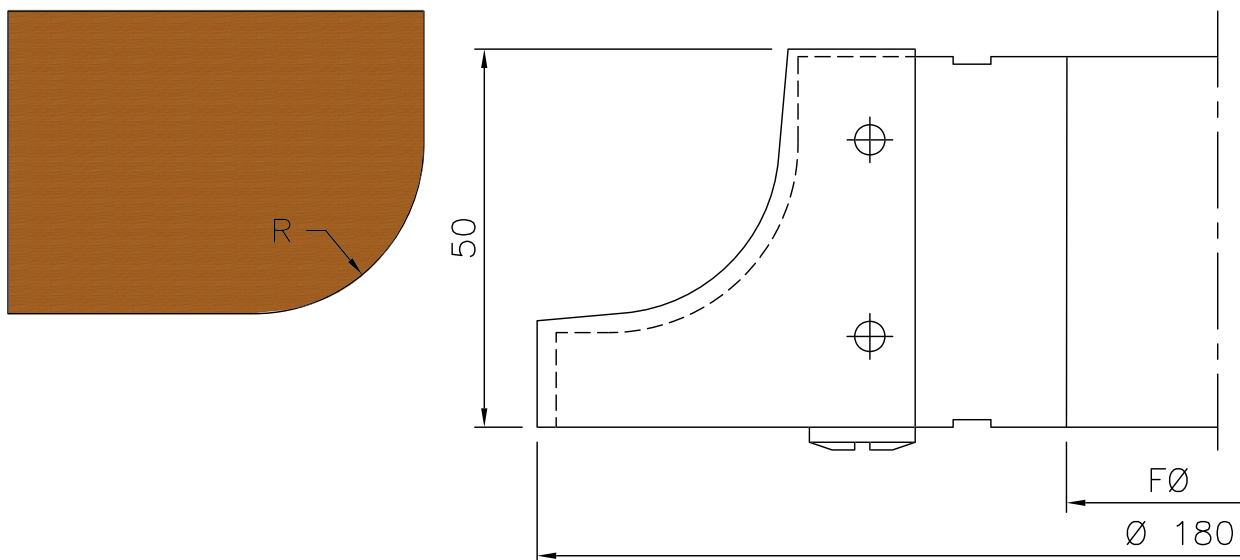
4.5109/20



art. 1.41

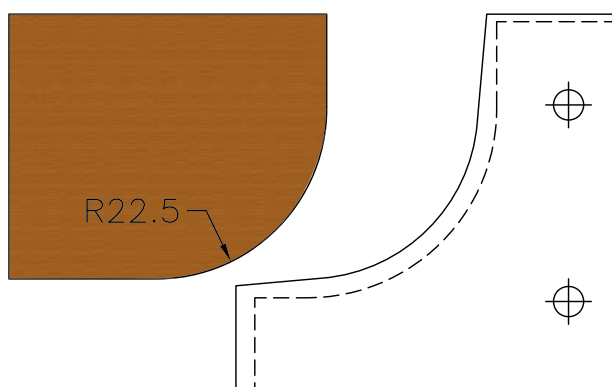
ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

art. 1.41/3

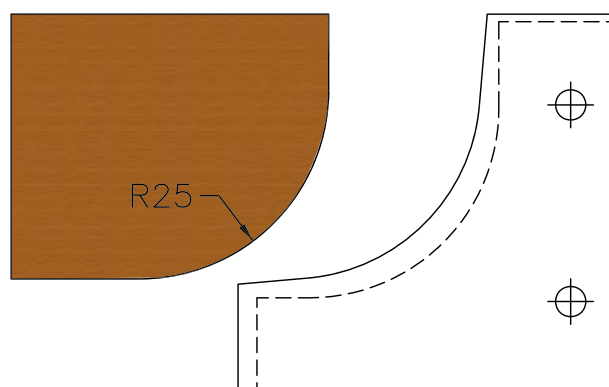


RICAMBI / SPARE PARTS

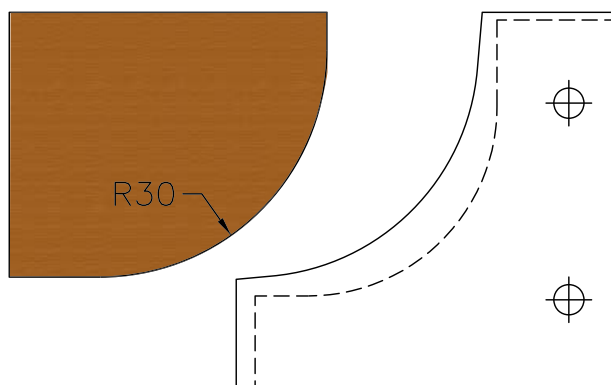
4.5109/22.5



4.5109/25



4.5109/30



art. 1.42



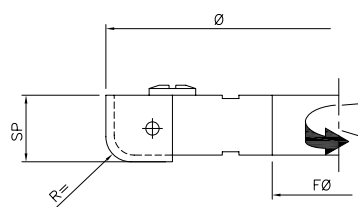
**TESTA PORTACOLTELLI SAGOMATA
PER QUARTI DI TONDO CON RAGGIO
CONCAVO A Z=3**



**PROFILED INSERT CUTTERHEAD Z=3 FOR QUARTER
ROUND SHAPE WITH CONCAVE RADIUS**



Teste portacoltelli / Cutter head

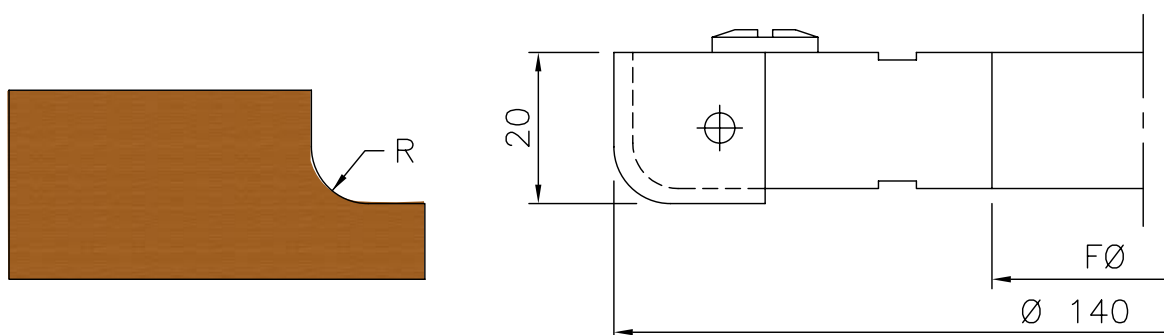


ARTICOLO ITEM	DESCRIZIONE DESCRIPTION
1.42/1	Testa portacoltelli sagomata Ø 140x20
	RICAMBI:
4.5110/3	Coltello hm sagomato mm.20x20x2 R=3
4.5110/5	Coltello hm sagomato mm.20x20x2 R=5
4.5110/6	Coltello hm sagomato mm.20x20x2 R=6
4.5110/7,5	Coltello hm sagomato mm.20x20x2 R=7,5
1.42/2	Testa portacoltelli sagomata Ø 140x25
	RICAMBI:
4.5110/10	Coltello hm sagomato mm.25x25x2 R=10
4.5110/12,5	Coltello hm sagomato mm.25x25x2 R=12,5
4.5110/15	Coltello hm sagomato mm.25x25x2 R=15
1.42/3	Testa portacoltelli sagomata Ø 140x35
	RICAMBI
4.5110/17,5	Coltello hm sagomato mm.30x30x2 R=17,5
4.5110/20	Coltello hm sagomato mm.30x30x2 R=20
1.42/4	Testa portacoltelli sagomata Ø 140x30
	RICAMBI:
4.5110/25	Coltello hm sagomato mm.35x35x2 R=25
4.5110/30	Coltello hm sagomato mm.35x35x2 R=30

art. 1.42

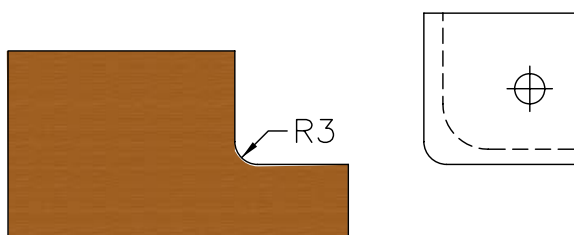
ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

art. 1.42/1

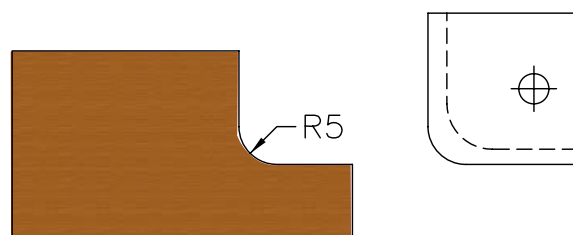


RICAMBI / SPARE PARTS

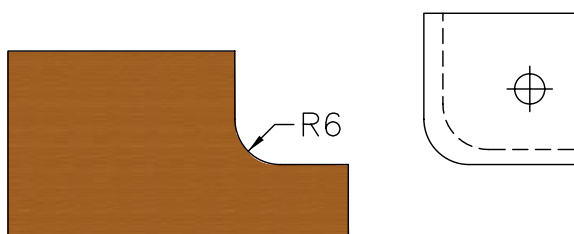
4.5110/3



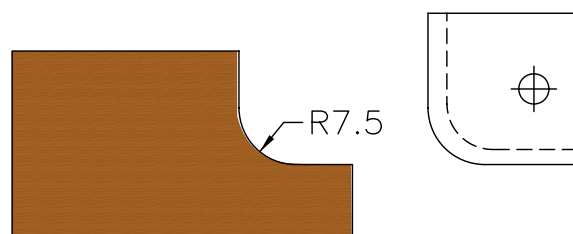
4.5110/5



4.5109/6



4.5109/7.5

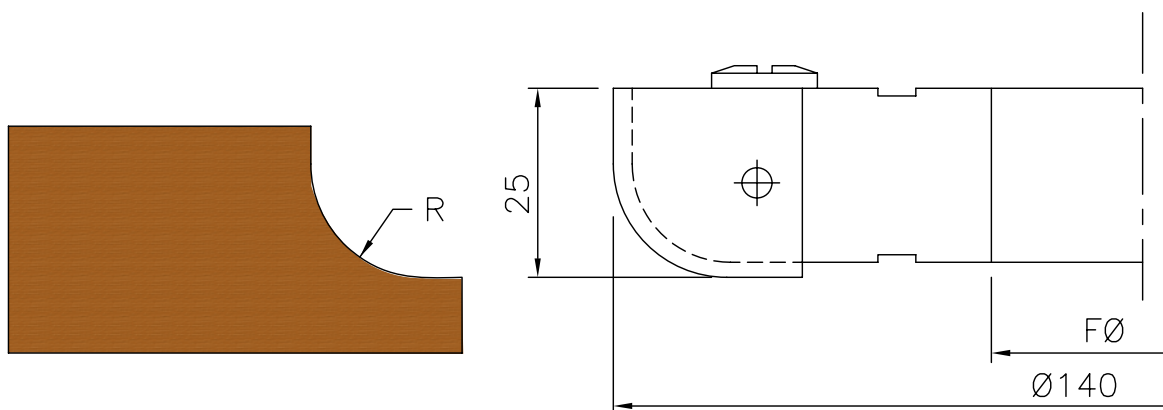


art. 1.42

ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

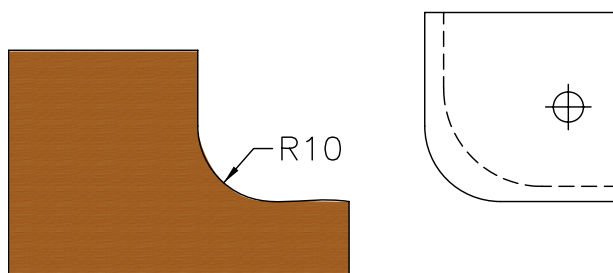
Teste portacoltelli / Cutter head

art. 1.42/2

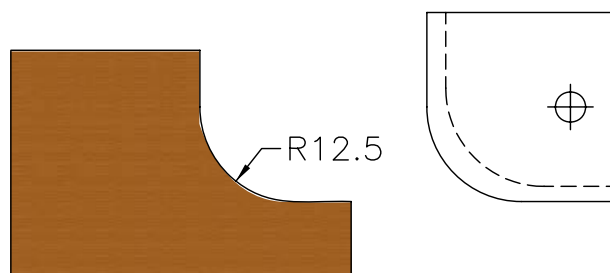


RICAMBI / SPARE PARTS

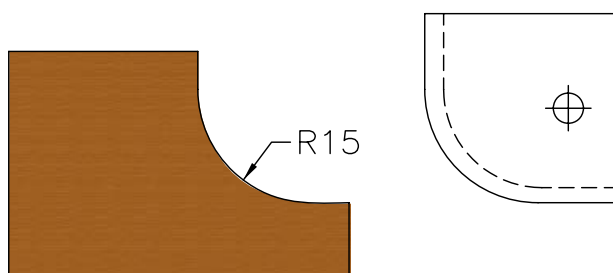
4.5110/10



4.50110/12.5



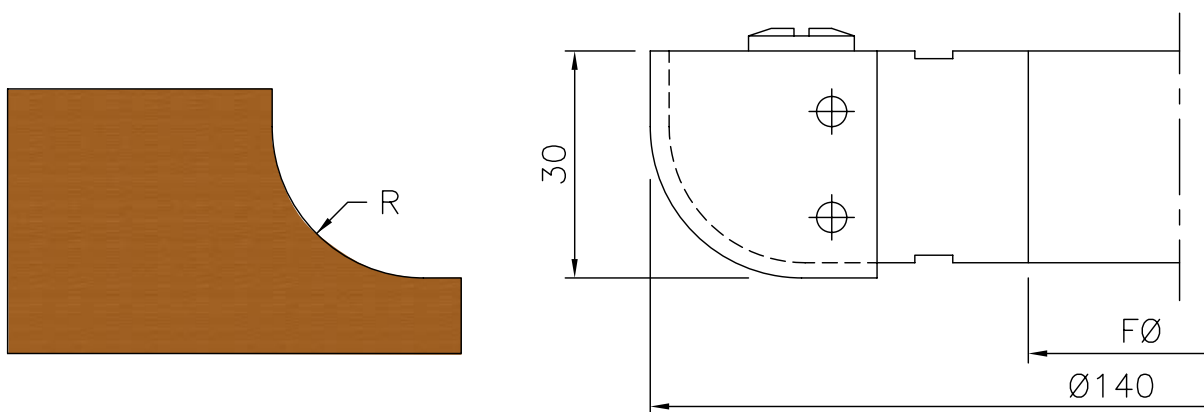
4.5110/15



art. 1.42

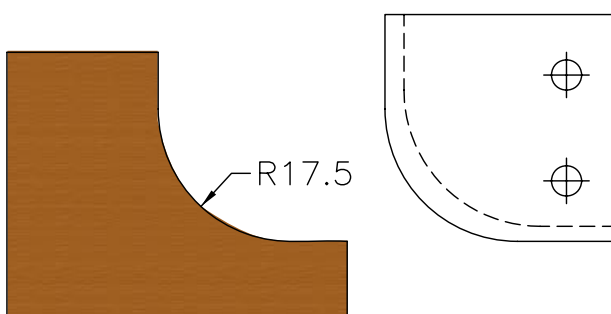
ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

art. 1.42/3

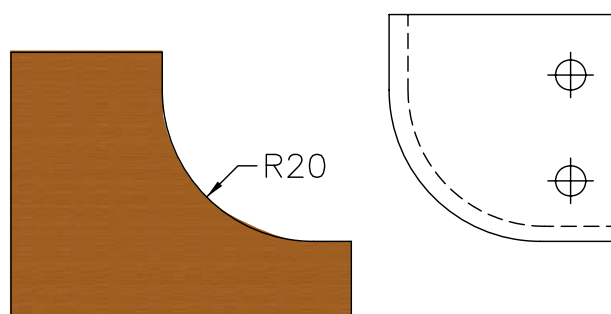


RICAMBI / SPARE PARTS

4.5110/17.5



4.5110/20

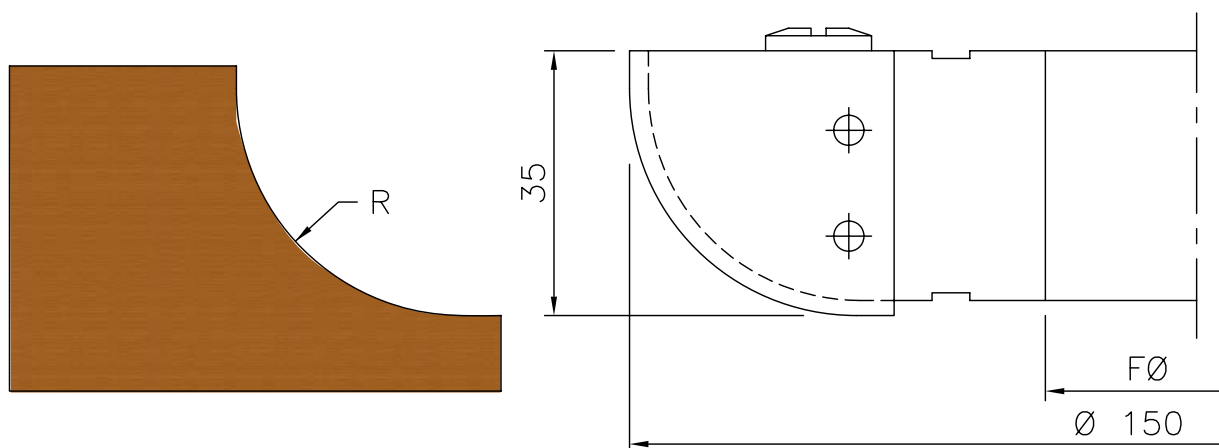


art. 1.42

ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

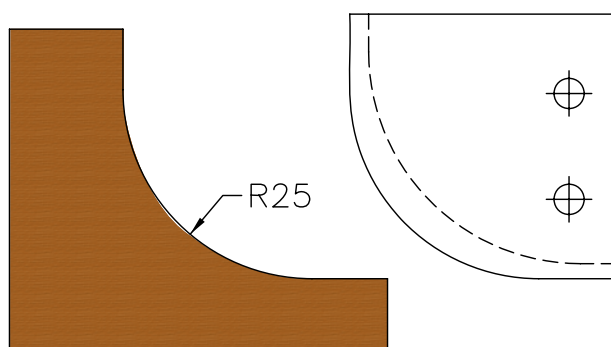
Teste portacoltelli / Cutter head

art. 1.42/4

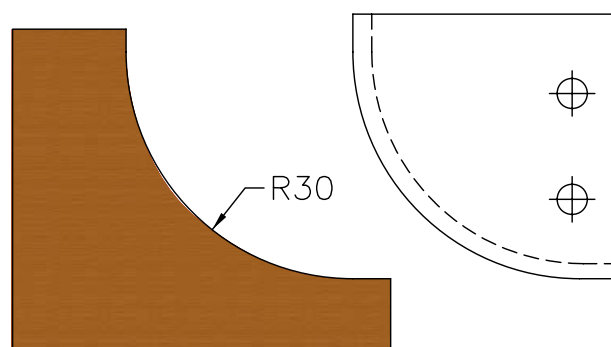


RICAMBI / SPARE PARTS

4.5110/25



4.5110/30



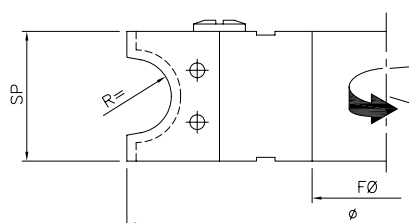
art. 1.43



**TESTA PORTACOLTELLI SAGOMATA PER MEZZI TONDI
CON RAGGIO CONVESSO A Z=3**



**PROFILED INSERT CUTTERHEAD Z=3 FOR HALF ROUND SHAPE WITH
CONVEX RADIUS**



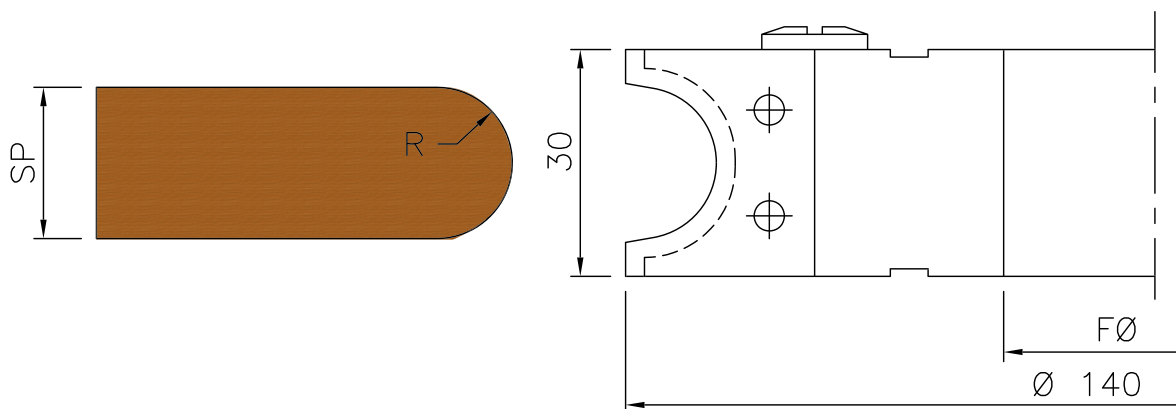
ARTICOLO ITEM	DESCRIZIONE DESCRIPTION
1.43/1	Testa portacoltelli sagomata Ø 140x30
	RICAMBI:
4.5115/5	Coltello hm sagomato mm.30x25x2 R=5
4.5115/6	Coltello hm sagomato mm.30x25x2 R=6
4.5115/7,5	Coltello hm sagomato mm.30x25x2 R=7,5
4.5115/10	Coltello hm sagomato mm.30x25x2 R=10
1.43/2	Testa portacoltelli sagomata Ø 140x40
	RICAMBI:
4.5115/12,5	Coltello hm sagomato mm.40x30x2 R=12,5
4.5115/15	Coltello hm sagomato mm.40x30x2 R=15
1.43/3	Testa portacoltelli sagomata Ø 160x60
	RICAMBI
4.5115/17,5	Coltello hm sagomato mm.60x40x2 R=17,5
4.5115/20	Coltello hm sagomato mm.60x40x2 R=20
4.5115/22,5	Coltello hm sagomato mm.60x40x2 R=22,5
1.43/4	Testa portacoltelli sagomata Ø 170x80
	RICAMBI:
4.5115/25	Coltello hm sagomato mm.80x45x2 R=25
4.5115/30	Coltello hm sagomato mm.80x45x2 R=30

art. 1.43

ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

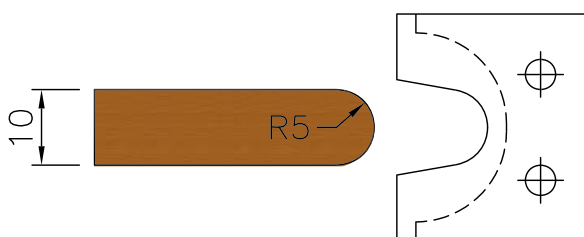
Teste portacoltelli / Cutter head

art. 1.43/1

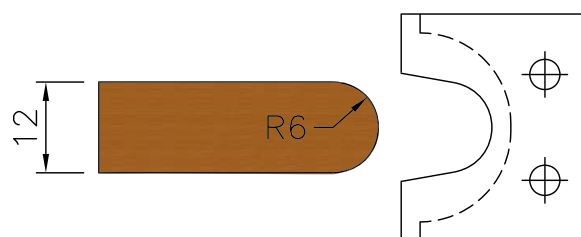


RICAMBI / SPARE PARTS

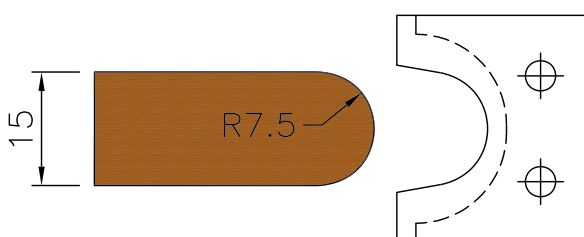
4.5115/5



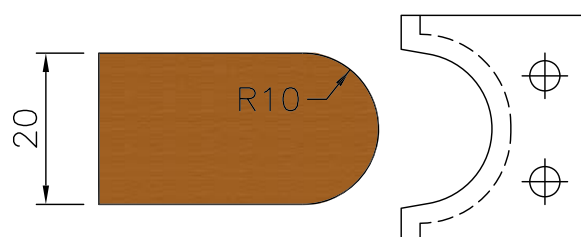
4.5115/6



4.5115/7.5



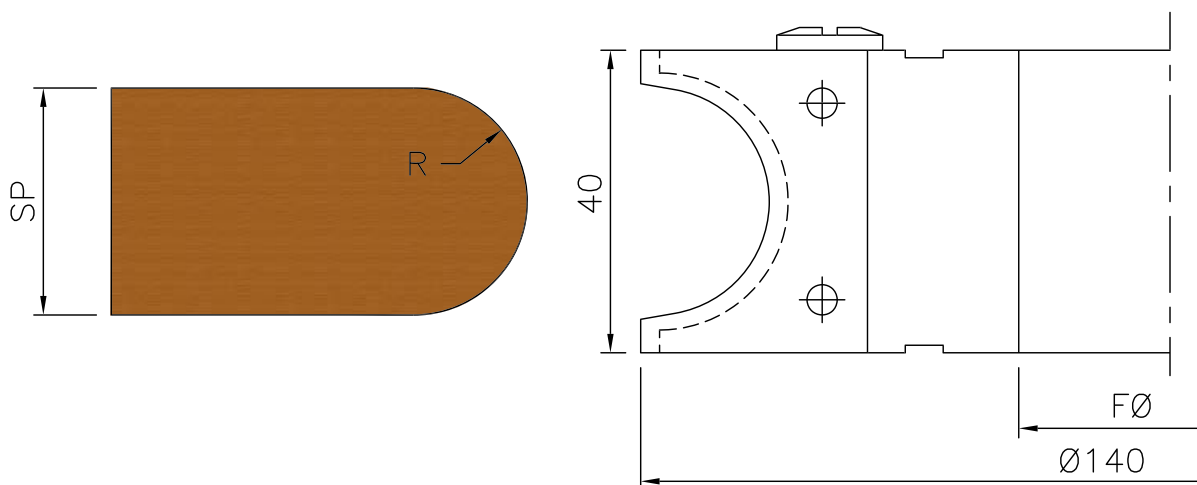
4.5115/10



art. 1.43

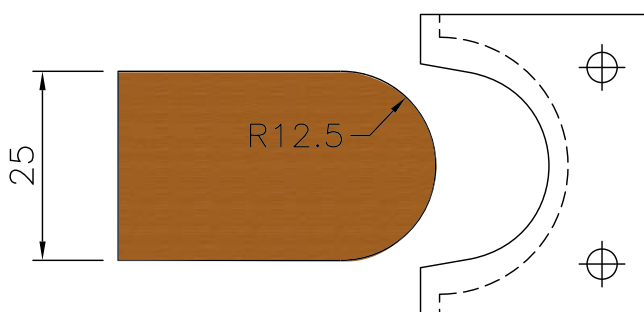
ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

art. 1.43/2

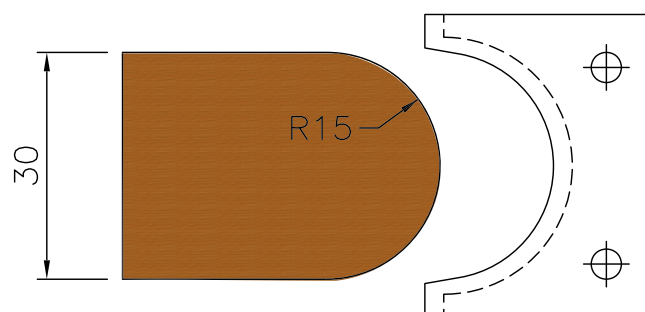


RICAMBI / SPARE PARTS

4.5115/12.5



4.5115/15

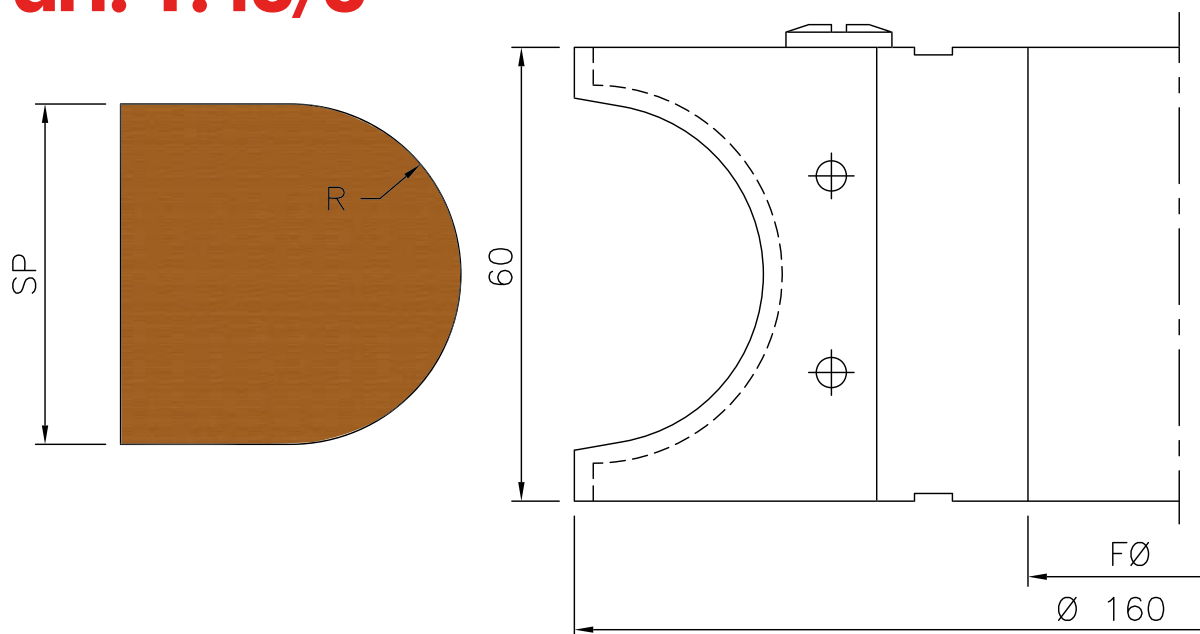


art. 1.43

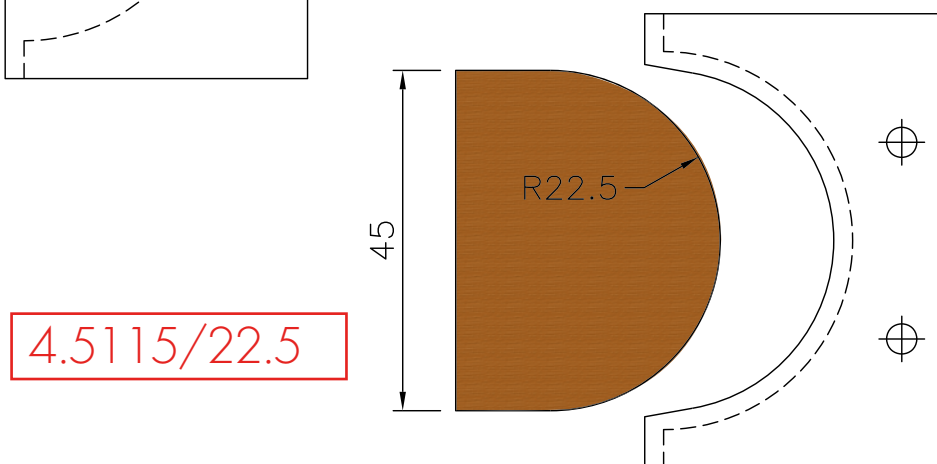
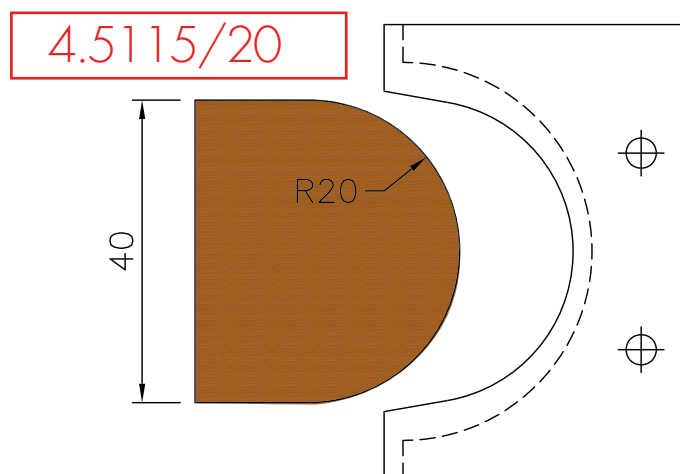
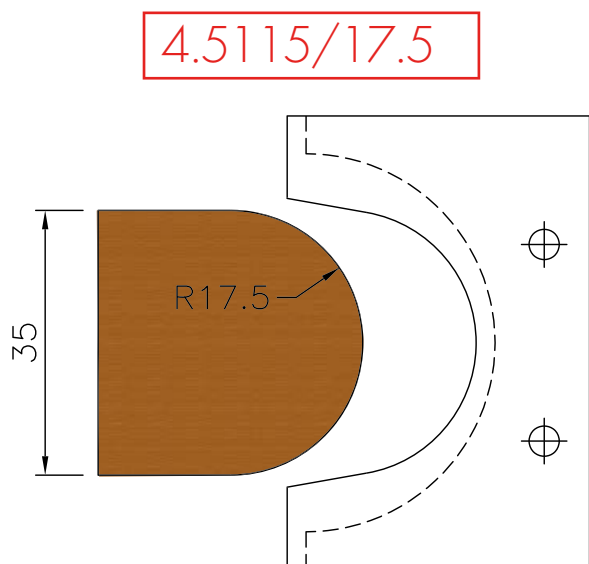
ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

Teste portacoltelli / Cutter head

art. 1.43/3



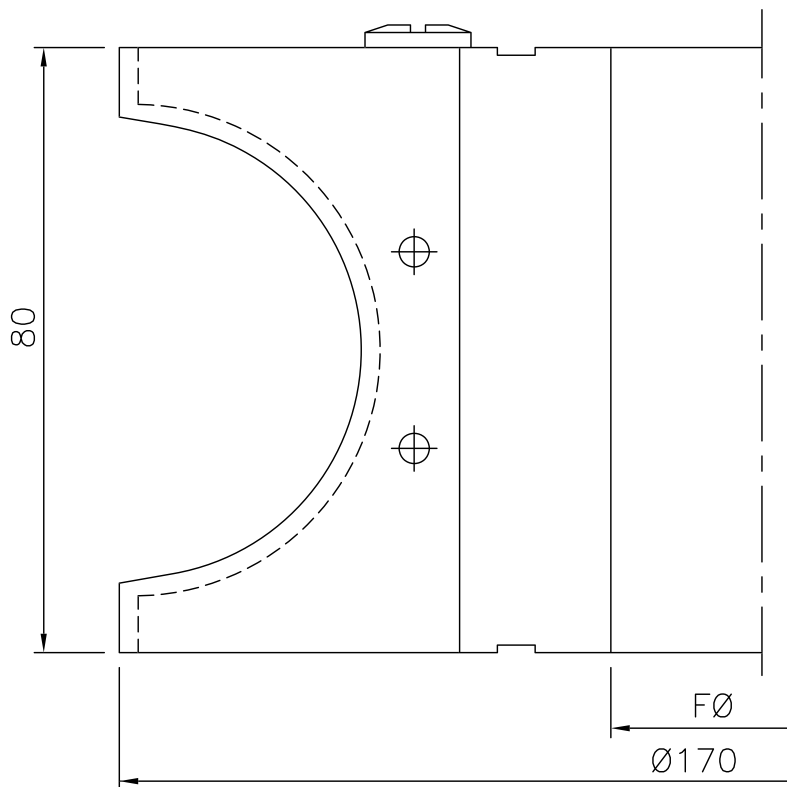
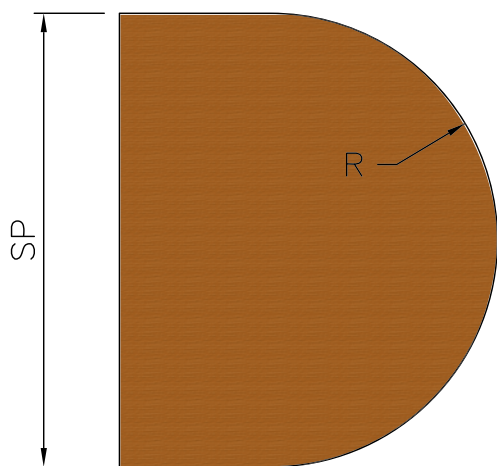
RICAMBI / SPARE PARTS



art. 1.43

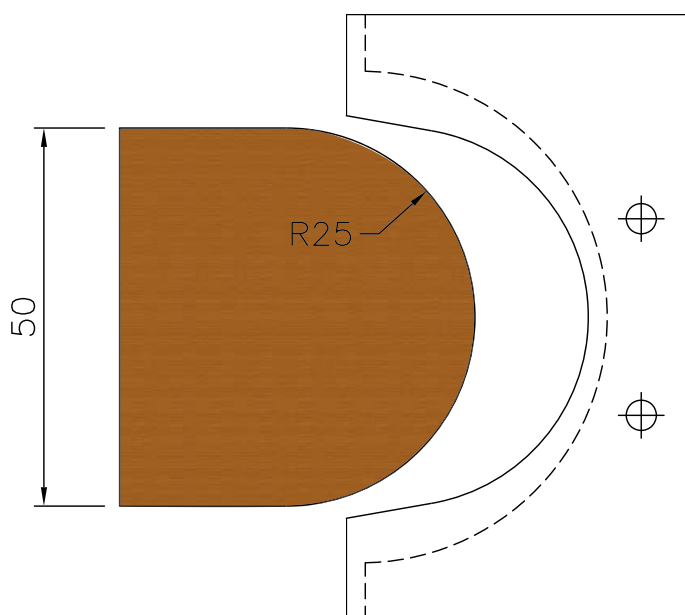
ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

art. 1.43/4

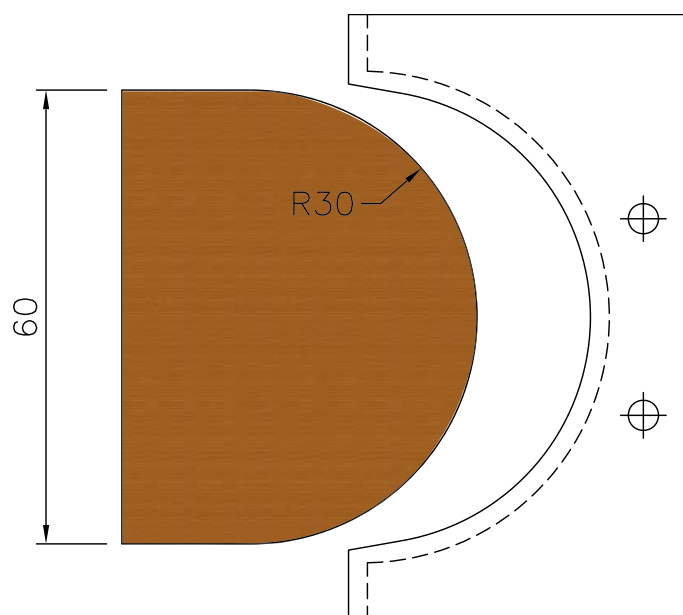


RICAMBI / SPARE PARTS

4.5115/25



4.5115/30



art. 1.43A



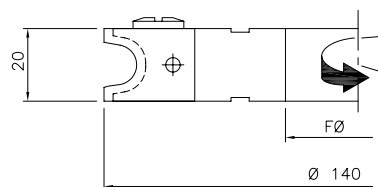
**TESTA PORTACOLTELLI SAGOMATA PER
STECHE PERSIANA A Z=4**



**PROFIED INSERT CUTTERHEAD Z=4 FOR SHUTTERS
SLATS**



Teste portacoltelli / Cutter head

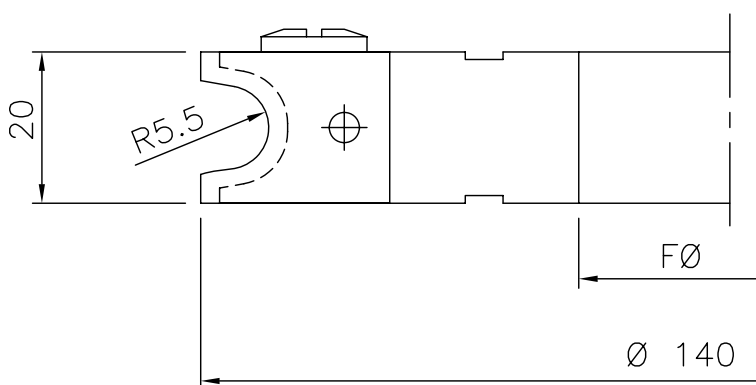


ARTICOLO ITEM	DESCRIZIONE DESCRIPTION
1.43A/1	Testa portacoltelli sagomata Ø 140x20
	RICAMBI:
4.5021/5,5	Coltello hm sagomato mm.20x25x2 R=5,5

art. 1.43A

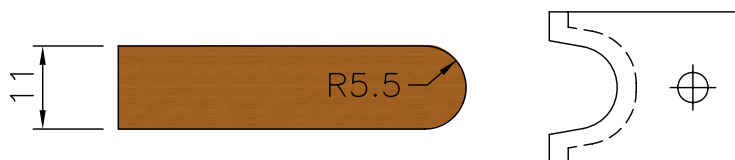
ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

art. 1.43A/1



RICAMBI / SPARE PARTS

4.5021/5.5



art. 1.44



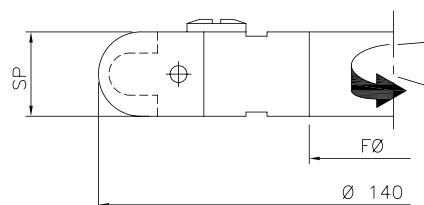
**TESTA PORTACOLTELLI SAGOMATA PER
MEZZI TONDI CON RAGGIO CONCAVO A
Z=3**



**PROFILED INSERT CUTTERHEAD Z=3 FOR HALF-
ROUND SHAPE WITH CONCAVE RADIUS**



Teste portacoltelli / Cutter head

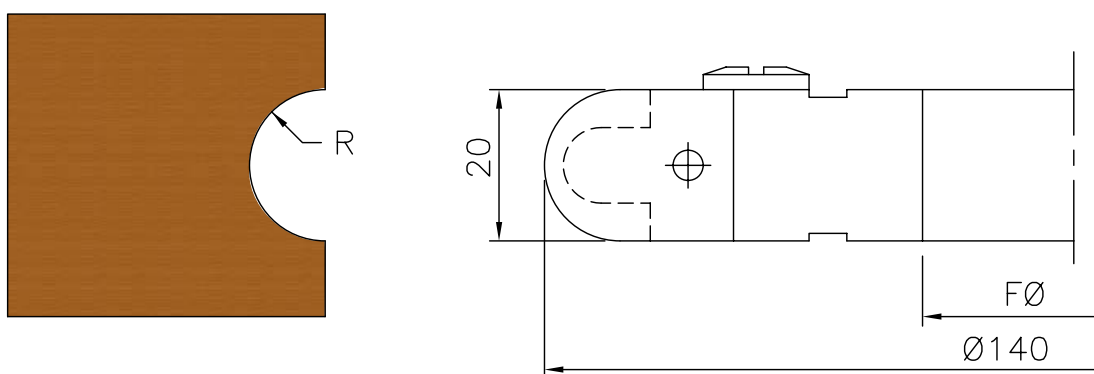


ARTICOLO ITEM	DESCRIZIONE DESCRIPTION
1.44/1	Testa portacoltelli sagomata Ø 140x20
	RICAMBI:
4.5118/7,5	Coltello hm sagomato mm.20x25x2 R=7,5
4.5118/10	Coltello hm sagomato mm.20x25x2 R=10
1.44/2	Testa portacoltelli sagomata Ø 140x30
	RICAMBI:
4.5118/12,5	Coltello hm sagomato mm.30x30x2 R=12,5
4.5118/15	Coltello hm sagomato mm. 30x30x2 R=15

art. 1.44

ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

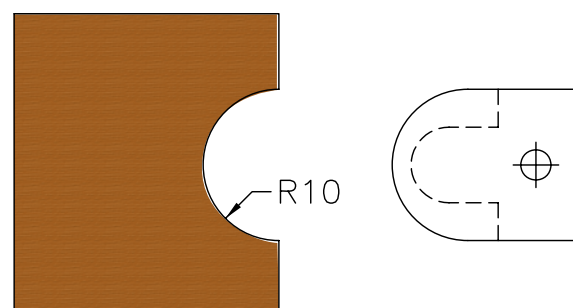
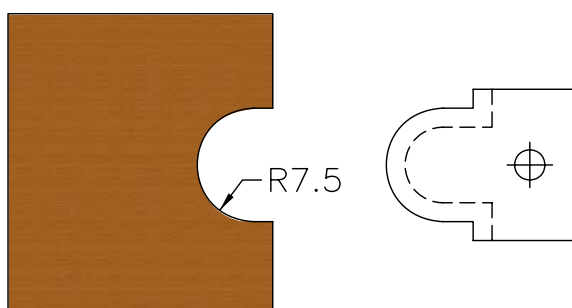
art. 1.44/1



RICAMBI / SPARE PARTS

4.5118/7.5

4.5118/10

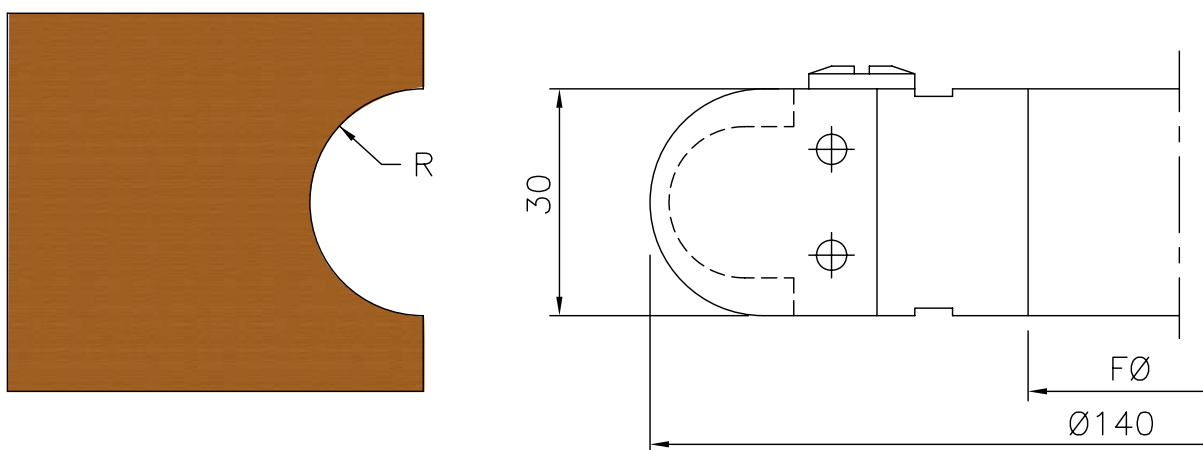


art. 1.44

ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

Teste portacoltelli / Cutter head

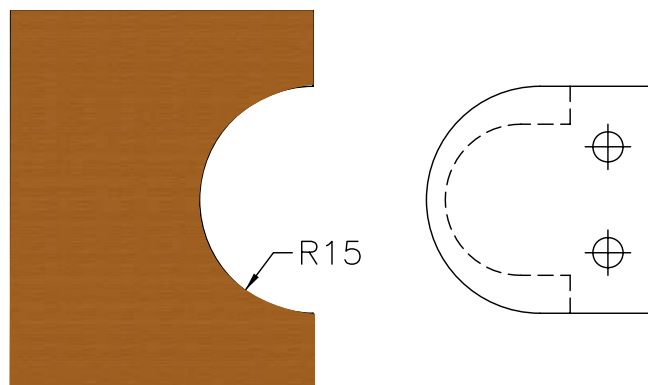
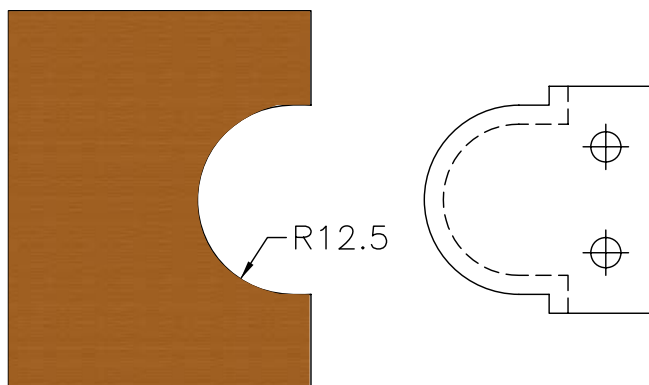
art. 1.44/2



RICAMBI / SPARE PARTS

4.5118/12.5

4.5118/15



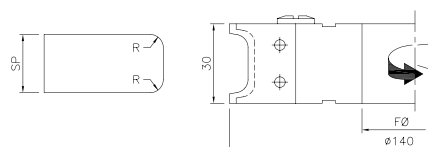
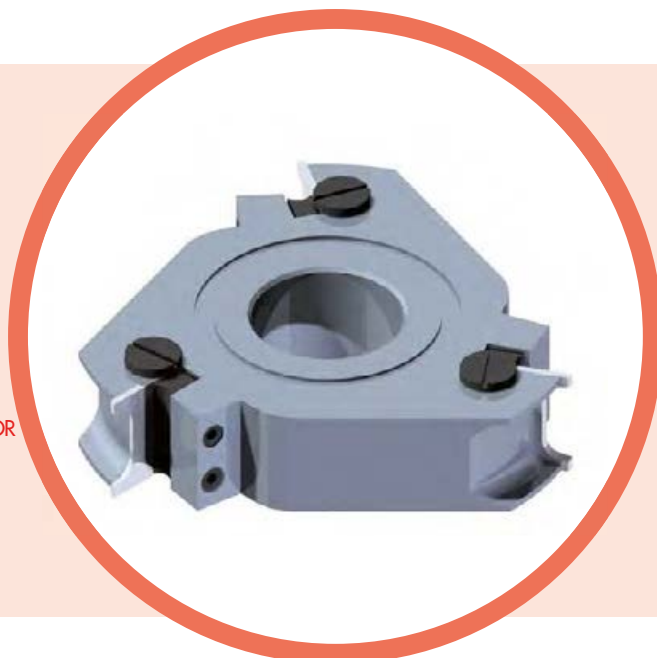
art. 1.46



**TESTA PORTACOLTELLI SAGOMATA CON RAGGI
O SMUSSO DA ESEGUIRE IN ENTRAMBI I LATI DEL
PANNELLO A Z=3**



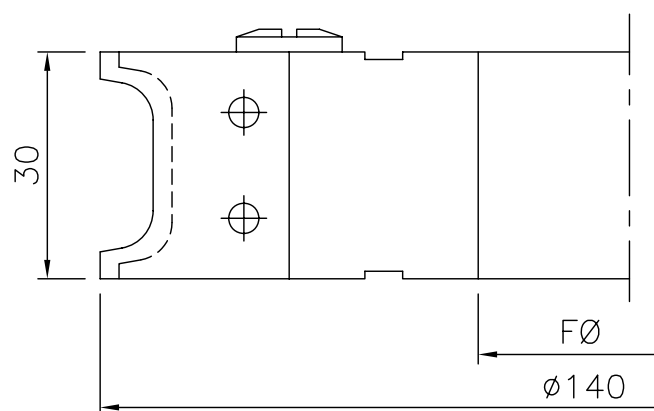
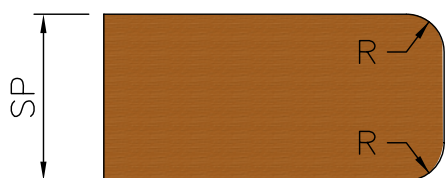
**PROFILED INSERT CUTTERHEAD Z=3 FOR WORKING OF RADIUS OR
CHAMFERS ON BOTH SIDES OF THE PANEL**



ARTICOLO ITEM	DESCRIZIONE DESCRIPTION
1.46/1	Testa portacoltelli sagomata Ø 140x30
	RICAMBI:
4.5122/3x18	Coltello hm sagomato mm.30x25x2 R=3
4.5122/3x20	Coltello hm sagomato mm.30x25x2 R=3
4.5122/3x22	Coltello hm sagomato mm.30x25x2 R=3
4.5122/5x18	Coltello hm sagomato mm.30x25x2 R=5
4.5122/5x20	Coltello hm sagomato mm.30x25x2 R=5
4.5122/5x22	Coltello hm sagomato mm.30x25x2 R=5
4.5122/45	Coltello hm sagomato mm.30x25x2 R=45°

art. 1.46

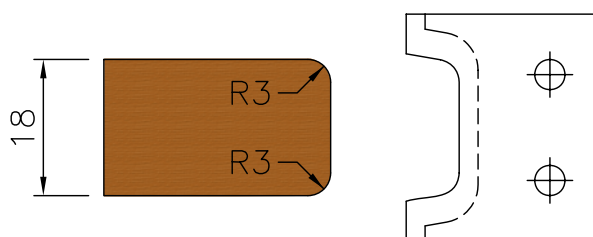
ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE



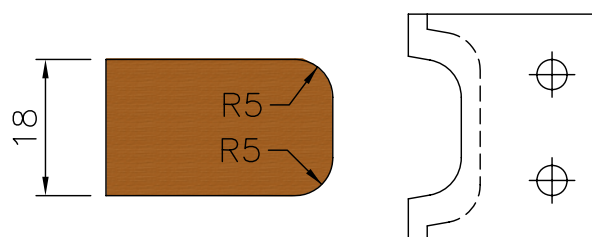
Teste portacoltelli / Cutter head

RICAMBI / SPARE PARTS

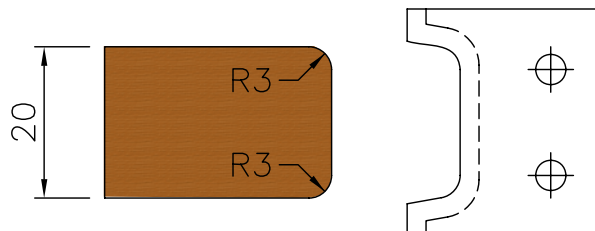
4.5122/3x18



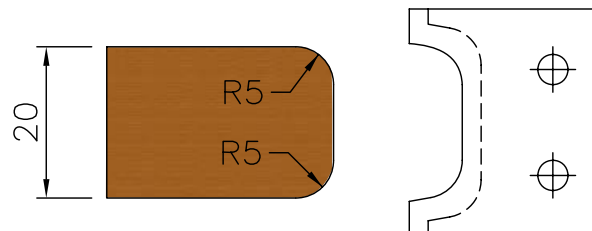
4.5122/5x18



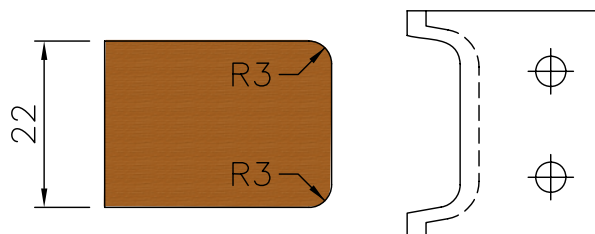
4.5122/3x20



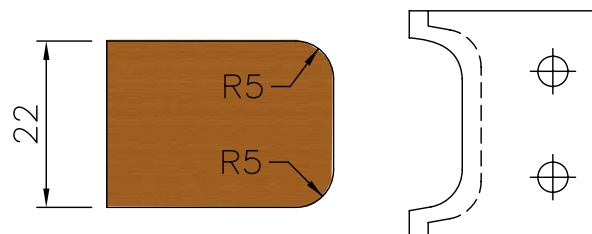
4.5122/5x20



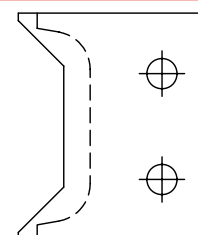
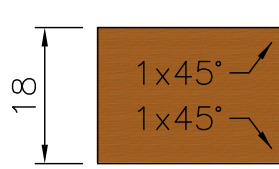
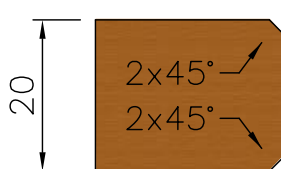
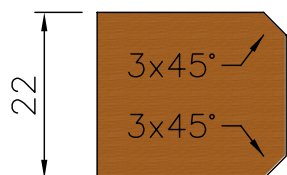
4.5122/3x22



4.5122/5x22



4.5122/45



art. 1.48



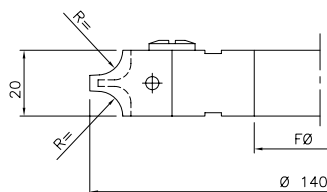
TESTA PORTACOLTELLI SAGOMATA CON RAGGIO O SMUSSO DA ESEGUIRE SULLA PARTE SUPERIORE O INFERIORE DEL PANNELLO



PROFILED INSERT CUTTERHEAD FOR WORKING OF RADIUS OR CHAMFERS ON THE UPPER OR LOWER SIDE OF THE PANEL



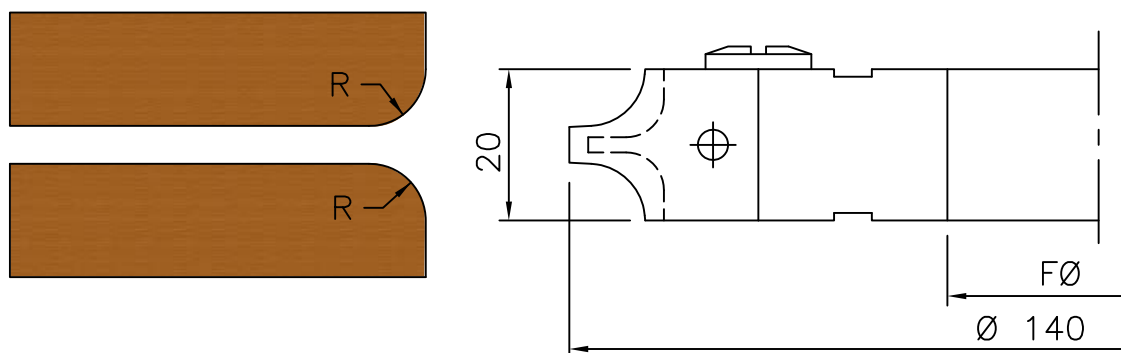
Teste portacoltelli / Cutter head



ARTICOLO ITEM	DESCRIZIONE DESCRIPTION
1.48/1	Testa portacoltelli sagomata Ø 140x20
	RICAMBI:
4.5125/3	Coltello hm sagomato mm.20x25x2 R=3
4.5125/5	Coltello hm sagomato mm.20x25x2 R=5
4.5125/7,5	Coltello hm sagomato mm.20x25x2 R=7,5
4.5125/45	Coltello hm sagomato mm.20x25x2 45°

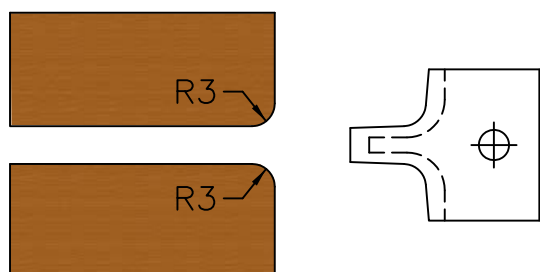
art. 1.48

ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

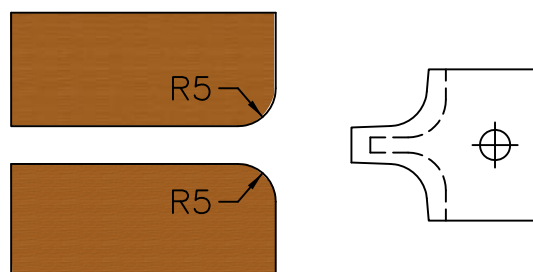


RICAMBI / SPARE PARTS

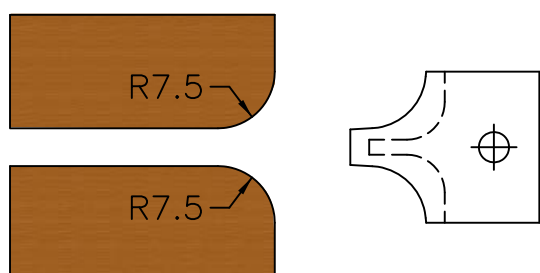
4.5125/3



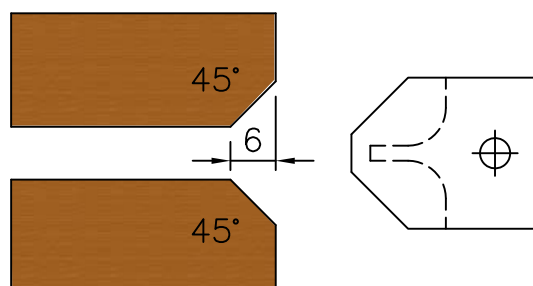
4.5125/5



4.5125/7.5



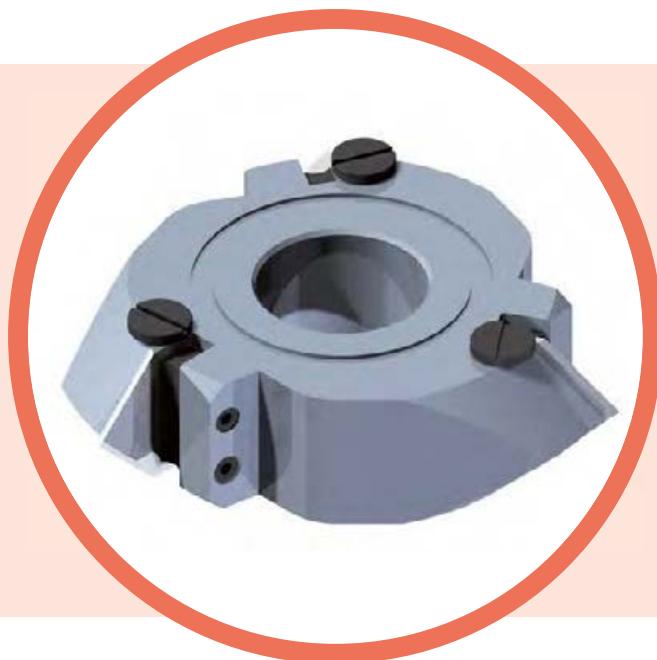
4.5125/45



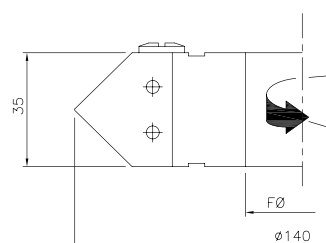
art. 1.54

 **TESTA PORTACOLTELLI SAGOMATA PER INCISIONI O SMUSSI CON 45° A Z=3**

 **CUTTERHEAD WITH PROFILED KNIVES Z=3 FOR ENGRAVING OR BEVELLING 45°**



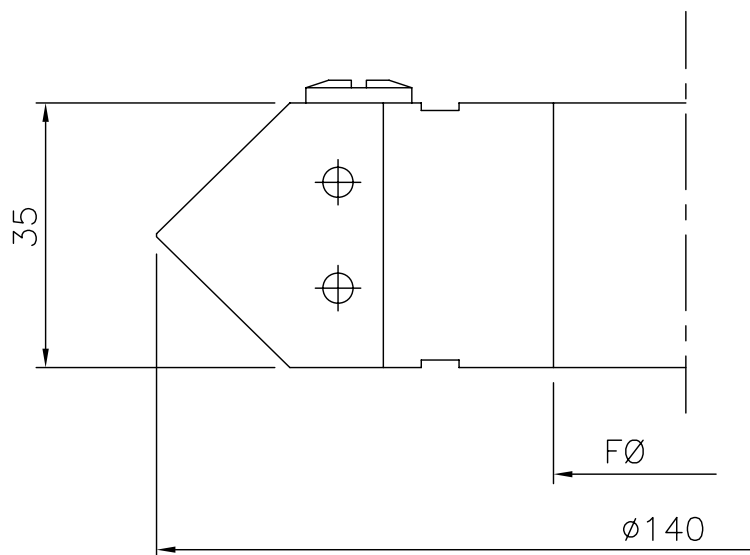
Teste portacoltelli / Cutter head



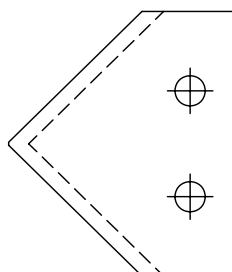
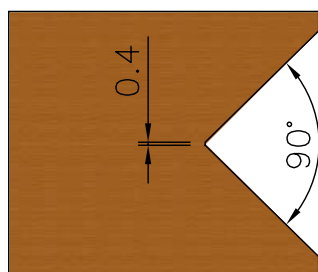
ARTICOLO ITEM	DESCRIZIONE DESCRIPTION
1.54/1	Testa portacoltelli sagomata Ø 140x35
	RICAMBI:
4.5091/35	Coltello hm sagomato mm.35x30x2

art. 1.54

ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE



RICAMBI / SPARE PARTS



4.5091/35

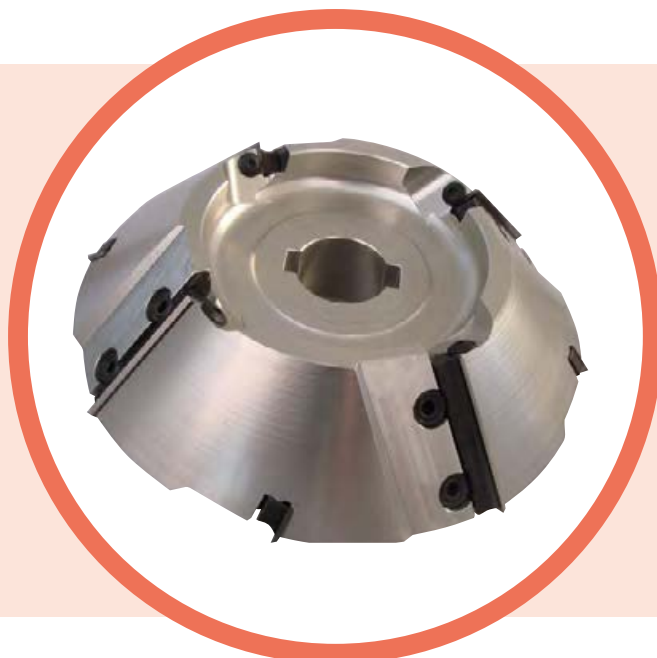
art. 1.54S



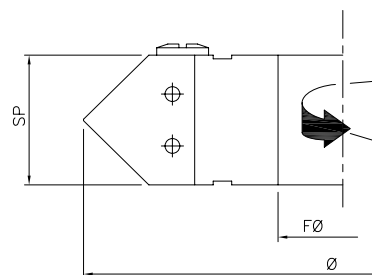
**TESTA PORTACOLTELLI SAGOMATA PER
INCISIONI O SMUSSI CON GRADI A
RICHIESTA Z=3**



**TESTA PORTACOLTELLI SAGOMATA PER INCISIONI O
SMUSSI CON GRADI A RICHIESTA Z=3**



Teste portacoltelli / Cutter head



ARTICOLO ITEM	Ø	SPESSORE THICKNESS
1.54S/d1x30	141÷200	30
1.54S/d2x30	201÷300	30
1.54S/d1x35	141÷200	35
1.54S/d2x35	201÷300	35
1.54S/d1x40	141÷200	40
1.54S/d2x40	201÷300	40
1.54S/d1x50	141÷200	50
1.54S/d2x50	201÷300	50
1.54S/d1x60	141÷200	60
1.54S/d2x60	201÷300	60

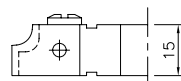
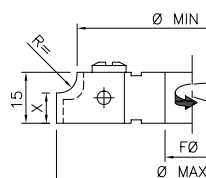
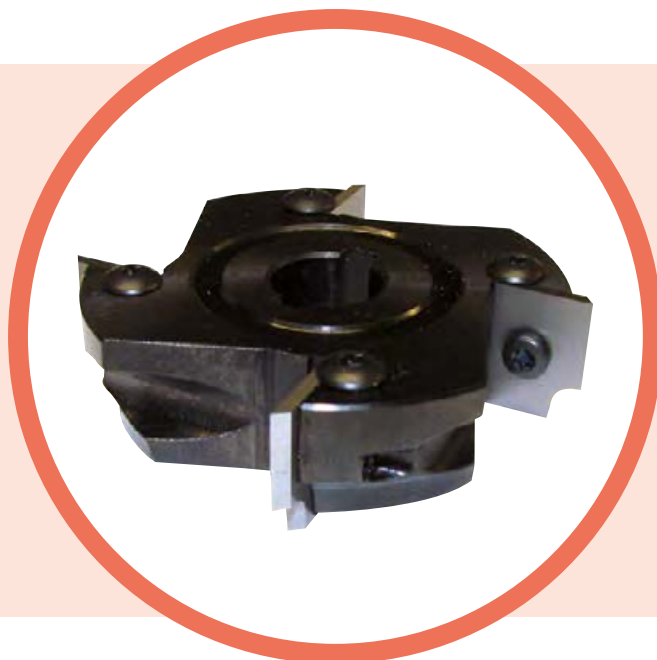
art. 1.61



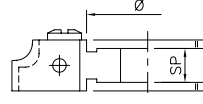
**TESTA PORTACOLTELLI SAGOMATA IN LEGA
LEGGERA PER RAGGIO O SMUSSO SU
BORDATRICE CON SINGOLO PROFILO A Z=4**



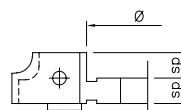
**PROFILED INSERT CUTTERHEAD Z=4, MOUNTED ON LIGHT
ALLOY TOOL BODY FOR WORKING OF RADIUS AND
CHAMFERS, TO USE ON EDGEBANDING MACHINES WITH
SINGLE SHAPE**



TIPO A
type A



TIPO B
type B



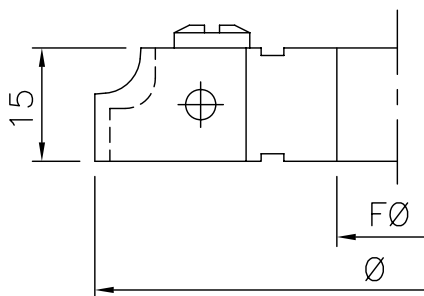
TIPO C
type C

ARTICOLO ITEM	DESCRIZIONE DESCRIPTION
1.61/1	Testa portacoltelli sagomata Ø 70x15
	RICAMBI:
4.5101/2	Coltello hm sagomato mm.15x20x2 R=2
4.5101/3	Coltello hm sagomato mm.15x20x2 R=3
4.5101/4	Coltello hm sagomato mm.15x20x2 R=4
4.5101/5	Coltello hm sagomato mm.15x20x2 R=5
4.5101/45	Coltello hm sagomato mm.15x20x2 45°
1.61/2	Testa portacoltelli sagomata Ø 80x15
	RICAMBI:
4.5101/2	Coltello hm sagomato mm.15x20x2 R=2
4.5101/3	Coltello hm sagomato mm.15x20x2 R=3
4.5101/4	Coltello hm sagomato mm.15x20x2 R=4
4.5101/5	Coltello hm sagomato mm.15x20x2 R=5
4.5101/45	Coltello hm sagomato mm.15x20x2 45°

art. 1.61

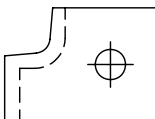
ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

Teste portacoltelli / Cutter head

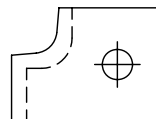


RICAMBI / SPARE PARTS

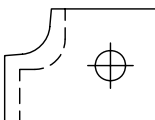
4.5101/2



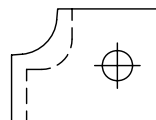
4.5101/3



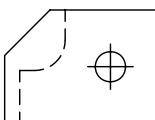
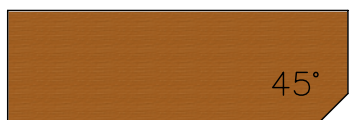
4.5101/4



4.5101/5



4.5101/45



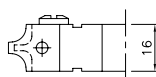
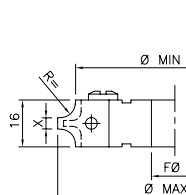
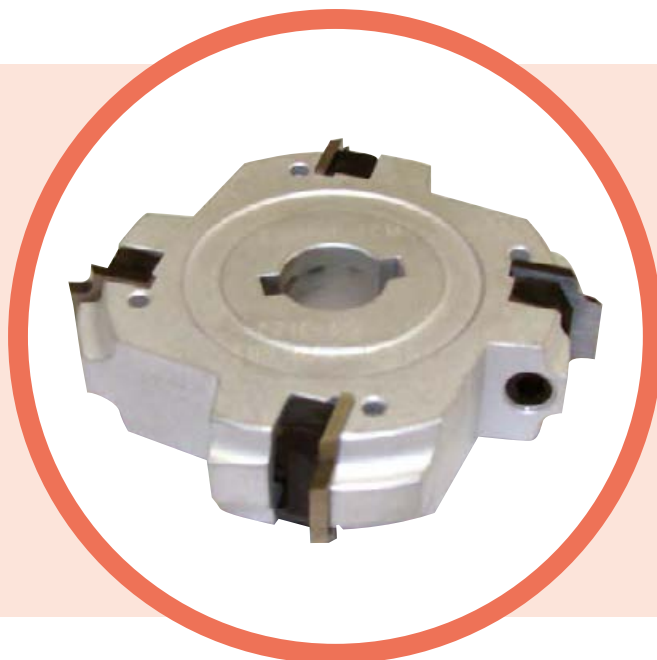
art. 1.62



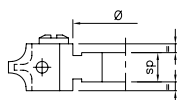
TESTA PORTACOLTELLI SAGOMATA IN LEGA LEGGERA PER RAGGI O SMUSSI SU BORDATRICE CON DOPPIO PROFILO A Z=4



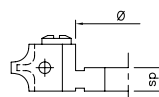
PROFILED INSERT CUTTERHEAD Z=4, MOUNTED ON LIGHT ALLOY TOOL BODY, FOR WORKING OF RADIUS AND CHAMFERS. TO BE USED ON EDGEBANDING MACHINES WITH DOUBLE SHAPE



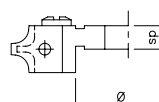
TIPO A
type A



TIPO B
type B



TIPO C
type C



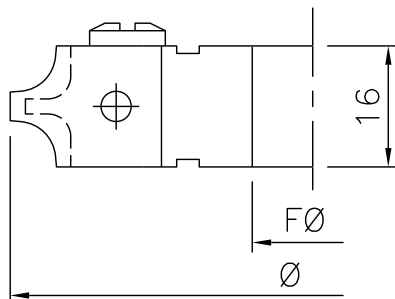
TIPO D
type D

ARTICOLO ITEM	DESCRIZIONE DESCRIPTION
1.62/1	Testa portacoltelli sagomata Ø 70x16
	RICAMBI:
4.5102/2	Coltello hm sagomato mm.16x20x2 R=2
4.5102/3	Coltello hm sagomato mm.16x20x2 R=3
4.5102/4	Coltello hm sagomato mm.16x20x2 R=4
4.5102/5	Coltello hm sagomato mm.16x20x2 R=5
4.5102/45	Coltello hm sagomato mm.16x20x2 45°
1.62/2	Testa portacoltelli sagomata Ø 80x16
	RICAMBI:
4.5102/2	Coltello hm sagomato mm.16x20x2 R=2
4.5102/3	Coltello hm sagomato mm.16x20x2 R=3
4.5102/4	Coltello hm sagomato mm.16x20x2 R=4
4.5102/5	Coltello hm sagomato mm.16x20x2 R=5
4.5102/45	Coltello hm sagomato mm.16x20x2 45°

art. 1.62

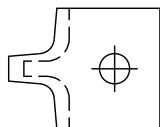
ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

Teste portacoltelli / Cutter head

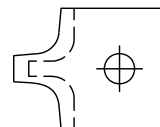


RICAMBI / SPARE PARTS

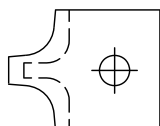
4.5102/2



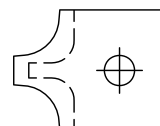
4.5102/3



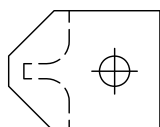
4.5102/4



4.5102/5



4.5102/45



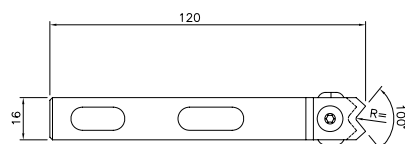
art. 1.65



**PORTAUTENSILE RASCHIABORDO
PER BORDATRICE**



SCRAPPER KNIFE FOR EDGEBANDING

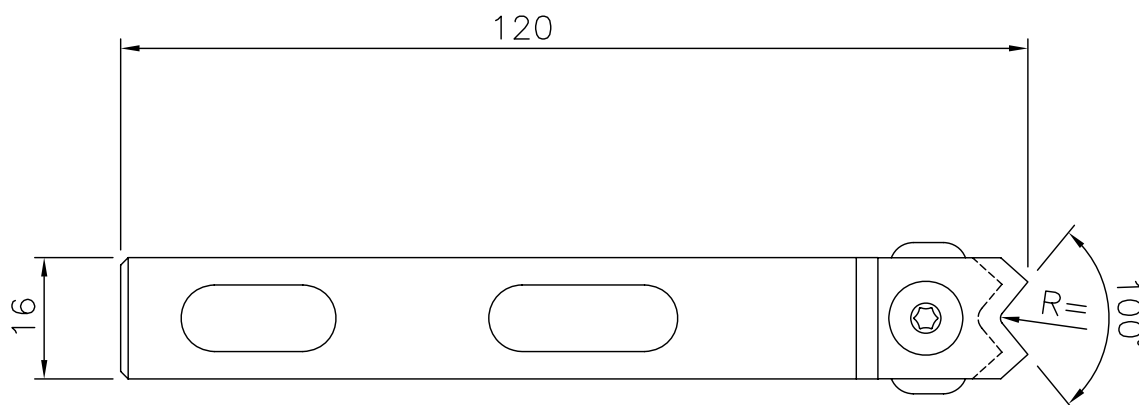


ARTICOLO ITEM	DESCRIZIONE DESCRIPTION
1.65/1	Portautensile raschiabordo mm. 16x16x120
	RICAMBI:
4.5107/1	Coltello hm sagomato mm.16x20x2 R=1
4.5107/2	Coltello hm sagomato mm.16x20x2 R=2
4.5107/3	Coltello hm sagomato mm.16x20x2 R=3

art. 1.65

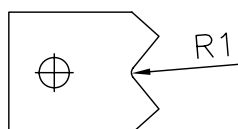
ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

Teste portacoltelli / Cutter head

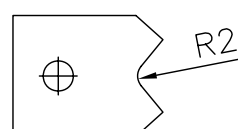


RICAMBI / SPARE PARTS

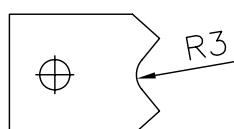
4.5107/1



4.5107/2



4.5107/3



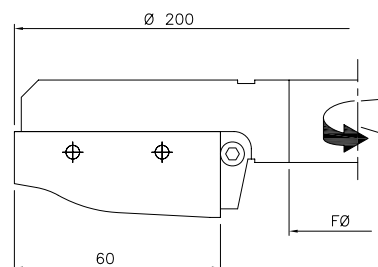
art. 1.71



**TESTA PORTACOLTELLI SAGOMATA PER BUGNE
CON COLTELLO UNICO A Z=3**

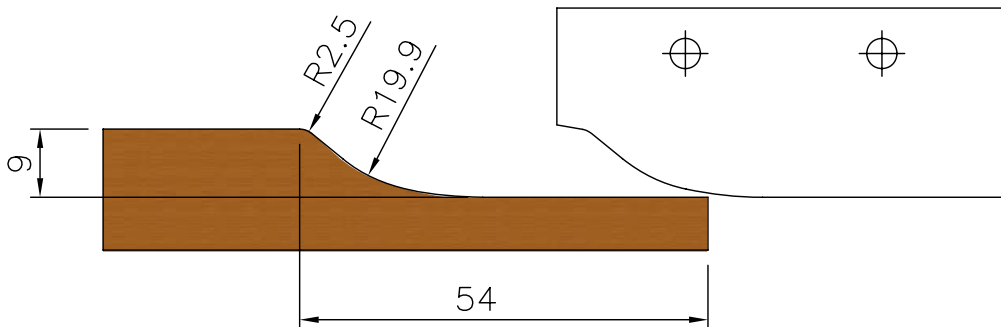


PANEL RAISING CUTTERHEAD, Z=3 FULL KNIVES

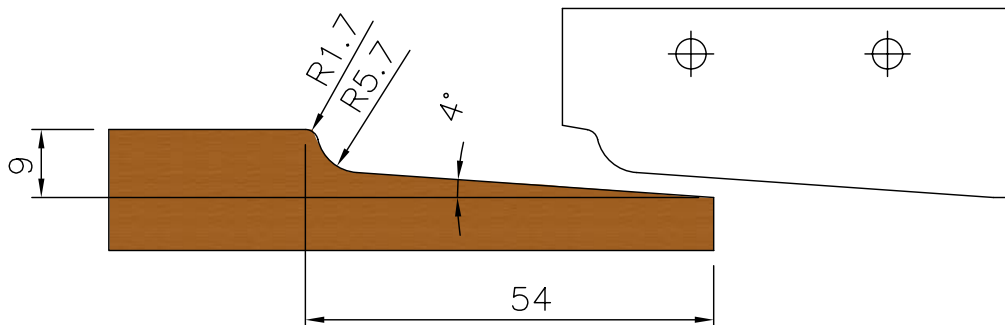


ARTICOLO ITEM	DESCRIZIONE DESCRIPTION
1.71/1	Testa portacoltelli sagomata Ø 200x60
	RICAMBI:
4.5126/1	Coltello hm sagomato mm. 60x25x2
4.5126/2	Coltello hm sagomato mm. 60x25x2
4.5126/3	Coltello hm sagomato mm. 60x25x2
4.5126/4	Coltello hm sagomato mm. 60x25x2

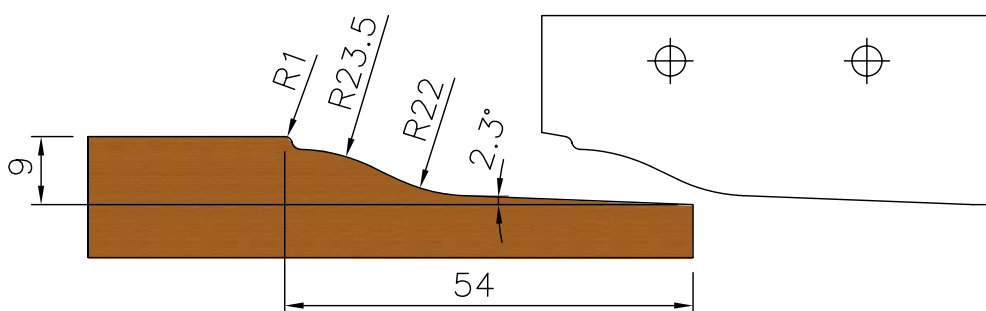
RICAMBI / SPARE PARTS



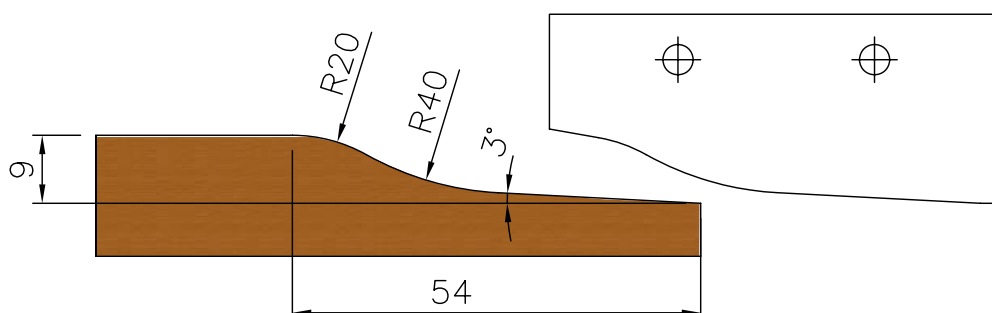
4.5116/1



4.5116/2



4.5116/3



4.5116/4

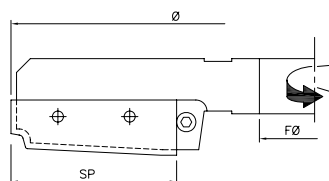
art. 1.71S



**TESTA PORTACOLTELLI SAGOMATA PER
BUGNE CON COLTELLO UNICO E SAGOMA
A RICHIESTA**



**PANEL RAISING CUTTERHEAD FULL KNIVES AND PROFILE
ON REQUEST**



ARTICOLO ITEM	Ø	SPESSORE THICKNESS
1.71S/d1x50	200÷280	50
1.71S/d2x60	200÷280	60
1.71S/d3x80	250÷280	80
1.71S/d4x100	280÷300	100

art. 1.75



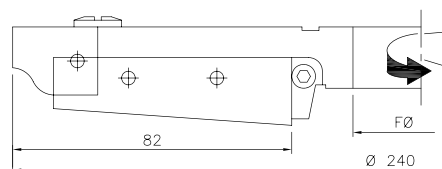
**TESTA PORTACOLTELLI SAGOMATA PER BUGNE
CON DOPPIO COLTELLO A Z=3+3**



PANEL RAISING CUTTERHEAD WITH DOUBLE KNIFE Z=3+3

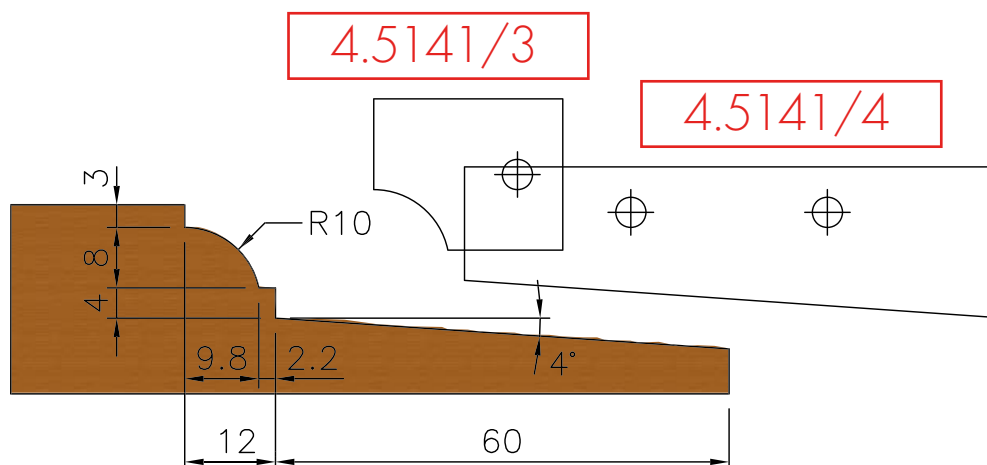
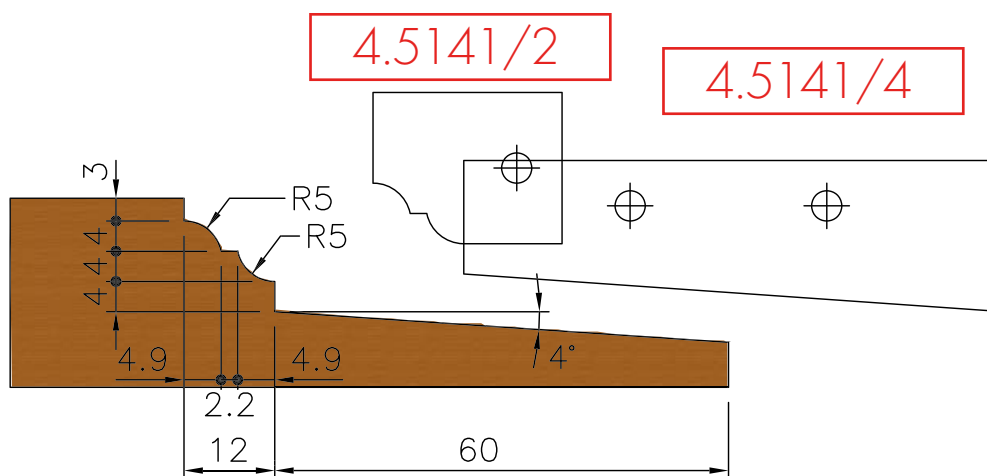
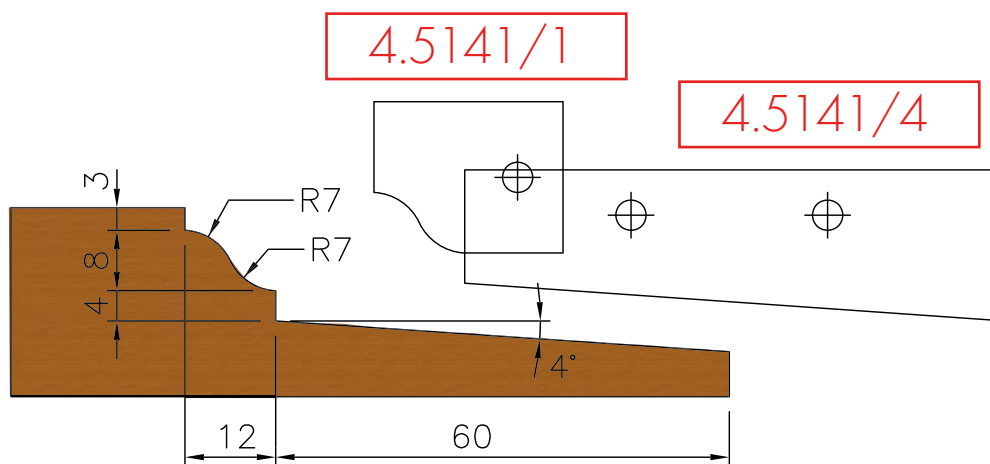


Teste portacoltelli / Cutter head



ARTICOLO ITEM	DESCRIZIONE DESCRIPTION
1.75/1	Testa portacoltelli sagomata Ø 240x82
	RICAMBI:
4.5141/1	Coltello hm sagomato mm.20x25x2
4.5141/2	Coltello hm sagomato mm.20x25x2
4.5141/3	Coltello hm sagomato mm.20x25x2
4.5141/4	Coltello hm sagomato mm.70x20x2

RICAMBI / SPARE PARTS



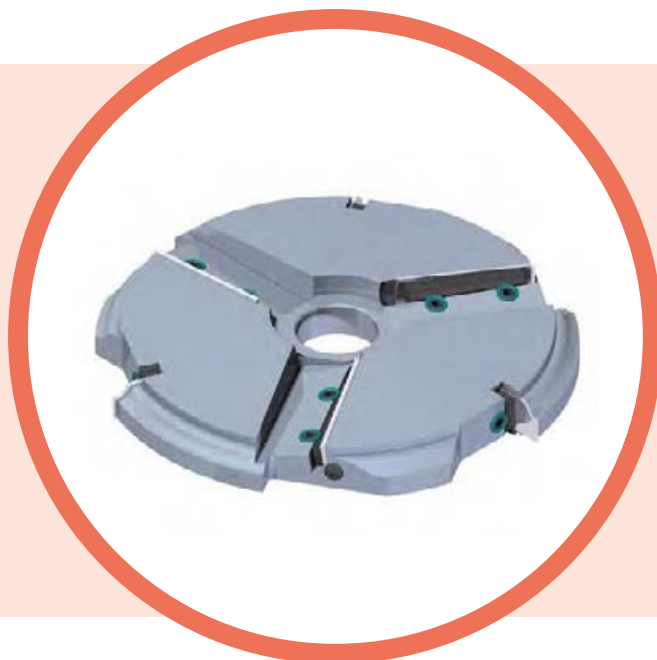
art. 1.75S



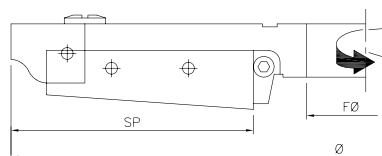
**TESTA PORTACOLTELLI SAGOMATA
PER BUGNE CON DOPPIO COLTELLO E
SAGOMA A RICHIESTA**



**PANEL RAISING CUTTERHEAD WITH DOUBLE KNIFE,
PROFILE ON REQUEST**



Teste portacoltelli / Cutter head



ARTICOLO ITEM	Ø	SPESSORE THICKNESS
1.75S/d1x50	220÷280	50
1.75S/d2x60	220÷280	60
1.75S/d3x80	250÷280	80
1.75S/d4x100	280÷300	100

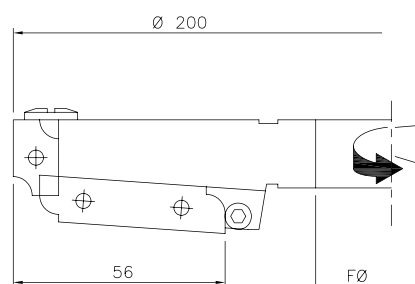
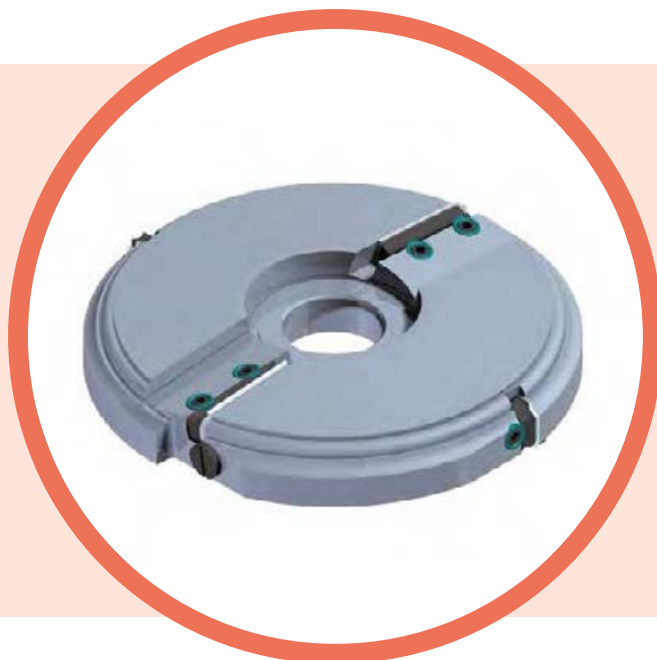
art. 1.77



**TESTA PORTACOLTELLI SAGOMATA PER BUGNE
CON COLTELLI REVERSIBILI SP1,5 A Z=2+2**



**PANEL RAISING CUTTERHEAD Z=2+2 WITH TURNOVER
KNIVES THICKNESS 1,5**

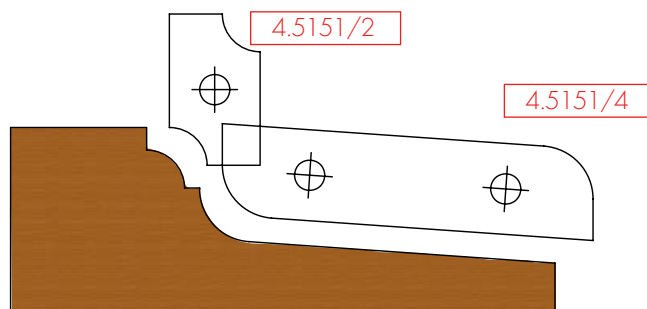
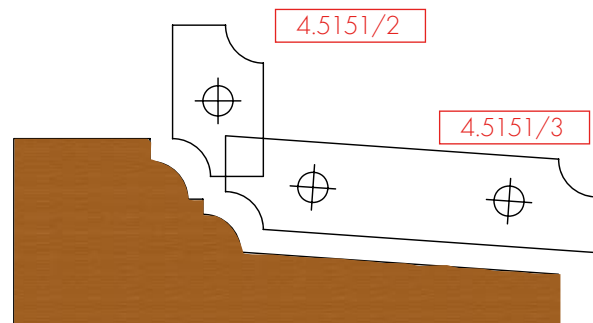
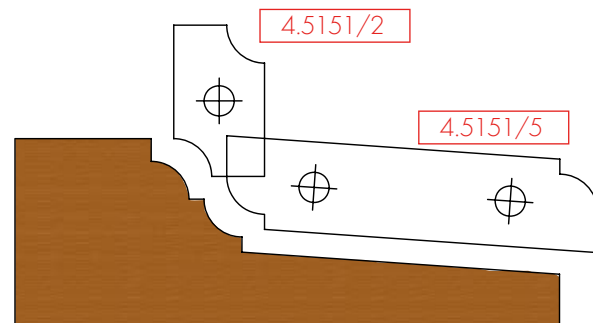
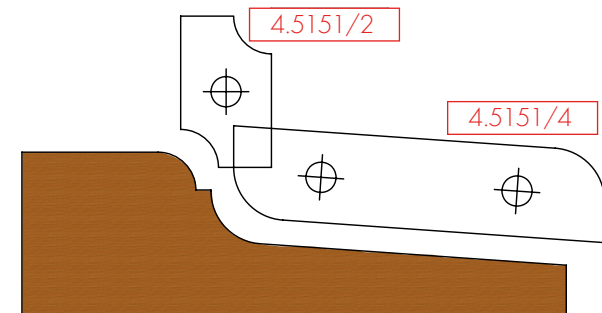
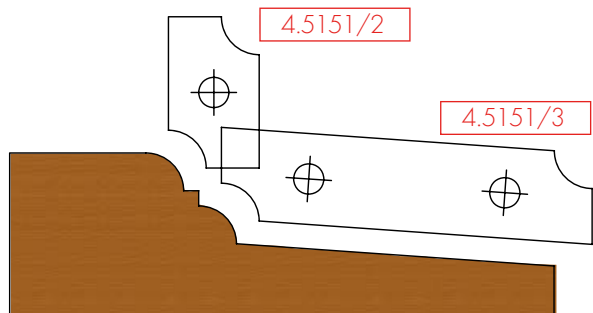
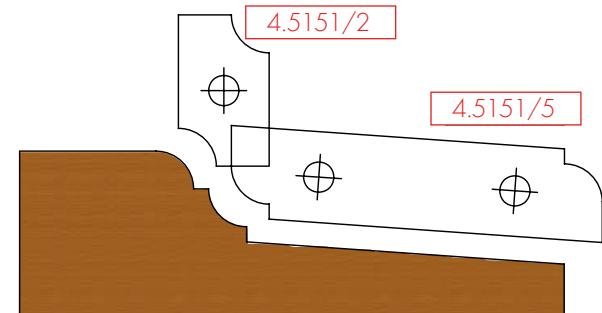
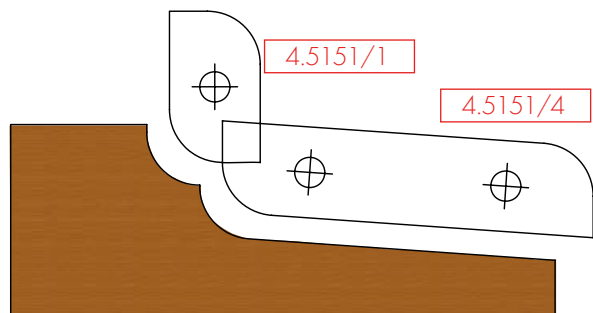
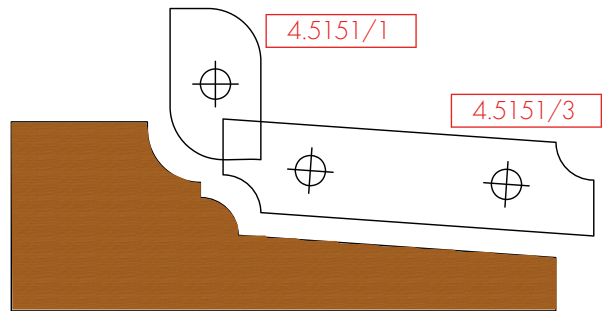
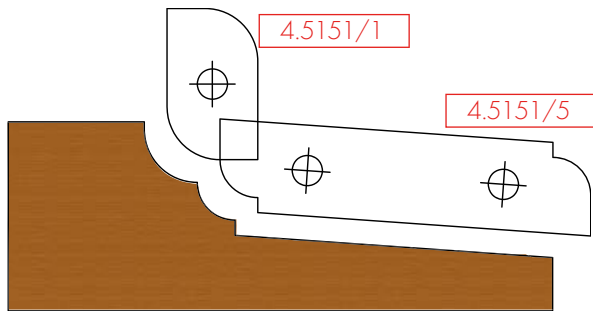


ARTICOLO ITEM	DESCRIZIONE DESCRIPTION
1.77/1	Testa portacoltelli sagomata Ø 200x56
	RICAMBI:
4.5151/1	Coltello hm sagomato mm. 20x12x1,5
4.5151/2	Coltello hm sagomato mm. 20x12x1,5
4.5151/3	Coltello hm sagomato mm. 50x12x1,5
4.5151/4	Coltello hm sagomato mm. 50x12x1,5
4.5151/5	Coltello hm sagomato mm. 50x12x1,5

art. 1.77

ESEMPIO DI LAVORAZIONE WORKING EXAMPLE

Teste portacoltelli / Cutter head



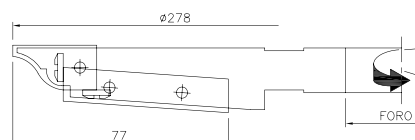
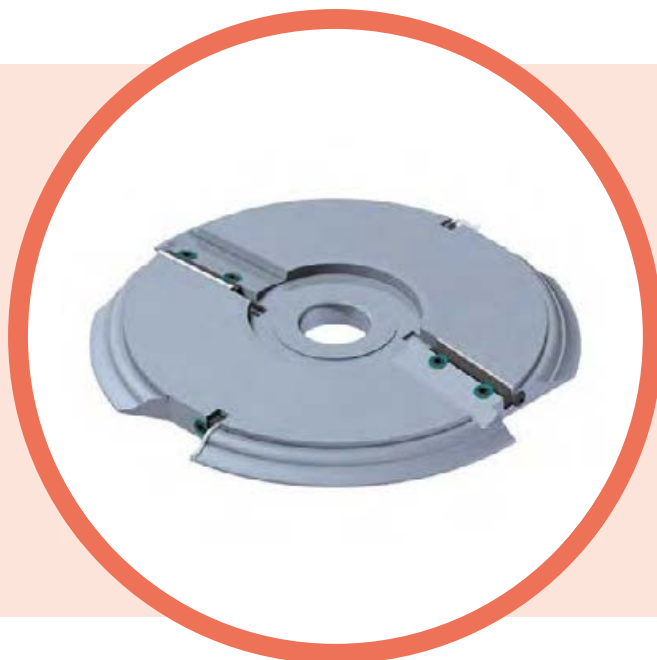
art. 1.79



**TESTA PORTACOLTELLI SAGOMATA
MULTIFUNZIONE DA ESEGUIRE SAGOMA
,CONTROSAGOMA E BUGNA A Z=2+2**



**CUTTERHEAD WITH PROFILED KNIVES Z=2+2 FOR PROFILE-
COUNTERPROFILE AND PANEL RAISING**

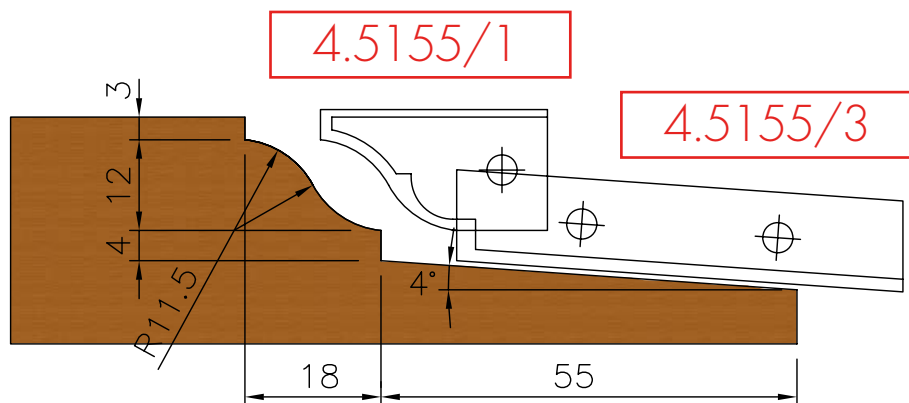
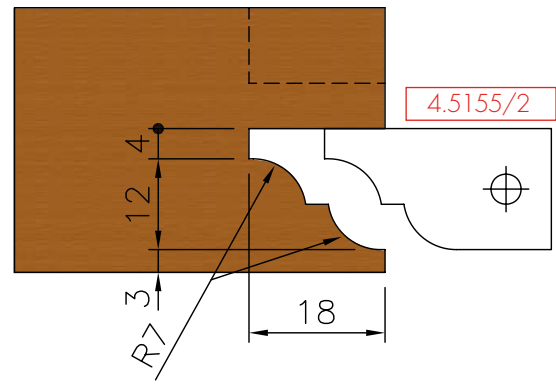
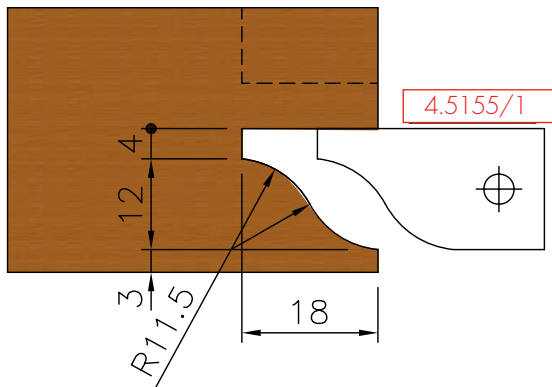
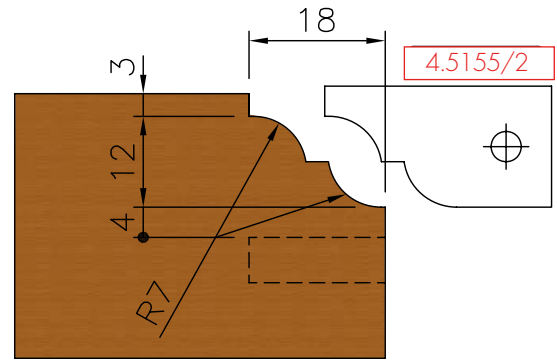
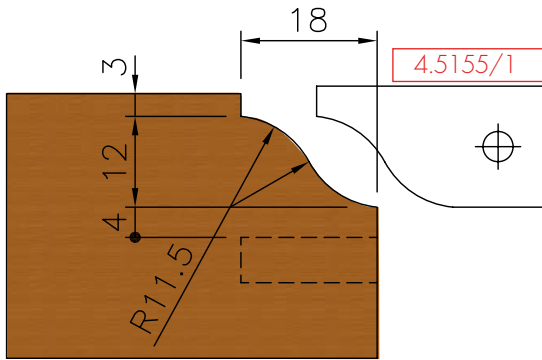


ARTICOLO ITEM	DESCRIZIONE DESCRIPTION
1.79/1	Testa portacoltelli sagomata Ø 278x77
	RICAMBI:
4.5155/1	Coltello hm sagomato mm.16x30x2
4.5155/2	Coltello hm sagomato mm.16x30x2
4.5155/3	Coltello hm sagomato mm.60x12x1,5

art. 1.79

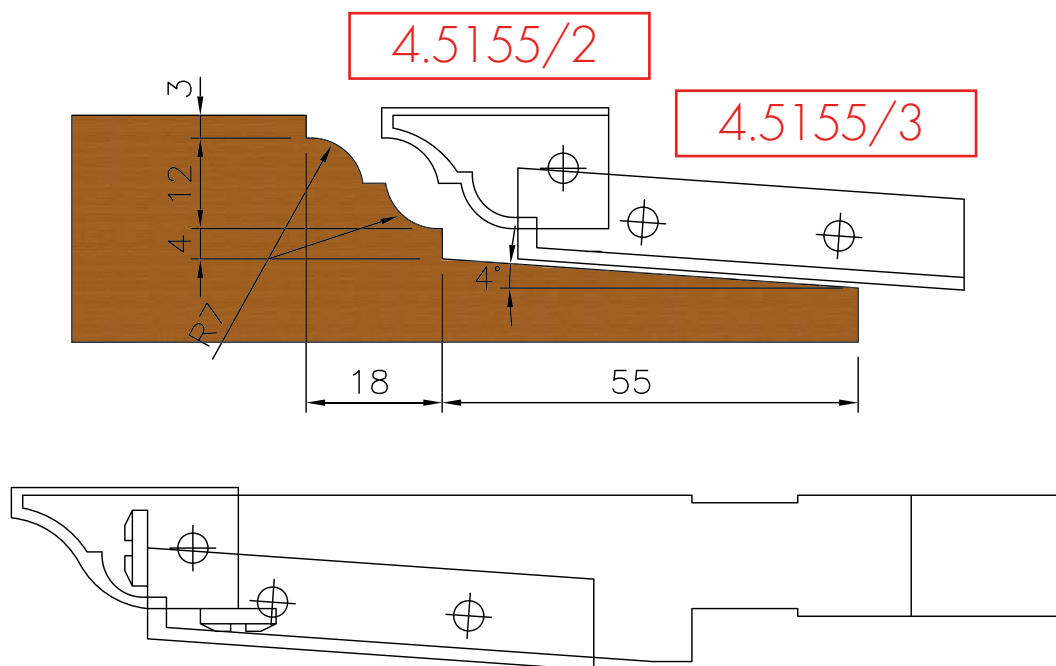
ESEMPIO DI LAVORAZIONE WORKING EXAMPLE

Teste portacoltelli / Cutter head



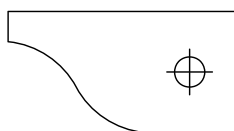
art. 1.79

ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

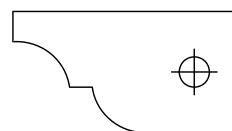


RICAMBI / SPARE PARTS

4.5155/1



4.5155/2



4.5155/3



art. 1.1001



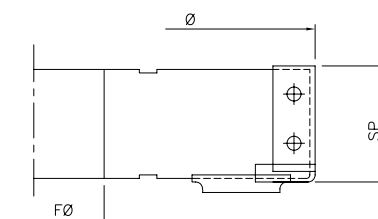
**TESTA PORTACOLTELLI SPECIALE A
DISEGNO CON COLTELLI REVERSIBILI**



**SPECIAL CUTTERHEAD WITH TURNOVER KNIVES
ON REQUEST**



Teste portacoltelli / Cutter head



ARTICOLO ITEM	Ø	SPESSORE THICKNESS
1.1001/d1x20	100÷160	20
1.1001/d2x20	161÷200	20
1.1001/d3x20	201÷260	20
1.1001/d4x20	261÷300	20
1.1001/d1x30	100÷160	30
1.1001/d2x30	161÷200	30
1.1001/d3x30	201÷260	30
1.1001/d4x30	261÷300	30
1.1001/d1x40	100÷160	40
1.1001/d2x40	161÷200	40
1.1001/d3x40	201÷260	40
1.1001/d4x40	261÷300	40
1.1001/d1x50	100÷160	50
1.1001/d2x50	161÷200	50
1.1001/d3x50	201÷260	50
1.1001/d4x50	261÷300	50
1.1001/d1x60	100÷160	60
1.1001/d2x60	161÷200	60
1.1001/d3x60	201÷260	60
1.1001/d4x60	261÷300	60

art. 1.1001

ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

art. 1.1011



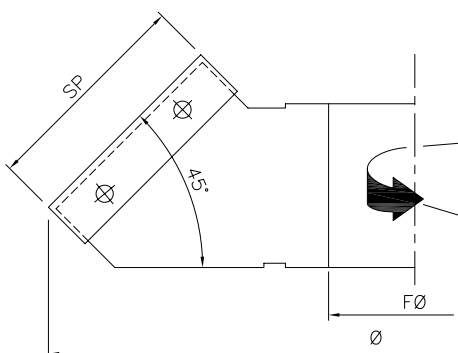
**TESTA PORTACOLTELLI PER SMUSSI A 45°
CON COLTELLI REVERSIBILI A Z=2**



**45° BEVELLING CUTTERHEAD WITH TURNOVER
KNIVES Z=2**



Teste portacoltelli / Cutter head



ARTICOLO ITEM	Ø	SPESSORE THICKNESS
1.1011/140x30	140	30
1.1011/150x40	150	40
1.1011/160x30	160	30
1.1011/160x40	160	40
1.1011/160x50	160	50
1.1011/180x30	180	30
1.1011/180x40	180	40
1.1011/180x50	180	50

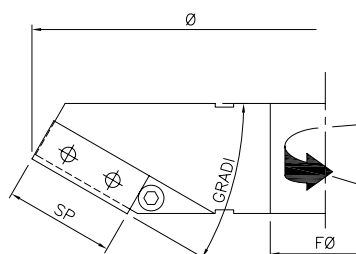
art. 1.1011A



TESTA PORTACOLTELLI PER SMUSSI CON GRADI A RICHIESTA CON COLTELLI REVERSIBILI



CHAMFERING CUTTERHEAD WITH TURNOVER KNIVES AND DEGREES ON REQUEST



ARTICOLO ITEM	Ø	SPESSORE THICKNESS
1.1011A/140x30	140	30
1.1011A/150x30	150	30
1.1011A/150x40	150	40
1.1011A/150x50	150	50
1.1011A/160x30	160	30
1.1011A/160x40	160	40
1.1011A/160x50	160	50
1.1011A/180x30	180	30
1.1011A/180x40	180	40
1.1011A/180x50	180	50
1.1011A/200x30	200	30
1.1011A/200x40	200	40
1.1011A/200x50	200	50
1.1011A/200x60	200	60

art. 1.1015



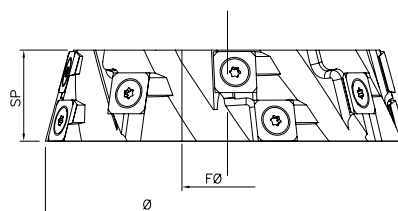
**TESTA PORTACOLTELLI PER SMUSSI
CON GRADI A RICHIESTA A COLTELLI
mm.14X14X2**



**CHAMFERING CUTTERHEAD, DEGREES ON REQUEST,
KNIVES mm.14x14x2**



Teste portacoltelli / Cutter head



ARTICOLO ITEM	Ø	SPESSORE THICKNESS	Z
1.1015/120x30	120	30	4+4+4
1.1015/140x30	140	30	4+4+4
1.1015/120x50	120	50	4+4+4+4+4
1.1015/140x50	140	50	4+4+4+4+4

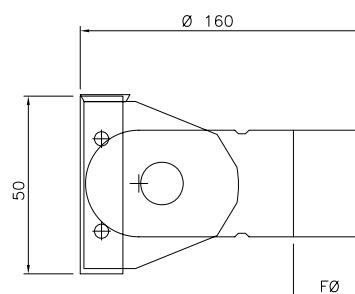
art. 1.1021



**TESTA PORTACOLTELLI INCLINABILE DA 0 A 80°
GRADO PER GRADO A Z=2+2 RAS.**



**PIVOTING CUTTERHEAD FROM 0 ° TO 80°, ADJUSTABLE
FROM 1° TO 1°, Z=2+V2**



ARTICOLO ITEM	Ø	SPESSORE THICKNESS
1.1021/160x50	160	50

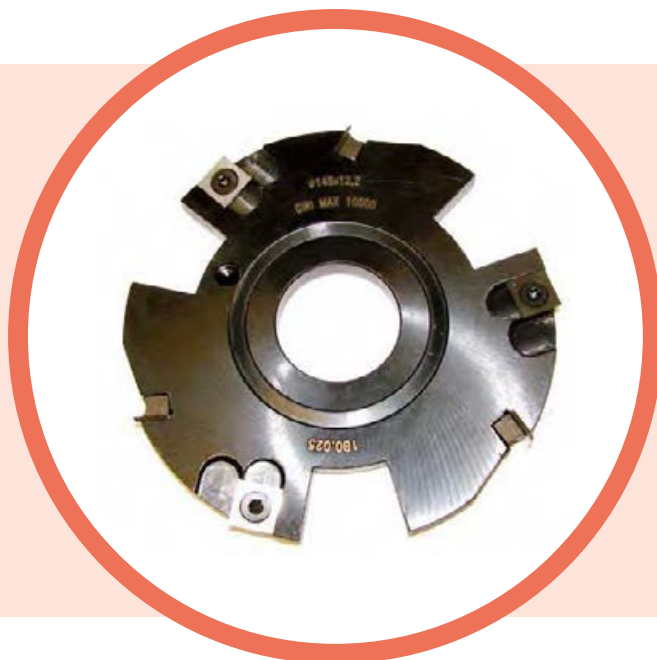
art. 1.1031



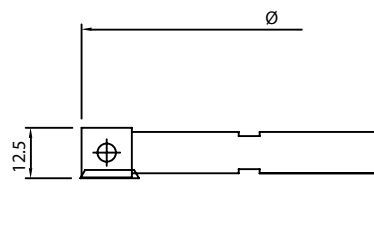
TESTA A PIALlare PER GUIDA LATERALE



PRE-GROOVING CUTTERHEAD



Teste portacoltelli / Cutter head



ARTICOLO ITEM	Ø	SPESSORE THICKNESS	Z
1.1031/125x12,5	125	12,5	2+2 ras
1.1031/145x12,5/2+2	145	12,5	2+2 ras
1.1031/145x12,5/3+3	145	12,5	3+3 ras

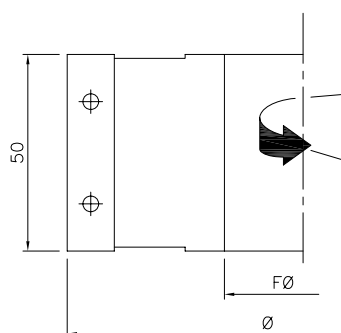
art. 1.1035



**TESTA PORTACOLTELLI A PIALLARE
COMPONIBILE A Z=4**



SECTIONAL PLANING CUTTERHEAD Z=4



ARTICOLO ITEM	Ø	SPESSORE THICKNESS
1.1035/120x50	120	50
1.1035/125x50	125	50
1.1035/140x50	140	50

art. 1.1041



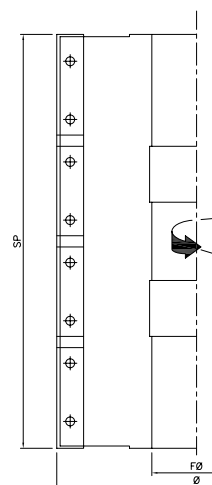
TESTA PORTACOLTELLI A PIALLORE CON COLTELLI MM 50X12X1,5 A Z=3



PLANING CUTTERHEAD Z=3 WITH INSERT KNIVES 50x12x1,5 mm.



Teste portacoltelli / Cutter head



ARTICOLO ITEM	Ø	SPESSORE THICKNESS	Z
1.1041/100x120	100	120	9
1.1041/100x184	100	184	12
1.1041/120x118	120	118	9
1.1041/120x130	120	130	9
1.1041/120x184	120	184	12
1.1041/120x230	120	230	15
1.1041/120x250	120	250	18
1.1041/125x118	125	118	9
1.1041/125x130	125	130	9
1.1041/125x184	125	184	12
1.1041/125x230	125	230	15
1.1041/125x250	125	250	18
1.1041/140x118	140	118	9
1.1041/140x130	140	130	9
1.1041/140x184	140	184	12
1.1041/140x230	140	230	15
1.1041/140x250	140	250	18

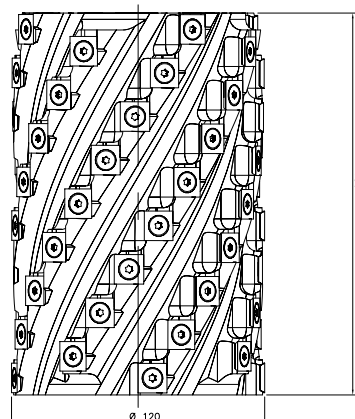
art. 1.1051



**TESTA A PIALARE TIPO ELICOIDALE CON COLTELLI
MM 14X14X2 A Z=4+4**



**SPIRAL PLANING CUTTERHEAD Z=4+4 WITH INSERT KNIVES
14x14x2 mm.**



ARTICOLO ITEM	Ø	SPESSORE THICKNESS	Z
1.1051/120x120	120	120	44
1.1051/120x150	120	150	56
1.1051/120x180	120	180	68
1.1051/120x230	120	230	88
1.1051/125x120	125	120	44
1.1051/125x150	125	150	56
1.1051/125x180	125	180	68
1.1051/125x230	125	230	88
1.1051/125x240	125	240	88

art. 1.1061



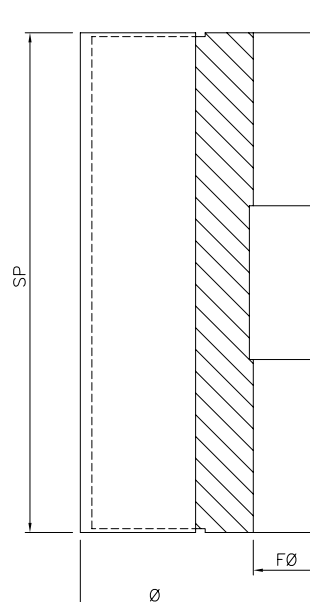
**TESTA PORTACOLTELLI A PIALlare
CON COLTELLI HSS 18% A Z=4**



**PLANING CUTTERHEAD Z=4 WITH HSS KNIVES
18%**



Teste portacoltelli / Cutter head



ARTICOLO ITEM	Ø	SPESSORE THICKNESS
1.1061/120x060	120-125	60
1.1061/120x080	120-125	80
1.1061/120x100	120-125	100
1.1061/120x120	120-125	120
1.1061/120x130	120-125	130
1.1061/120x140	120-125	140
1.1061/120x150	120-125	150
1.1061/120x160	120-125	160
1.1061/120x170	120-125	170
1.1061/120x180	120-125	180
1.1061/120x190	120-125	190
1.1061/120x200	120-125	200
1.1061/120x210	120-125	210
1.1061/120x220	120-125	220
1.1061/120x230	120-125	230
1.1061/120x240	120-125	240
1.1061/120x250	120-125	250

art. 1.1061

ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

ARTICOLO ITEM	Ø	SPESSORE THICKNESS
1.1061/140x060	140	60
1.1061/140x080	140	80
1.1061/140x100	140	100
1.1061/140x120	140	120
1.1061/140x130	140	130
1.1061/140x140	140	140
1.1061/140x150	140	150
1.1061/140x160	140	160
1.1061/140x170	140	170
1.1061/140x180	140	180
1.1061/140x190	140	190
1.1061/140x200	140	200
1.1061/140x210	140	210
1.1061/140x220	140	220
1.1061/140x230	140	230

art. 1.1101



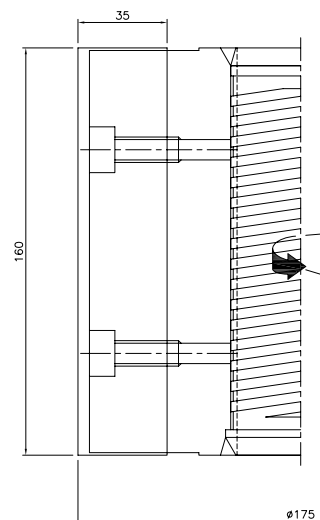
**TESTA A PIALLARE CON SISTEMA HYDRO
E COLTELLI HSS 18%**



**PLANING CUTTERHEAD WITH HYDRO SYSTEM AND
HSS KNIVES 18%**



Teste portacoltelli / Cutter head



ARTICOLO ITEM	Ø	SPESSORE THICKNESS	Z
1.1101/163x60Z4	163	60	4
1.1101/163x100Z4	163	100	4
1.1101/163x130Z4	163	130	4
1.1101/163x150Z4	163	150	4
1.1101/163x160Z4	163	160	4
1.1101/163x170Z4	163	170	4
1.1101/163x180Z4	163	180	4
1.1101/163x230Z4	163	230	4
1.1101/163x240Z4	163	240	4
1.1101/163x260Z4	163	260	4
1.1101/163x310Z4	163	310	4
1.1101/163x060Z6	163	60	6
1.1101/163x100Z6	163	100	6
1.1101/163x130Z6	163	130	6
1.1101/163x150Z6	163	150	6
1.1101/163x160Z6	163	160	6
1.1101/163x170Z6	163	170	6

art. 1.1101

ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

ARTICOLO ITEM	Ø	SPESSORE THICKNESS	Z
1.1101/163x180Z6	163	180	6
1.1101/163x230Z6	163	230	6
1.1101/163x240Z6	163	240	6
1.1101/163x260Z6	163	260	6
1.1101/203x150Z6	203	150	6
1.1101/203x230Z6	203	230	6
1.1101/163x060Z8	163	60	8
1.1101/163x100Z8	163	100	8
1.1101/163x130Z8	163	130	8
1.1101/163x150Z8	163	150	8
1.1101/163x160Z8	163	160	8
1.1101/163x180Z8	163	180	8
1.1101/163x230Z8	163	230	8
1.1101/203x150Z8	203	150	8
1.1101/203x230Z8	203	230	8
1.1101/203x260Z8	203	260	8
1.1101/203x100Z10	203	100	10
1.1101/203x150Z10	203	150	10
1.1101/203x160Z10	203	160	10
1.1101/203x230Z10	203	230	10
1.1101/203x260Z10	203	260	10
1.1101/203x310Z10	203	310	10
1.1101/203x100Z12	203	100	12
1.1101/203x150Z12	203	150	12
1.1101/203x230Z12	203	230	12
1.1101/203x260Z12	203	260	12
1.1101/203x310Z12	203	310	12

- **PER POMPA GRASSO VEDI ARTICOLO 5.1005**
- **FOR GREASE PUMP SEE ART.5.1005**

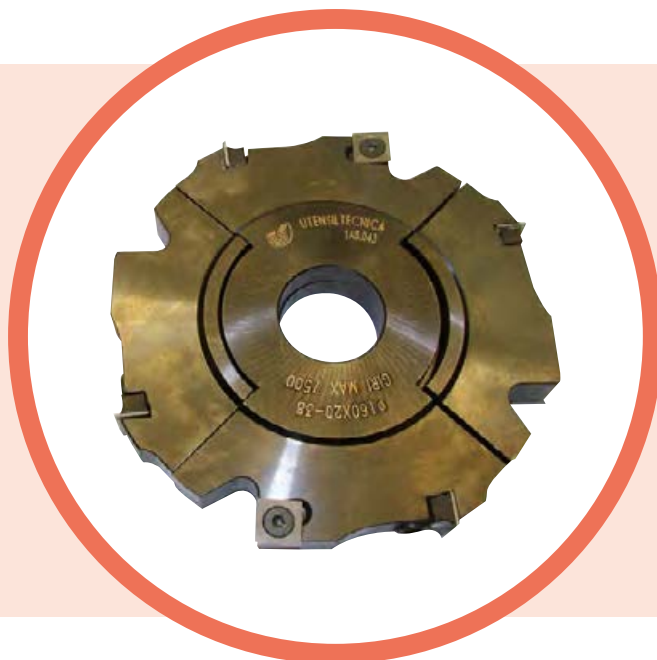
art. 1.1201



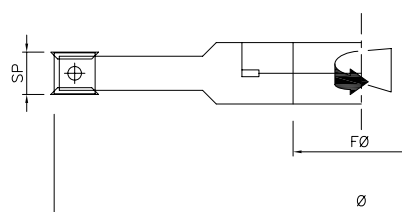
**TESTA PORTACOLTELLI REGOLABILE
CON ANELLI**



**INSERT CUTTERHEAD ADJUSTABLE BY SPACER
RINGS**



Teste portacoltelli / Cutter head



ARTICOLO ITEM	Ø	SPESSORE THICKNESS	Z	R
1.1201/140xs1x4+4	140	8÷15,5	4	4
1.1201/140xs2x4+4	140	12,5÷24	4	4
1.1201/140xs3x4+4	140	15,5÷30	4	4
1.1201/140xs4x4+4	140	20,5÷40	4	4
1.1201/160xs1x8+4	160	4÷7,5	8	4
1.1201/160xs2x8+4	160	6÷11,5	8	4
1.1201/160xs1x4+4	160	8÷15,5	4	4
1.1201/160xs2x4+4	160	12,5÷24	4	4
1.1201/160xs3x4+4	160	15,5÷30	4	4
1.1201/160xs4x4+4	160	20,5÷40	4	4
1.1201/160xs5x4+4	160	30,5÷60	4	4
1.1201/200xs1x8+4	200	4÷7,5	8	4
1.1201/200xs2x8+4	200	6÷11,5	8	4
1.1201/200xs1x4+4	200	8÷15,5	4	4
1.1201/200xs2x4+4	200	12,5÷24	4	4
1.1201/200xs3x4+4	200	15,5÷30	4	4
1.1201/200xs4x4+4	200	20,5÷40	4	4
1.1201/200xs5x4+4	200	30,5÷60	4	4
1.1201/250xs1x6+6	250	8÷15,5	6	6
1.1201/250xs2x6+6	250	12,5÷24	6	6
1.1201/250xs3x6+6	250	15,5÷30	6	6

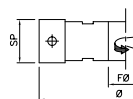
art. 1.1301



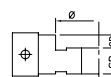
TESTA PORTACOLTELLI PIANA PER BORDATRICE



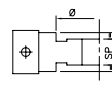
STRAIGHT INSERT CUTTERHEAD FOR EDGEBANDING MACHINE



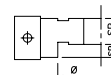
TIPO A
type A



TIPO C
type C



TIPO B
type B



TIPO D
type D

ARTICOLO ITEM	Ø	SPESSORE THICKNESS
1.1301/60x15	60	15
1.1301/60x20	60	20
1.1301/60x30	60	30
1.1301/65x15	65	15
1.1301/65x20	65	20
1.1301/65x30	65	30
1.1301/70x15	70	15
1.1301/70x20	70	20
1.1301/70x30	70	30
1.1301/75x15	75	15
1.1301/75x20	75	20
1.1301/75x30	75	30
1.1301/80x15	80	15
1.1301/80x20	80	20
1.1301/80x30	80	30
1.1301/90x15	90	15
1.1301/90x20	90	20
1.1301/90x30	90	30
1.1301/100x15	100	15
1.1301/100x20	100	20
1.1301/100x30	100	30

Fam. 3

Punte porta coltelli
Insert knives cutter heads



INDICE / SUMMARY



art. 3.01 pag. 08

**PUNTA PORTACOLTELLO SAGOMATA
TIPO BITAGLIENTE A PROFILO SEMPLICE
CON ATTACCO Ø 20x50**

PROFIED INSERT SHANK CUTTER FOR
SIMPLE SHAPE ON SHANK Ø 20X50,
Z=1 KNIFE WITH DOUBLE CUT



art. 3.08 pag. 15

**PUNTA PORTACOLTELLO SAGOMATA
CON COLTELLO SP. 1.5 E ATTACCO Ø
20x50 A Z=2**

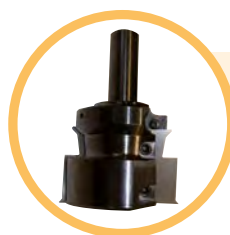
PROFIED INSERT SHANK CUTTER Z=2
WITH KNIFE THICKNESS 1,5 ON SHANK
Ø 20X50



art. 3.02 pag. 11

**PUNTA PORTACOLTELLO SAGOMATA
TIPO BITAGLIENTE A PROFILO SEMPLICE
CON ATTACCO CM2 FILETTO Ø 30**

PROFIED INSERT SHANK CUTTER FOR
SIMPLE SHAPE ON SHANK MK2 THREAD Ø
30, Z=1 KNIFE WITH DOUBLE CUT



art. 3.11 pag. 16

**PUNTA PORTACOLTELLI PER
PANTOGRAFO SAGOMATA
A PROFILO SEMPLICE CON ATTACCO Ø
20x50 A Z=2**

CNC ROUTING CUTTER FOR SIMPLE SHAPE
ON SHANK Ø 20X50 WITH PROFIED
KNIVES Z=2



art. 3.03 pag. 12

**PUNTA PORTACOLTELLO SAGOMATA
TIPO BITAGLIENTE A PROFILO
COMPLESSO CON ATTACCO Ø 20x50**

PROFIED INSERT SHANK CUTTER FOR
COMPLEX SHAPE ON SHANK Ø 20 X 50,
Z=1 KNIFE WITH DOUBLE CUT



art. 3.12 pag. 18

**PUNTA PORTACOLTELLI PER PANTOGRAFO
SAGOMATA A PROFILO SEMPLICE CON
ATTACCO CM2 FILETTO Ø 30 A Z=2**

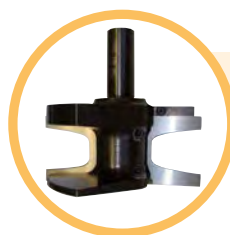
PROFIED INSERT SHANK CUTTER FOR SIMPLE
SHAPE FOR ROUTING ON CNC MACHINE,
Z=2 PROFIED KNIVES, SHANK MK2 THREAD
Ø 30



art. 3.04 pag. 13

**PUNTA PORTACOLTELLO SAGOMATA
TIPO BITAGLIENTE A PROFILO
COMPLESSO CON ATTACCO CM2
FILETTO Ø 30**

PROFIED INSERT SHANK CUTTER FOR
COMPLEX SHAPE ON SHANK MK2 THREAD
Ø 30, Z=1 KNIFE WITH DOUBLE CUT



art. 3.13 pag. 19

**PUNTA PORTACOLTELLI PER PANTOGRAFO
SAGOMATA A PROFILO COMPLESSO
CON ATTACCO Ø 20x50 A Z=2**

PROFIED INSERT SHANK CUTTER FOR
COMPLEX SHAPE, FOR ROUTING ON CNC
MACHINE, Z=2 PROFIED KNIVES, SHANK Ø
20X50



art. 3.07 pag. 14

**PUNTA PORTACOLTELLO SAGOMATA
CON COLTELLO SP. 1.5 E ATTACCO Ø
20x50 A Z=1**

PROFIED INSERT SHANK CUTTER Z=1
KNIFE WITH THICKNESS 1,5 ON SHANK
Ø 20X50



art. 3.14 pag. 20

**PUNTA PORTACOLTELLI PER PANTOGRAFO
SAGOMATA A PROFILO COMPLESSO CON
ATTACCO CM2 FILETTO Ø 30 A Z=2**

PROFIED INSERT SHANK CUTTER FOR COMPLEX
SHAPE, FOR ROUTING ON CNC MACHINE, Z=2
PROFIED KNIVES, ON SHANK MK2 THREAD
Ø 30

INDICE / SUMMARY



art. 3.15 pag. 21

PUNTE PORTACOLTELLI SAGOMATE PER REALIZZARE N. 5 PROFILI DI ANTINE
PROFIED INSERT SHANK CUTTERS FOR CABINET DOORS, SET FOR N.5 DIFFERENT PROFILES



art. 3.25 pag. 41

PUNTA PORTACOLTELLI SAGOMATA PER ESEGUIRE SCANALATURE INSERIMENTO ALLUMINIO E SEDE MANIGLIA CON ATTACCO Ø 20x50 TIPO BITAGLIANTE
INSERT SHANK CUTTER FOR T-SLOT GROOVING OF ALUMINIUM AND HANDLE SLOT, Z=1 PROFIED KNIFE WITH DOUBLE CUT, SHANK Ø 20x50



art. 3.15A pag. 25

PUNTE PORTACOLTELLI SAGOMATE PER REALIZZARE PROFILO ANTINA AD ANGOLO R=1,5 CON ATTACCO Ø20x50
SET OF PROFIED INSERT SHANK CUTTERS FOR CABINET DOORS PROFILES WITH ANGLE R=1,5 ON SHANK Ø 20x50



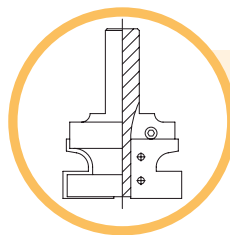
art. 3.25S pag. 43

PUNTA PORTACOLTELLI SAGOMATA PER ESEGUIRE SCANALATURE INSERIMENTO ALLUMINIO E SEDE MANIGLIA CON PROFILO A RICHIESTA AD ATTACCO Ø 20x50 TIPO BITAGLIANTE
INSERT SHANK CUTTER FOR T-SLOT GROOVING OF ALUMINIUM AND HANDLE SLOT, PROFILE ON REQUEST, Z=1 PROFIED KNIFE WITH DOUBLE CUT, SHANK Ø 20x50



art. 3.16 pag. 29

PUNTA PORTACOLTELLI SAGOMATA PER QUADRATURA E CONTORNATURA A QUARTO DI TONDO CON ATTACCO Ø 20x50 A Z=2
PROFIED INSERT SHANK CUTTER Z=2 ON SHANK Ø 20x50 FOR QUARTER ROUND SQUARING AND ROUTING



art. 3.27 pag. 45

PUNTA PORTACOLTELLI SAGOMATA PER SEDE FERMAVETRO CON ATTACCO Ø 20x50 A Z=2
PROFIED INSERT SHANK CUTTER FOR GLASS SLOT ON SHANK Ø 20 X 50 Z=2



art. 3.17 pag. 39

PUNTA PORTACOLTELLI MULTIPROFILO CON ATTACCO Ø 20x50 A Z=2
MULTIPROFIED INSERT SHANK CUTTER, Z=2 PROFIED KNIVES, SHANK Ø 20x50



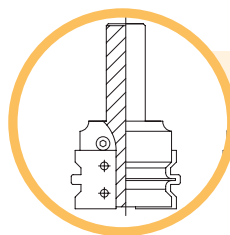
art. 3.32 pag. 46

PUNTA PORTACOLTELLI SAGOMATA PER GIUNZIONI CON ATTACCO Ø 20x50 A Z=2
FINGER JOINTING INSERT SHANK CUTTER, Z=2 PROFIED KNIVES, SHANK Ø 20x50



art. 3.21 pag. 40

PUNTA PORTACOLTELLI SAGOMATA PER PROFILO SAPONETTA ATTACCO Ø 20x50 A Z=2
PROFIED INSERT SHANK CUTTER Z=2 FOR SPECIAL SHAPE ON SHANK Ø 20 X 50



art. 3.34 pag. 48

PUNTE PORTACOLTELLI SAGOMATE PER ESEGUIRE MASCHIO + FEMMINA FISSO CON ATTACCO Ø 20x50 A Z=2
TONGUE AND GROOVE INSERT SHANK CUTTERS, Z=2 PROFIED KNIVES, SHANK Ø 20x50

INDICE / SUMMARY



art. 3.35 pag. 50

GRUPPI PUNTE PORTACOLTELLI PER ESEGUIRE MASCHIO + FEMMINA
COMPONIBILI SU MANDRINI ATTACCO Ø 20 O 25 A Z=2

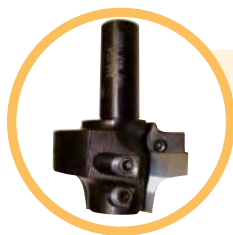
TONGUE AND GROOVE INSERT SHANK CUTTERS SET, MOUNTED ON SPINDLE WITH SHANK Ø 20 OR Ø 25, Z=2 PROFILED KNIVES



art. 3.46 pag. 71

PUNTA PORTACOLTELLI SAGOMATA A SQUADRARE E CONTORNARE CON RAGGIO O SMUSSO CON ATTACCO Ø 20x50 A Z=2

PROFILED INSERT SHANK CUTTER Z=2 FOR PROFILING AND SQUARING OF RADIUS OR CHAMFERS ON SHANK Ø 20X50



art. 3.41 pag. 53

PUNTA PORTACOLTELLI SAGOMATA PER QUARTI DI TONDO A RAGGIO CONVESSO
CON ATTACCO Ø 20x50 A Z=2

PROFILED INSERT SHANK CUTTER FOR QUARTER ROUND SHAPE WITH CONVEX RADIUS, Z=2 PROFILED KNIVES, ON SHANK Ø 20X50



art. 3.46A pag. 76

PUNTA PORTACOLTELLI SAGOMATA A DUE ELEMENTI PER SQUADRARE E CONTORNARE CON RAGGIO O SMUSSO PER SPESSORI REGOLABILI CON ATTACCO Ø 20X50 A Z=2

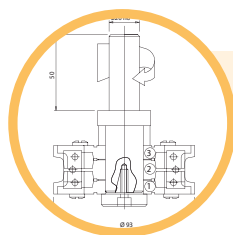
ADJUSTABLE INSERT SHANK CUTTER WITH PROFILED KNIVES Z=2, FOR SQUARING AND PROFILING OF RADIUS OR CHAMFERS, ASSEMBLED IN TWO PIECES ON SHANK Ø 20X50



art. 3.42 pag. 58

PUNTA PORTACOLTELLI SAGOMATA PER QUARTI DI TONDO A RAGGIO CONCAVO CON ATTACCO Ø 20x50 A Z=2

PROFILED INSERT SHANK CUTTER FOR QUARTER ROUND SHAPE WITH CONCAVE RADIUS, Z=2 PROFILED KNIVES, SHANK Ø 20X50



art. 3.46B pag. 80

PUNTA PORTACOLTELLI SAGOMATA A TRE ELEMENTI PER SQUADRARE E CONTORNARE CON RAGGIO O SMUSSO PER SPESSORI REGOLABILI CON ATTACCO Ø 20X50 SU MANDRINO A Z=2

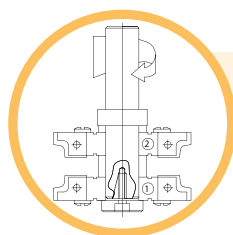
ADJUSTABLE INSERT SHANK CUTTER, Z=2 PROFILED KNIVES FOR SQUARING AND PROFILING RADIUS OR CHAMFERS, ASSEMBLED IN THREE PIECES ON SPINDLE WITH SHANK Ø 20X50



art. 3.43 pag. 63

PUNTA PORTACOLTELLI SAGOMATA PER MEZZI TONDI A RAGGIO CONVESSO CON ATTACCO Ø 20x50 A Z=2

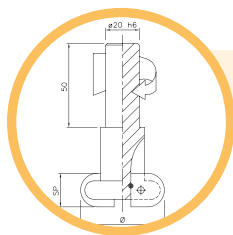
PROFILED INSERT SHANK CUTTER FOR HALF ROUND SHAPE WITH CONVEX RADIUS, Z=2 PROFILED KNIVES ON SHANK Ø 20X50



art. 3.48 pag. 83

PUNTA PORTACOLTELLI SAGOMATA A DUE ELEMENTI PER SQUADRATURA E CONTORNATURA DI PANNELLI A SPESSORE REGOLABILE PER ESEGUIRE RAGGIATURA O SMUSSO SU MANDRINO CON ATTACCO Ø 20X50 A Z=2

ADJUSTABLE INSERT SHANK CUTTER WITH PROFILED KNIVES Z=2, FOR FACING AND PROFILING RADIUS OR CHAMFERS, ASSEMBLED IN TWO PIECES ON SPINDLE WITH SHANK Ø 20X50



art. 3.44 pag. 68

PUNTA PORTACOLTELLI SAGOMATA PER MEZZI TONDI A RAGGIO CONCAVO CON ATTACCO Ø 20x50 A Z=2

PROFILED INSERT SHANK CUTTER FOR HALF ROUND SHAPE WITH CONCAVE RADIUS, Z=2 PROFILED KNIVES, SHANK Ø 20X50



art. 3.51 pag. 86

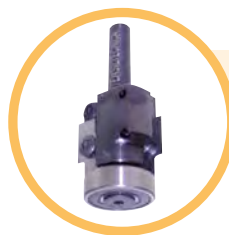
PUNTA PORTACOLTELLI PER SMUSSO 45° CON ATTACCO Ø 20x50 A Z=2
45° CHAMFERING INSERT SHANK CUTTER ON SHANK Ø 20X50 Z=2

INDICE / SUMMARY



art. 3.51A pag. 87

PUNTA PER SMUSSI CON GRADI A RICHIESTA
CHAMFERING INSERT SHANK CUTTER,
DEGREES ON REQUEST



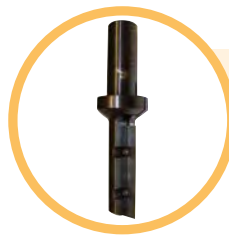
art. 3.56 pag. 96

PUNTA PORTACOLTELLI SAGOMATA A RAGGIARE O SMUSSARE CON CUSCINETTO ATTACCO Ø12x40 Z=2
CHAMFERING AND PROFILING INSERT SHANK CUTTER WITH BEARING ON SHANK Ø 12X40 Z=2



art. 3.52 pag. 88

PUNTA PER SMUSSI INCLINABILE DA 0° A 45° CON ATTACCO CILINDRICO Ø 20x50 A Z=2
CHAMFERING INSERT SHANK CUTTER, ADJUSTABLE FROM 0° TO 45°, ON SHANK Ø 20X50 Z=2



art. 3.61 pag. 98

PUNTA PORTACOLTELLI PER FORARE E CONTORNARE CON ATTACCO Ø 20x50 Z=1
BORING AND ROUTING INSERT SHANK CUTTER Z=1 ON SHANK Ø 20X50



art. 3.53 pag. 89

PUNTA PORTACOLTELLI PER INCISIONI O SMUSSI A 30°- 45° CON ATTACCO Ø 20x50 Z=1
INSERT SHANK CUTTER FOR ENGRAVING OR CHAMFERING 30°- 45° ON SHANK Ø 20X50 Z=1



art. 3.61A pag. 99

PUNTA PORTACOLTELLI PER FORARE E CONTORNARE CON ATTACCO Ø 20x50 Z=2+1
BORING AND ROUTING INSERT SHANK CUTTER Z=2+1 ON SHANK Ø 20X50



art. 3.54 pag. 91

PUNTA PORTACOLTELLI SAGOMATA PER INCISIONI O SMUSSI A 45° CON ATTACCO Ø 20x50 TIPO BITAGLIANTE
PROFIED INSERT SHANK CUTTER FOR ENGRAVING OR CHAMFERING 45°, Z=1 KNIFE WITH DOUBLE CUT ON SHANK Ø 20X50



art. 3.61S pag. 100

PUNTA PORTACOLTELLI PER FORARE O CONTORNARE A RICHIESTA CON ATTACCO Ø 20x50
BORING AND ROUTING INSERT SHANK CUTTER ON REQUEST, SHANK Ø 20X50



art. 3.54S pag. 94

PUNTA PORTACOLTELLO SAGOMATA PER INCISIONI O SMUSSI CON GRADI A RICHIESTA ATTACCO Ø 20x50 TIPO BITAGLIANTE
PROFIED INSERT SHANK CUTTER FOR ENGRAVING OR CHAMFERING, DEGREES ON REQUEST, Z=1 KNIFE WITH DOUBLE CUT, ON SHANK Ø 20X50



art. 3.62 pag. 101

PUNTA PORTACOLTELLI MULTITAGLIANTE A SGROSSARE ATTACCO Ø 20x50 N° 4 DIVISIONI COLTELLINI 12X12X1,5
ROUGHING MULTICUTTING INSERT SHANK CUTTER, N° 4 DIVISIONS WITH KNIVES 12X12X1,5 ON SHANK Ø 20X50

INDICE / SUMMARY



art. 3.63 pag. 102

PUNTA PORTACOLTELLI MULTITAGLIANTE A SGROSSARE E FINIRE PER GRANDI ASPORTAZIONI CON ATTACCO Ø20X50
SPIRAL MULTICUTTING INSERT SHANK CUTTER FOR ROUGHING AND FINISHING, SHANK Ø 20X50



art. 3.71 pag. 108

PUNTA PORTACOLTELLI PER CANALI SUL FIANCO DEL PANNELLO CON ATTACCO Ø 20x50 A Z=2+4 RASANTI
GROOVING INSERT SHANK CUTTER Z=2+V4, WORKING ON THE EDGE OF THE PANEL, SHANK Ø 20X50



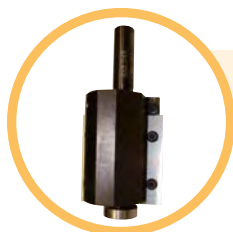
art. 3.64 pag. 103

PUNTA PORTACOLTELLI A SQUADRARE E BATTENTARE CON RAGGIO SOTTO AD ATTACCO Ø 20x50
REBATING AND FACING INSERT SHANK CUTTER, WITH RADIUS ON THE LOWER PART, SHANK Ø 20X50



art. 3.81 pag. 109

PUNTA PORTACOLTELLI PER FORO CERNIERA CON ATTACCO Ø 10 A Z=2+2 RASANTI
HINGE BORING BIT WITH INSERT KNIVES Z=2+V2 ON SHANK Ø 10



art. 3.65 pag. 105

PUNTA PORTACOLTELLI PER CONTORNARE CON CUSCINETTO ATTACCO Ø12x40 Z=2
INSERT SHANK CUTTER FOR ROUTING WITH BEARING ON SHANK Ø 12 X 40 Z=2



art. 3.101 pag. 110

PUNTA PORTACOLTELLI SAGOMATA MULTIPROFILI TIPO BITAGLIANTE PER PROFILI INTERNI CON ATTACCO Ø 20x50
MULTIPROFILED INSERT SHANK CUTTER FOR WORKING OF INSIDE PROFILES, Z=1 PROFILED KNIFE WITH DOUBLE CUT, ON SHANK Ø 20 X 50



art. 3.67 pag. 106

PUNTA PORTACOLTELLI A SPIANARE CON ATTACCO Ø 20x50 A Z=3
SURFACING INSERT SHANK CUTTER Z=3, SHANK Ø 20X50



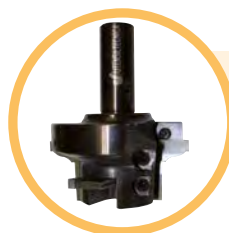
art. 3.111 pag. 116

PUNTA PORTACOLTELLI SAGOMATA MULTIPROFILI PER LAVORAZIONI INTERNE
CON ATTACCO Ø20x50 A Z=2
MULTIPROFILED INSERT SHANK CUTTER FOR WORKING OF INSIDE PROFILES, Z=2 PROFILED KNIVES, ON SHANK Ø 20X50



art. 3.67A pag. 107

PUNTA PORTACOLTELLI A SPIANARE CON ATTACCO Ø 20x50 A Z=2+2 RASANTI PER MIGLIORE FINITURA SULLA PARTE SOTTO DEL PANNELLO
SURFACING INSERT SHANK CUTTER Z=2+V2, FOR BETTER FINISHING ON THE LOWER PART OF THE PANEL, SHANK Ø 20X50



art. 3.201 pag. 120

PUNTA PORTACOLTELLI SAGOMATA MONTATA SU MANDRINO PER SAGOMA E CONTROSAGOMA DI ANTINE
PROFILED INSERT SHANK CUTTER FOR PROFILE AND COUNTERPROFILE OF CABINET DOORS MOUNTED ON SPINDLE

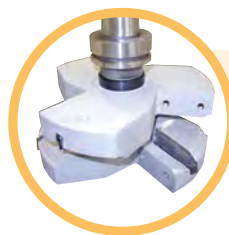
INDICE / SUMMARY



art. 3.501 pag. 122

PUNTA PORTACOLTELLI MONTATA SU MANDRINO PER SQUADRATURA PORTE A Z=2

INSERT SHANK CUTTER FOR DOORS SQUARING Z=2, MOUNTED ON SPINDLE



art. 3.527 pag. 136

PUNTA PORTACOLTELLI SAGOMATA MONTATA SU MANDRINO PER BUGNA PORTE CON DOPPIA LAVORAZIONE Z=3

PROFIED INSERT SHANK CUTTER FOR PANEL RAISING OF DOORS WITH DOUBLE PROFILE, MOUNTED ON SPINDLE, Z=3 PROFIED KNIVES



art. 3.505 pag. 125

PUNTA PORTACOLTELLI SAGOMATA MONTATA SU MANDRINO PER BATTUTA PORTE A Z=2

PROFIED INSERT SHANK CUTTER FOR DOORS REBATING, MOUNTED ON SPINDEL, Z=2



art. 3.541 pag. 138

PUNTA PORTACOLTELLI PER CAVA SERRATURA PORTE CON ATTACCO Ø16X50 A Z=2

INSERT SHANK CUTTER FOR DOORS LOCKS, SHANK Ø 16X50 Z=2



art. 3.511 pag. 127

PUNTA PORTACOLTELLI MONTATA SU MANDRINO PER BATTUTA PORTE A Z=2 + RASANTI, SPIGOLATORI, SPIGOLATORI REGOLABILI E COLTELLI SCAVO GUARNIZIONE

INSERT SHANK CUTTER FOR DOORS REBATING, MOUNTED ON SPINDLE, Z=2 + SHAVINGS, SCRIBING KNIVES, ADJUSTABLE CHAMFERINGS AND KNIFE FOR PACKING HOUSE



art. 3.545 pag. 140

PUNTA PORTACOLTELLI PER SCAVO SEDE PIASTRINO PORTE CON ATTACCO ELU A Z=2

INSERT SHANK CUTTER FOR DOORS LOCKS, ON ELU SHANK Z=2



art. 3.521 pag. 129

PUNTA PORTACOLTELLI MONTATA SU MANDRINO PER SAGOMA E CONTROSAGOMA DI PORTE

PROFIED INSERT SHANK CUTTER FOR PROFILE AND COUNTERPROFILE OF DOORS, MOUNTED ON SPINDLE



art. 3.526 pag. 134

PUNTA PORTACOLTELLI SAGOMATA MONTATA SU MANDRINO PER BUGNA PORTE

PROFIED INSERT SHANK CUTTER FOR DOORS PANEL RAISING, MOUNTED ON SPINDLE

art. 3.01



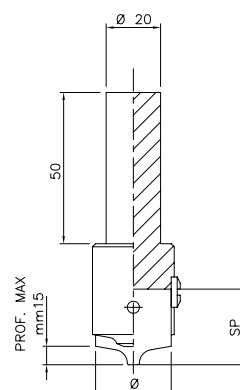
PUNTA PORTACOLTELLO SAGOMATA TIPO BITAGLIANTE A PROFILO SEMPLICE CON ATTACCO Ø 20x50



PROFILED INSERT SHANK CUTTER FOR SIMPLE SHAPE ON SHANK Ø 20X50, Z=1 KNIFE WITH DOUBLE CUT



ARTICOLO ITEM	Ø	SPESSORE THICKNESS
3.01/20x20	20	20
3.01/20x25	20	25
3.01/20x30	20	30
3.01/25x20	25	20
3.01/25x25	25	25
3.01/25x30	25	30
3.01/30x20	30	20
3.01/30x25	30	25
3.01/30x30	30	30
3.01/35x20	35	20
3.01/35x25	35	25
3.01/35x30	35	30
3.01/40x20	40	20
3.01/40x25	40	25
3.01/40x30	40	30
3.01/40x42	40	42
3.01/42x25	42	25
3.01/42x28	42	28
3.01/50x20	50	20
3.01/50x25	50	25
3.01/50x30	50	30



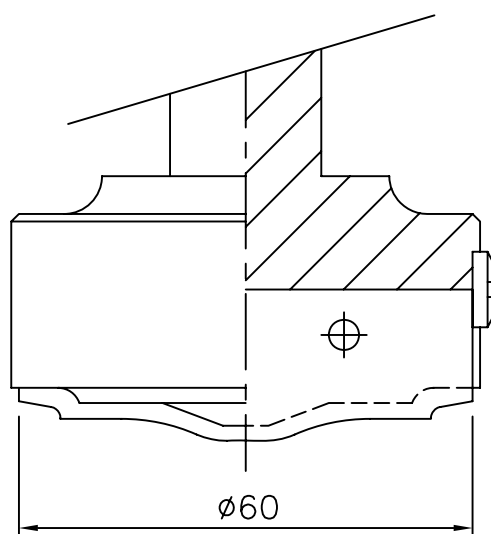
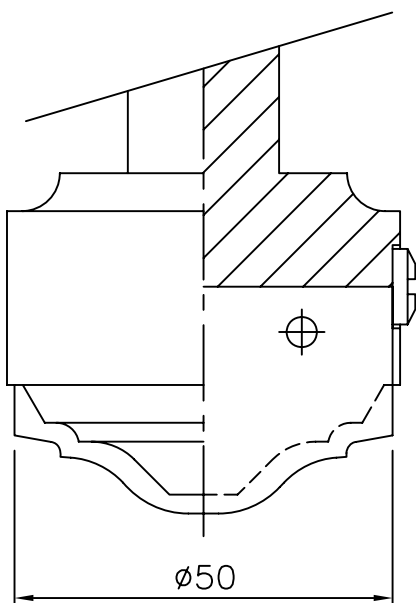
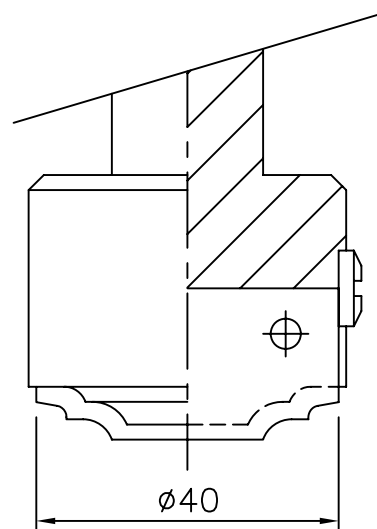
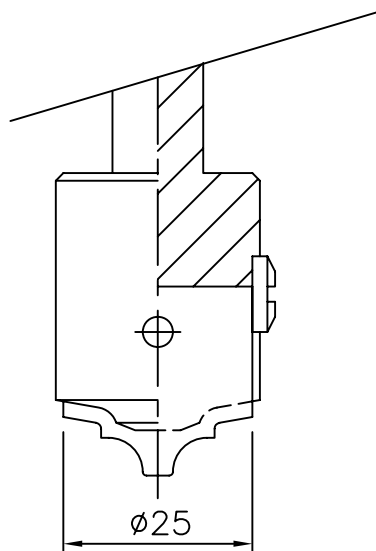
art. 3.01

Punte porta coltelli
Insert knives cutter heads

ARTICOLO ITEM	Ø	SPESSORE THICKNESS
3.01/60x25	60	25
3.01/60x30	60	30
3.01/80x25	80	25
3.01/80x30	80	30
3.01/100x30	100	30

art. 3.01

ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE



art. 3.02



PUNTA PORTACOLTELLO SAGOMATA TIPO BITAGLIANTE A PROFILO SEMPLICE CON ATTACCO CM2 FILETTO Ø 30

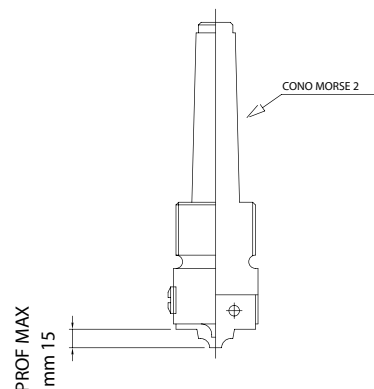


PROFILED INSERT SHANK CUTTER FOR SIMPLE SHAPE ON SHANK MK2 THREAD Ø 30, Z=1 KNIFE WITH DOUBLE CUT



Punte porta coltelli
Insert knives cutter heads

ARTICOLO ITEM	Ø	SPESSORE THICKNESS
3.02/20x20	20	20
3.02/20x25	20	25
3.02/20x30	20	30
3.02/25x20	25	20
3.02/25x25	25	25
3.02/25x30	25	30
3.02/30x20	30	20
3.02/30x25	30	25
3.02/30x30	30	30
3.02/35x20	35	20
3.02/35x25	35	25
3.02/35x30	35	30
3.02/40x20	40	20
3.02/40x25	40	25
3.02/40x30	40	30
3.02/40x42	40	42
3.02/42x25	42	25
3.02/42x28	42	28
3.02/50x20	50	20
3.02/50x25	50	25
3.02/50x30	50	30
3.02/60x25	60	25
3.02/60x30	60	30
3.02/80x25	80	25
3.02/80x30	80	30
3.02/100x30	100	30



art. 3.03



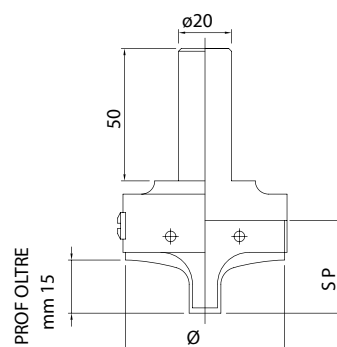
PUNTA PORTACOLTELLO SAGOMATA TIPO BITAGLIANTE A PROFILO COMPLESSO CON ATTACCO Ø 20x50



PROFIED INSERT SHANK CUTTER FOR COMPLEX SHAPE ON SHANK Ø 20 X 50, Z=1 KNIFE WITH DOUBLE CUT



ARTICOLO ITEM	Ø	SPESSORE THICKNESS
3.03/20x30	20	30
3.03/25x30	25	30
3.03/30x30	30	30
3.03/30x35	30	35
3.03/30x40	30	40
3.03/35x30	35	30
3.03/35x35	35	35
3.03/35x40	35	40
3.03/40x30	40	30
3.03/40x35	40	35
3.03/40x40	40	40
3.03/40x42	40	42
3.03/42x32	42	32
3.03/42x40	42	40
3.03/50x30	50	30
3.03/50x35	50	35
3.03/50x40	50	40
3.03/60x30	60	30
3.03/60x35	60	35
3.03/60x40	60	40
3.03/80x30	80	30
3.03/80x35	80	35
3.03/80x40	80	40



art. 3.04



PUNTA PORTACOLTELLO SAGOMATA TIPO BITAGLIANTE A PROFILO COMPLESSO CON ATTACCO CM2 FILETTO Ø 30

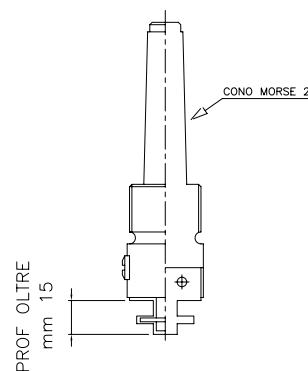


PROFILED INSERT SHANK CUTTER FOR COMPLEX SHAPE ON SHANK MK2 THREAD Ø 30, Z=1 KNIFE WITH DOUBLE CUT



Punte porta coltelli
Insert knives cutter heads

ARTICOLO ITEM	Ø	SPESSORE THICKNESS
3.04/20x30	20	30
3.04/25x30	25	30
3.04/30x30	30	30
3.04/30x35	30	35
3.04/30x40	30	40
3.04/35x30	35	30
3.04/35x35	35	35
3.04/35x40	35	40
3.04/40x30	40	30
3.04/40x35	40	35
3.04/40x40	40	40
3.04/40x42	40	42
3.04/42x32	42	32
3.04/42x40	42	40
3.04/50x30	50	30
3.04/50x35	50	35
3.04/50x40	50	40
3.04/60x30	60	30
3.04/60x35	60	35
3.04/60x40	60	40
3.04/80x30	80	30
3.04/80x35	80	35
3.04/80x40	80	40



art. 3.07



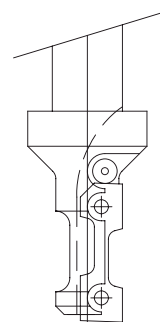
**PUNTA PORTACOLTELLO SAGOMATA CON COLTELLO
SP. 1,5 E ATTACCO Ø 20x50 A Z=1**



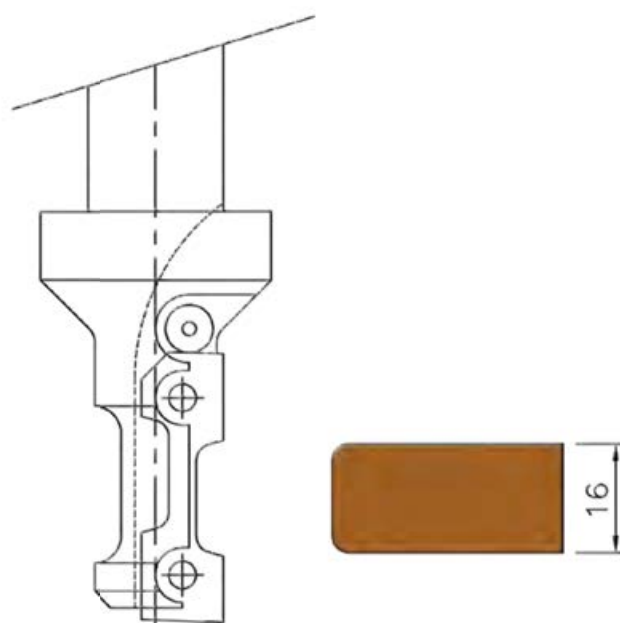
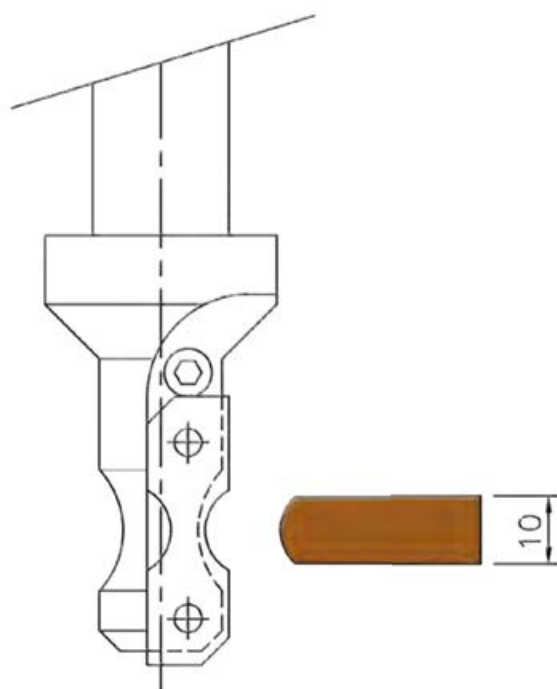
**PROFILED INSERT SHANK CUTTER Z=1 KNIFE WITH THICKNESS
1,5 ON SHANK Ø 20X50**



ARTICOLO ITEM	Ø	SPESSORE THICKNESS
3.07/20x40	20	40
3.07/20x50	20	50
3.07/22,5x40	22.5	40
3.07/24x40	24	40
3.07/24x50	24	50



ESEMPIO DI LAVORAZIONE WORKING EXAMPLE



art. 3.08



**PUNTA PORTACOLTELLO SAGOMATA CON COLTELLO
SP. 1,5 E ATTACCO Ø 20x50 A Z=2**

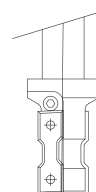


**PROFILED INSERT SHANK CUTTER Z=2 WITH KNIFE THICKNESS
1,5 ON SHANK Ø 20X50**

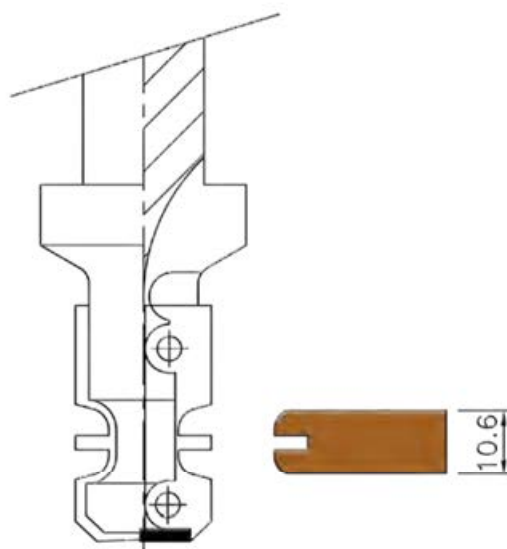
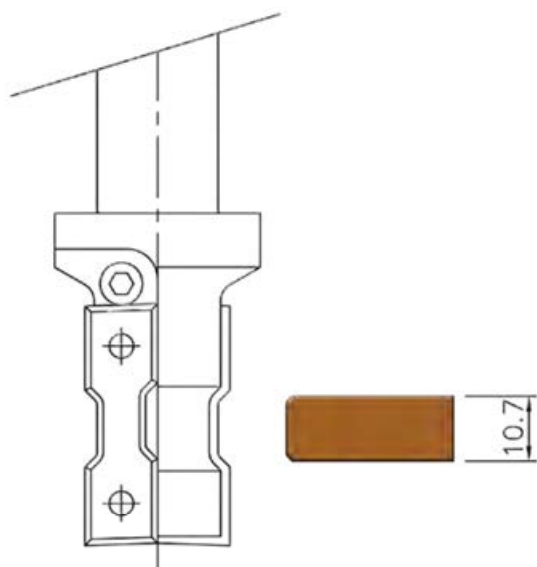


Punte porta coltelli
Insert knives cutter heads

ARTICOLO ITEM	Ø	SPESSORE THICKNESS
3.08/20x40	20	40
3.08/20x50	20	50
3.08/22,5x40	22.5	40
3.08/24x40	24	40
3.08/24x50	24	50



ESEMPIO DI LAVORAZIONE WORKING EXAMPLE



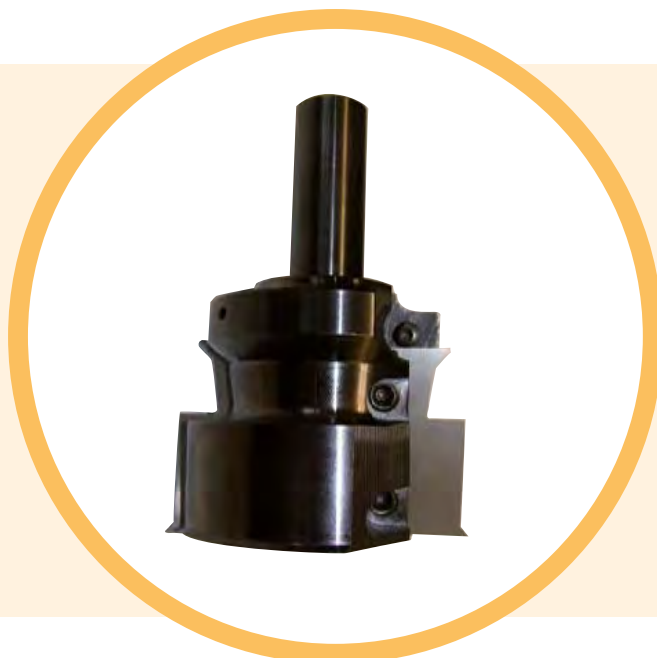
art. 3.11



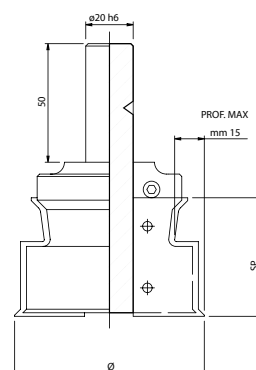
PUNTA PORTACOLTELLI PER PANTOGRAFO SAGOMATA A PROFILO SEMPLICE CON ATTACCO Ø 20x50 A Z=2



CNC ROUTING CUTTER FOR SIMPLE SHAPE ON SHANK Ø 20x50 WITH PROFILED KNIVES Z=2



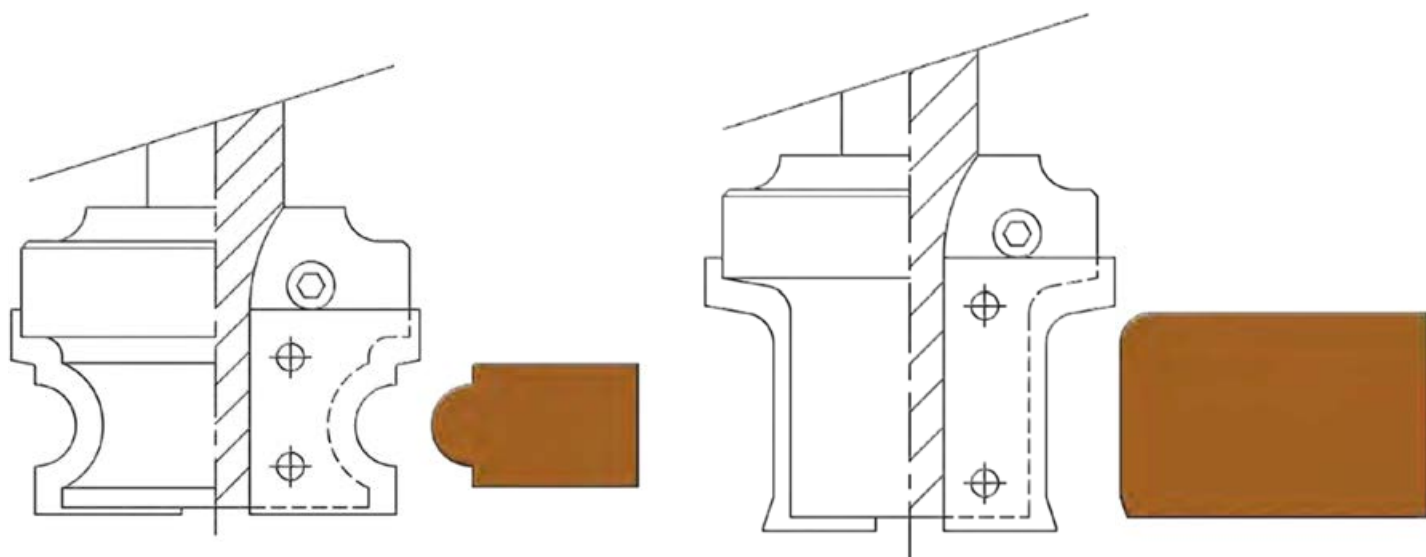
ARTICOLO ITEM	Ø	SPESSORE THICKNESS
3.11/30x15	30	15
3.11/40x20	40	20
3.11/50x25	50	25
3.11/60x30	60	30
3.11/80x30	80	30
3.11/80x35	80	35
3.11/80x40	80	40
3.11/80x42	80	42
3.11/80x50	80	50
3.11/80x60	80	60
3.11/100x30	100	30
3.11/100x35	100	35
3.11/100x40	100	40
3.11/100x42	100	42
3.11/100x50	100	50
3.11/100x60	100	60
3.11/120x30	120	30
3.11/120x35	120	35
3.11/120x40	120	40
3.11/120x42	120	42
3.11/120x50	120	50
3.11/120x60	120	60



art. 3.11

Punte porta coltelli
Insert knives cutter heads

ESEMPIO DI LAVORAZIONE WORKING EXAMPLE



art. 3.12



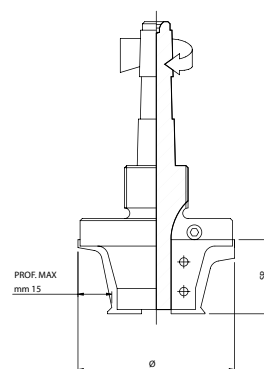
**PUNTA PORTACOLTELLI PER PANTOGRAFO SAGOMATA
A PROFILO SEMPLICE CON ATTACCO CM2 FILETTO Ø
30 A Z=2**



**PROFIED INSERT SHANK CUTTER FOR SIMPLE SHAPE FOR
ROUTING ON CNC MACHINE, Z=2 PROFIED KNIVES, SHANK
MK2 THREAD Ø 30**



ARTICOLO ITEM	Ø	SPESSORE THICKNESS
3.12/40x20	40	20
3.12/60x30	60	30
3.12/80x30	80	30
3.12/80x35	80	35
3.12/80x40	80	40
3.12/80x42	80	42
3.12/80x50	80	50
3.12/80x60	80	60
3.12/100x30	100	30
3.12/100x35	100	35
3.12/100x40	100	40
3.12/100x42	100	42
3.12/100x50	100	50
3.12/100x60	100	60
3.12/120x30	120	30
3.12/120x35	120	35
3.12/120x40	120	40
3.12/120x42	120	42
3.12/120x50	120	50
3.12/120x60	120	60



art. 3.13



**PUNTA PORTACOLTELLI PER PANTOGRAFO SAGOMATA
A PROFILO COMPLESSO CON ATTACCO Ø 20x50 A Z=2**

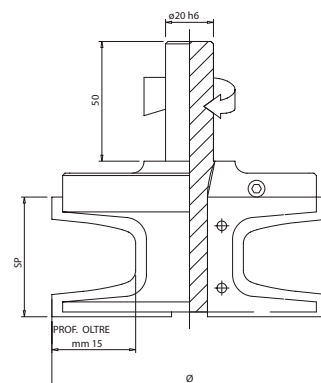


**PROFILED INSERT SHANK CUTTER FOR COMPLEX SHAPE, FOR
ROUTING ON CNC MACHINE, Z=2 PROFILED KNIVES, SHANK
Ø 20X50**



Punte porta coltelli
Insert knives cutter heads

ARTICOLO ITEM	Ø	SPESSORE THICKNESS
3.13/60x30	60	30
3.13/80x30	80	30
3.13/80x35	80	35
3.13/80x40	80	40
3.13/80x42	80	42
3.13/80x50	80	50
3.13/80x60	80	60
3.13/100x30	100	30
3.13/100x35	100	35
3.13/100x40	100	40
3.13/100x42	100	42
3.13/100x50	100	50
3.13/100x60	100	60
3.13/120x30	120	30
3.13/120x35	120	35
3.13/120x40	120	40
3.13/120x42	120	42
3.13/120x50	120	50
3.13/120x60	120	60
3.13/120x80	120	80



art. 3.14



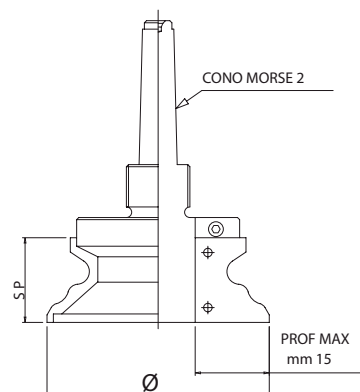
PUNTA PORTACOLTELLI PER PANTOGRAFO SAGOMATA A PROFILO COMPLESSO CON ATTACCO CM2 FILETTO Ø 30 A Z=2



PROFILED INSERT SHANK CUTTER FOR COMPLEX SHAPE, FOR ROUTING ON CNC MACHINE, Z=2 PROFILED KNIVES, ON SHANK MK2 THREAD Ø 30



ARTICOLO ITEM	Ø	SPESSORE THICKNESS
3.14/60x30	60	30
3.14/80x30	80	30
3.14/80x35	80	35
3.14/80x40	80	40
3.14/80x42	80	42
3.14/80x50	80	50
3.14/80x60	80	60
3.14/100x30	100	30
3.14/100x35	100	35
3.14/100x40	100	40
3.14/100x42	100	42
3.14/100x50	100	50
3.14/100x60	100	60
3.14/120x30	120	30
3.14/120x35	120	35
3.14/120x40	120	40
3.14/120x42	120	42
3.14/120x50	120	50
3.14/120x60	120	60
3.14/120x80	120	80



art. 3.15

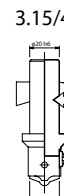
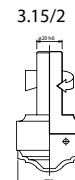


ARTICOLO ITEM	DESCRIZIONE DESCRIPTION
3.15/1	Punta portacoltelli sagomata Ø 62x30 Z=2
	RICAMBI:
4.05/1A	Coltello hm sagomato mm.30x25x2 s.s.
4.05/2A	
4.05/3A	
4.05/4A	
4.05/5A	

3.15/2	Punta portacoltelli sagomata bitagliante Ø 50x30
	RICAMBI:
4.05/1B	Coltello hm sagomato mm.50x30x2 s.d.
4.05/2B	
4.05/3B	
4.05/4B	

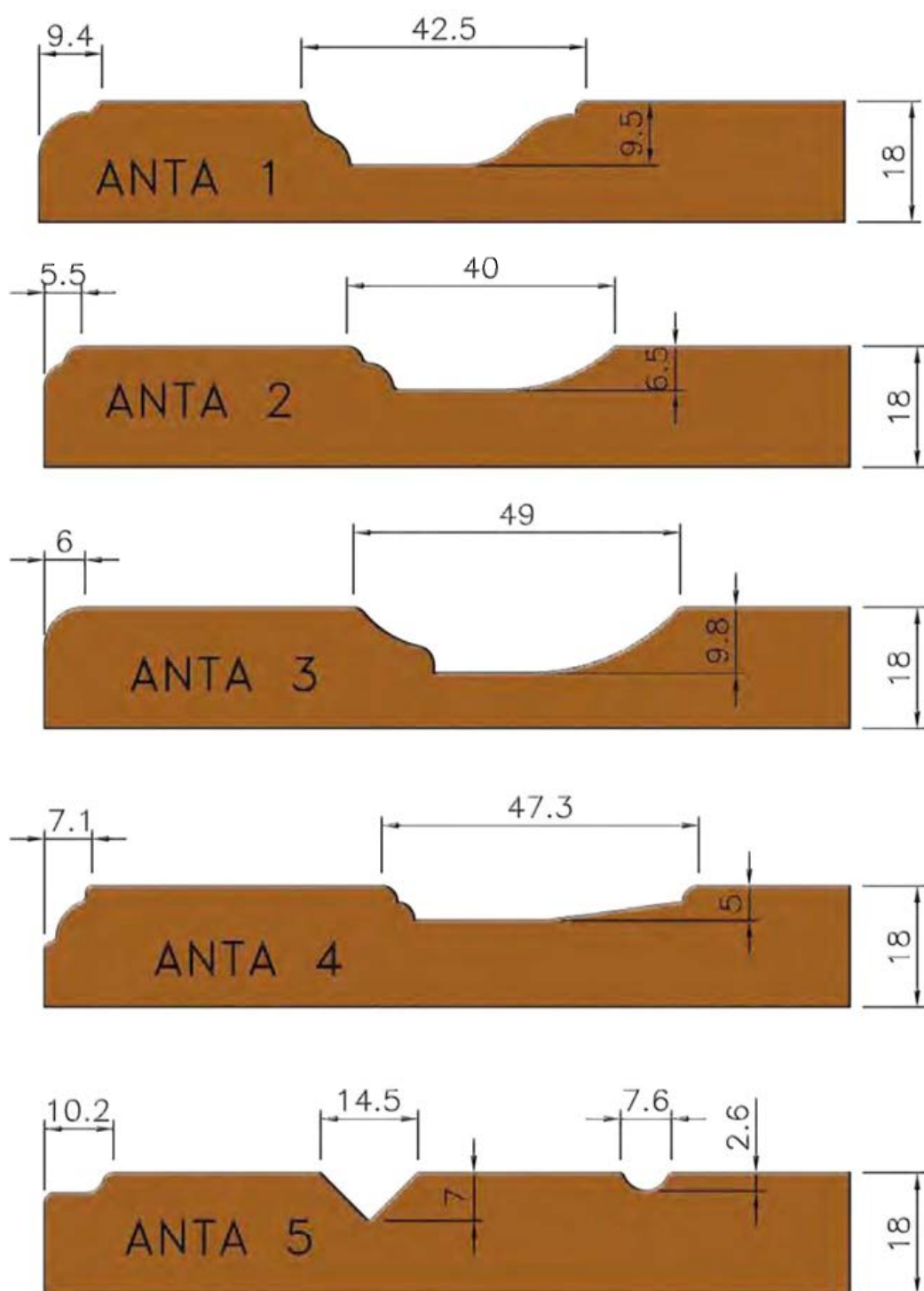
3.15/3	Punta portacoltelli sagomata bitagliante Ø 35x25
	RICAMBI:
4.05/1C	Coltello hm sagomato mm.35x25x2 s.d.
4.05/2C	
4.05/3C	
4.05/4C	
4.05/5B	

3.15/4	Punta portacoltelli sagomata bitagliante Ø 20x20
	RICAMBI:
4.05/5C	Coltello hm sagomato mm.20x20x2 s.d.
4.05/4D	



art. 3.15

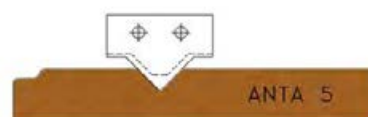
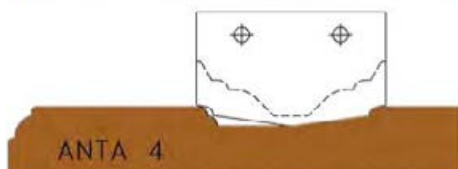
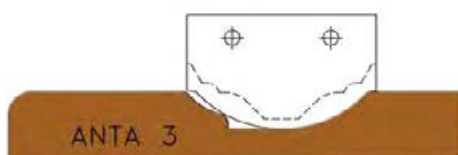
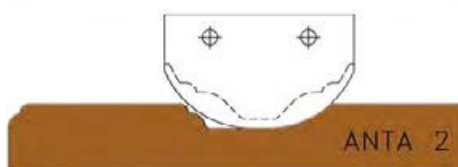
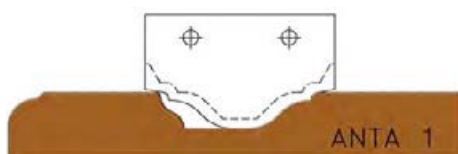
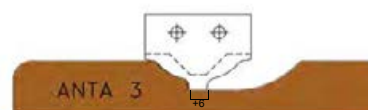
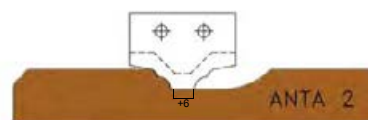
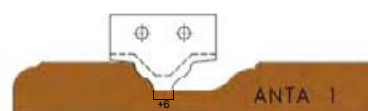
SEZIONE PROFILO SCALA 1:1
SECTION SCALE PROFILE 1: 1



art. 3.15

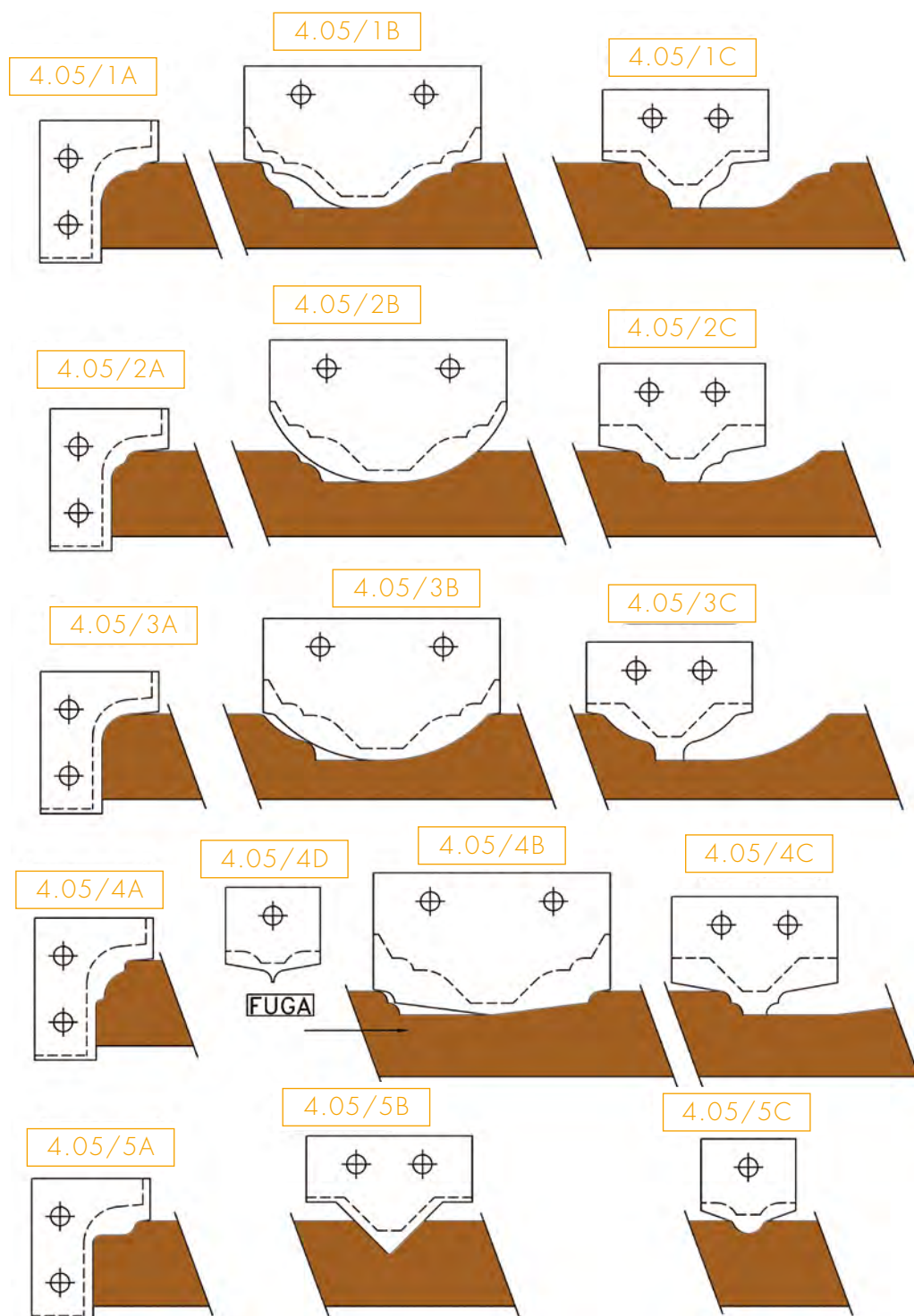
SCHEMA PATTERN

Punte porta coltelli
Insert knives cutter heads



art. 3.15

RICAMBI
SPARE PARTS



art. 3.15A



PUNTE PORTACOLTELLI SAGOMATE PER REALIZZARE PROFILO ANTINA AD ANGOLO R=1,5 CON ATTACCO Ø20X50



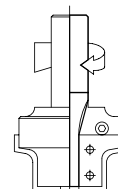
SET OF PROFILED INSERT SHANK CUTTERS FOR CABINET DOORS PROFILES WITH ANGLE R=1,5 ON SHANK Ø 20X50



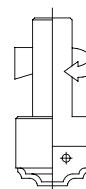
Punte porta coltelli
Insert knives cutter heads

ARTICOLO ITEM	DESCRIZIONE DESCRIPTION
3.15A/1	Punta portacoltelli sagomata Ø 62x30
	RICAMBI:
4.06/1	Coltello hm sagomato mm.30x25x2
3.15A/2	Punta portacoltelli sagomata Ø 35x23
	RICAMBI:
4.06/2	Coltello hm sagomato mm.35x23x2
3.15A/3	Punta portacoltelli sagomata Ø 50x20
	RICAMBI:
4.06/3	Coltello hm sagomato mm.50x20x2
3.15A/4	Punta portacoltelli sagomata Ø 20x25
	RICAMBI:
4.06/4	Coltello hm sagomato mm.20x25x2

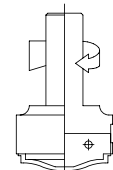
3.15 - A/1



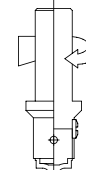
3.15 - A/2



3.15 - A/3

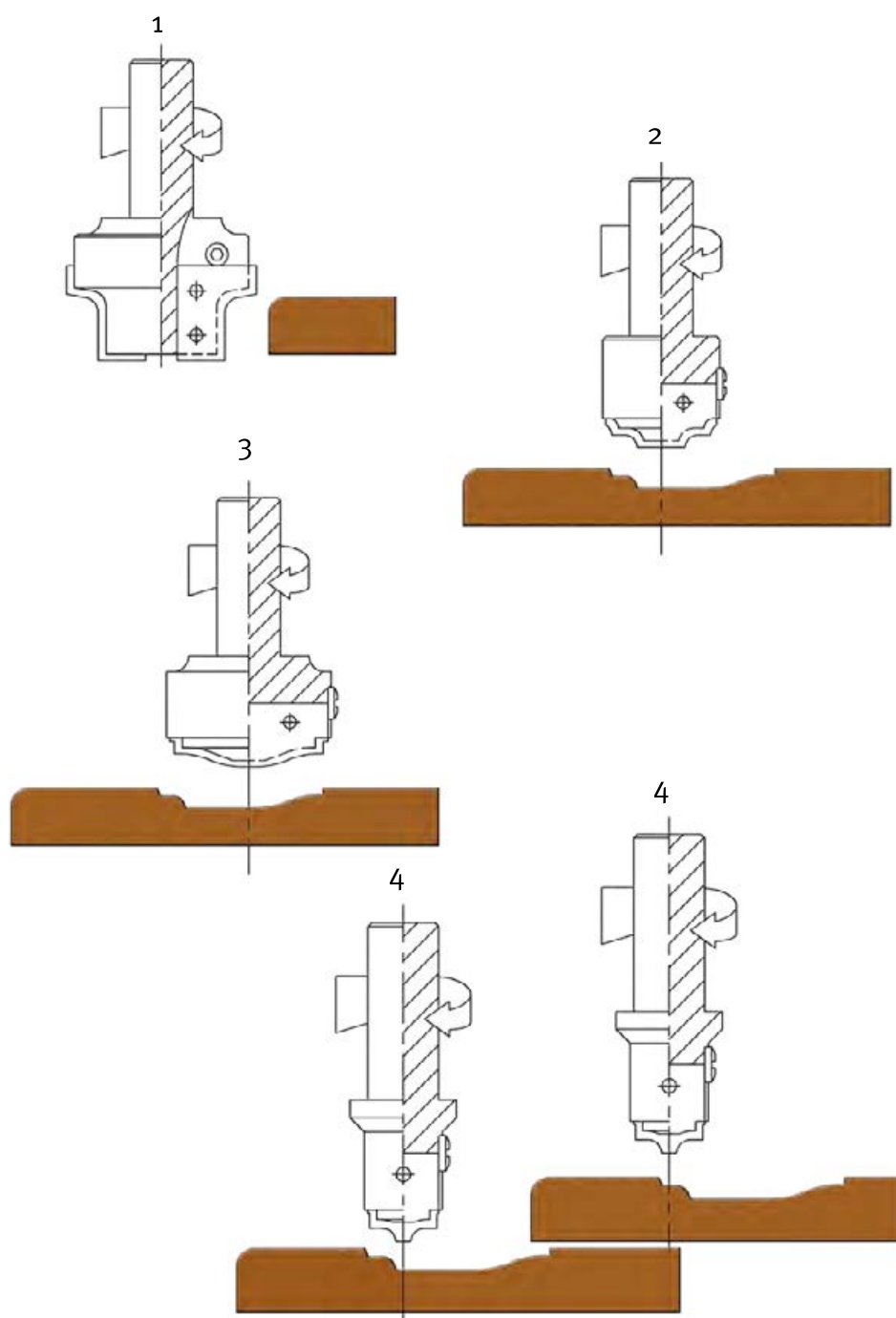


3.15 - A/4



art. 3.15A

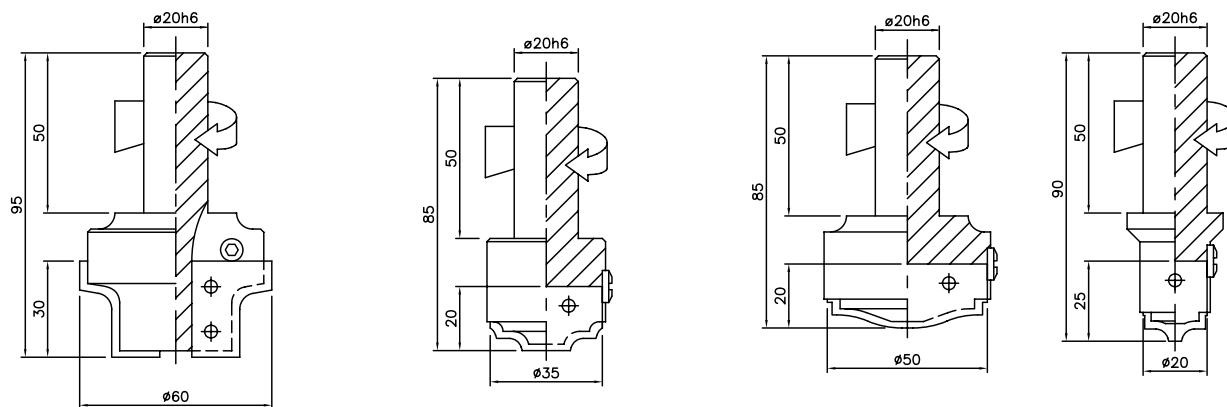
SCHEMA DI LAVORAZIONE
WORKING DIAGRAM



art. 3.15A

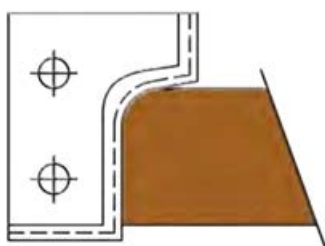
PROFILO OTTENUTO SCALA 1:1
PROFILE OBTAINED SCALE 1: 1

Punte porta coltelli
Insert knives cutter heads

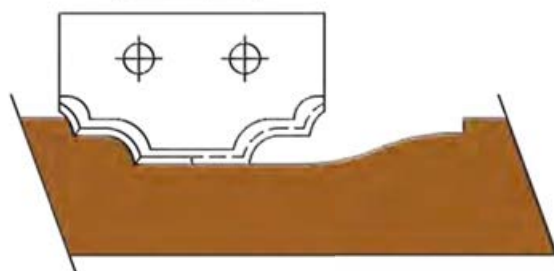


RICAMBI SCALA 1:1
SPARE PARTS SCALE 1:1

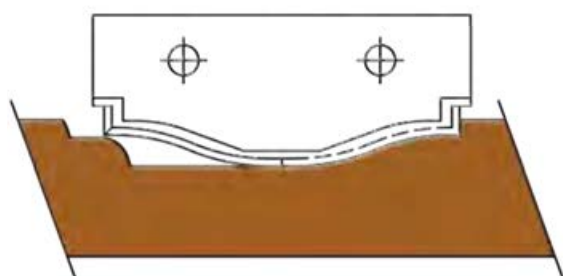
4.06/1



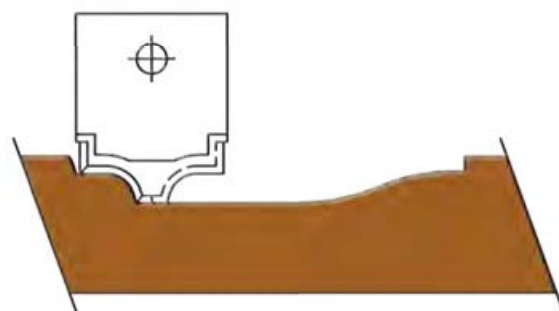
4.06/2



4.06/3

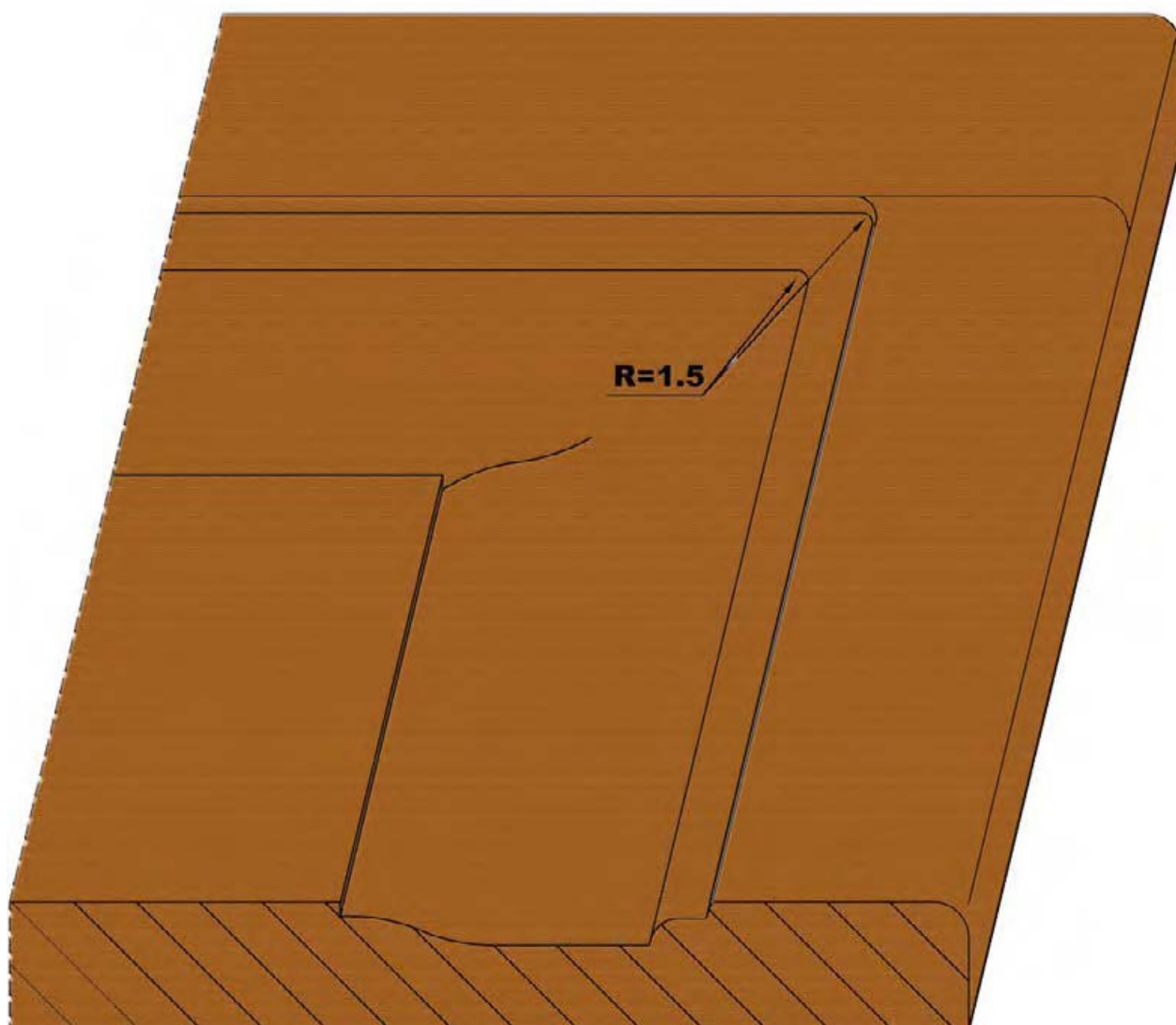
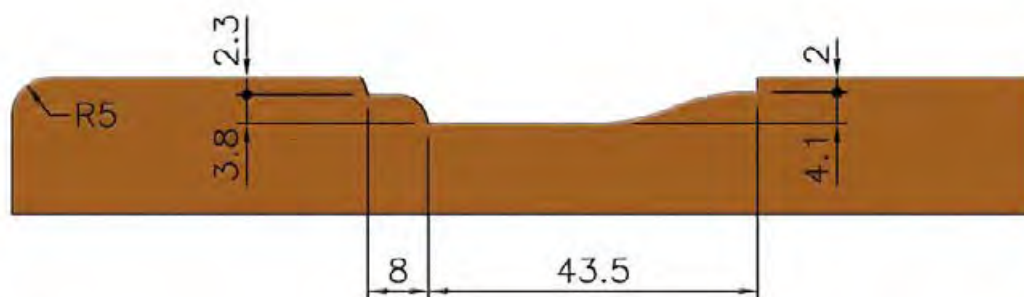


4.06/4



art. 3.15A

SEZIONE PROFILO SCALA 1:1
PROFILE SECTION SCALE 1: 1



art. 3.16



PUNTA PORTACOLTELLI SAGOMATA PER SQUADRATURA E CONTORNATURA A QUARTO DI TONDO CON ATTACCO Ø 20x50 A Z=2

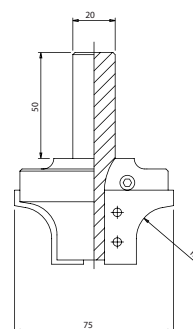


PROFILED INSERT SHANK CUTTER Z=2 ON SHANK Ø 20x50 FOR QUARTER ROUND SQUARING AND ROUTING



Punte porta coltelli
Insert knives cutter heads

ARTICOLO ITEM	DESCRIZIONE DESCRIPTION	
3.16/1	Punta portacoltelli sagomata Ø 60x30	
	RICAMBI:	
4.101/3x20	Coltello hm sagomato mm.30x25x2	R=3
4.101/5x20		R=5
4.101/6x20		R=6
4.101/7,5x20		R=7,5
3.16/2	Punta portacoltelli sagomata Ø 70x30	
	RICAMBI:	
4.101/10x20	Coltello hm sagomato mm.30x30x2	R=10
4.101/12,5x20		R=12,5
3.16/3	Punta portacoltelli sagomata Ø 80x30	
	RICAMBI:	
4.101/15x20	Coltello hm sagomato mm.30x35x2	R=15
4.101/17,5x20		R=17,5
3.16/4	Punta portacoltelli sagomata Ø 60x35	
	RICAMBI:	
4.101/3x25	Coltello hm sagomato mm.35x25x2	R=3
4.101/5x25		R=5
4.101/6x25		R=6
4.101/7,5x25		R=7,5



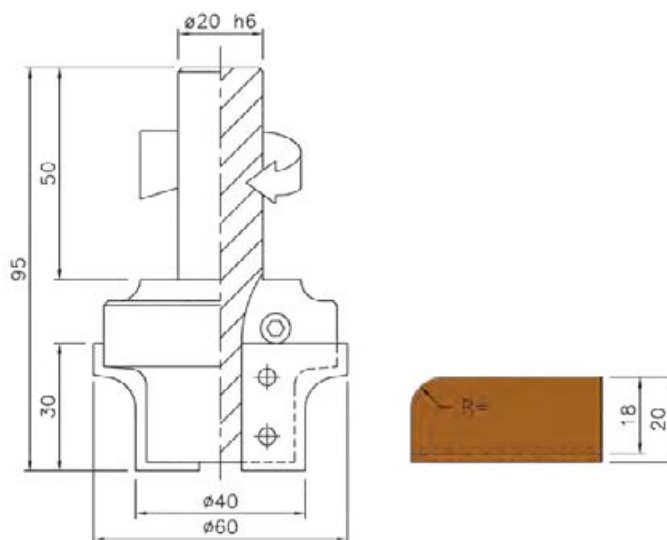
art. 3.16

ARTICOLO ITEM	DESCRIZIONE DESCRIPTION	
3.16/5	Punta portacoltelli sagomata Ø 70x35	
	RICAMBI:	
4.101/10x25	Coltello hm sagomato mm.35x30x2	R=10
4.101/12,5x25		R=12,5
3.16/6	Punta portacoltelli sagomata Ø 80x35	
	RICAMBI:	
4.101/15x25	Coltello hm sagomato mm.35x35x2	R=15
4.101/17,5x25		R=17,5
3.16/7	Punta portacoltelli sagomata Ø 70x40	
	RICAMBI:	
4.101/10x30	Coltello hm sagomato mm.40x30x2	R=10
4.101/12,5x30		R=12,5
3.16/8	Punta portacoltelli sagomata Ø 80x40	
	RICAMBI:	
4.101/15x30	Coltello hm sagomato mm.40x35x2	R=15
4.101/17,5x30		R=17,5

art. 3.16

PROFILO OTTENUTO
PROFILE OBTAINED

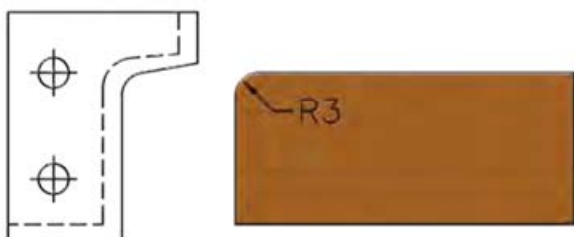
art. 3.16/1



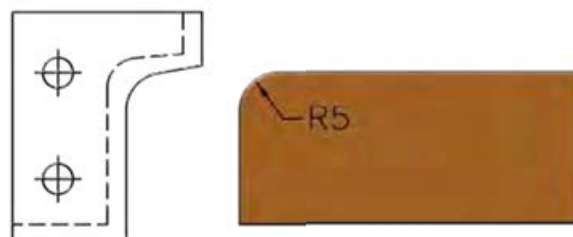
Punte porta coltelli
Insert knives cutter heads

RICAMBI / SPARE PARTS

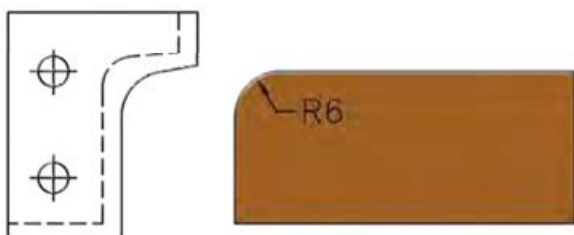
4.101/3X20



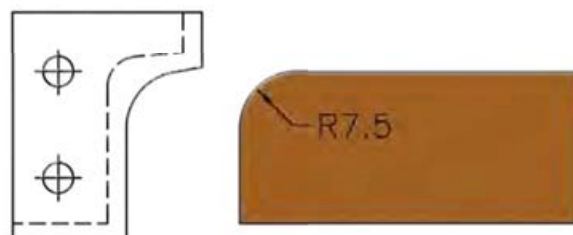
4.101/5X20



4.101/6X20



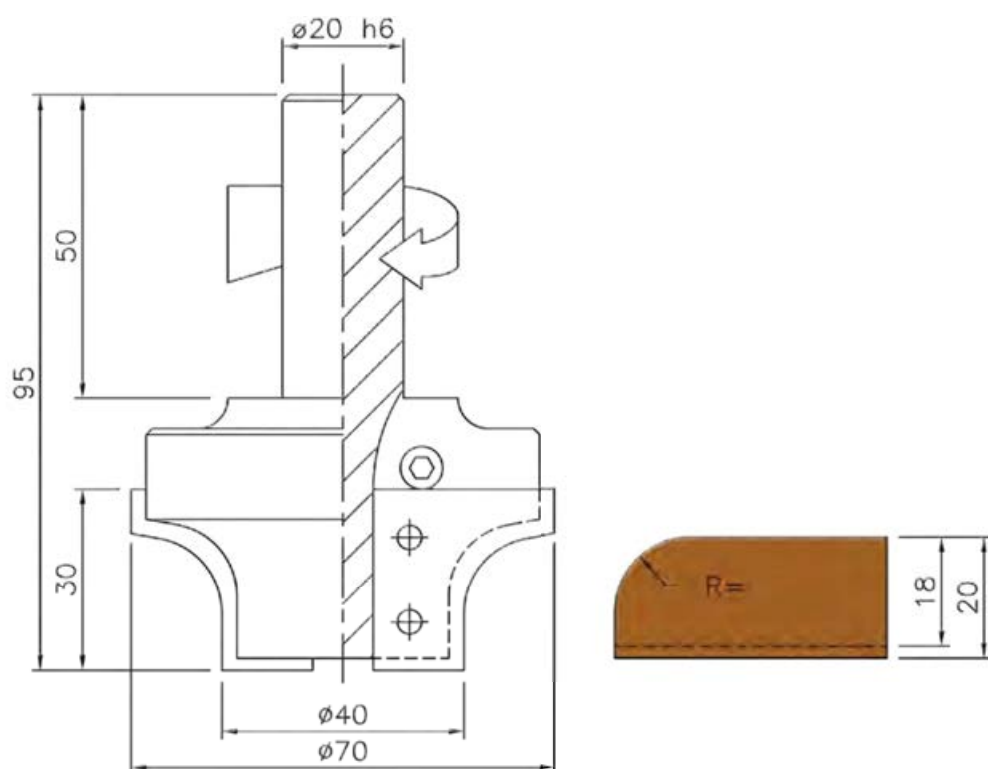
4.101/7.5X20



art. 3.16

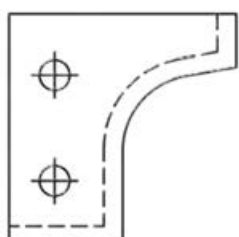
PROFILO OTTENUTO
PROFILE OBTAINED

art. 3.16/2

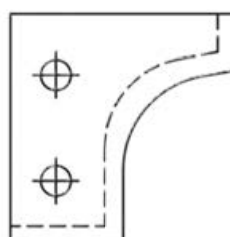


RICAMBI / SPARE PARTS

4.101/10X20



4.101/12.5X20

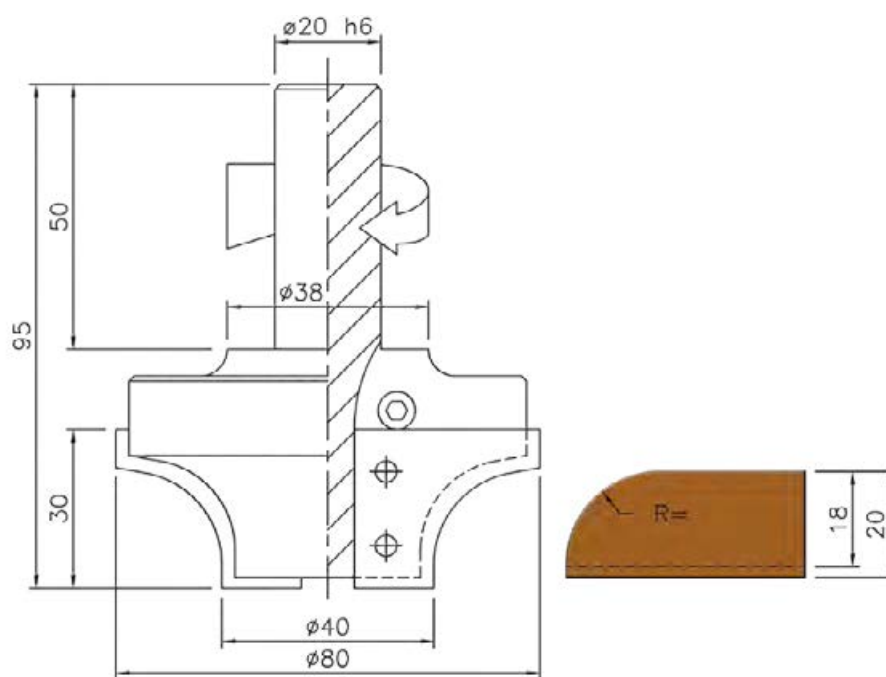


art. 3.16

PROFILO OTTENUTO
PROFILE OBTAINED

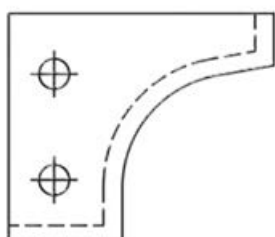
Punte porta coltelli
Insert knives cutter heads

art. 3.16/3

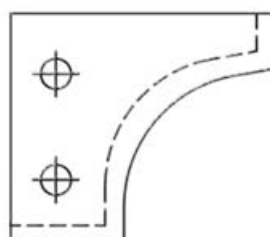


RICAMBI / SPARE PARTS

4.101/15X20



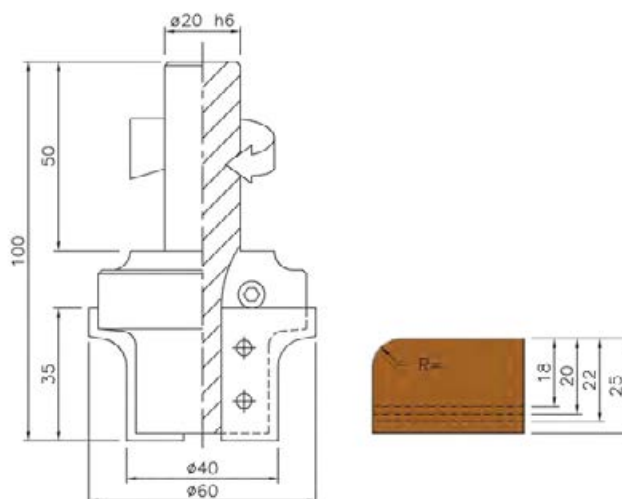
4.101/17.5X20



art. 3.16

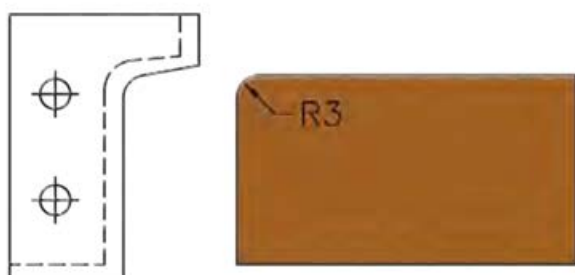
PROFILO OTTENUTO
PROFILE OBTAINED

art. 3.16/4

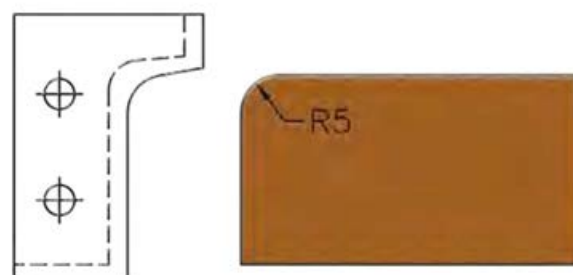


RICAMBI / SPARE PARTS

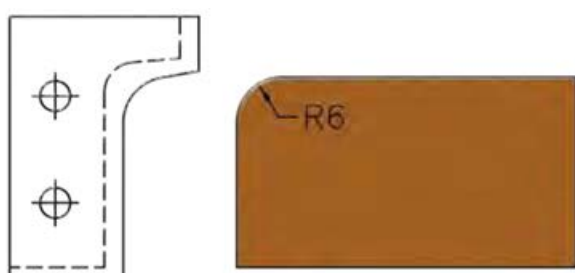
4.101/3X25



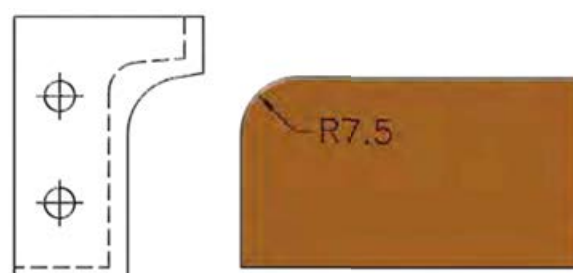
4.101/5X25



4.101/6X25



4.101/7.5X25

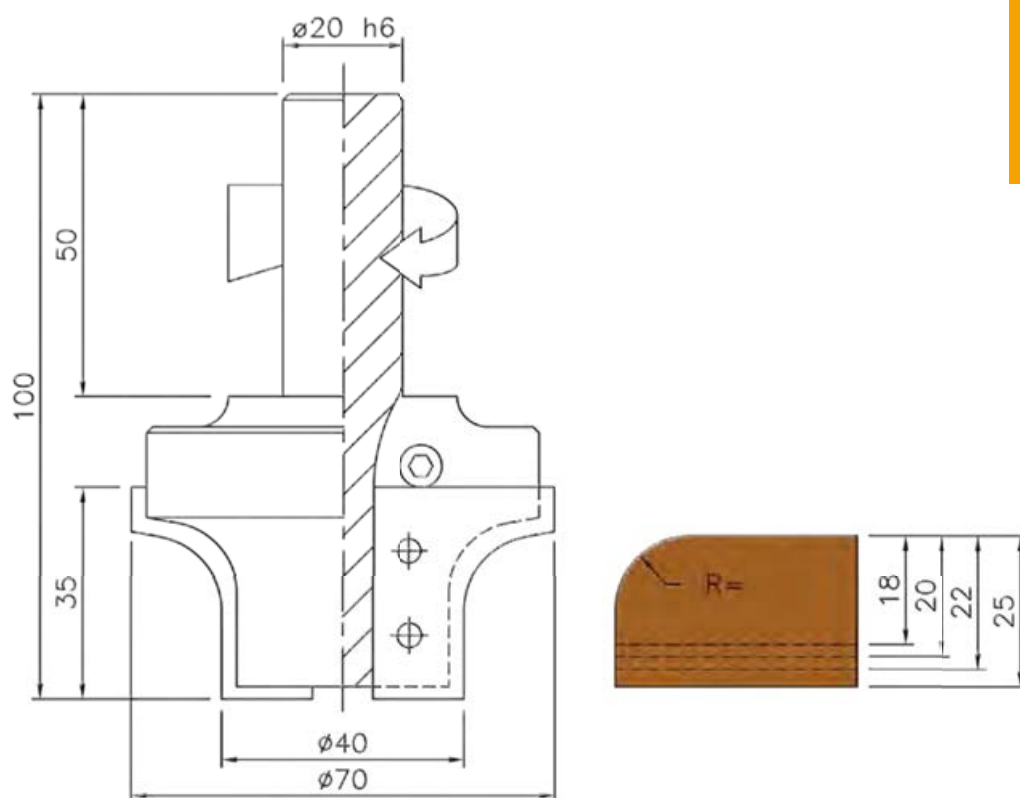


art. 3.16

PROFILO OTTENUTO
PROFILE OBTAINED

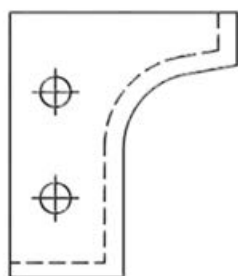
Punte porta coltelli
Insert knives cutter heads

art. 3.16/5

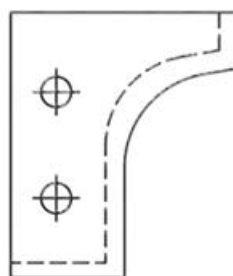


RICAMBI / SPARE PARTS

4.101/10X25



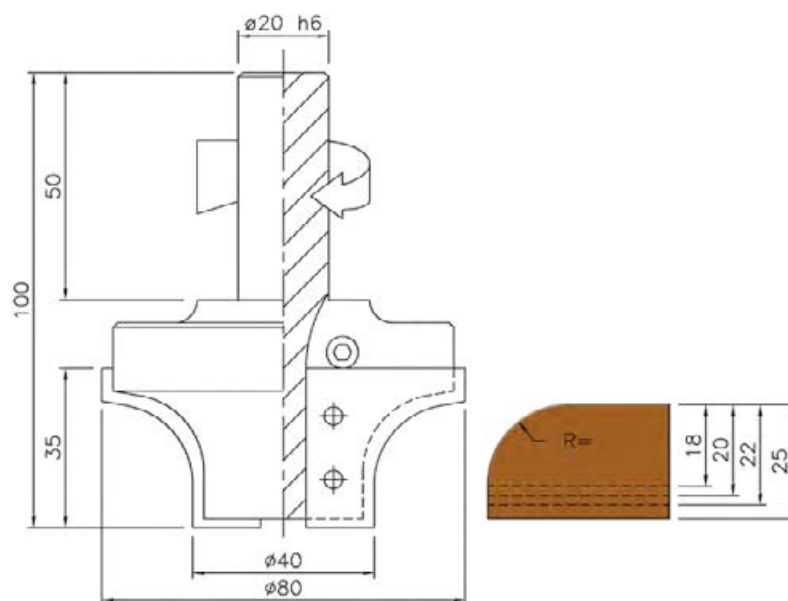
4.101/12.5X25



art. 3.16

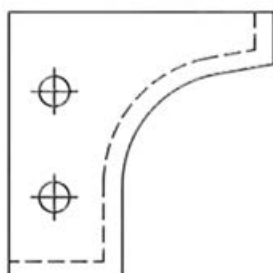
PROFILO OTTENUTO
PROFILE OBTAINED

art. 3.16/6

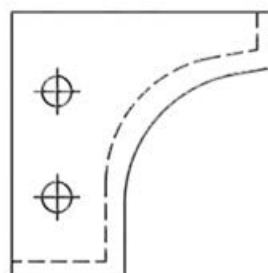


RICAMBI / SPARE PARTS

4.101/15X25



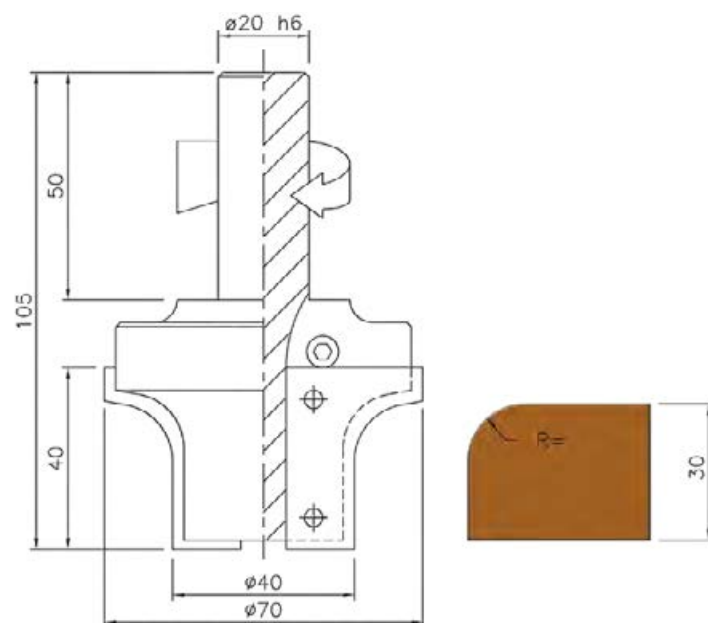
4.101/17.5X25



art. 3.16

PROFILO OTTENUTO
PROFILE OBTAINED

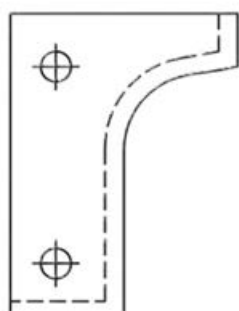
art. 3.16/7



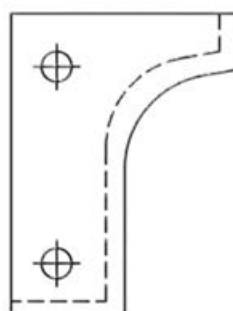
Punte porta coltelli
Insert knives cutter heads

RICAMBI / SPARE PARTS

4.101/10X30



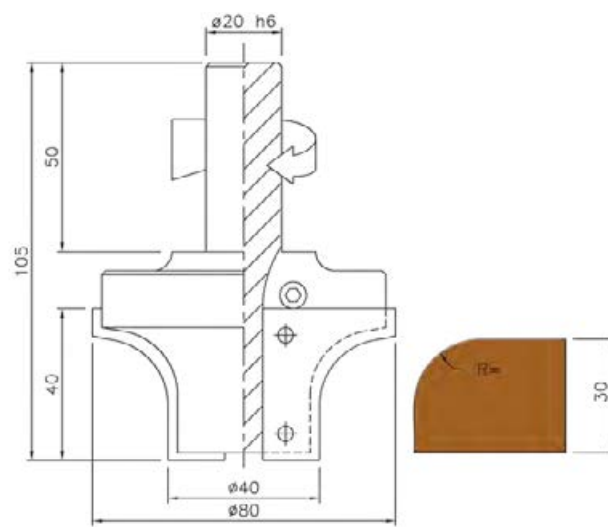
4.101/12.5X30



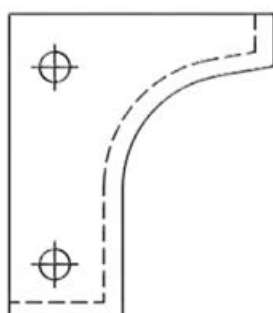
art. 3.16

PROFILO OTTENUTO
PROFILE OBTAINED

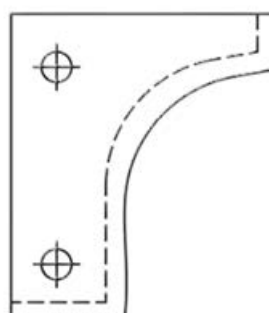
art. 3.16/8



4.101/15X30



4.101/17.5X30



art. 3.17



PUNTA PORTACOLTELLI MULTIPROFILO CON ATTACCO Ø 20x50 A Z=2

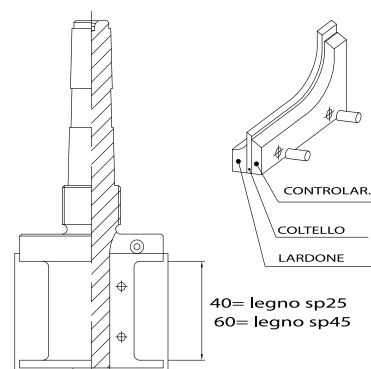


MULTIPROFILED INSERT SHANK CUTTER, Z=2 PROFILED KNIVES, SHANK Ø 20x50



Punte porta coltelli
Insert knives cutter heads

ARTICOLO ITEM	Ø	SPESSORE THICKNESS
3.17/80x40	80	40
3.17/80x60	80	60



art. 3.21



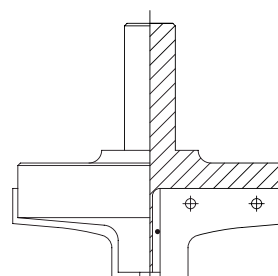
**PUNTA PORTACOLTELLI SAGOMATA PER PROFILO
SAPONETTA ATTACCO Ø 20x50 A Z=2**



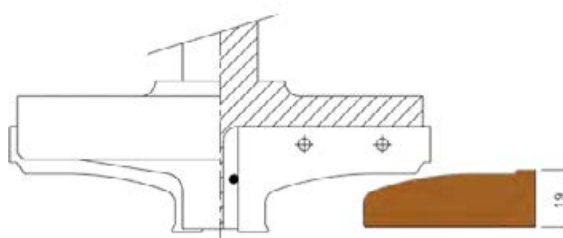
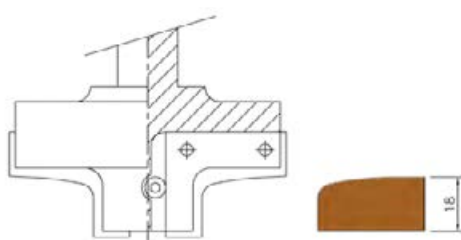
**PROFIED INSERT SHANK CUTTER Z=2 FOR SPECIAL SHAPE ON
SHANK Ø 20 X 50**



ARTICOLO ITEM	Ø	SPESSORE THICKNESS
3.21/89x40	89	40
3.21/92x40	92	40
3.21/108x50	108	50
3.21/140x64	140	64



ESEMPIO DI LAVORAZIONE WORKING EXAMPLE



art. 3.25



**PUNTA PORTACOLTELLI SAGOMATA PER ESEGUIRE
SCANALATURE INSERIMENTO ALLUMINIO E SEDE
MANIGLIA CON ATTACCO Ø 20x50 TIPO BITAGLIANTE**

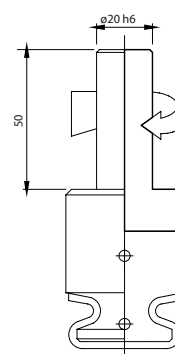


**INSERT SHANK CUTTER FOR T-SLOT GROOVING OF
ALUMINIUM AND HANDLE SLOT, Z=1 PROFILED KNIFE WITH
DOUBLE CUT, SHANK Ø 20x50**



Punte porta coltelli
Insert knives cutter heads

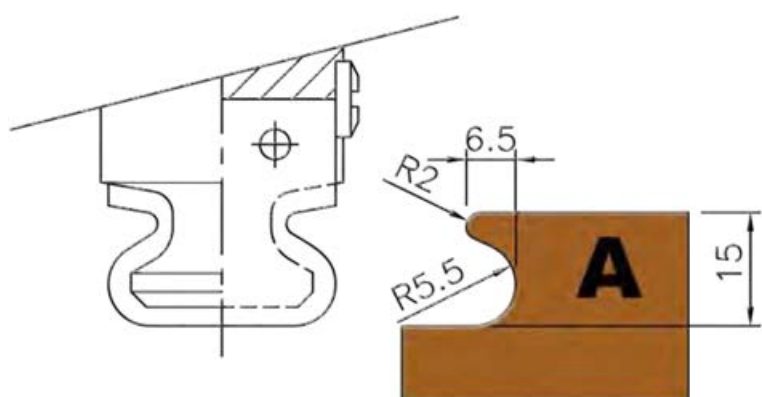
ARTICOLO ITEM	DESCRIZIONE DESCRIPTION
3.25/1	Punta portacoltelli sagomata Ø 30x30
	RICAMBI:
4.103/A	Coltello hm sagomato mm.30x30x2
3.25/2	Punta portacoltelli sagomata Ø 35x30
	RICAMBI:
4.103/B	Coltello hm sagomato mm.35x30x2
3.25/3	Punta portacoltelli sagomata Ø 40x42
	RICAMBI:
4.103/C	Coltello hm sagomato mm.40x42x2



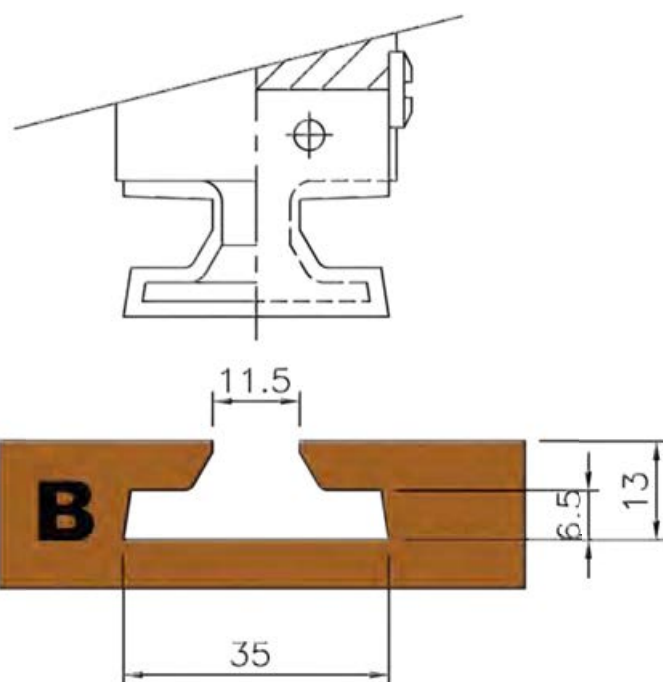
art. 3.25

PROFILO OTTENUTO SCALA 1:1
PROFILE OBTAINED SCALE 1:1

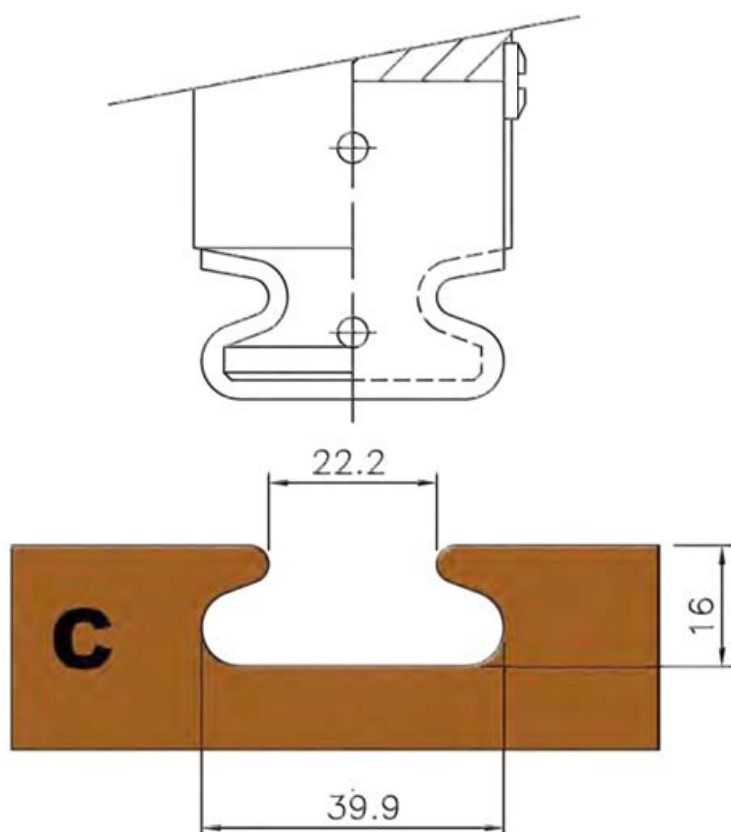
3.25/1



3.25/2



3.25/3



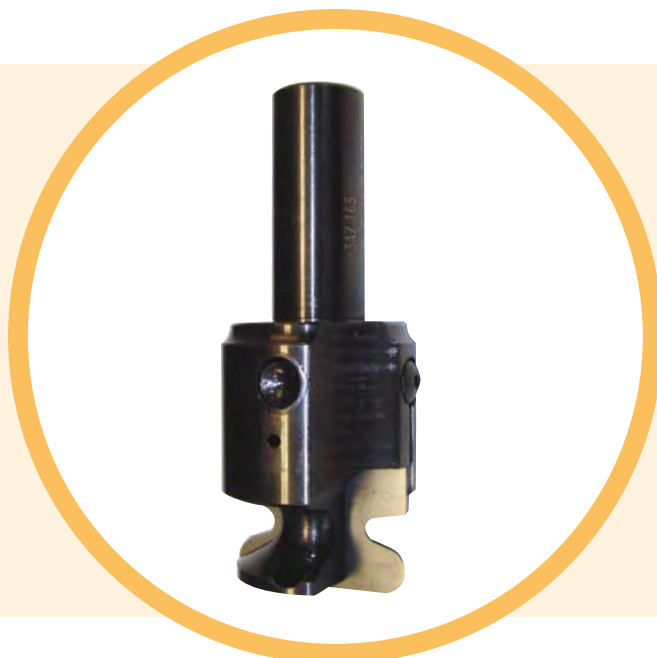
art. 3.25S



**PUNTA PORTACOLTELLI SAGOMATA PER ESEGUIRE
SCANALATURE INSERIMENTO ALLUMINIO E SEDE
MANIGLIA CON PROFILO A RICHIESTA AD ATTACCO Ø
20x50 TIPO BITAGLIENTE**

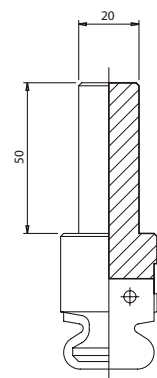


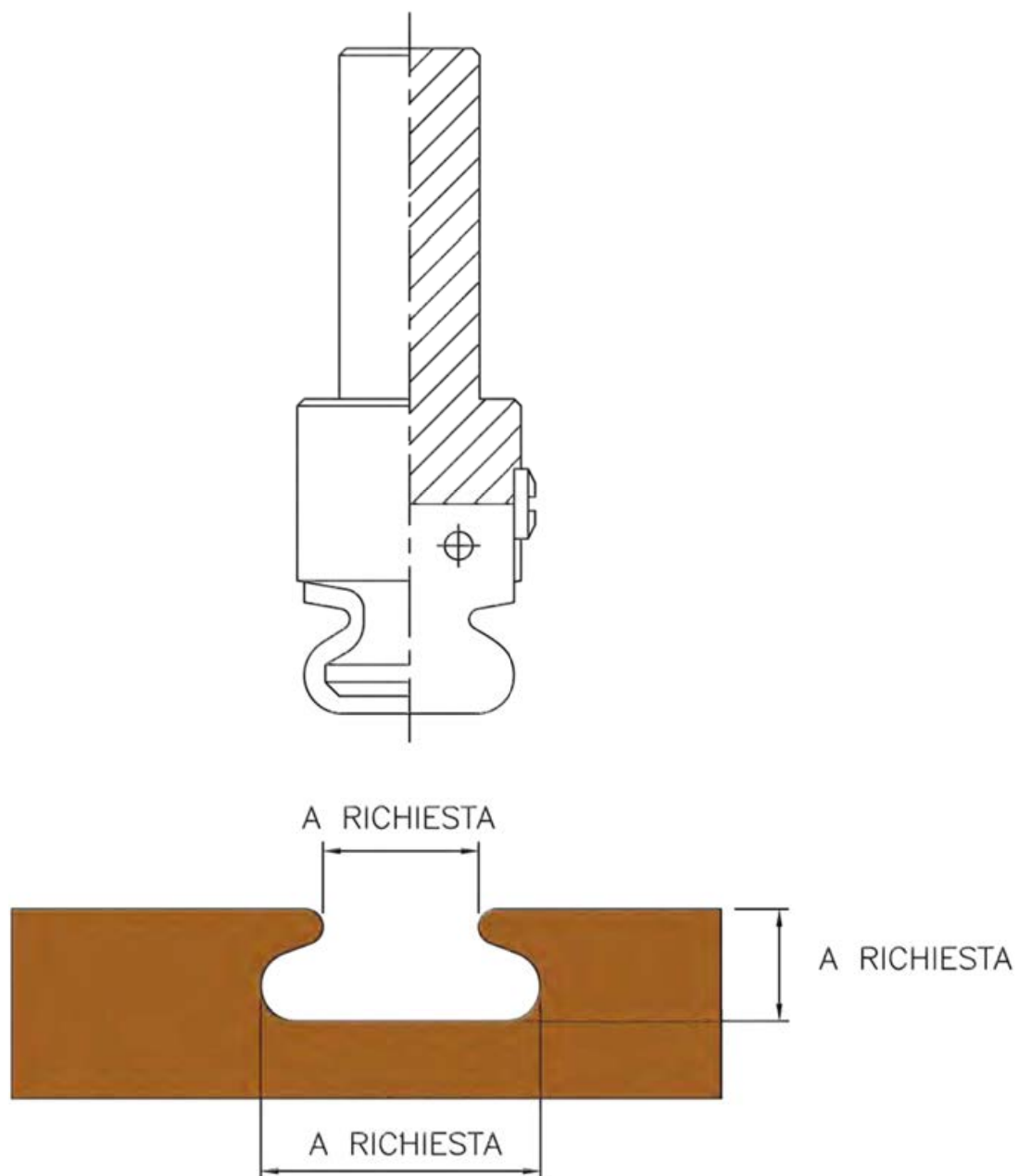
**INSERT SHANK CUTTER FOR T-SLOT GROOVING OF
ALUMINIUM AND HANDLE SLOT, PROFILE ON REQUEST, Z=1
PROFIED KNIFE WITH DOUBLE CUT, SHANK Ø 20 X 50**



Punte porta coltelli
Insert knives cutter heads

ARTICOLO ITEM	Ø	SPESSORE THICKNESS
3.25S/30x30	30	30
3.25S/35x35	35	35
3.25S/40x42	40	42





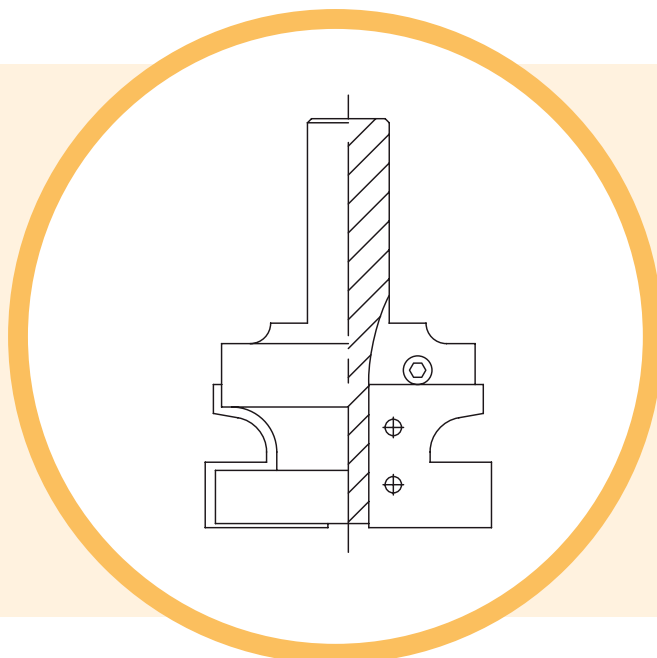
art. 3.27



**PUNTA PORTACOLTELLI SAGOMATA PER SEDE
FERMAVETRO CON ATTACCO Ø 20x50 A Z=2**



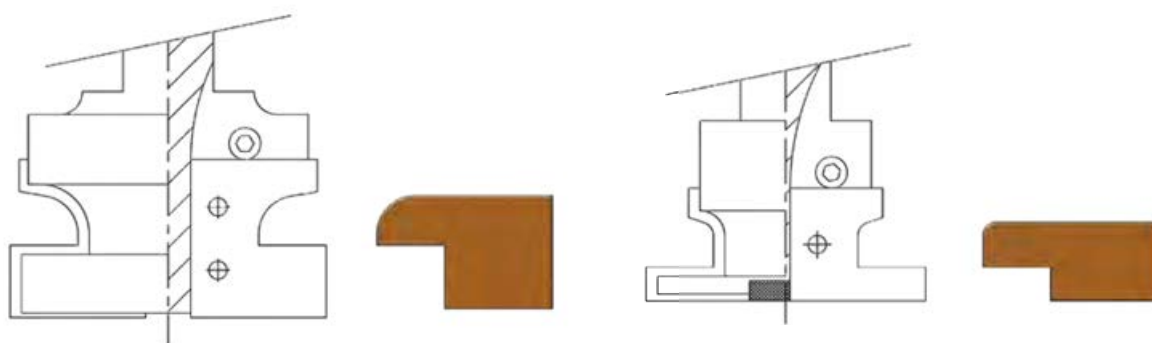
**PROFIED INSERT SHANK CUTTER FOR GLASS SLOT ON
SHANK Ø 20 X 50 Z=2**



Punte porta coltelli
Insert knives cutter heads

ARTICOLO ITEM	Ø	SPESSORE THICKNESS
3.27/50x30	50	30
3.27/62x25	62	25
3.27/70x35	70	35

ESEMPIO DI LAVORAZIONE WORKING EXAMPLE



art. 3.32



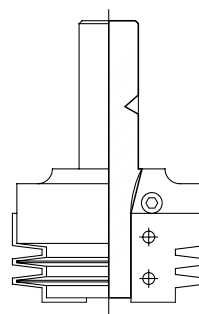
**PUNTA PORTACOLTELLI SAGOMATA PER GIUNZIONI
CON ATTACCO Ø 20x50 A Z=2**



**FINGER JOINTING INSERT SHANK CUTTER, Z=2 PROFILED
KNIVES, SHANK Ø 20X50**



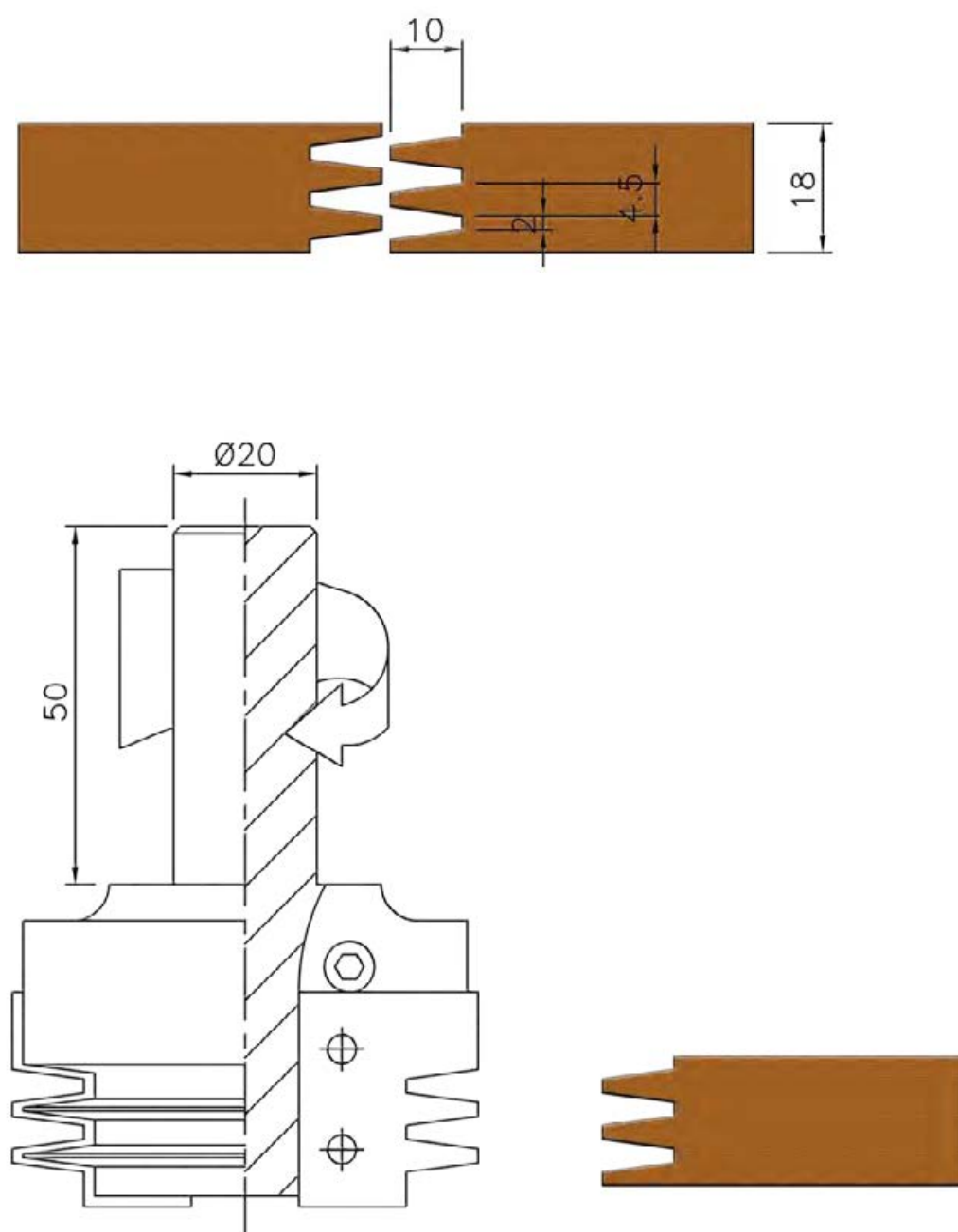
ARTICOLO ITEM	DESCRIZIONE DESCRIPTION
3.32/1	Punta portacoltelli sagomata Ø 65x30
	RICAMBI:
4.105/A	Coltello hm sagomato mm30x25x2



art. 3.32

PROFILO OTTENUTO SCALA 1:1
 PROFILED OBTAINED SCALE 1:1

Punte porta coltelli
 Insert knives cutter heads



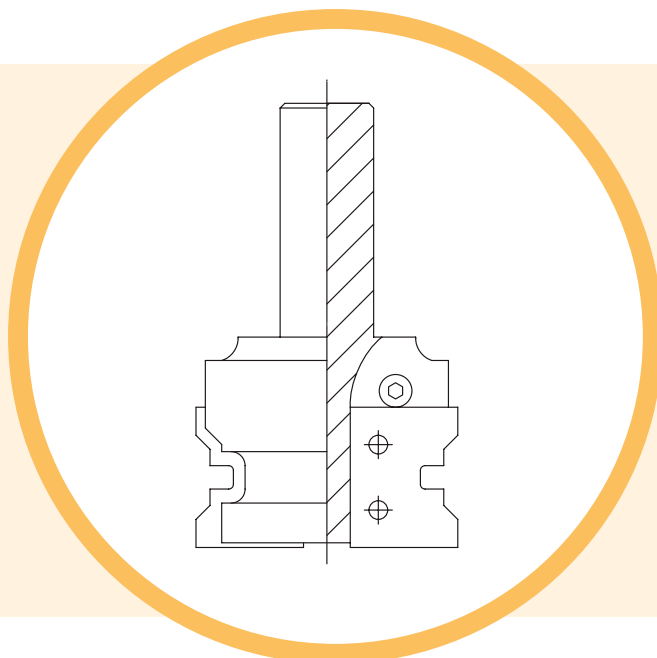
art. 3.34



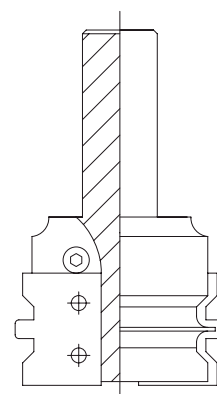
**PUNTE PORTACOLTELLI SAGOMATE PER ESEGUIRE
MASCHIO + FEMMINA FISSO CON ATTACCO Ø 20x50
A Z=2**



**TONGUE AND GROOVE INSERT SHANK CUTTERS, Z=2
PROFIED KNIVES, SHANK Ø 20x50**



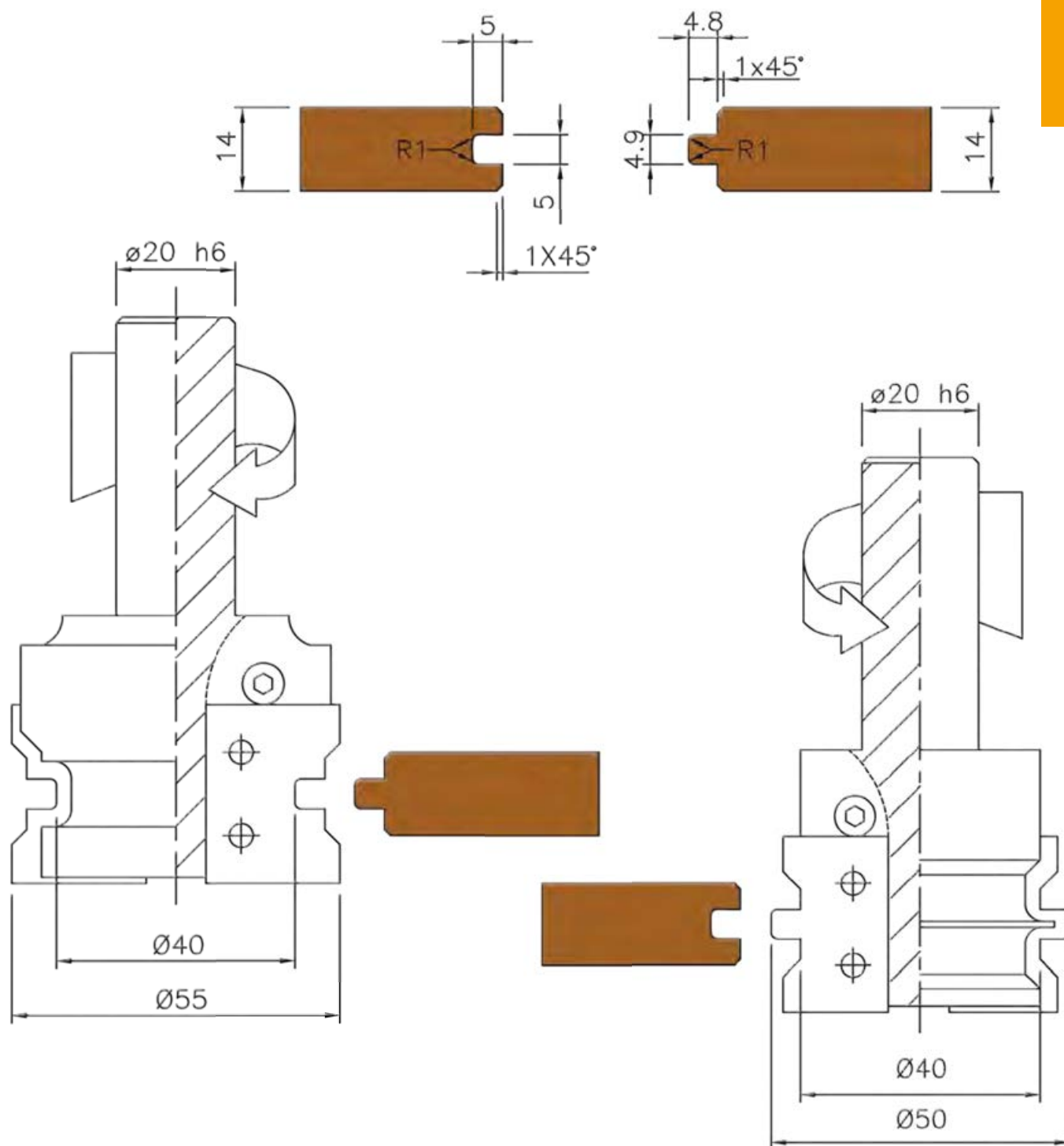
ARTICOLO ITEM	DESCRIZIONE DESCRIPTION
3.34/1	Punta portacoltelli sagomata Ø 55x30 M
	RICAMBI:
4.106/M	Coltello hm sagomato mm.30x25x2
3.34/2	Punta portacoltelli sagomata Ø 50x30 F
	RICAMBI:
4.106/F	Coltello hm sagomato mm.30x20x2



art. 3.34

PROFILO OTTENUTO SCALA 1:1
PROFIED OBTAINED SCALE 1:1

Punte porta coltelli
Insert knives cutter heads



art. 3.35



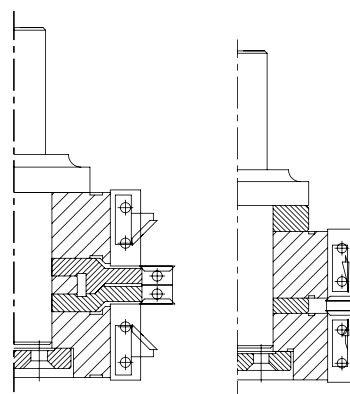
GRUPPI PUNTE PORTACOLTELLI PER ESEGUIRE
MASCHIO + FEMMINA componibili su mandrini
ATTACCO Ø 20 O 25 A Z=2



TONGUE AND GROOVE INSERT SHANK CUTTERS SET,
MOUNTED ON SPINDLE WITH SHANK Ø 20 OR Ø 25, Z=2
PROFILED KNIVES



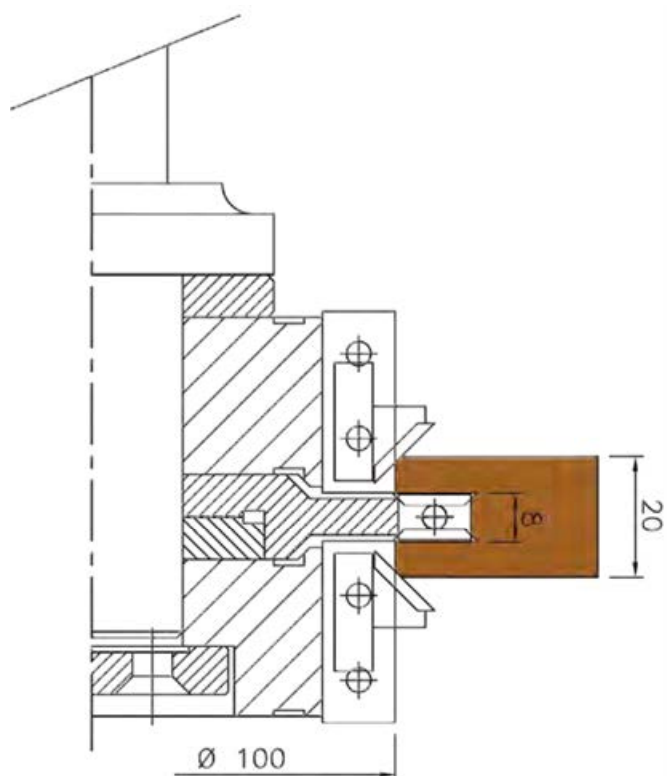
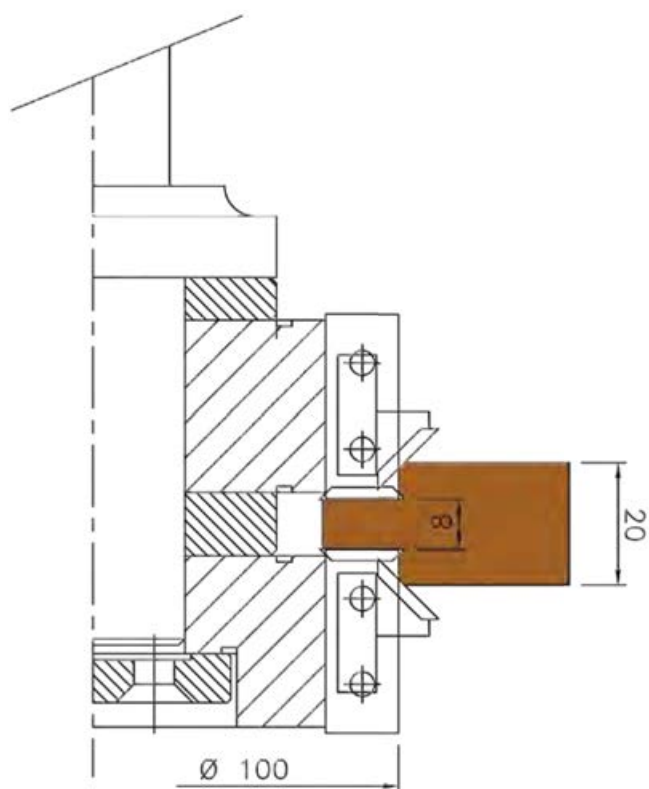
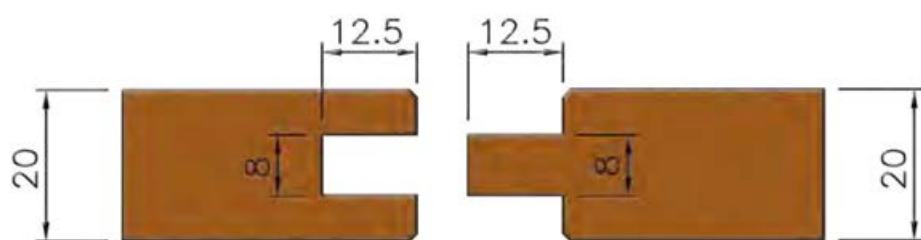
ARTICOLO ITEM	Ø	SPESSORE THICKNESS
3.35/100x30+30M	100	30+30
3.35/100x30+30F	100	30+30



art. 3.35

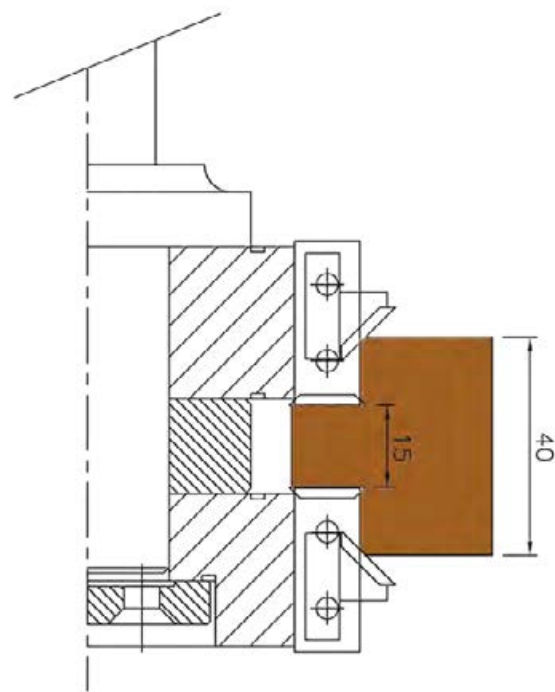
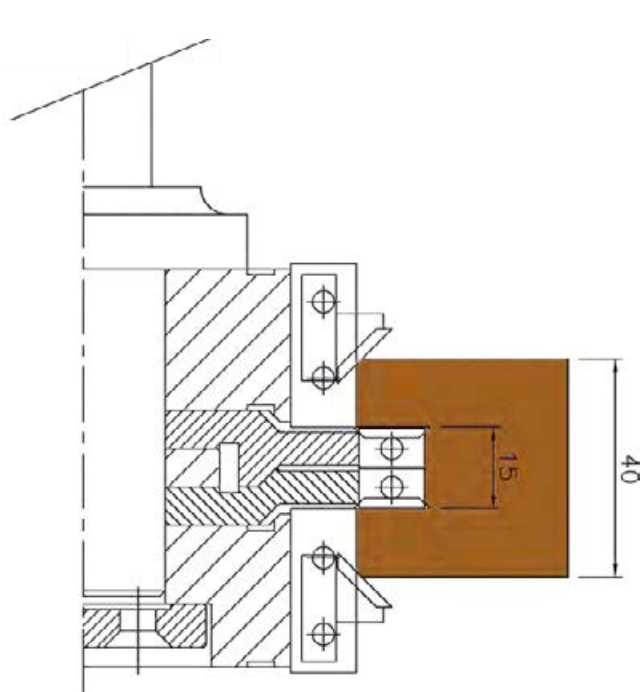
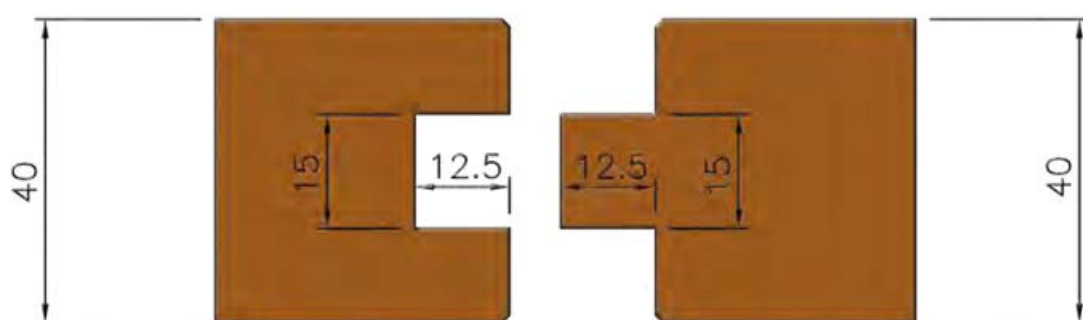
PROFILO OTTENUTO SCALA 1:1
PROFILED OBTAINED SCALE 1:1

Punte porta coltelli
Insert knives cutter heads



art. 3.35

PROFILO OTTENUTO SCALA 1:1
PROFIED OBTAINED SCALE 1:1



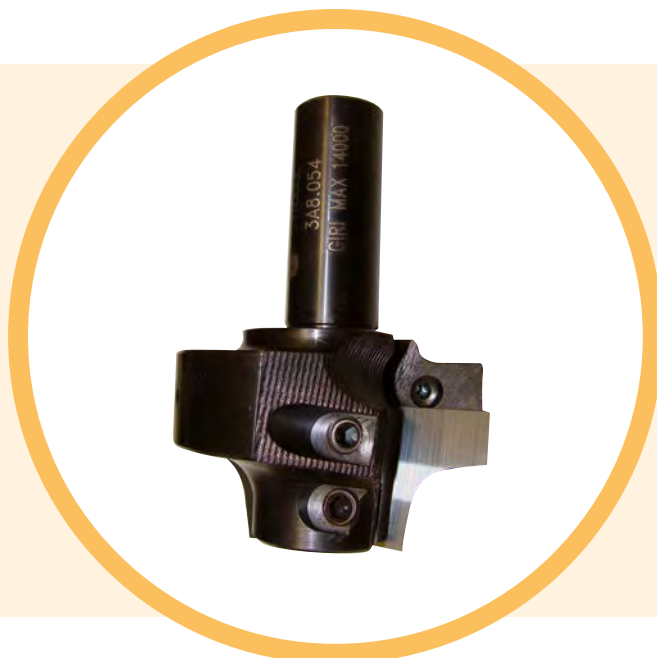
art. 3.41



PUNTA PORTACOLTELLI SAGOMATA PER QUARTI DI TONDO A RAGGIO CONVESSO CON ATTACCO Ø 20x50 A Z=2

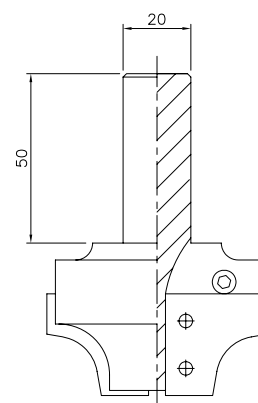


PROFILED INSERT SHANK CUTTER FOR QUARTER ROUND SHAPE WITH CONVEX RADIUS, Z=2 PROFILED KNIVES, ON SHANK Ø 20x50



Punte porta coltelli
Insert knives cutter heads

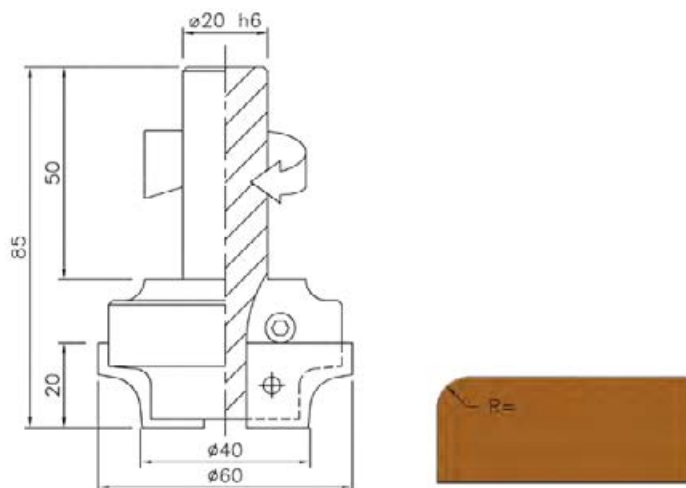
ARTICOLO ITEM	DESCRIZIONE DESCRIPTION	
3.41/1	Punta portacoltelli sagomata Ø 60x20	
	RICAMBI:	
4.109/3	Coltello hm sagomato mm.20x25x2	R=3
4.109/5		R=5
4.109/6		R=6
4.109/7,5		R=7,5
3.41/2	Punta portacoltelli sagomata Ø 73x30	
	RICAMBI:	
4.109/10	Coltello hm sagomato mm.30x30x2	R=10
4.109/12,5		R=12,5
4.109/15		R=15
3.41/3	Punta portacoltelli sagomata Ø 83x30	
	RICAMBI:	
4.109/17,5	Coltello hm sagomato mm.30x35x2	R=17,5
4.109/20		R=20
3.41/4	Punta portacoltelli sagomata Ø 103x40	
	RICAMBI:	
4.109/25	Coltello hm sagomato mm.40x45x2	R=25
4.109/30		R=30



art. 3.41

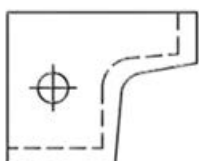
PROFILO OTTENUTO
PROFILE OBTAINED

art. 3.41/1

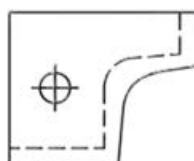


RICAMBI / SPARE PARTS

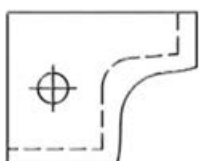
4.109/3



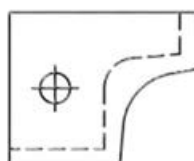
4.109/5



4.109/6



4.109/7.5

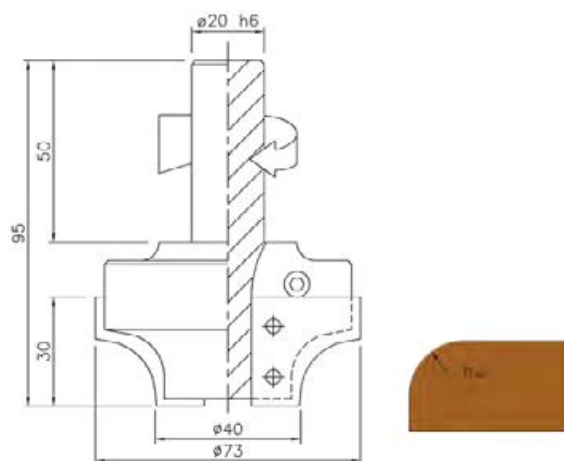


art. 3.41

PROFILO OTTENUTO
PROFILE OBTAINED

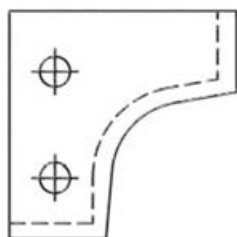
Punte porta coltelli
Insert knives cutter heads

art. 3.41/2

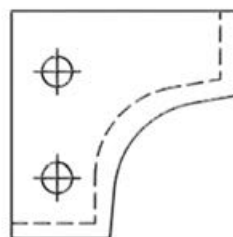


RICAMBI / SPARE PARTS

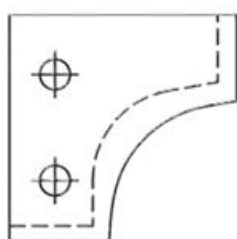
4.109/10



4.109/12.5



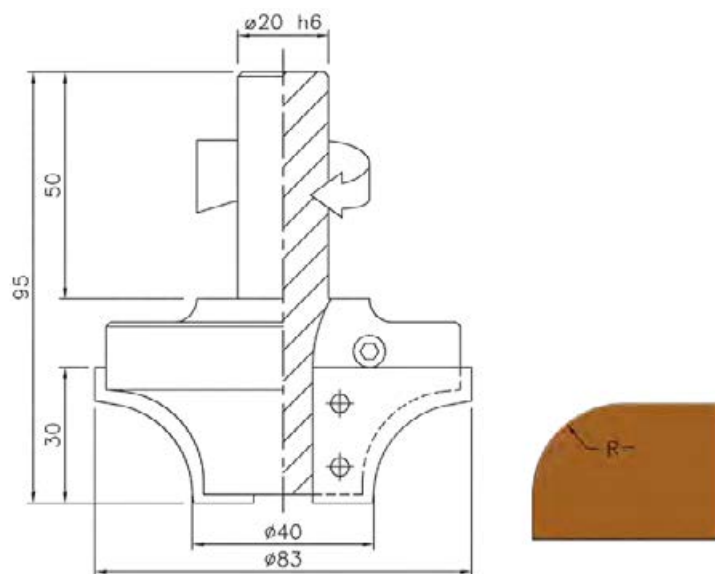
4.109/15



art. 3.41

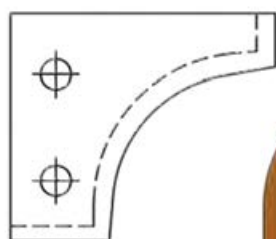
PROFILO OTTENUTO
PROFILE OBTAINED

art. 3.41/3

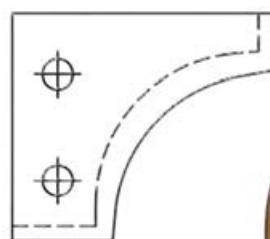


RICAMBI / SPARE PARTS

4.109/17.5



4.109/20

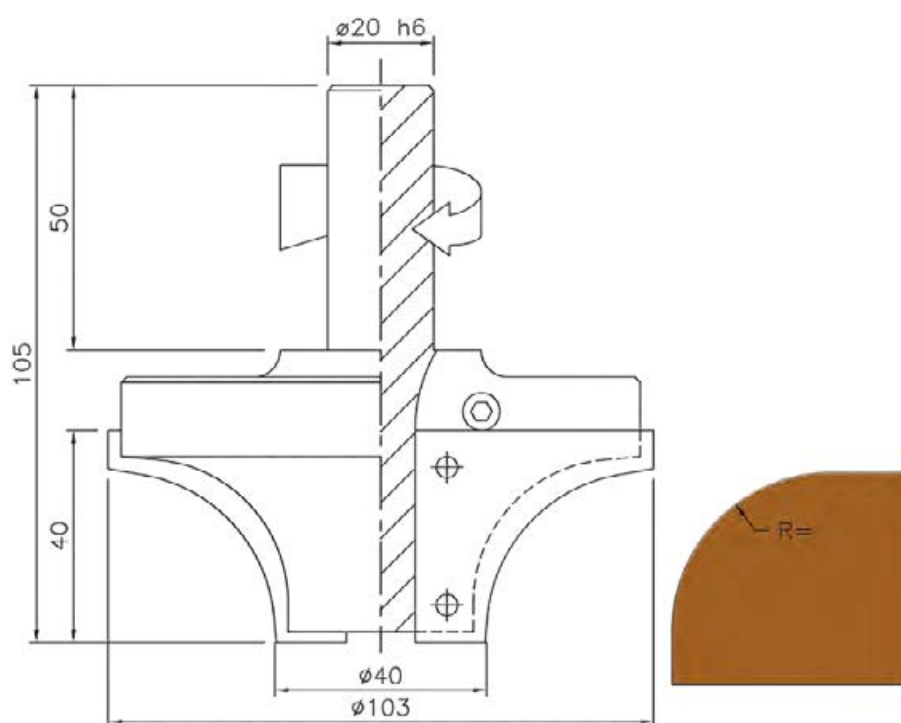


art. 3.41

PROFILO OTTENUTO
PROFILE OBTAINED

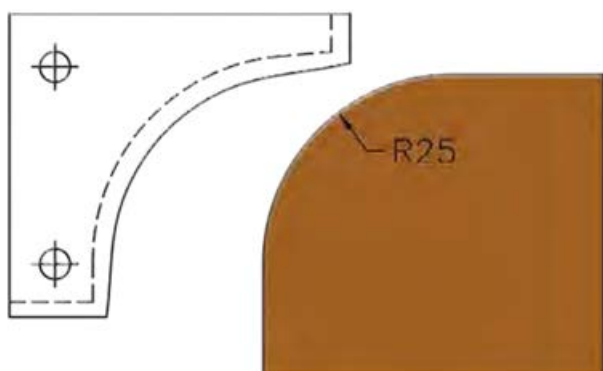
Punte porta coltelli
Insert knives cutter heads

art. 3.41/4

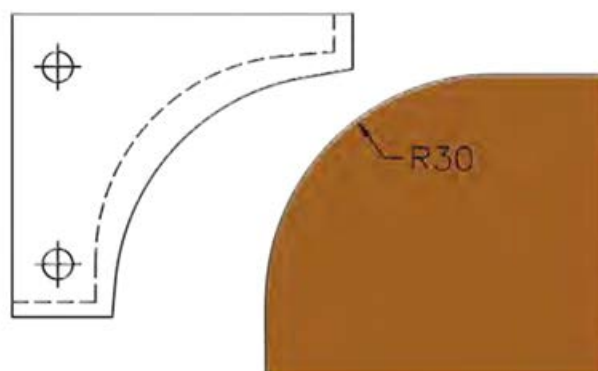


RICAMBI / SPARE PARTS

4.109/25



4.109/30



art. 3.42



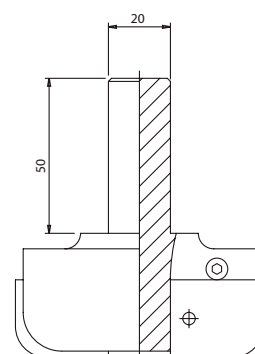
**PUNTA PORTACOLTELLI SAGOMATA PER QUARTI DI TONDO
A RAGGIO CONCAVO CON ATTACCO Ø 20x50 A Z=2**



**PROFIED INSERT SHANK CUTTER FOR QUARTER ROUND SHAPE
WITH CONCAVE RADIUS, Z=2 PROFIED KNIVES, SHANK Ø
20X50**



ARTICOLO ITEM	DESCRIZIONE DESCRIPTION	
3.42/1	Punta portacoltelli sagomata Ø 50x20	
	RICAMBI:	
4.110/3	Coltello hm sagomato mm.20x20x2	R=3
4.110/5		R=5
4.110/6		R=6
4.110/7,5		R=7,5
3.42/2	Punta portacoltelli sagomata Ø 60x30	
	RICAMBI:	
4.110/10	Coltello hm sagomato mm30x25x2	R=10
4.110/12,5		R=12,5
4.110/15		R=15
3.42/3	Punta portacoltelli sagomata Ø 70x30	
	RICAMBI:	
4.110/17,5	Coltello hm sagomato mm 30x30x2	R=17,5
4.110/20		R=20
3.42/4	Punta portacoltelli sagomata Ø 90x35	
	RICAMBI:	
4.110/25	Coltello hm sagomato mm 35x40x2	R=25
4.110/30		R=30

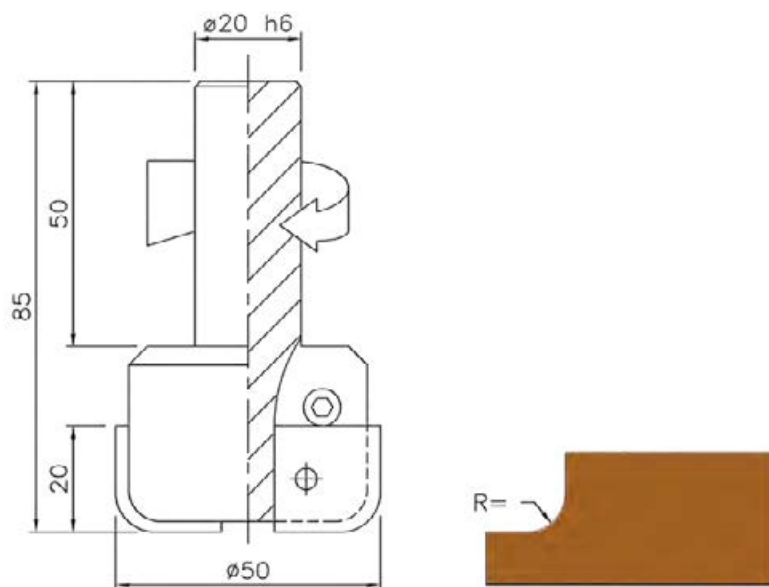


art. 3.42

PROFILO OTTENUTO
PROFILE OBTAINED

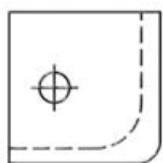
Punte porta coltelli
Insert knives cutter heads

art. 3.42/1



RICAMBI / SPARE PARTS

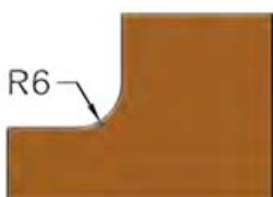
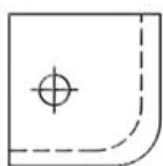
4.110/3



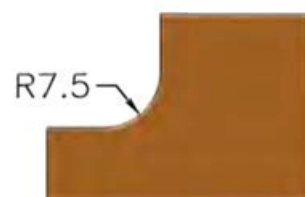
4.110/5



4.110/6



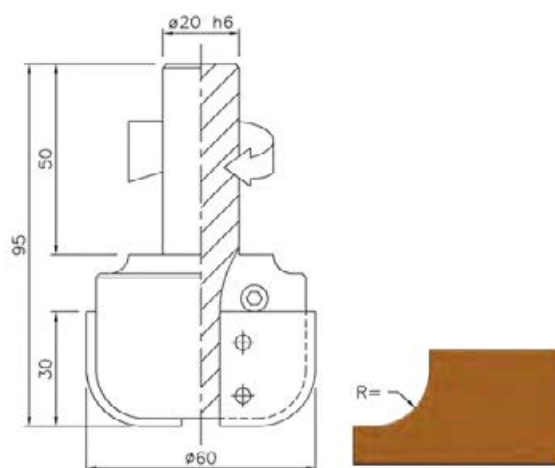
4.110/7.5



art. 3.42

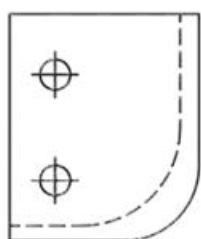
PROFILO OTTENUTO
PROFILE OBTAINED

art. 3.42/2

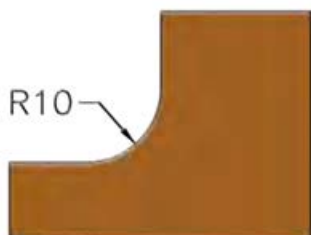


RICAMBI / SPARE PARTS

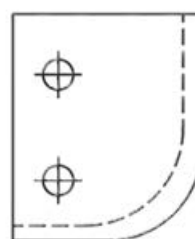
4.110/10



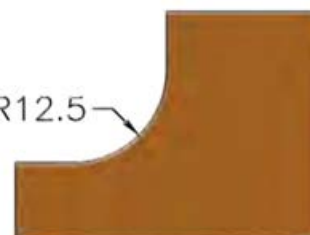
R10



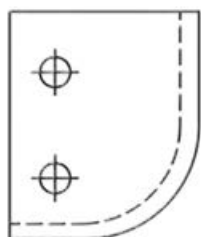
4.110/12.5



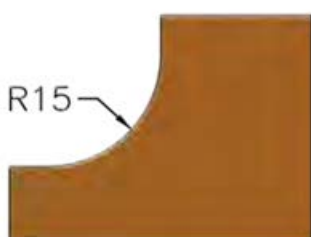
R12.5



4.110/15



R15

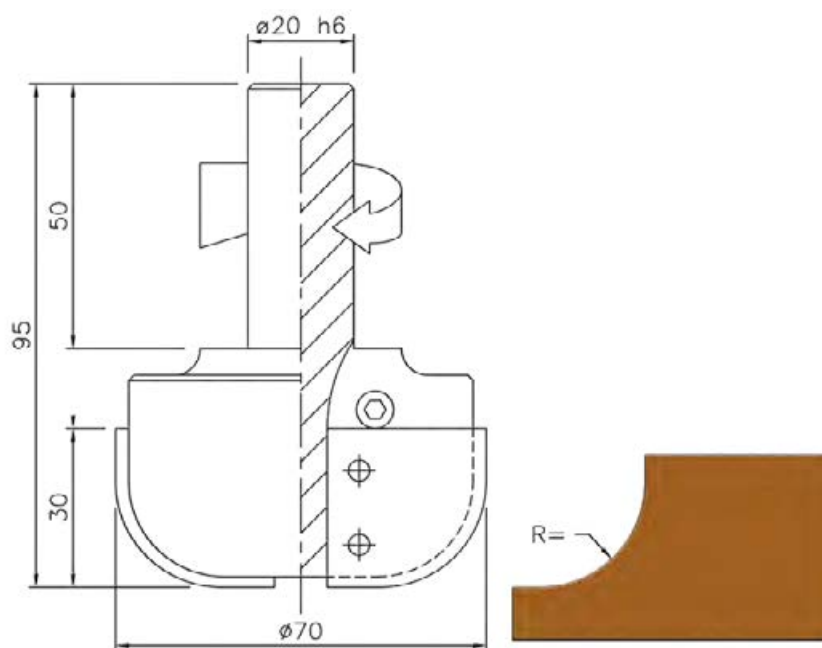


art. 3.42

PROFILO OTTENUTO
PROFILE OBTAINED

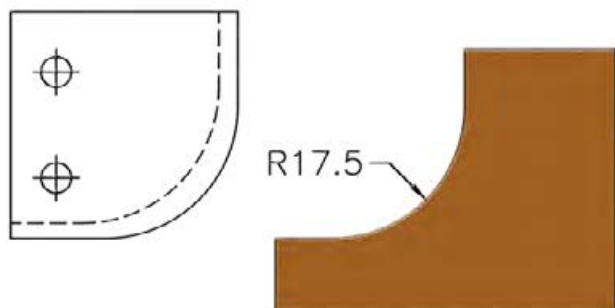
Punte porta coltelli
Insert knives cutter heads

art. 3.42/3

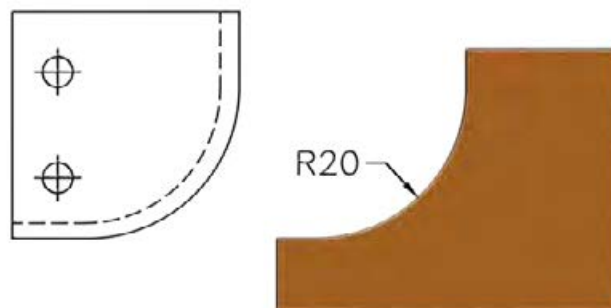


RICAMBI / SPARE PARTS

4.110/17.5



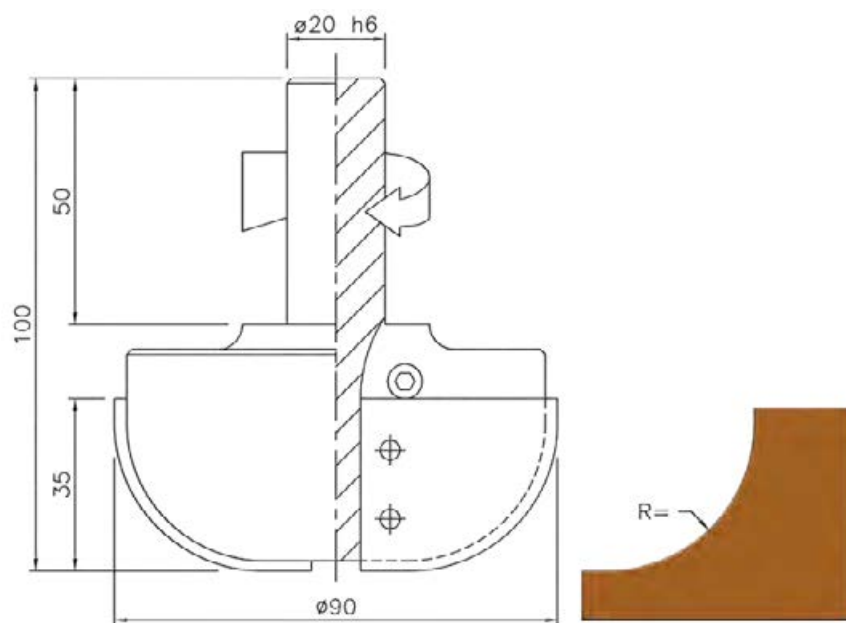
4.110/20



art. 3.42

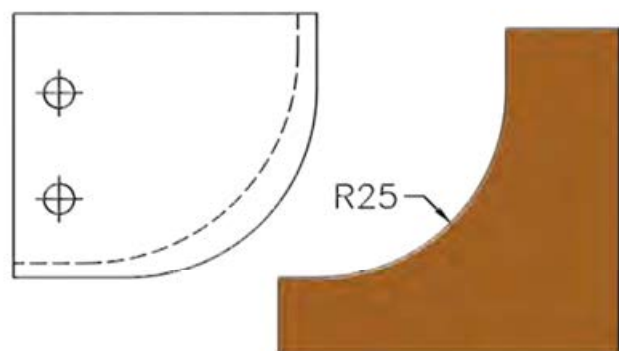
PROFILO OTTENUTO
PROFILE OBTAINED

art. 3.42/4

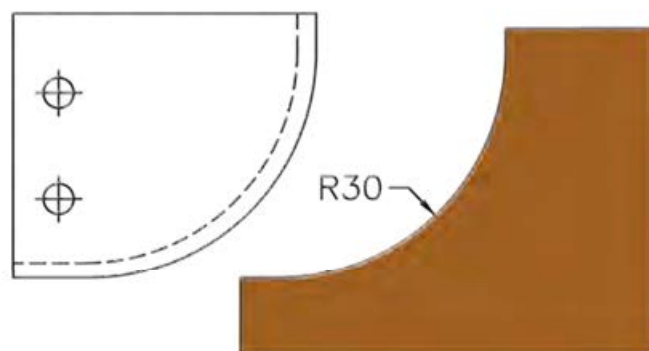


RICAMBI / SPARE PARTS

4.110/25



4.110/30



art. 3.43



**PUNTA PORTACOLTELLI SAGOMATA PER MEZZI TONDI
A RAGGIO CONVESSO CON ATTACCO Ø 20x50 A Z=2**

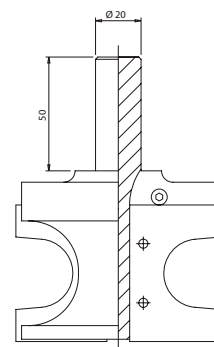


**PROFIED INSERT SHANK CUTTER FOR HALF ROUND SHAPE
WITH CONVEX RADIUS, Z=2 PROFIED KNIVES ON SHANK Ø
20X50**



Punte porta coltelli
Insert knives cutter heads

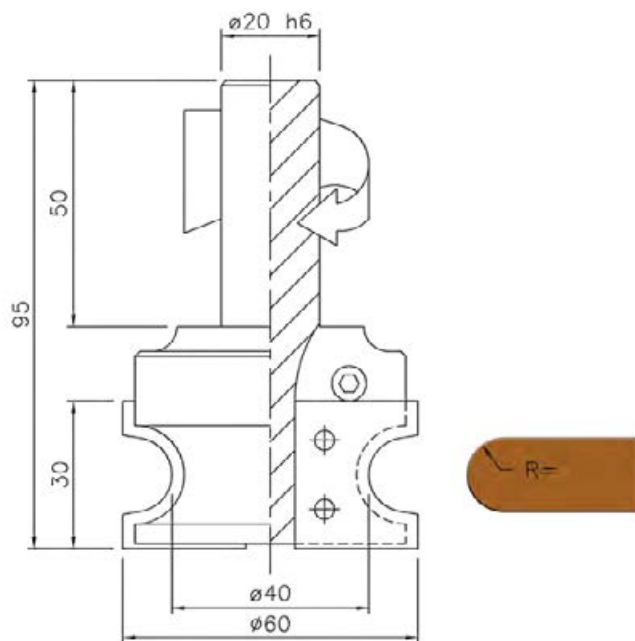
ARTICOLO ITEM	DESCRIZIONE DESCRIPTION	
3.43/1	Punta portacoltelli sagomata Ø 60x30	
	RICAMBI:	
4.115/5	Coltello hm sagomato mm.30x25x2	R=5
4.115/7,5		R=7,5
3.43/2	Punta portacoltelli sagomata Ø 70x40	
	RICAMBI:	
4.115/10	Coltello hm sagomato mm.40x30x2	R=10
4.115/12,5		R=12,5
3.43/3	Punta portacoltelli sagomata Ø 90x60	
	RICAMBI:	
4.115/15	Coltello hm sagomato mm.60x40x2	R=15
4.115/17,5		R=27,5
4.115/20		R=20
3.43/4	Punta portacoltelli sagomata Ø 115x80	
	RICAMBI:	
4.115/22,5	Coltello hm sagomato mm.80x50x2	R=22,5
4.115/25		R=25
4.115/30		R=30



art. 3.43

PROFILO OTTENUTO
PROFILE OBTAINED

art. 3.43/1



RICAMBI / SPARE PARTS

4.115/5



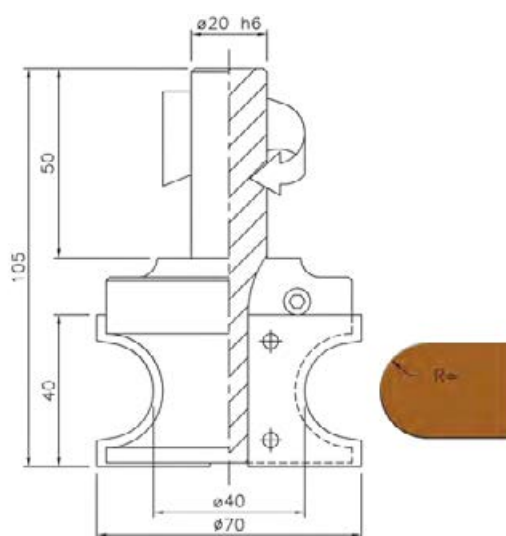
4.115/7.5



art. 3.43

PROFILO OTTENUTO
PROFILE OBTAINED

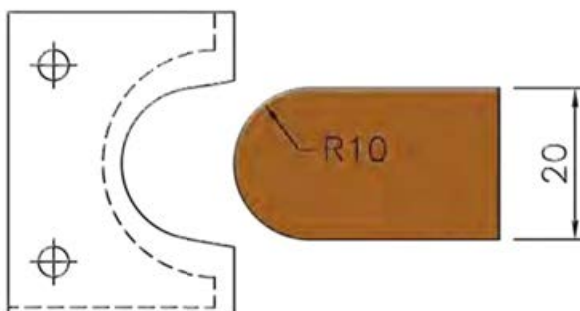
art. 3.43/2



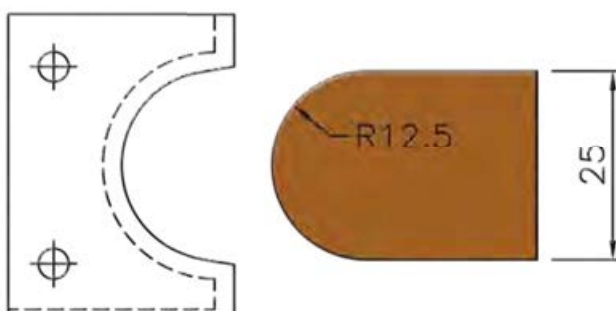
Punte porta coltelli
Insert knives cutter heads

RICAMBI / SPARE PARTS

4.115/10



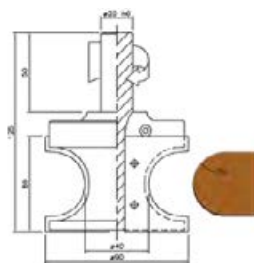
4.115/12.5



art. 3.43

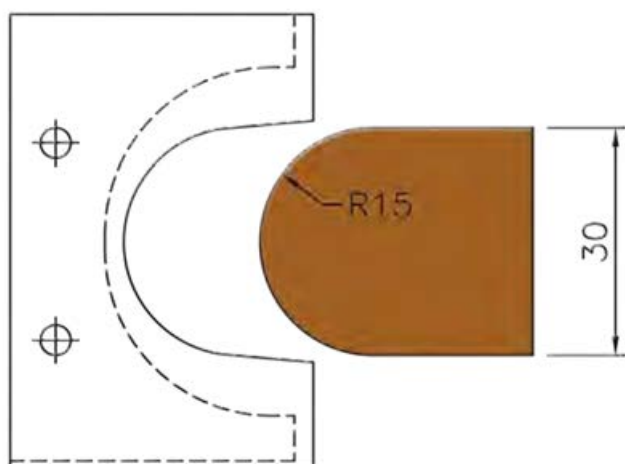
PROFILO OTTENUTO
PROFILE OBTAINED

art. 3.43/3

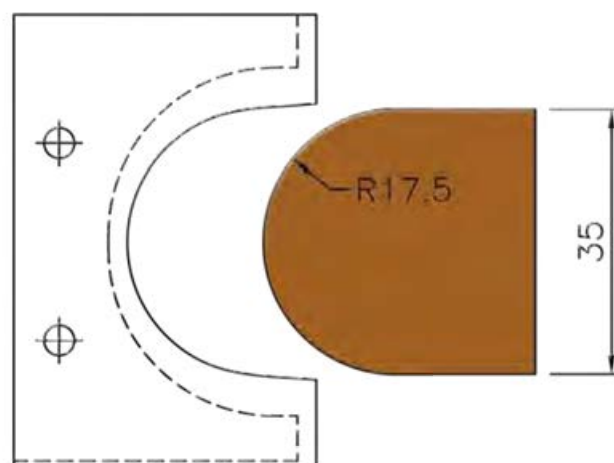


RICAMBI / SPARE PARTS

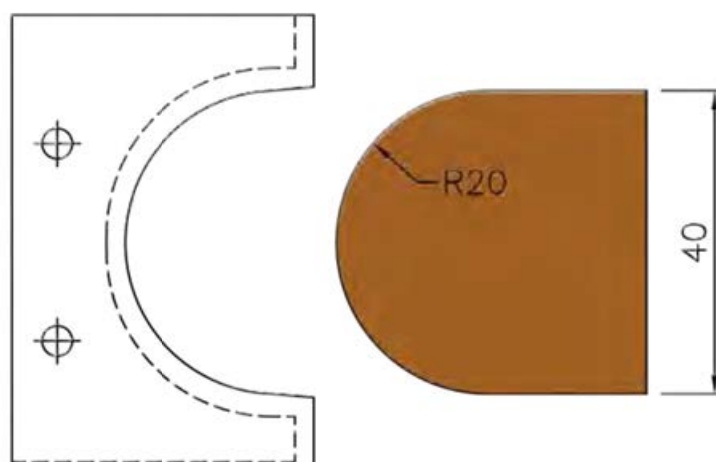
4.115/15



4.115/17.5



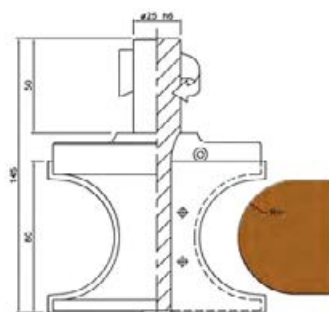
4.115/20



art. 3.43

PROFILO OTTENUTO
PROFILE OBTAINED

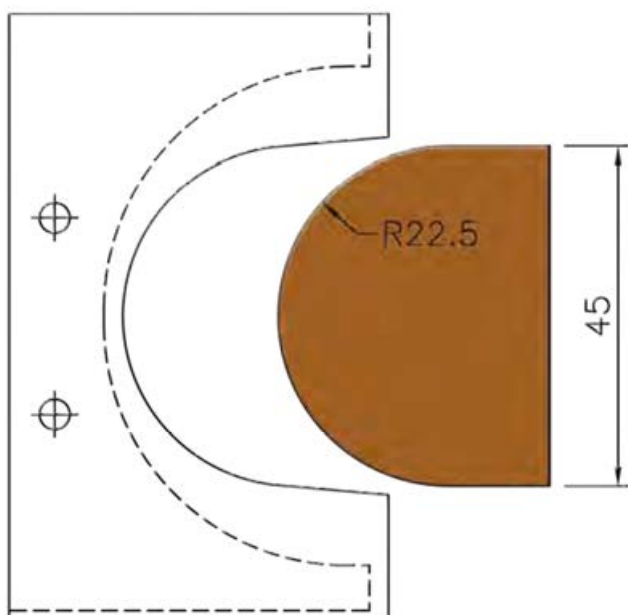
art. 3.43/4



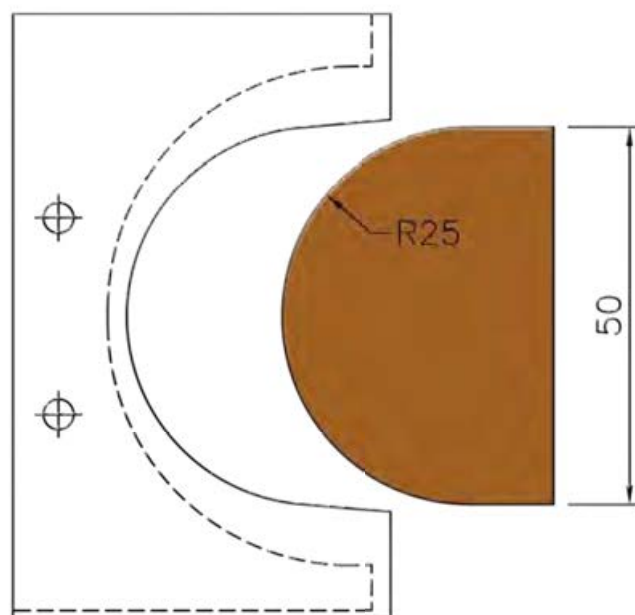
Punte porta coltelli
Insert knives cutter heads

RICAMBI / SPARE PARTS

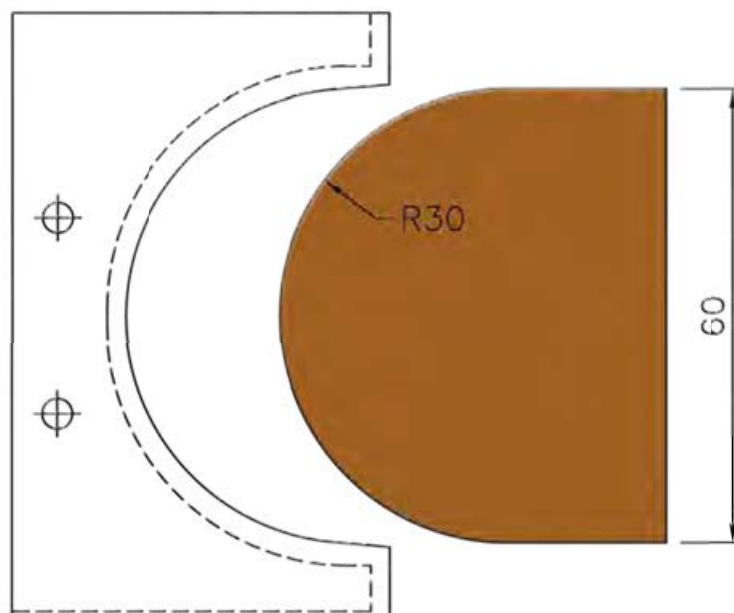
4.115/22.5



4.115/25



4.115/30



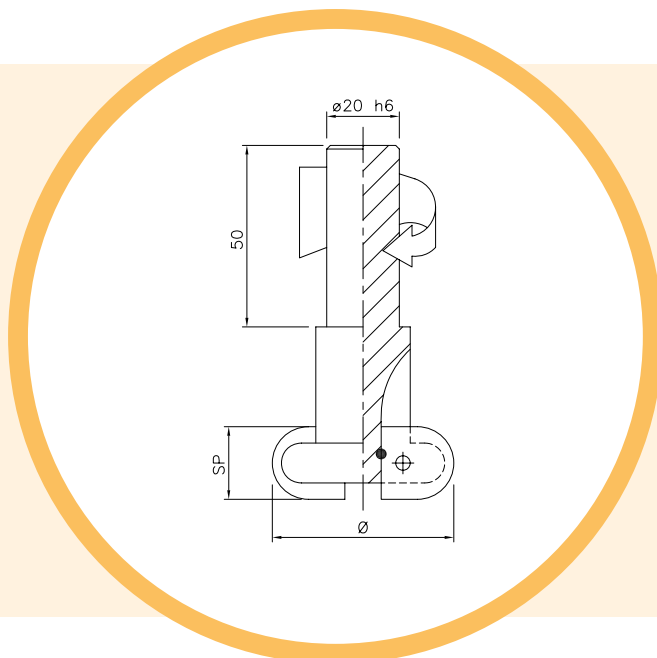
art. 3.44



PUNTA PORTACOLTELLI SAGOMATA PER MEZZI TONDI A RAGGIO CONCAVO CON ATTACCO Ø 20x50 A Z=2



PROFIED INSERT SHANK CUTTER FOR HALF ROUND SHAPE WITH CONCAVE RADIUS, Z=2 PROFILED KNIFES, SHANK Ø 20X50



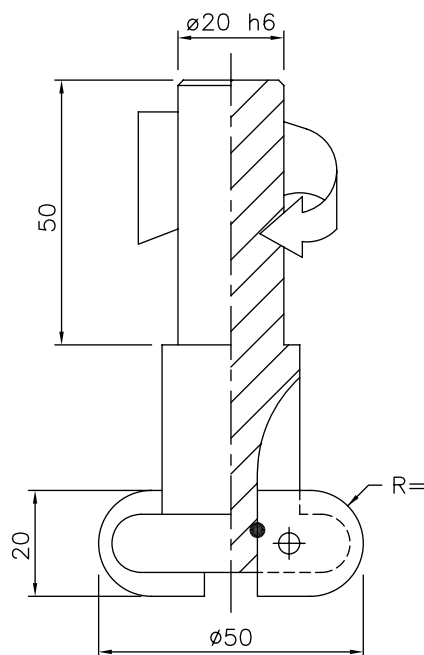
ARTICOLO ITEM	DESCRIZIONE DESCRIPTION	
3.44/1	Punta portacolteili sagomata Ø 50x20	
	RICAMBI:	
4.118/7,5	Coltello hm sagomato mm.20x20x2	R=7,5
4.118/10		R=10
3.44/2	Punta portacolteili sagomata Ø 60x30	
	RICAMBI:	
4.118/12,5	Coltello hm sagomato mm.30x25x2	R=12,5
4.118/15		R=15

art. 3.44

PROFILO OTTENUTO

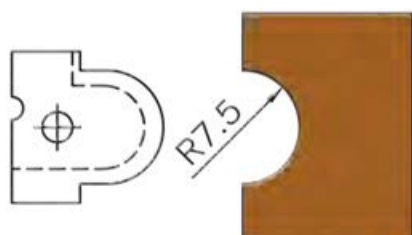
Punte porta coltelli: Insert knives cutter heads

art. 3.44/1

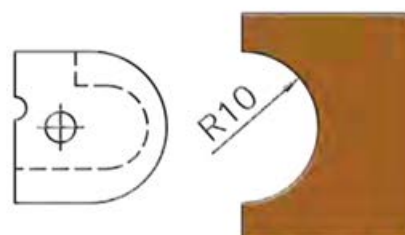


RICAMBI / SPARE PARTS

4.118/7.5



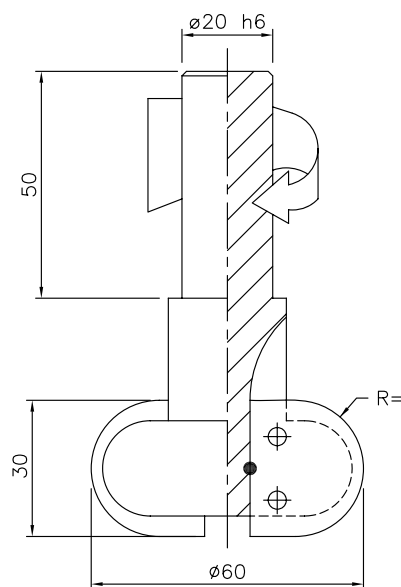
4.118/10



art. 3.44

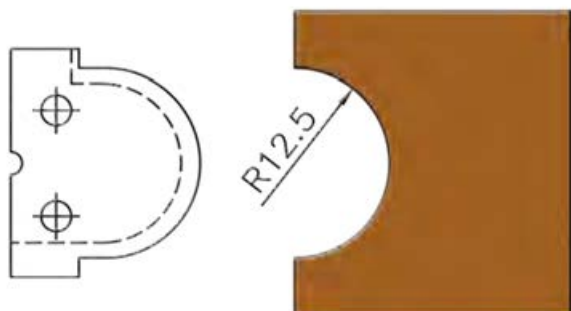
PROFILO OTTENUTO
PROFILE OBTAINED

art. 3.44/2

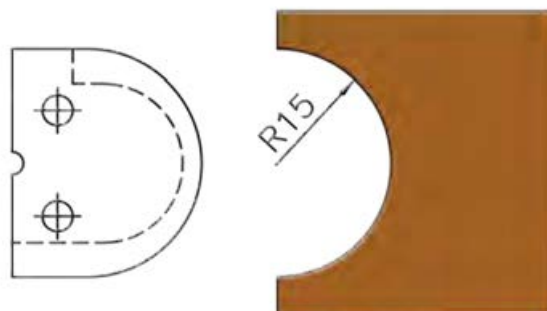


RICAMBI / SPARE PARTS

4.118/12.5



4.118/15



art. 3.46



PUNTA PORTACOLTELLI SAGOMATA A SQUADRARE E CONTORNARE CON RAGGIO O SMUSSO CON ATTACCO Ø 20x50 A Z=2

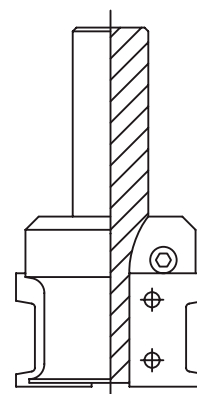


PROFILED INSERT SHANK CUTTER Z=2 FOR PROFILING AND SQUARING OF RADIUS OR CHAMFERS ON SHANK Ø 20X50



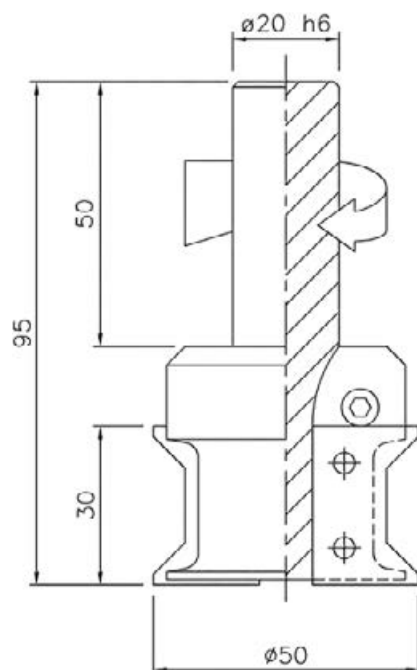
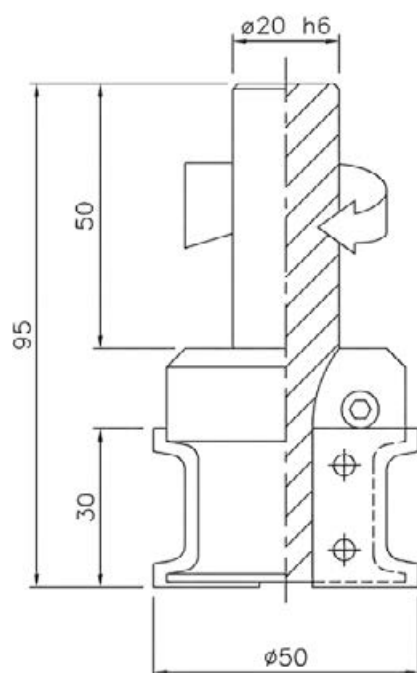
Punte porta coltelli
Insert knives cutter heads

ARTICOLO ITEM	DESCRIZIONE DESCRIPTION	
3.46/1	Punta portacoltelli sagomata Ø50X30	
	RICAMBI:	
4.119/1x18	Coltello hm sagomato mm.30x20x2	R=1
4.119/1x20		R=1
4.119/2x18		R=2
4.119/2x20		R=2
4.119/3x18		R=3
4.119/3x20		R=3
4.119/3x22		R=3
4.119/4x18		R=4
4.119/4x20		R=4
4.119/4x22		R=4
4.119/5x18		R=5
4.119/5x20		R=5
4.119/5x22		R=5
4.119/22x3		22x3x45°
4.119/22x4		22x4x45°
4.119/22x5		22x5x45°
4.119/20x5		20x5x45°
4.119/18x5		18x5x45°



art. 3.46

RICAMBI PROFILO
PROFILE SPARE PARTS

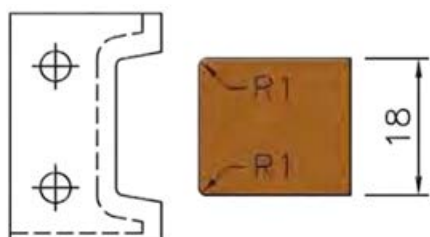


art. 3.46

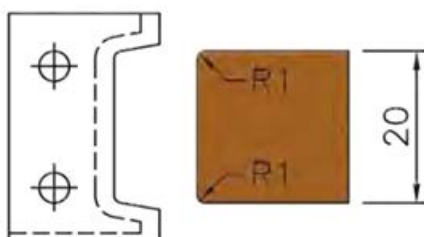
RICAMBI PROFILO SCALA 1:1
PROFILE SPARE PARTS SCALE 1:1

Punte porta coltelli
Insert knives cutter heads

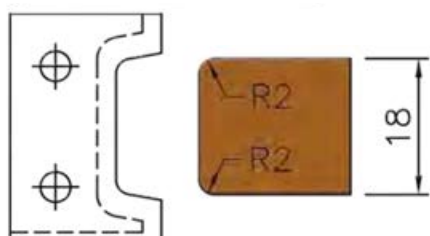
4.119/1x18



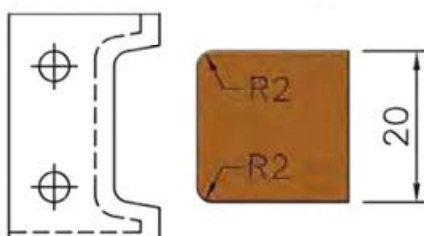
4.119/1x20



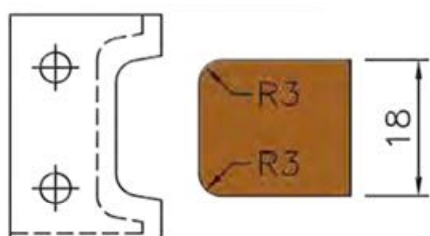
4.119/2x18



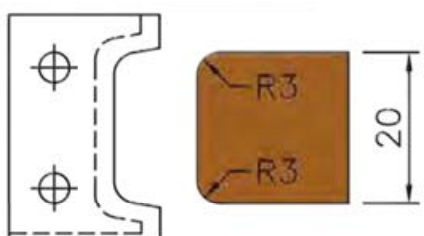
4.119/2x20



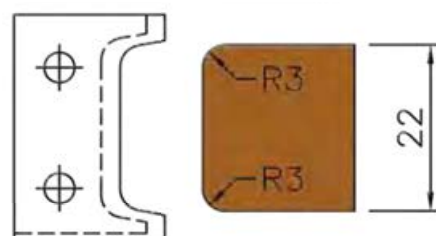
4.119/3x18



4.119/3x20



4.119/3x22



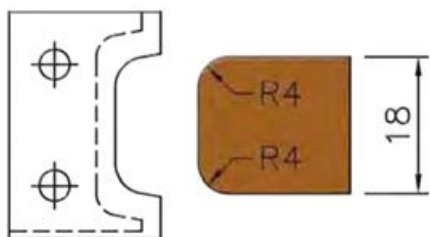
SEGUE ESEMPIO
EXAMPLE TO FOLLOW



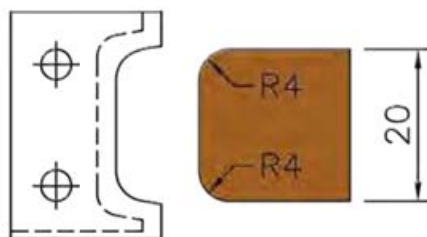
art. 3.46

PROFILO OTTENUTO
PROFILE OBTAINED

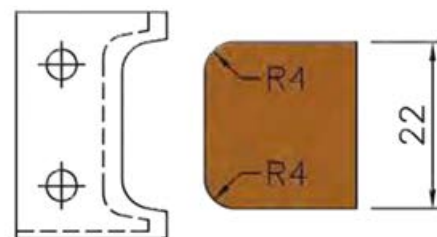
4.119/4x18



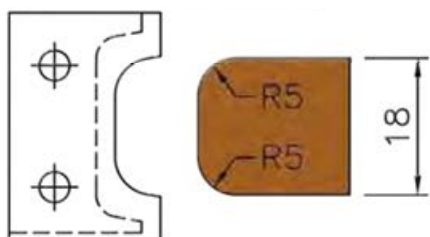
4.119/4x20



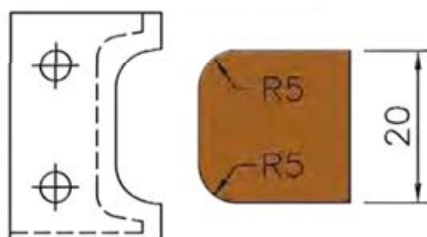
4.119/4x22



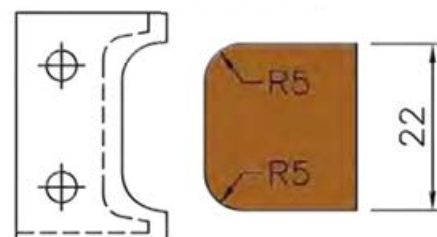
4.119/5x18



4.119/5x20



4.119/5x22

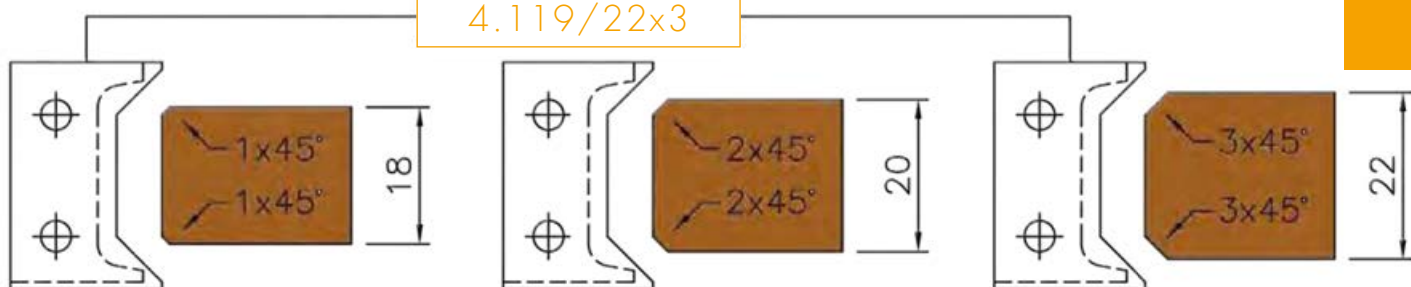


art. 3.46

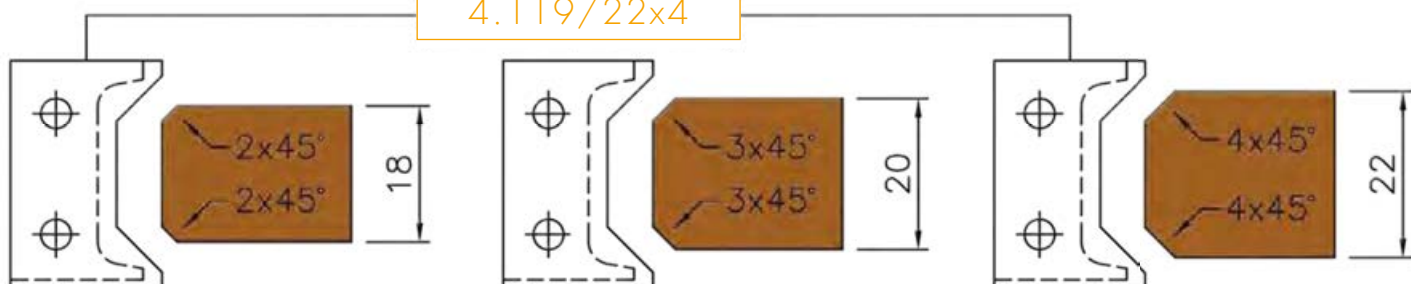
RICAMBI PROFILO SCALA 1:1
PROFILE SPARE PARTS SCALE 1:1

Punte porta coltelli
Insert knives cutter heads

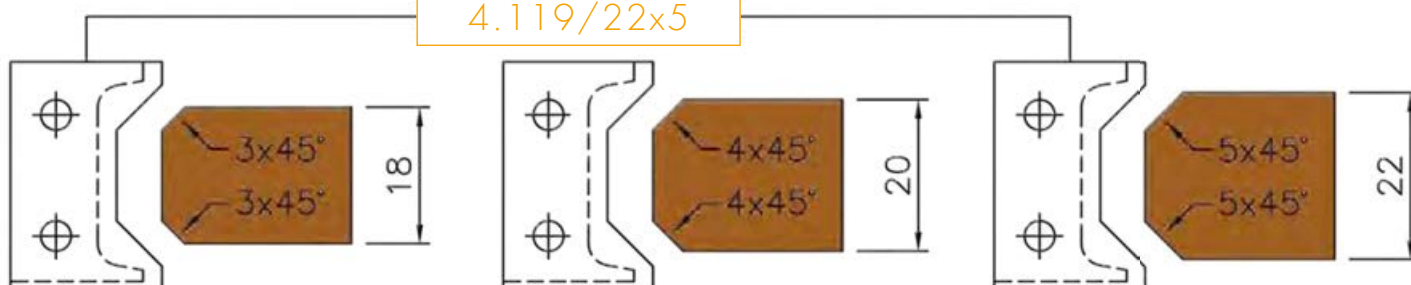
4.119/22x3



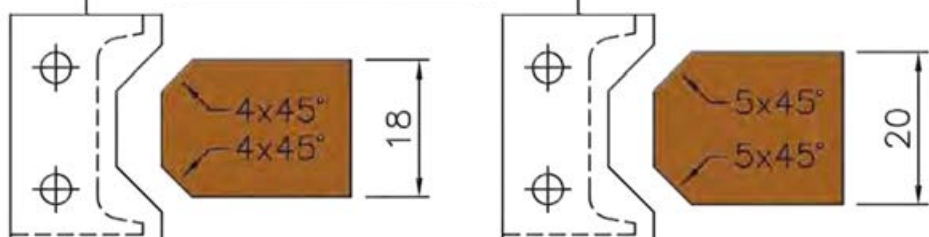
4.119/22x4



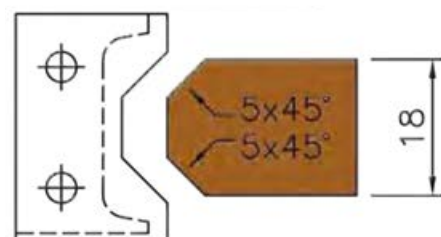
4.119/22x5



4.119/20x5



4.119/18x5



art. 3.46A



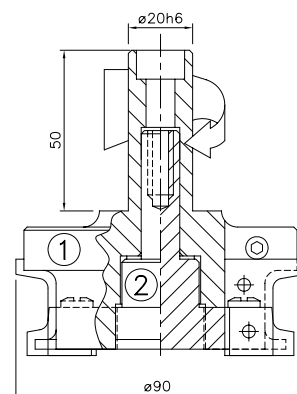
PUNTA PORTACOLTELLI SAGOMATA A DUE ELEMENTI PER SQUADRARE E CONTORNARE CON RAGGIO O SMUSSO PER SPESSORI REGOLABILI CON ATTACCO Ø 20X50 A Z=2



ADJUSTABLE INSERT SHANK CUTTER WITH PROFILED KNIVES Z=2, FOR SQUARING AND PROFILING OF RADIUS OR CHAMFERS, ASSEMBLED IN TWO PIECES ON SHANK Ø 20X50



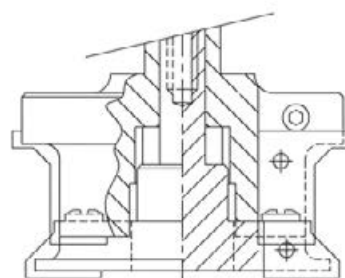
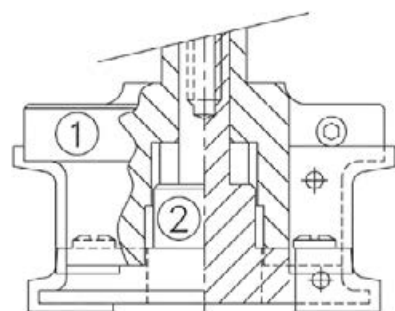
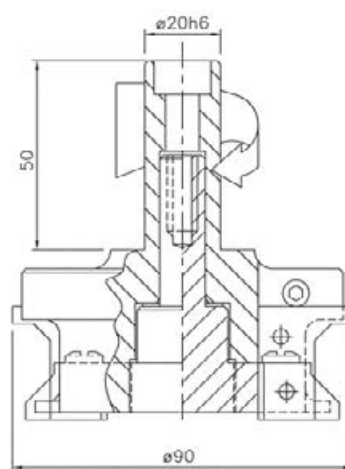
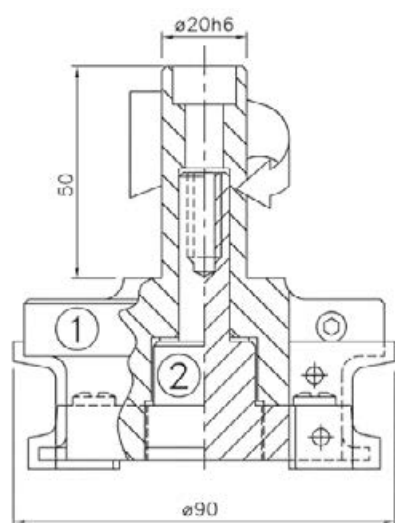
ARTICOLO ITEM	DESCRIZIONE DESCRIPTION	
3.46A/1	Punta portacolteLLi sagomata Ø 90x30	
3.46A/2	Punta portacolteLLi sagomata Ø 80x15	
	RICAMBI:	
4.121/1x30	Coltello hm sagomato mm.30x25x2	R=1
4.121/2x30		R=2
4.121/3x30		R=3
4.121/4x30		R=4
4.121/5x30		R=5
4.121/1x15	Coltello hm sagomato mm.15x20x2	R=1
4.121/2x15		R=2
4.121/3x15		R=3
4.121/4x15		R=4
4.121/5x15		R=5
4.121/30x1	Coltello hm sagomato mm.30x25x2	30x1x45°
4.121/30x2		30x2x45°
4.121/30x3		30x3x45°
4.121/30x4		30x4x45°
4.121/30x5		30x5x45°
4.121/15x1	Coltello hm sagomato mm.15x20x2	15x1x45°
4.121/15x2		15x2x45°
4.121/15x3		15x3x45°
4.121/15x4		15x4x45°
4.121/15x5		15x5x45°



art. 3.46A

SCHEMA DI LAVORAZIONE WORKING DIAGRAM

Punte porta coltelli
Insert knives cutter heads



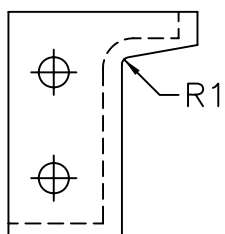
SEGUE RICAMBI
EXAMPLE TO FOLLOW



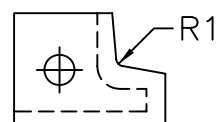
art. 3.46A

RICAMBI
SPARE PARTS

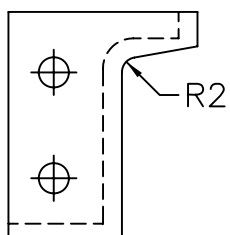
4.121/1X30



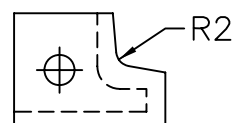
4.121/1X15



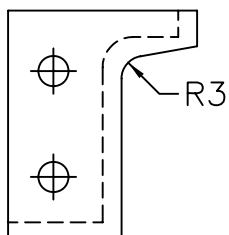
4.121/2X30



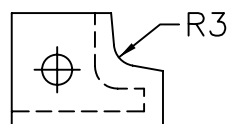
4.121/2X15



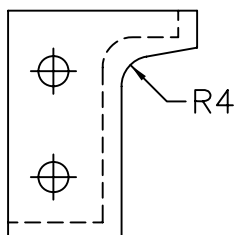
4.121/3X30



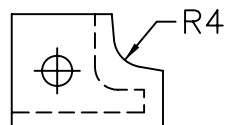
4.121/3X15



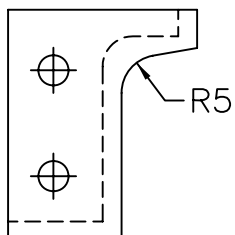
4.121/4X30



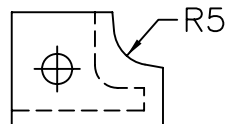
4.121/4X15



4.121/5X30



4.121/5X15

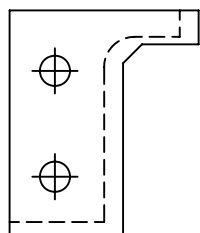


art. 3.46A

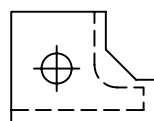
RICAMBI
SPARE PARTS

Punte porta coltelli
Insert knives cutter heads

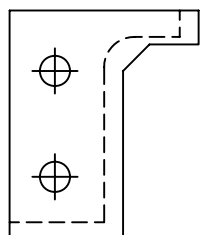
4.121/30X1



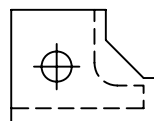
4.121/15X1



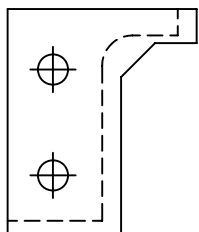
4.121/30X2



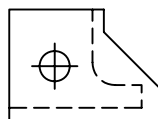
4.121/15X2



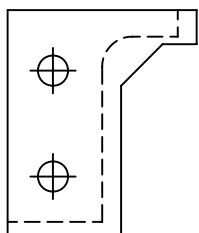
4.121/30X3



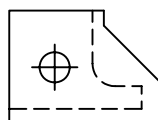
4.121/15X3



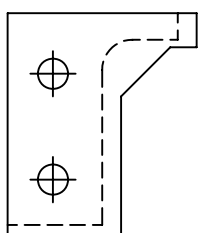
4.121/30X4



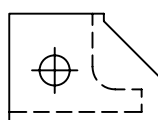
4.121/15X4



4.121/30X5



4.121/15X5



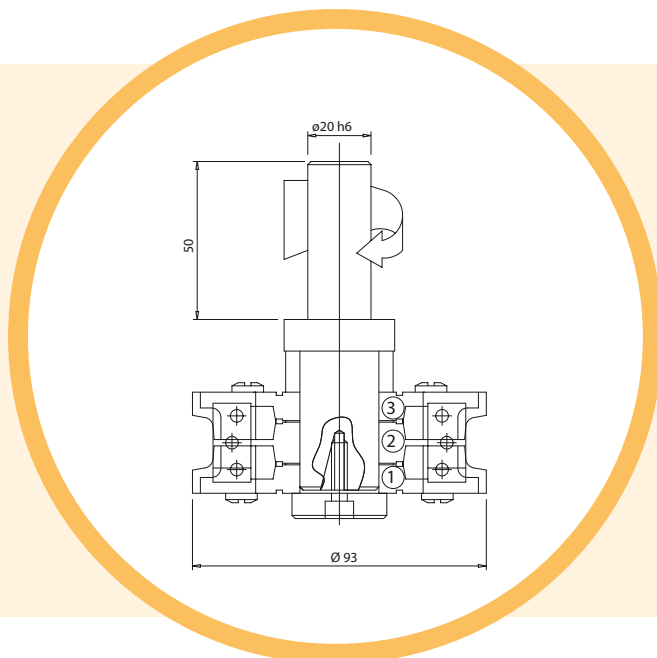
art. 3.46B



PUNTA PORTACOLTELLI SAGOMATA A TRE ELEMENTI PER SQUADRARE E CONTORNARE CON RAGGIO O SMUSSO PER SPESSORI REGOLABILI CON ATTACCO Ø 20X50 SU MANDRINO A Z=2



ADJUSTABLE INSERT SHANK CUTTER , Z=2 PROFILED KNIVES FOR SQUARING AND PROFILING RADIUS OR CHAMFERS, ASSEMBLED IN THREE PIECES ON SPINDLE WITH SHANK Ø 20X50

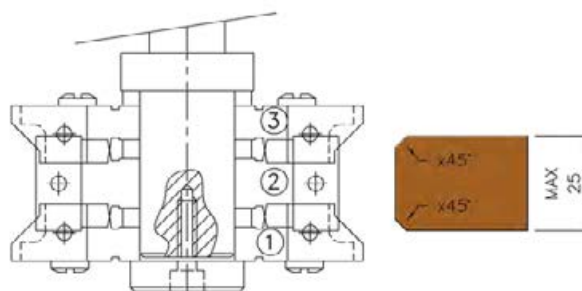
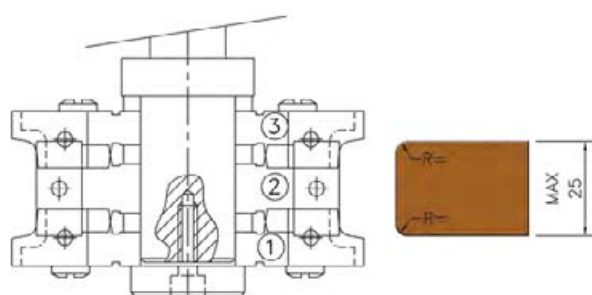
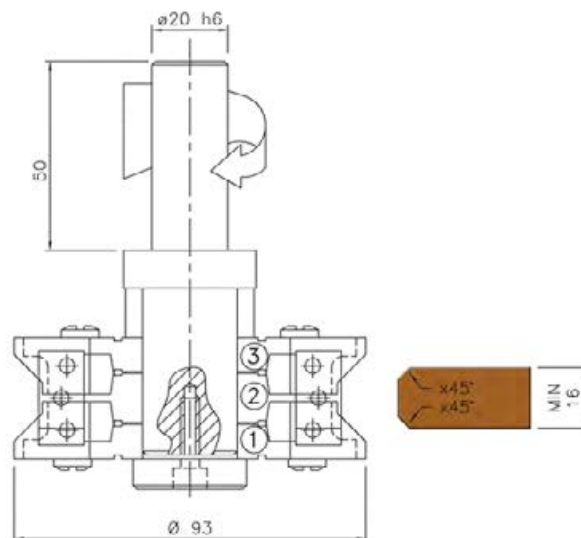
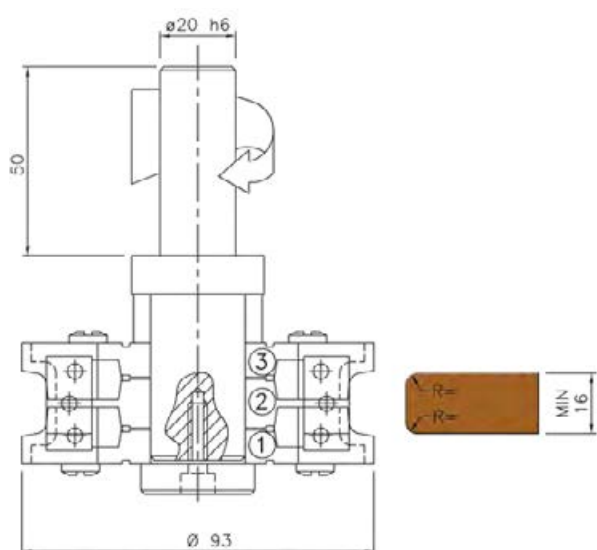


ARTICOLO ITEM	DESCRIZIONE DESCRIPTION	
3.46B1-B3	Punta portacoltelli sagomata Ø 94x15	
3.46B2	Punta portacoltelli Ø 80X25	
5.42	Mandrino porta-utensili per pantografo con attacco Ø20-25	
	RICAMBI:	
4.122/1x15dx	Coltello hm sagomato mm.15x20x2	R=1
4.122/2x15dx		R=2
4.122/3x15dx		R=3
4.122/4x15dx		R=4
4.122/5x15dx		R=5
4.121/15x1dx		15x1x45°
4.121/15x2dx		15x2x45°
4.121/15x3dx		15x3x45°
4.121/15x4dx		15x4x45°
4.121/15x5dx		15x5x45°
4.122/1x15sx		R=1
4.122/2x15sx		R=2
4.122/3x15sx		R=3
4.122/4x15sx		R=4
4.122/5x15sx		R=5
4.122/15x1sx		15x1x45°
4.122/15x2sx		15x2x45°
4.122/15x3sx		15x3x45°
4.122/15x4sx		15x4x45°
4.122/15x5sx		15x5x45°
4.11/25x12x1,5	Coltello hm mm.25x12x1,5	25/12x1,5

art. 3.46B

SCHEMA DI LAVORAZIONE WORKING DIAGRAM

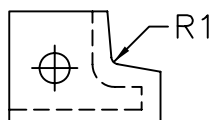
Punte porta coltelli
Insert knives cutter heads



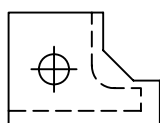
art. 3.46B

RICAMBI
SPARE PARTS

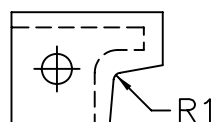
4.122/1X5SX



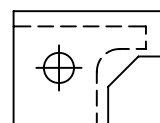
4.122/15X1SX



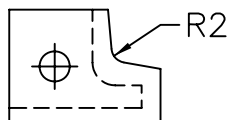
4.122/1X15DX



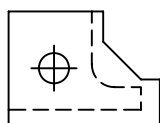
4.122/15X1DX



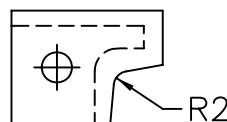
4.122/2X15SX



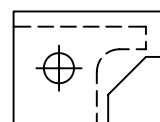
4.122/15X2SX



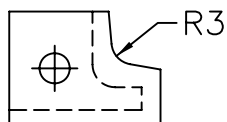
4.122/2X15DX



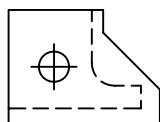
4.122/15X2DX



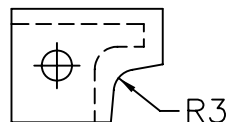
4.122/3X15SX



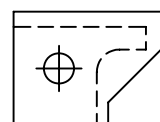
4.122/15X3SX



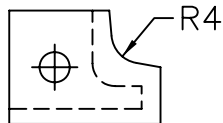
4.122/3X15DX



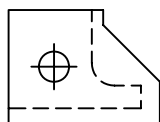
4.122/15X3DX



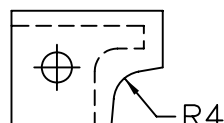
4.122/4X15SX



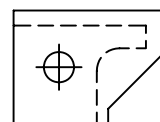
4.122/15X4SX



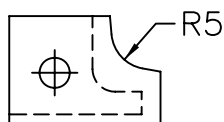
4.122/15X15DX



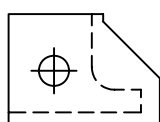
4.122/15X4DX



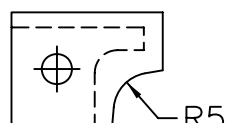
4.122/4X15SX



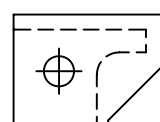
4.122/15X5SX



4.122/4X15DX



4.122/15X5DX



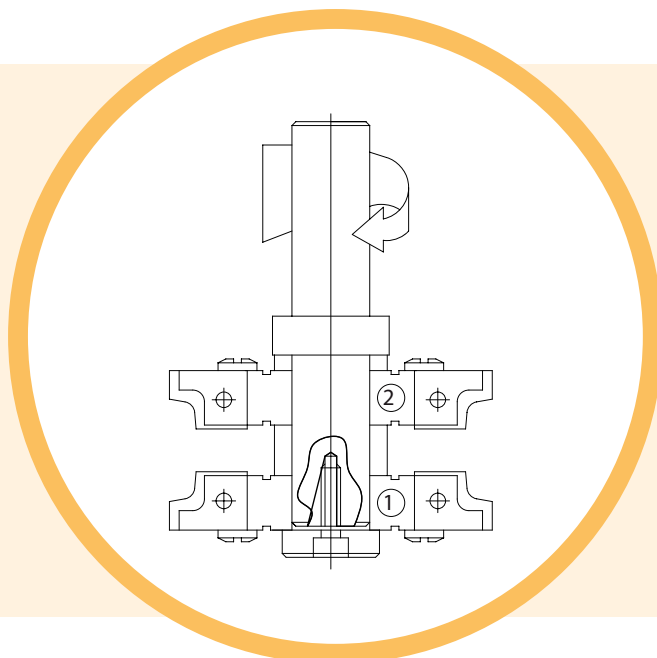
art. 3.48



PUNTA PORTACOLTELLI SAGOMATA A DUE ELEMENTI PER SQUADRATURA E CONTORNATURA DI PANNELLI A SPESSORE REGOLABILE PER ESEGUIRE RAGGIATURA O SMUSSO SU MANDRINO CON ATTACCO Ø 20X50 A Z=2



ADJUSTABLE INSERT SHANK CUTTER WITH PROFILED KNIVES Z=2, FOR FACING AND PROFILING RADIUS OR CHAMFERS, ASSEMBLED IN TWO PIECES ON SPINDLE WITH SHANK Ø 20X50



Punte porta coltelli
Insert knives cutter heads

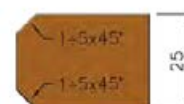
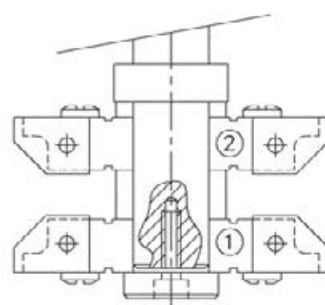
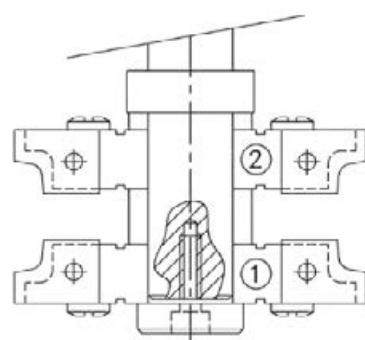
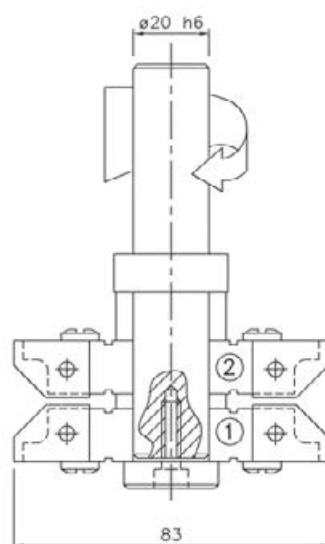
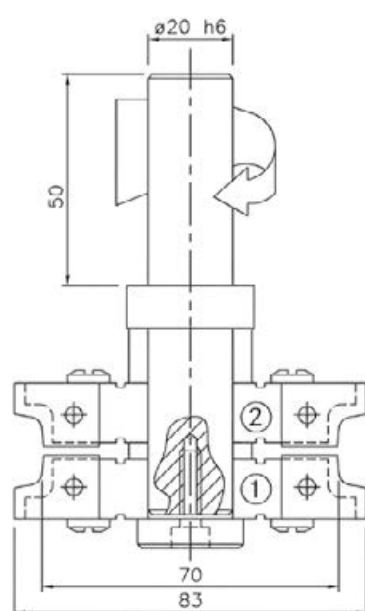
ARTICOLO ITEM	DESCRIZIONE DESCRIPTION	
3.48/1-2	Punta portacoltelli sagomata Ø 83max	
	RICAMBI:	
4.125/1dx	Coltello hm sagomato mm.15x20x2	R=1
4.125/2dx		R=2
4.125/3dx		R=3
4.125/4dx		R=4
4.125/5dx		R=5
4.125/45dx		45°
4.125/1sx	Coltello hm sagomato mm.15x20x2	R=1
4.125/2sx		R=2
4.125/3sx		R=3
4.125/4sx		R=4
4.125/5sx		R=5
4.125/45sx		45°

● PER PUNTA CON PROFONDITÀ SAGOMA SUPERIORE A QUELLA INDICATA VEDI ART. 1.01

● FOR SHANK CUTTER WITH DEEPNESS OF THE PROFILE MORE THAN 1.5MM SEE ART. 1.01

art. 3.48

SCHEMA DI LAVORAZIONE WORKING DIAGRAM

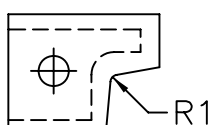


art. 3.48

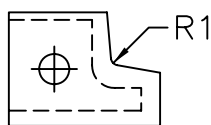
RICAMBI SPARE PARTS

Punte porta coltelli
Insert knives cutter heads

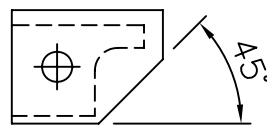
4.125/1 DX



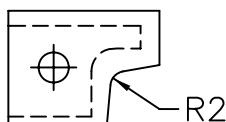
4.125/1 SX



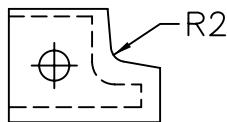
4.125/45 DX



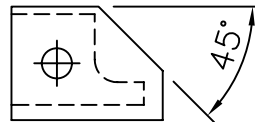
4.125/2 DX



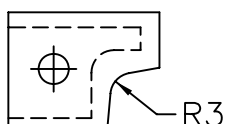
4.125/2 SX



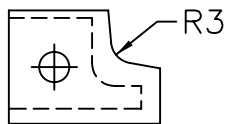
4.125/45 SX



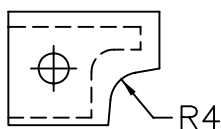
4.125/3 DX



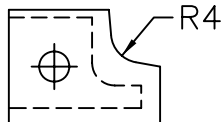
4.125/3 SX



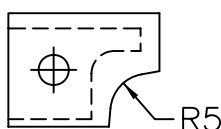
4.125/4 DX



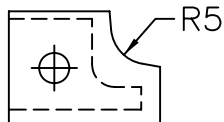
4.125/4 SX



4.125/5 DX



4.125/5 SX



art. 3.51



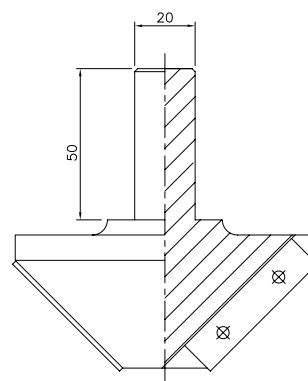
PUNTA PORTACOLTELLI PER SMUSSO 45°
CON ATTACCO Ø 20x50 A Z=2



45°CHAMFERING INSERT SHANK CUTTER
ON SHANK Ø 20X50 Z=2



ARTICOLO ITEM	Ø	SPESSORE THICKNESS
3.51/100x50	100	50
3.51/110x60	110	60



art. 3.51A



PUNTA PER SMUSSI CON GRADI A RICHIESTA

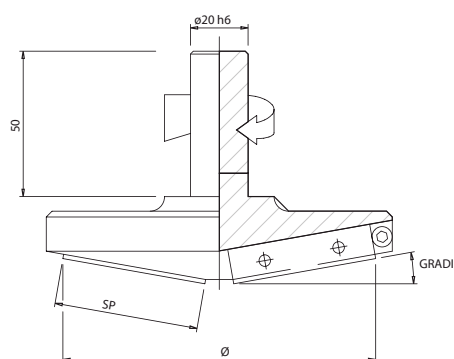


CHAMFERING INSERT SHANK CUTTER, DEGREES ON REQUEST



Punte porta coltelli
Insert knives cutter heads

ARTICOLO ITEM	Ø	SPESSORE THICKNESS
3.51A/100x50	100	50



art. 3.52



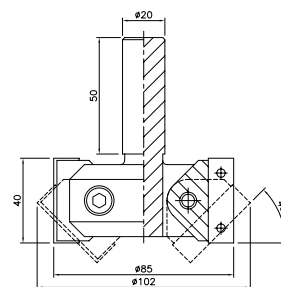
PUNTA PER SMUSSI INCLINABILE DA 0° A 45°
CON ATTACCO CILINDRICO Ø 20x50 A Z=2



CHAMFERING INSERT SHANK CUTTER, ADJUSTABLE
FROM 0° TO 45°, ON SHANK Ø 20x50 Z=2



ARTICOLO ITEM	Ø	SPESSORE THICKNESS	Z
3.52/85x40	85	40	2



art. 3.53



PUNTA PORTACOLTELLI PER INCISIONI O SMUSSI A 30°-45° CON ATTACCO Ø 20x50 Z=1

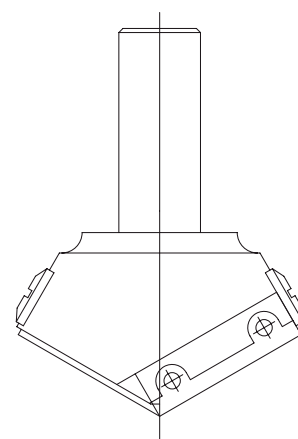


INSERT SHANK CUTTER FOR ENGRAVING OR CHAMFERING 30°- 45° ON SHANK Ø 20X50 Z=1



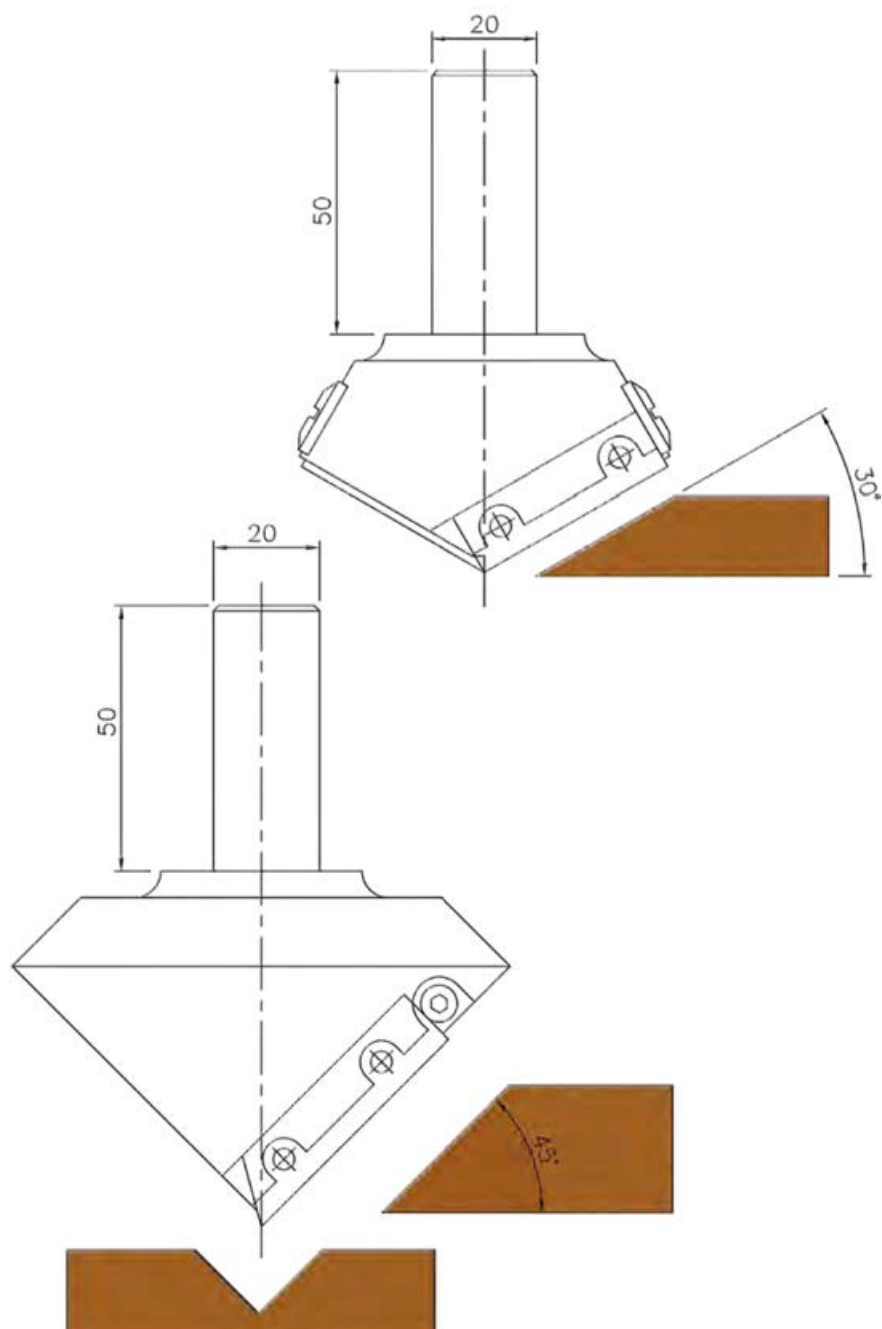
Punte porta coltelli
Insert knives cutter heads

ARTICOLO ITEM	Ø	SPESSORE THICKNESS	GRADI DEGREES
3.53/69x40	69	40	30°
3.53/42x30	42	30	45°
3.53/75x50	75	50	45°
3.53/52x40	52	40	45°



art. 3.53

SCHEMA DI LAVORAZIONE WORKING DIAGRAM



art. 3.54



**PUNTA PORTACOLTELLI SAGOMATA PER INCISIONI
O SMUSSI A 45° CON ATTACCO Ø 20x50 TIPO
BITAGLIANTE**

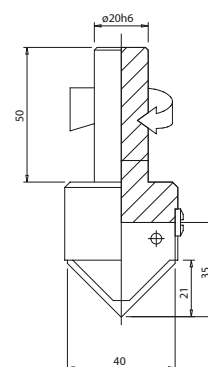


**PROFILED INSERT SHANK CUTTER FOR ENGRAVING OR
CHAMFERING 45°, Z=1 KNIFE WITH DOUBLE CUT ON SHANK
Ø 20X50**



Punte porta coltelli
Insert knives cutter heads

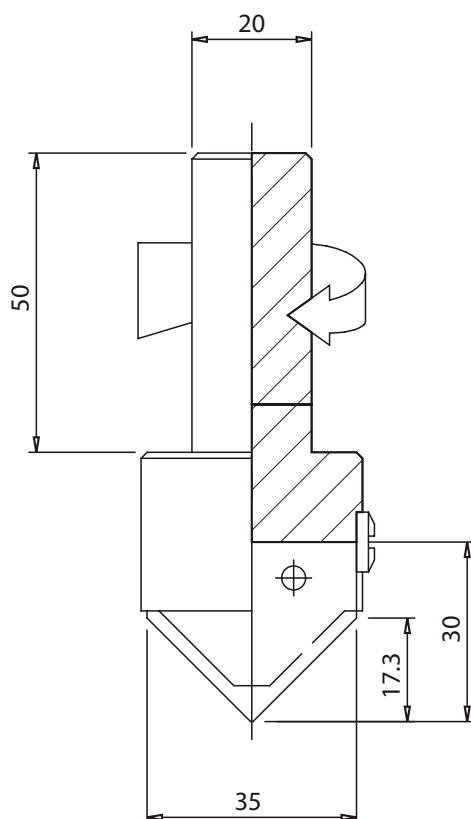
ARTICOLO ITEM	DESCRIZIONE DESCRIPTION
3.54/1	Punta portacoltelli sagomata Ø 35x30
	RICAMBI:
4.131/35	Coltello hm sagomato mm. 35x30x2
3.54/2	Punta portacoltelli sagomata Ø 40x35
	RICAMBI:
4.131/40	Coltello hm sagomato mm. 40x35x2
3.54/3	Punta portacoltelli sagomata Ø 50x35
	RICAMBI:
4.131/50	Coltello hm sagomato mm. 50x35x2
3.54/4	Punta portacoltelli sagomata Ø 60x40
	RICAMBI:
4.131/60	Coltello hm sagomato mm. 60x40x2



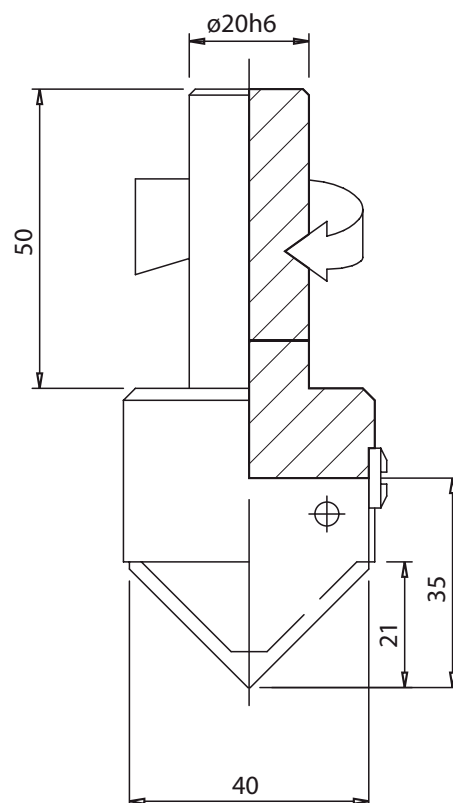
art. 3.54

SCHEMA DI LAVORAZIONE
WORKING DIAGRAM

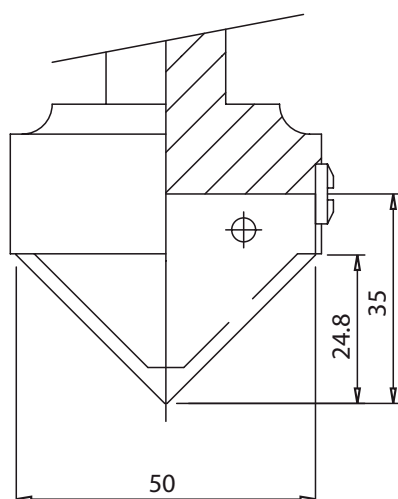
3.54/1



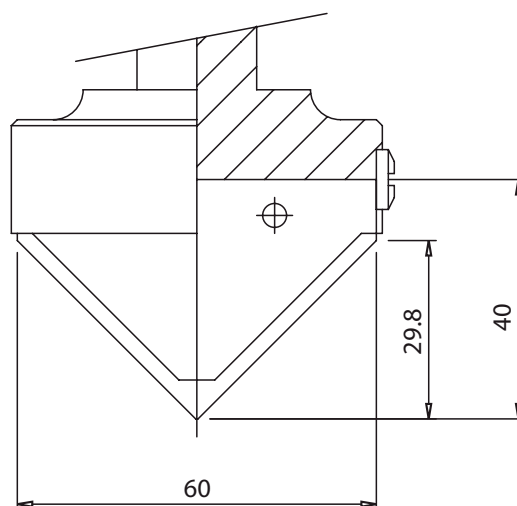
3.54/2



3.54/3



3.54/4



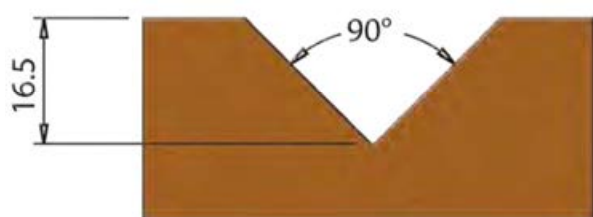
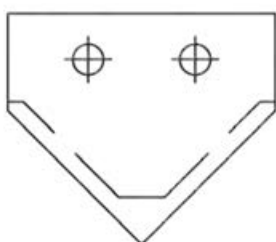
art. 3.54

PROFILO SCALA 1:1
PROFILE SCALE 1:1

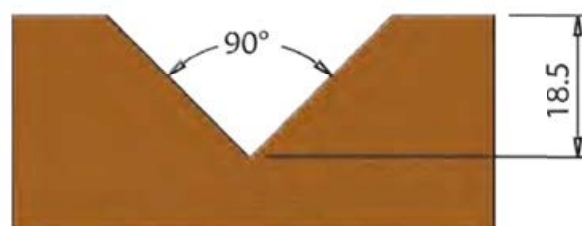
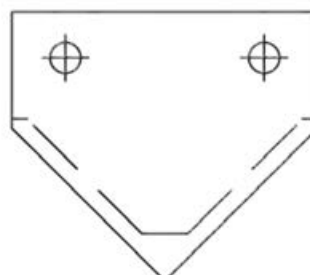
RICAMBI / SPARE PARTS

Punte porta coltelli
Insert knives cutter heads

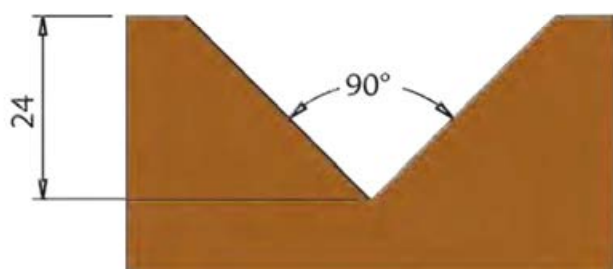
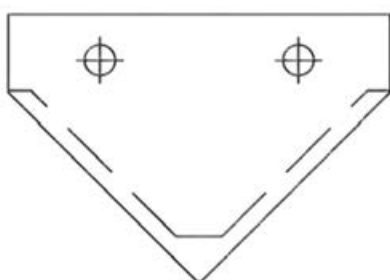
4.131/35



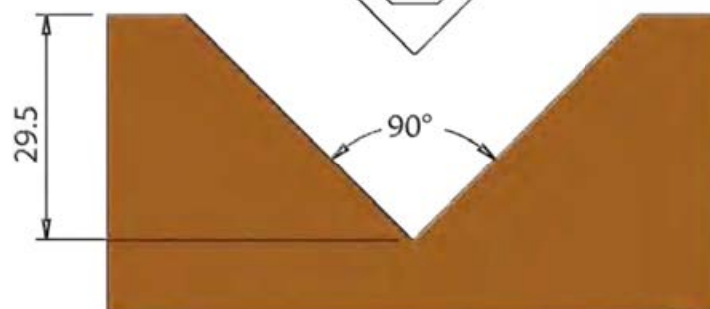
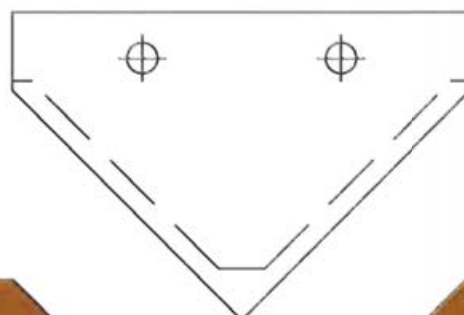
4.131/40



4.131/50



4.131/60



art. 3.54S



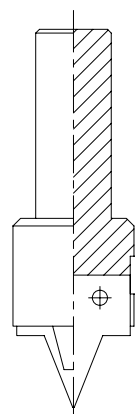
PUNTA PORTACOLTELLO SAGOMATA PER INCISIONI O SMUSSI CON GRADI A RICHIESTA ATTACCO Ø 20x50 TIPO BITAGLIENTE

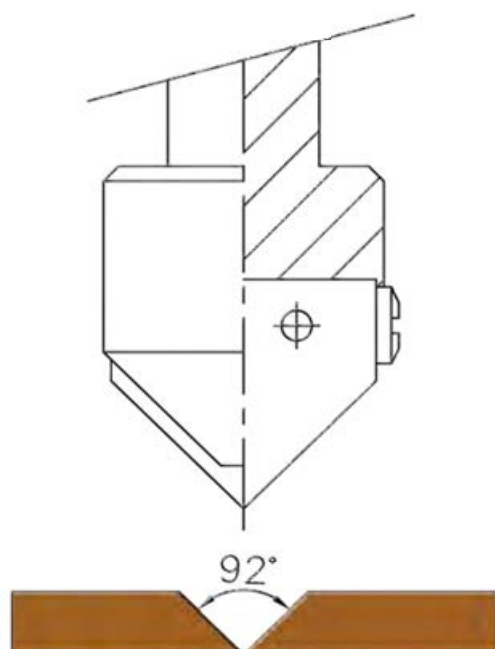
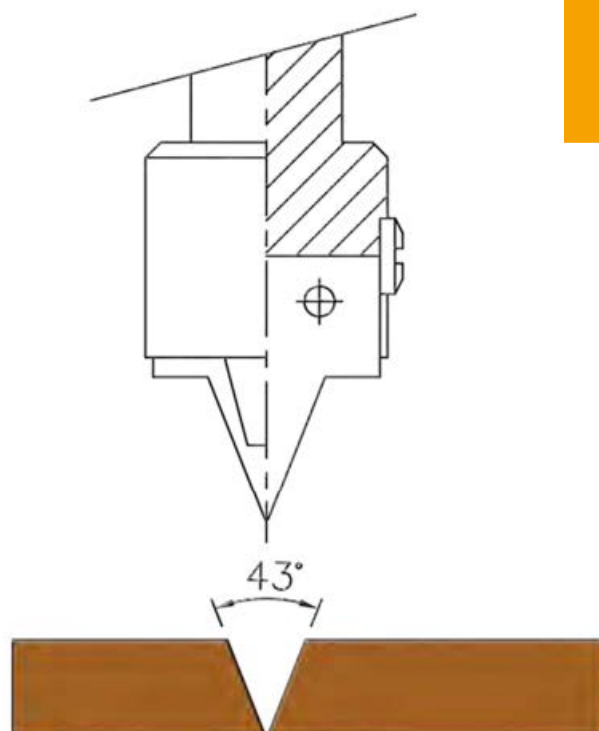
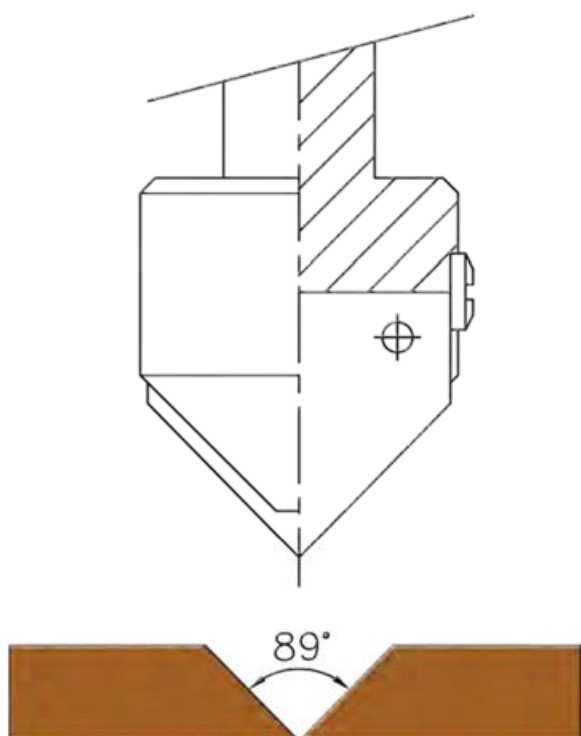


PROFILED INSERT SHANK CUTTER FOR ENGRAVING OR CHAMFERING, DEGREES ON REQUEST, Z=1 KNIFE WITH DOUBLE CUT, ON SHANK Ø 20X50



ARTICOLO ITEM	Ø	SPESSORE THICKNESS
3.54S/30x25	30	25
3.54S/30x30	30	30
3.54S/35x25	35	25
3.54S/35x30	35	30
3.54S/35x35	35	35
3.54S/40x25	40	25
3.54S/40x30	40	30
3.54S/40x35	40	35
3.54S/50x25	50	25
3.54S/50x30	50	30
3.54S/50x35	50	35
3.54S/50x40	50	40
3.54S/60x25	60	25
3.54S/60x30	60	30
3.54S/60x35	60	35
3.54S/60x40	60	40
3.54S/60x45	60	45





art. 3.56



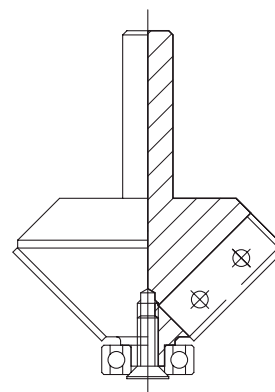
PUNTA PORTACOLTELLI SAGOMATA A RAGGIARE O
SMUSSARE CON CUSCINETTO ATTACCO Ø12x40 Z=2



CHAMFERING AND PROFILING INSERT SHANK CUTTER WITH
BEARING ON SHANK Ø 12X40 Z=2



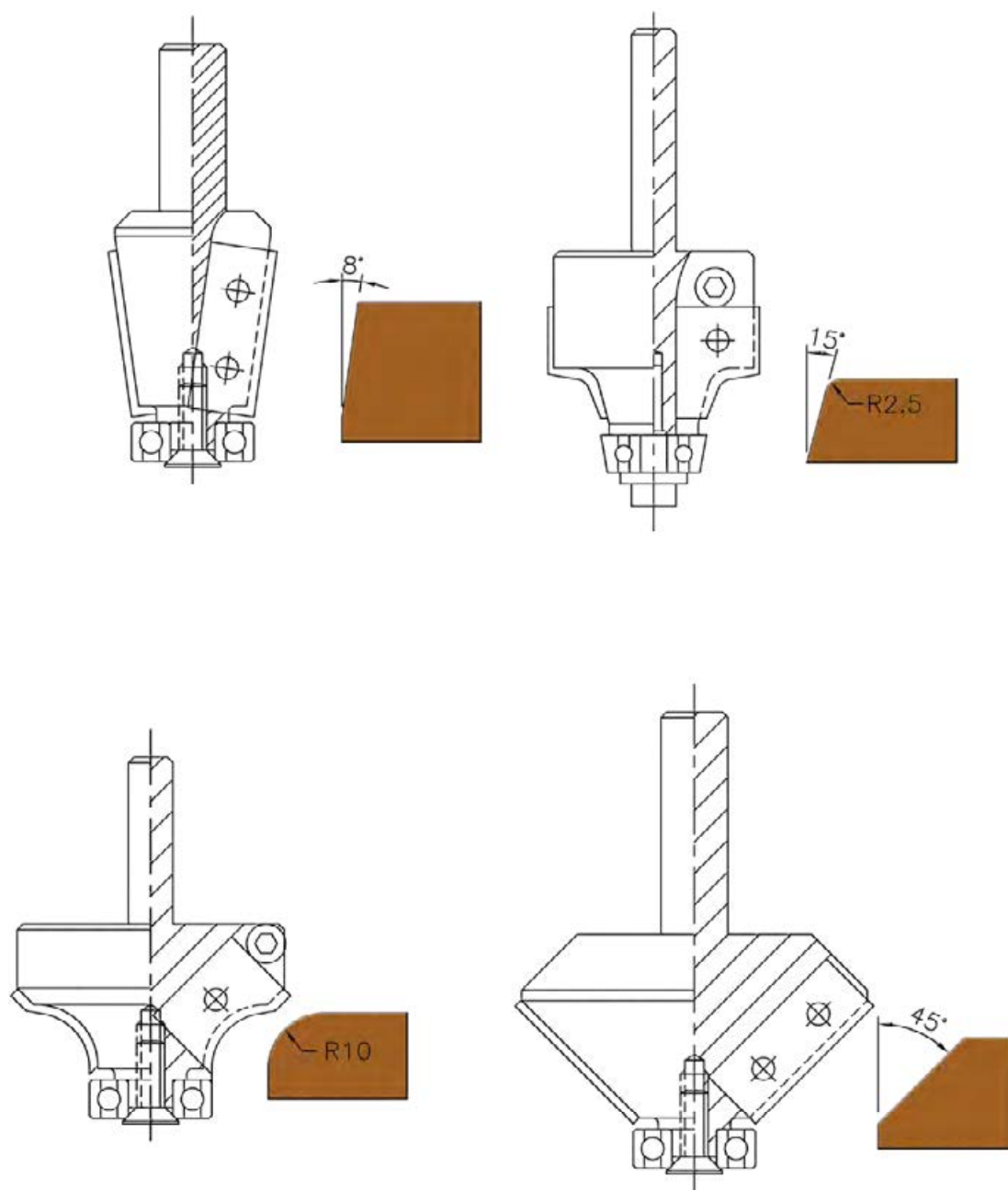
ARTICOLO ITEM	Ø	SPESSORE THICKNESS
3.56/30x30	30	30
3.56/38x20	38	20
3.56/50x20	50	20
3.56/64x30	64	30



art. 3.56

ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

Punte porta coltelli
Insert knives cutter heads



art. 3.61



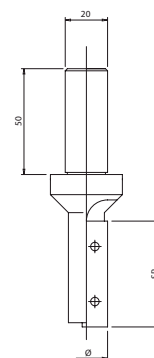
**PUNTA PORTACOLTELLI PER FORARE E CONTORNARE
CON ATTACCO Ø 20x50 Z=1**



**BORING AND ROUTING INSERT SHANK CUTTER Z=1 ON
SHANK Ø 20X50**



ARTICOLO ITEM	Ø	SPESSORE THICKNESS
3.61/12x20	12	20
3.61/12x30	12	30
3.61/14x20	14	20
3.61/14x30	14	30
3.61/16x30	16	30
3.61/16x40	16	40
3.61/16x50	16	50
3.61/18x30	18	30
3.61/18x40	18	40
3.61/18x50	18	50
3.61/20x30	20	30
3.61/20x40	20	40
3.61/20x50	20	50
3.61/20x60	20	60



art. 3.61A



**PUNTA PORTACOLTELLI PER FORARE E
CONTORNARE CON ATTACCO Ø 20x50 Z=2+1**

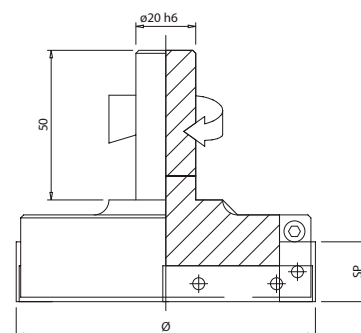


**BORING AND ROUTING INSERT SHANK CUTTER Z=2+1
ON SHANK Ø 20X50**



Punte porta coltelli
Insert knives cutter heads

ARTICOLO ITEM	Ø	SPESSORE THICKNESS
3.61A/30x30	30	30
3.61A/30x40	30	40
3.61A/30x50	30	50
3.61A/40x30	40	30
3.61A/40x40	40	40
3.61A/40x50	40	50
3.61A/50x30	50	30
3.61A/50x40	50	40
3.61A/50x50	50	50
3.61A/60x30	60	30
3.61A/60x40	60	40
3.61A/60x50	60	50



art. 3.61S



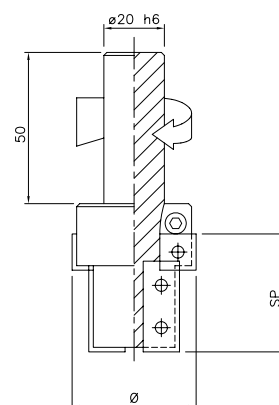
PUNTA PORTACOLTELLI PER FORARE O CONTORNARE A RICHIESTA CON ATTACCO Ø 20x50



BORING AND ROUTING INSERT SHANK CUTTER ON REQUEST, SHANK Ø 20X50



ARTICOLO ITEM	Ø	SPESSORE THICKNESS
3.61S/25÷60S20	25÷60	20
3.61S/25÷60S30	25÷60	30
3.61S/25÷60S40	25÷60	40
3.61S/25÷60S50	25÷60	50
3.61S/25÷60S60	25÷60	60
3.61S/25÷60S70	25÷60	70
3.61S/25÷60S80	25÷60	80



art. 3.62



PUNTA PORTACOLTELLI MULTITAGLIANTE A SGROSSARE
ATTACCO Ø 20x50 N° 4 DIVISIONI COLTELLINI
12X12X1,5

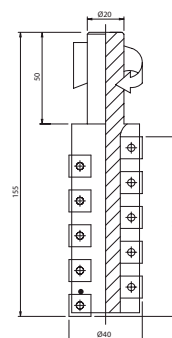


ROUGHING MULTICUTTING INSERT SHANK CUTTER, N° 4
DIVISIONS WITH KNIVES 12X12X1,5 ON SHANK Ø 20X50



Punte porta coltelli
 Insert knives cutter heads

ARTICOLO ITEM	Ø	SPESSORE THICKNESS
3.62/40x50	40	50
3.62/40x98	40	98



art. 3.63



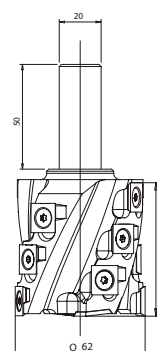
PUNTA PORTACOLTELLI MULTITAGLIANTE A SGROSSARE E FINIRE PER GRANDI ASPORTAZIONI CON ATTACCO Ø20X50



SPIRAL MULTICUTTING INSERT SHANK CUTTER FOR ROUGHING AND FINISHING, SHANK Ø 20X50



ARTICOLO ITEM	Ø	SPESSORE THICKNESS	Z
3.63/50x65	50	65	12+2 RASANTI
3.63/62x65	62	65	12+2 RASANTI
3.63/60x100	60	100	18+2 RASANTI



art. 3.64



**PUNTA PORTACOLTELLI A SQUADRARE E BATTENTARE
CON RAGGIO SOTTO AD ATTACCO Ø 20x50**

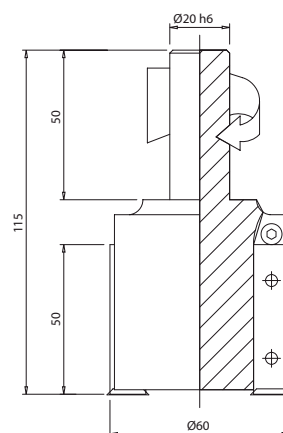


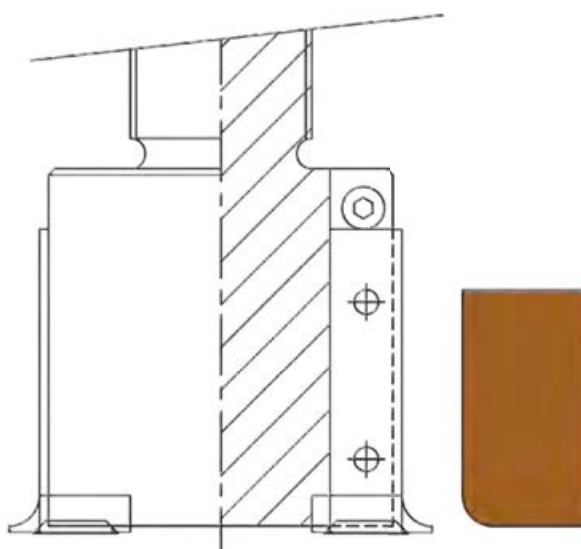
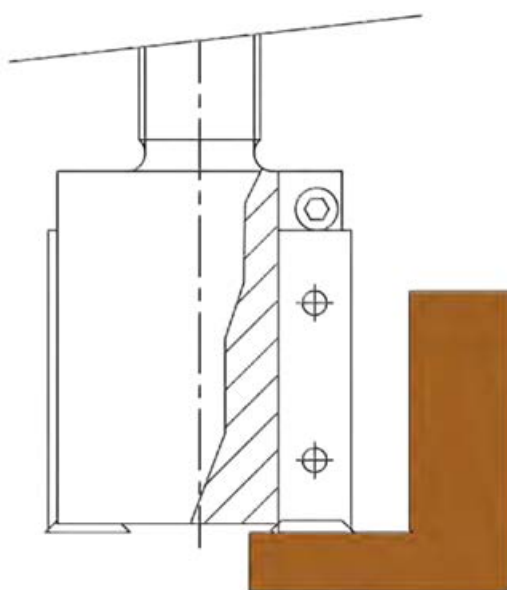
**REBATING AND FACING INSERT SHANK CUTTER, WITH RADIUS
ON THE LOWER PART, SHANK Ø 20X50**



Punte porta coltelli
Insert knives cutter heads

ARTICOLO ITEM	Ø	SPESSORE THICKNESS	Z
3.64/60x50R	60	50	2+2 RASANTI
3.64/60x50RS	60	50	2+2 RASANTI + 2 SPIGOLATORI





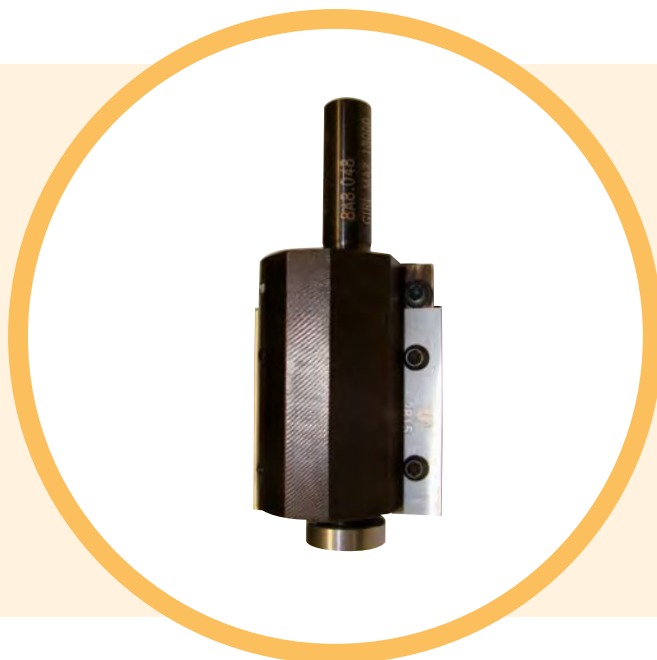
art. 3.65



PUNTA PORTACOLTELLI PER CONTORNARE CON
CUSCINETTO ATTACCO Ø12x40 Z=2

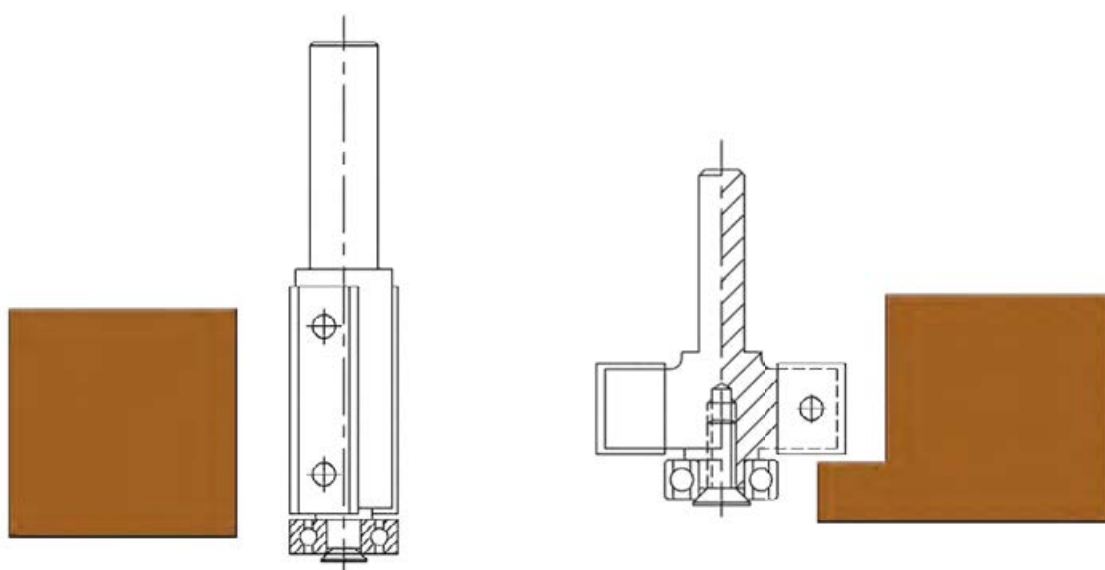
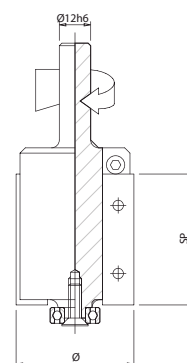


INSERT SHANK CUTTER FOR ROUTING WITH BEARING ON
SHANK Ø 12 X 40 Z=2



Punte porta coltelli
Insert knives cutter heads

ARTICOLO ITEM	Ø	SPESSORE THICKNESS
3.65/19x40	19	40
3.65/45x15	45	15
3.65/45x50	45	50



art. 3.67



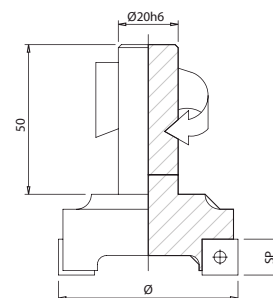
PUNTA PORTACOLTELLI A SPIANARE CON
ATTACCO Ø 20x50 A Z=3



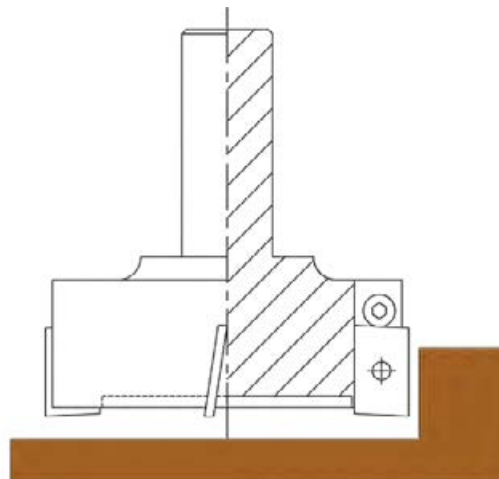
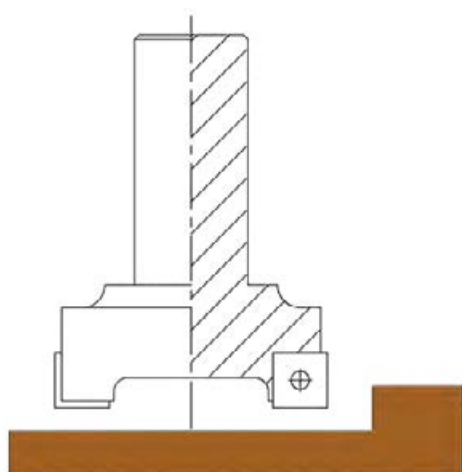
SURFACING INSERT SHANK CUTTER Z=3, SHANK Ø 20X50



ARTICOLO ITEM	Ø	SPESSORE THICKNESS
3.67/60x12	60	12
3.67/80x20	80	20



ESEMPIO DI LAVORAZIONE / WORKING EXAMPLE



art. 3.67A



PUNTA PORTACOLTELLI A SPIANARE CON ATTACCO
Ø 20x50 A Z=2+2 RASANTI PER MIGLIORE FINITURA
SULLA PARTE SOTTO DEL PANNELLO

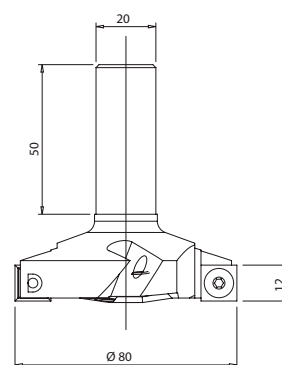


SURFACING INSERT SHANK CUTTER Z=2+V2, FOR BETTER
FINISHING ON THE LOWER PART OF THE PANEL, SHANK Ø
20X50



Punte porta coltelli
Insert knives cutter heads

ARTICOLO ITEM	Ø	SPESSORE THICKNESS
3.67A/80x12	80	12



art. 3.71



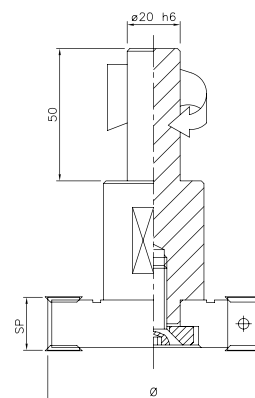
PUNTA PORTACOLTELLI PER CANALI SUL FIANCO DEL PANNELLO CON ATTACCO Ø 20x50 A Z=2+4 RASANTI



GROOVING INSERT SHANK CUTTER Z=2+V4 , WORKING ON THE EDGE OF THE PANEL, SHANK Ø 20X50



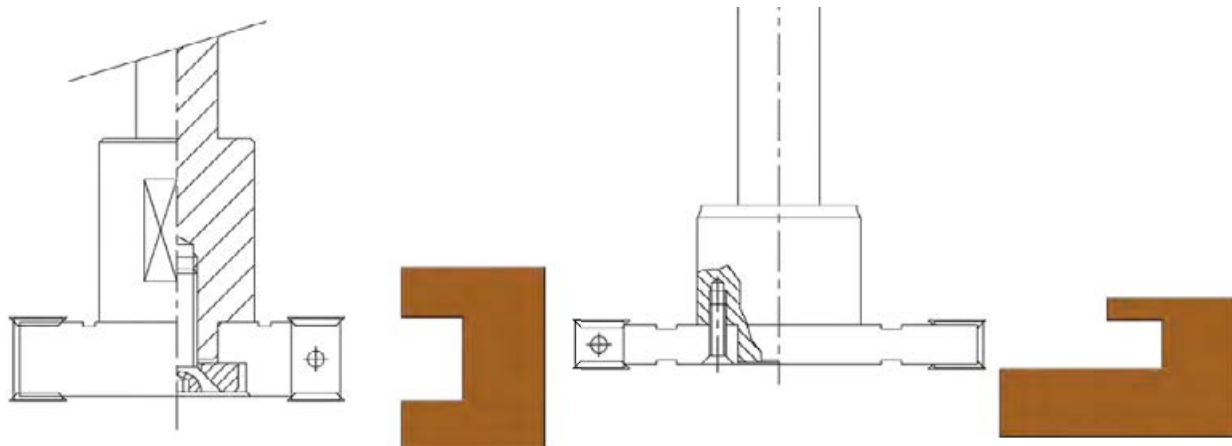
ARTICOLO ITEM	Ø	SPESSORE THICKNESS
3.71/80x20,4	80	20,4
3.71/100x12	100	12



- PER RICAMBI VEDI ART. 4.11
- PER MANDRINO VEDI ART. 5.42

- FOR SPARE PARTS KNIVES SEE ART. 4.11
- FOR SPINDLE SEE ART. 5.42

ESEMPIO DI LAVORAZIONE / WORKING EXAMPLE



art. 3.81



PUNTA PORTACOLTELLI PER FORO CERNIERA CON
ATTACCO Ø 10 A Z=2+2 RASANTI



HINGE BORING BIT WITH INSERT KNIVES Z=2+V2 ON SHANK
Ø 10



Punte porta coltelli
Insert knives cutter heads

ARTICOLO ITEM	Ø	SPESSORE THICKNESS
3.81/25x57,5	25	57,5
3.81/25x70	25	70
3.81/26x57,5	26	57,5
3.81/26x70	26	70
3.81/30x57,5	30	57,5
3.81/30x70	30	70
3.81/35x57,5	35	57,5
3.81/35x70	35	70
3.81/40x57,5	40	57,5
3.81/40x70	40	70

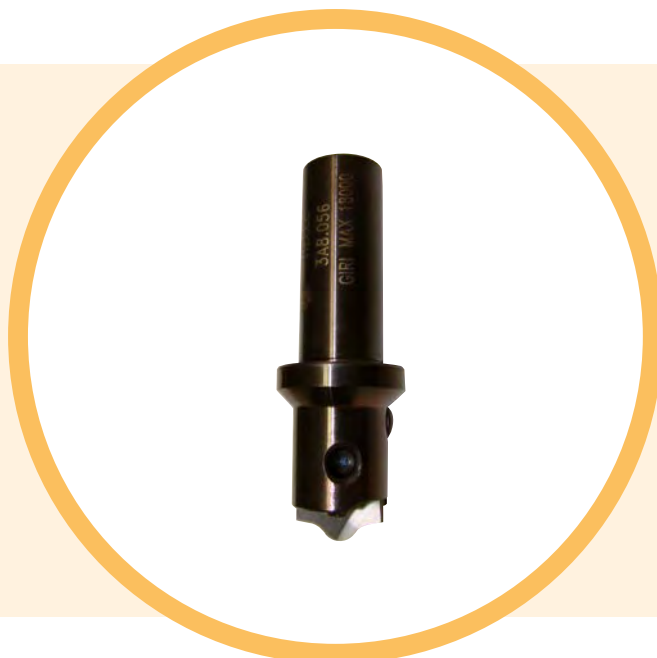
art. 3.101



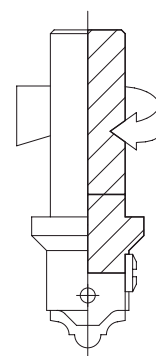
**PUNTA PORTACOLTELLI SAGOMATA MULTIPROFILI TIPO
BITAGLIANTE PER PROFILI INTERNI CON ATTACCO Ø
20x50**

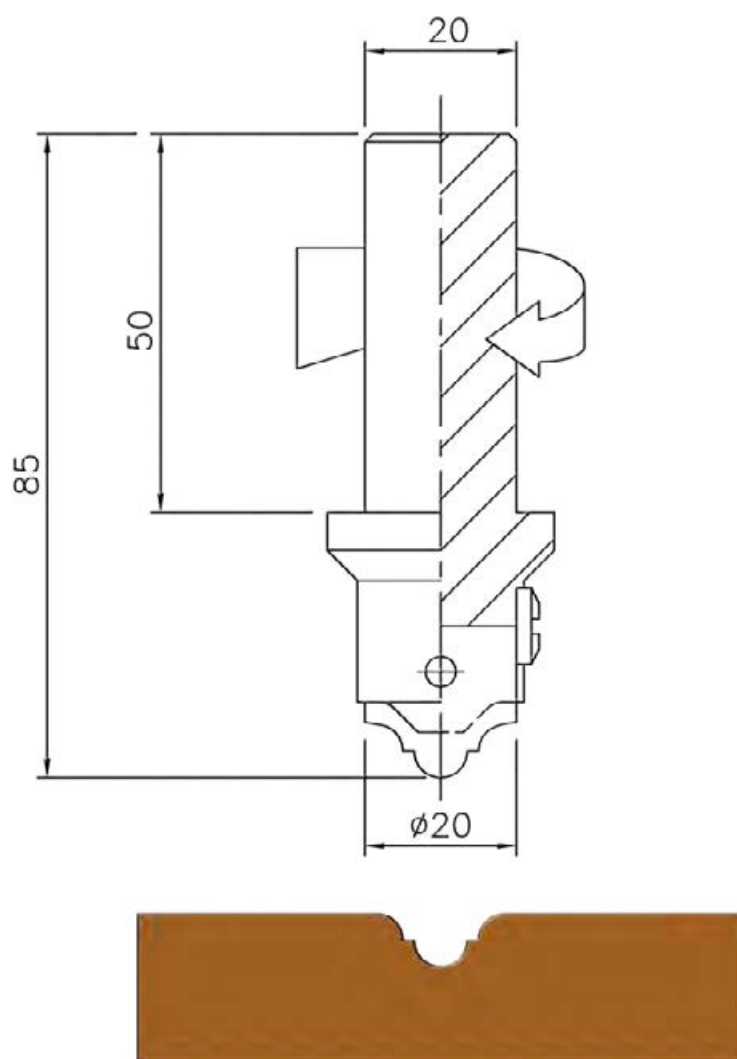


**MULTIPROFILED INSERT SHANK CUTTER FOR WORKING OF
INSIDE PROFILES, Z=1 PROFILED KNIFE WITH DOUBLE CUT, ON
SHANK Ø 20 X 50**



ARTICOLO ITEM	DESCRIZIONE DESCRIPTION
3101/1	Punta portacoltelli sagomata Ø 20x20
	RICAMBI:
4.1001/1	Coltello hm sagomato mm.20x20x2
4.1001/2	
4.1001/3	
4.1001/4	
4.1001/5	
4.1001/6	
4.1001/7	
4.1001/8	
4.1001/9	
4.1001/10	
4.1001/11	
4.1001/12	
4.1001/13	
4.1001/14	
4.1001/15	
4.1001/16	
4.1001/17	
4.1001/18	
4.1001/19	
4.1001/20	

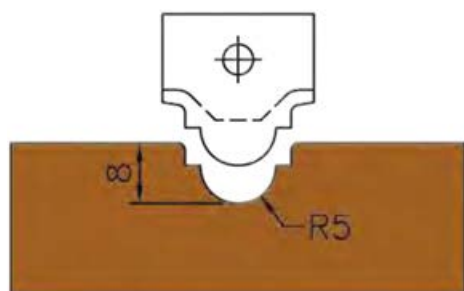




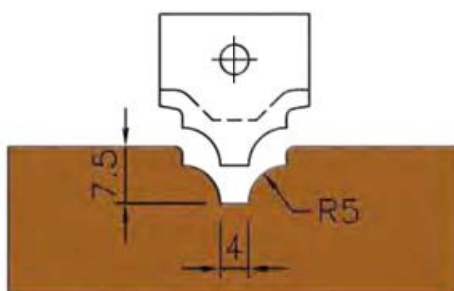
art. 3.101

RICAMBI SCALA 1:1
SPARE PARTS SCALE 1:1

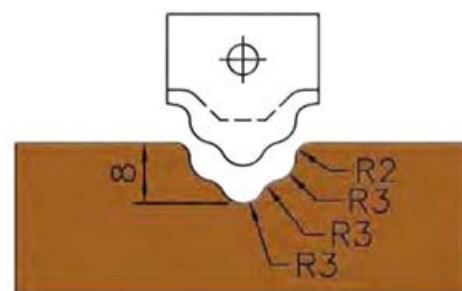
4.1001/1



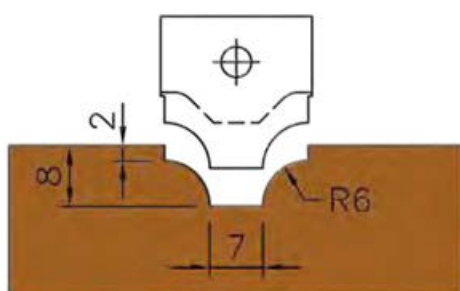
4.1001/2



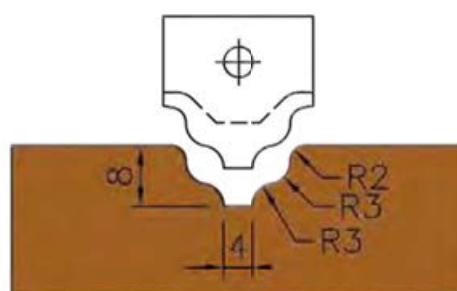
4.1001/3



4.1001/4



4.1001/5

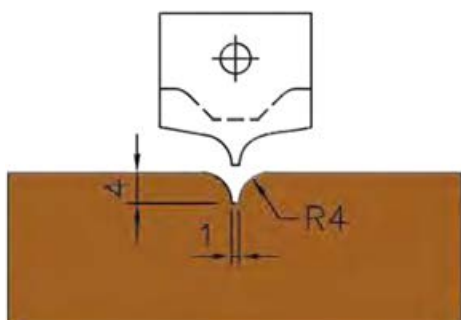


art. 3.101

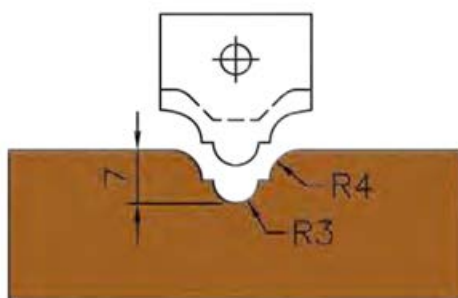
RICAMBI SCALA 1:1
SPARE PARTS SCALE 1:1

Punte porta coltelli
Insert knives cutter heads

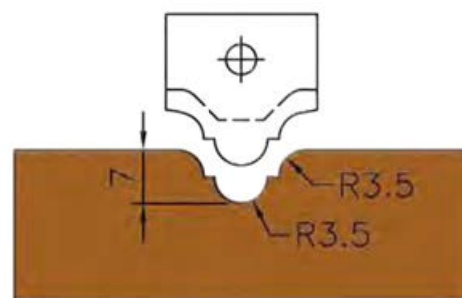
4.1001/6



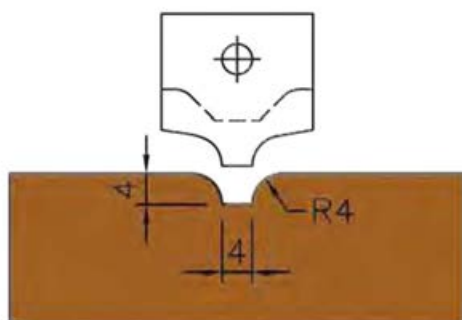
4.1001/7



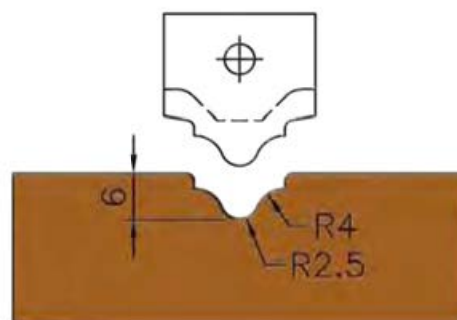
4.1001/8



4.1001/9



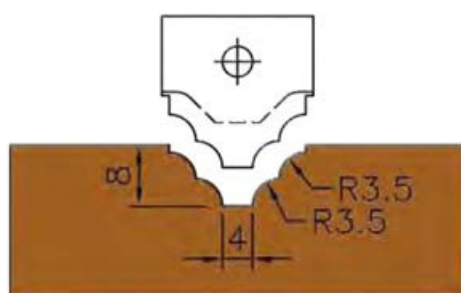
4.1001/10



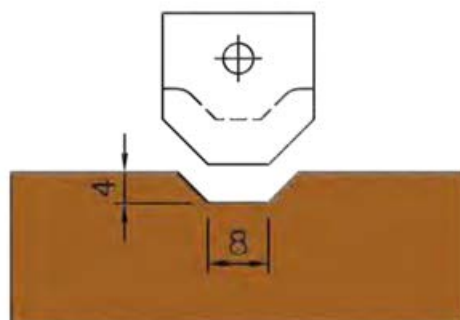
art. 3.101

RICAMBI SCALA 1:1
SPARE PARTS SCALE 1:1

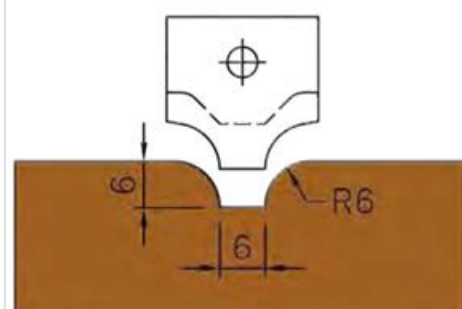
4.1001/11



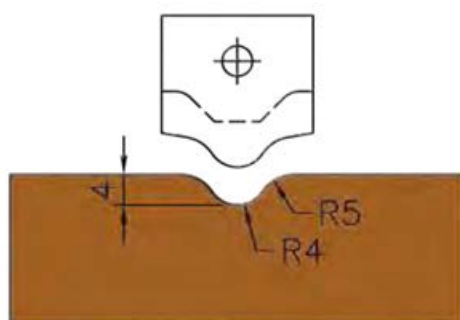
4.1001/12



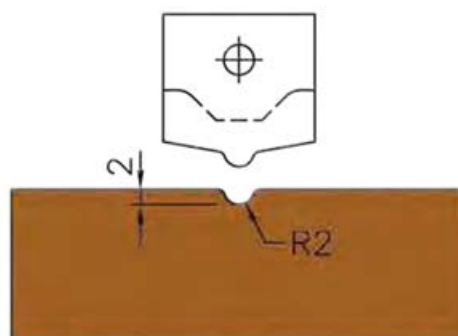
4.1001/13



4.1001/14



4.1001/15

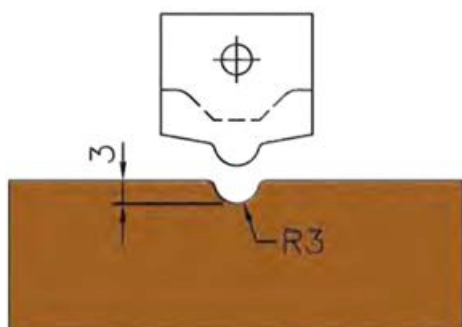


art. 3.101

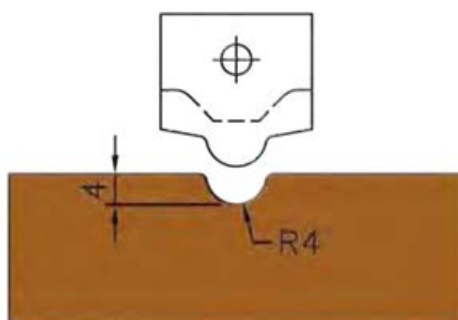
RICAMBI SCALA 1:1
SPARE PARTS SCALE 1:1

Punte porta coltelli
Insert knives cutter heads

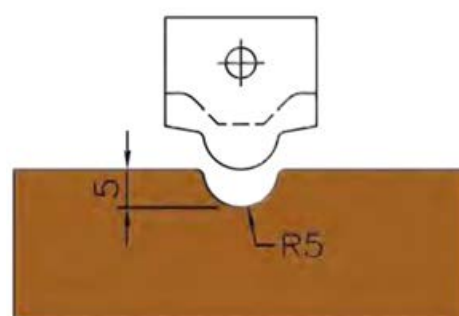
4.1001/16



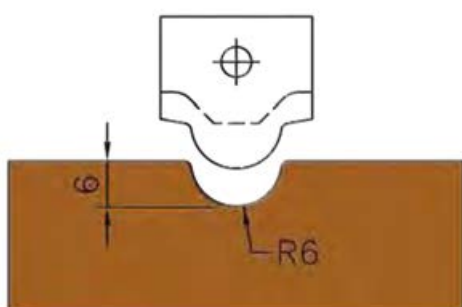
4.1001/17



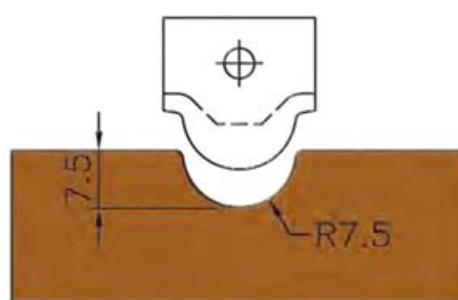
4.1001/18



4.1001/19



4.1001/20



art. 3.111



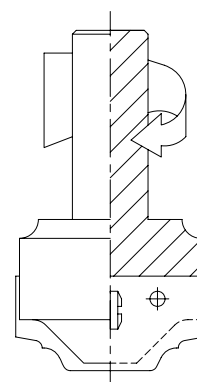
PUNTA PORTACOLTELLI SAGOMATA MULTIPROFILI PER LAVORAZIONI INTERNE CON ATTACCO Ø20x50 A Z=2

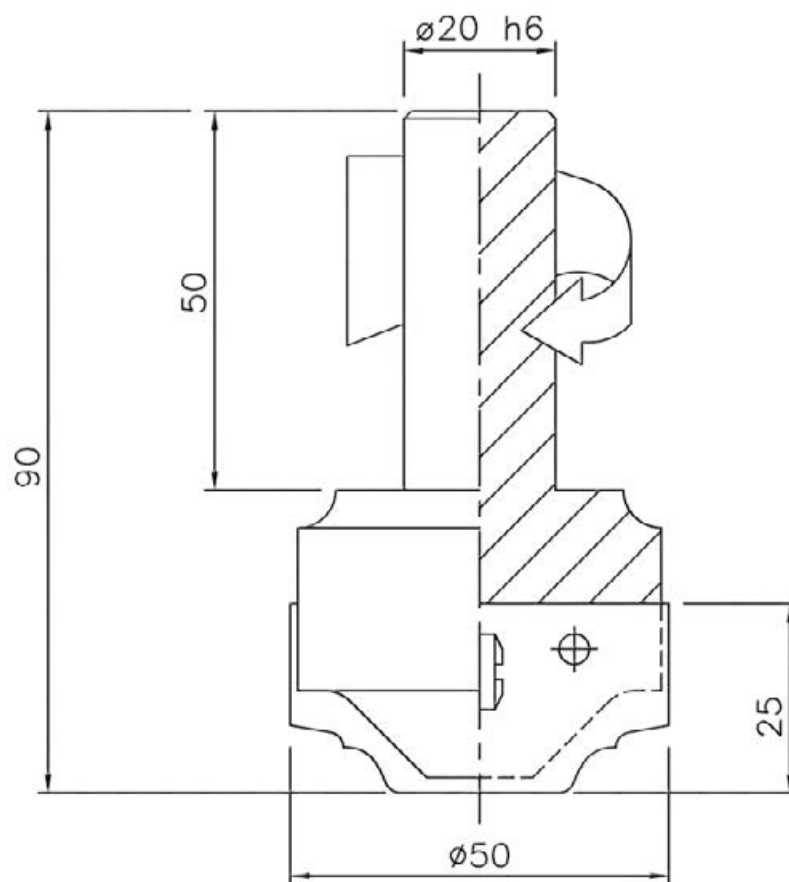


MULTIPROFILED INSERT SHANK CUTTER FOR WORKING OF INSIDE PROFILES, Z=2 PROFILED KNIVES, ON SHANK Ø 20X50



ARTICOLO ITEM	DESCRIZIONE DESCRIPTION
3.111/1	Punta portacoltelli sagomata Ø 50x25
	RICAMBI:
4.1011/1	Coltello hm sagomato mm.25x25x2
4.1011/2	
4.1011/3	
4.1011/4	
4.1011/5	
4.1011/6	
4.1011/7	
4.1011/8	

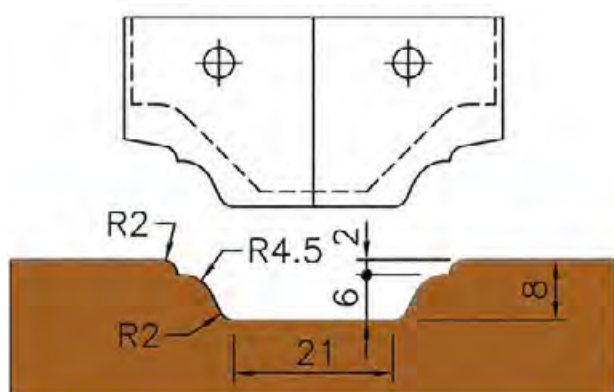




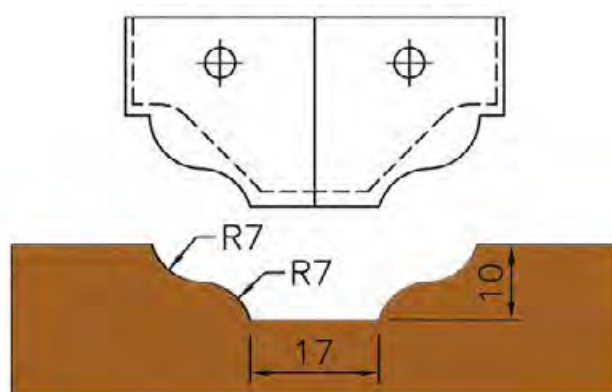
art. 3.111

RICAMBI SCALA 1:1
SPARE PARTS SCALE 1:1

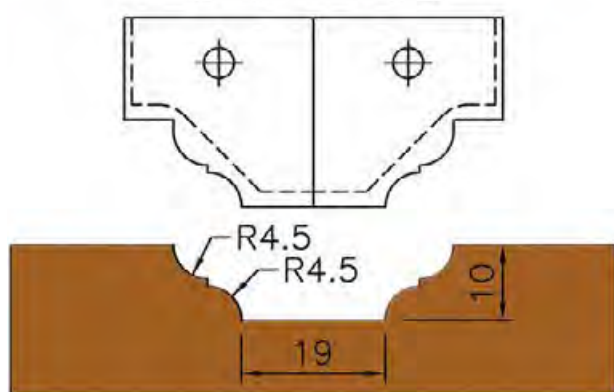
4.1011/1



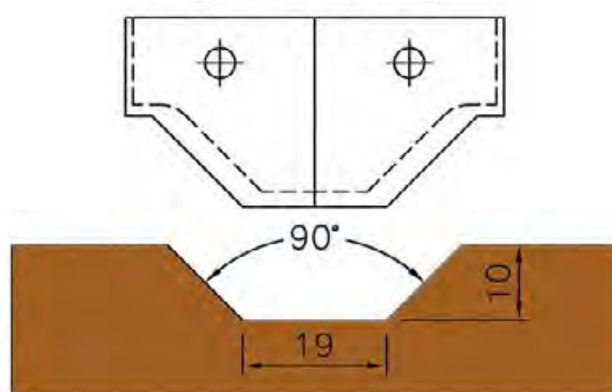
4.1011/2



4.1011/3



4.1011/4

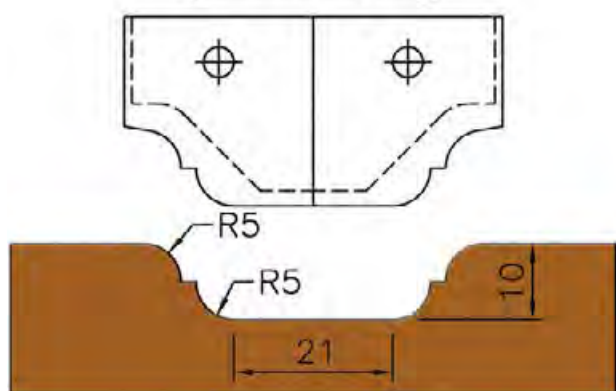


art. 3.111

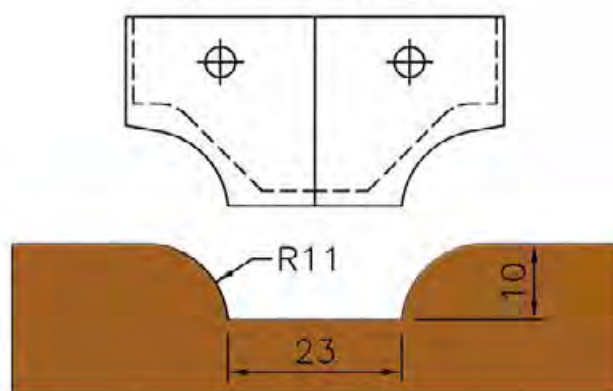
RICAMBI SCALA 1:1
SPARE PARTS SCALE 1:1

Punte porta coltelli
Insert knives cutter heads

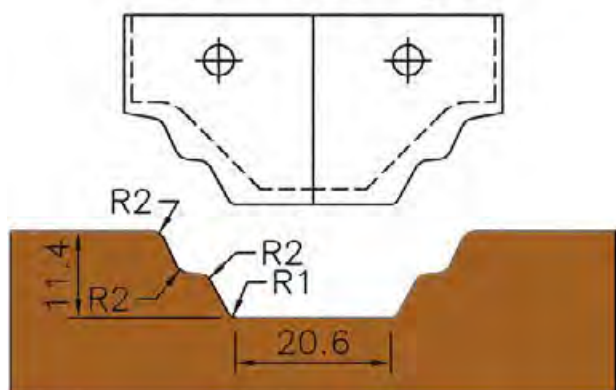
4.1011/5



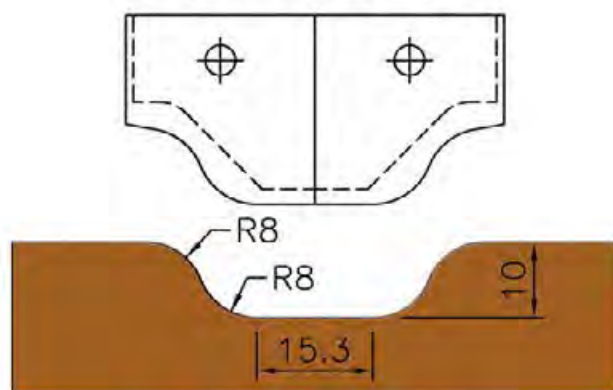
4.1011/6



4.1011/7



4.1011/8



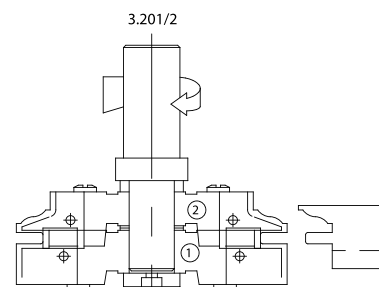
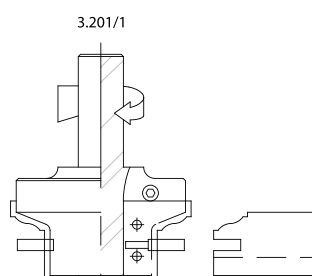
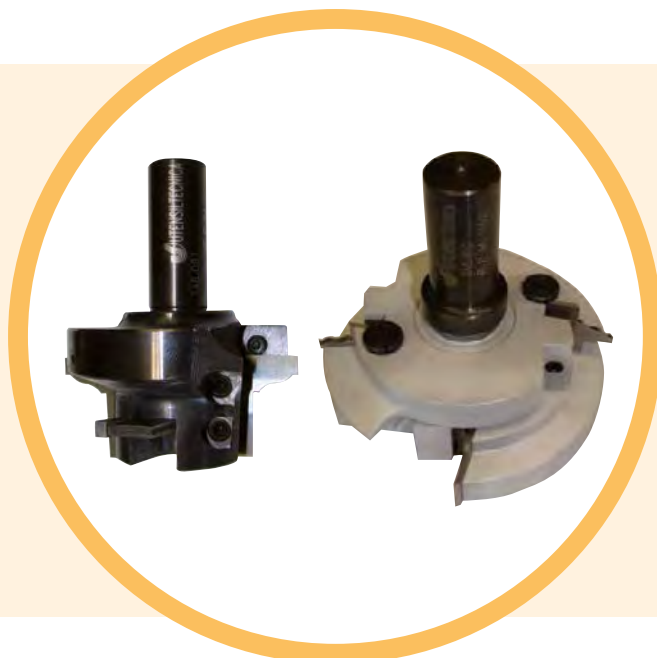
art. 3.201



PUNTA PORTACOLTELLI SAGOMATA MONTATA SU MANDRINO PER SAGOMA E CONTROSAGOMA DI ANTINE



PROFIED INSERT SHANK CUTTER FOR PROFILE AND COUNTERPROFILE OF CABINET DOORS MOUNTED ON SPINDLE

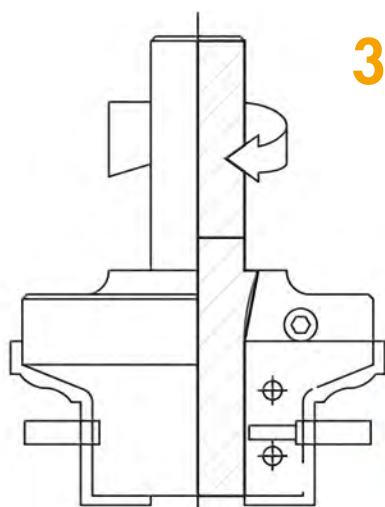
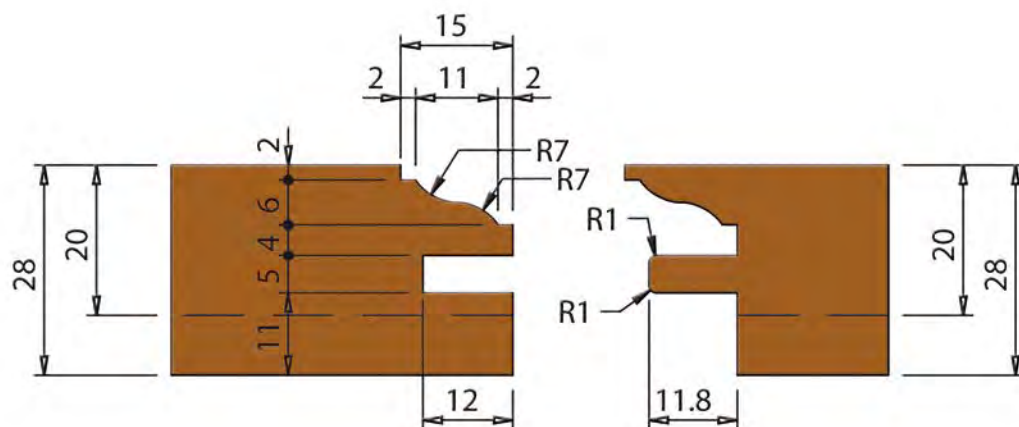


ARTICOLO ITEM	Ø	SPESSORE THICKNESS	ATTACCO SHANK	Z
3.201/01	80	35	20x50	2 + (2 colt.vetro)
3.201/02	120	25+25	25x50	2+2

art. 3.201

PROFILO SCALA 1:1
PROFILE SCALE 1:1

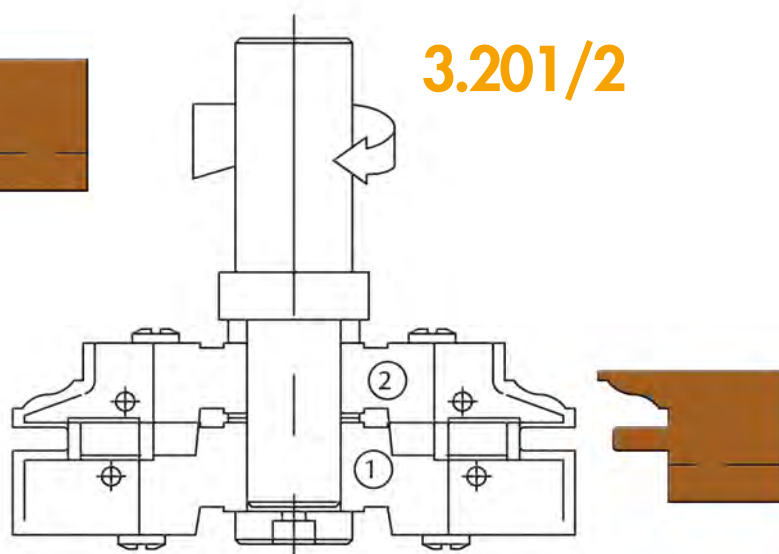
Punte porta coltelli
Insert knives cutter heads



3.201/1



3.201/2



art. 3.501



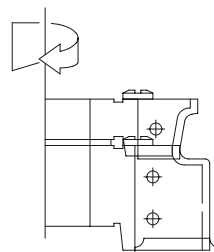
PUNTA PORTACOLTELLI MONTATA SU MANDRINO PER
SQUADRATURA PORTE A Z=2



INSERT SHANK CUTTER FOR DOORS SQUARING Z=2,
MOUNTED ON SPINDLE



ARTICOLO ITEM	Ø	SPESSORE THICKNESS	PROFILO PROFILE
3.501/120	120	MAX	1
3.501/130	130	MAX	2

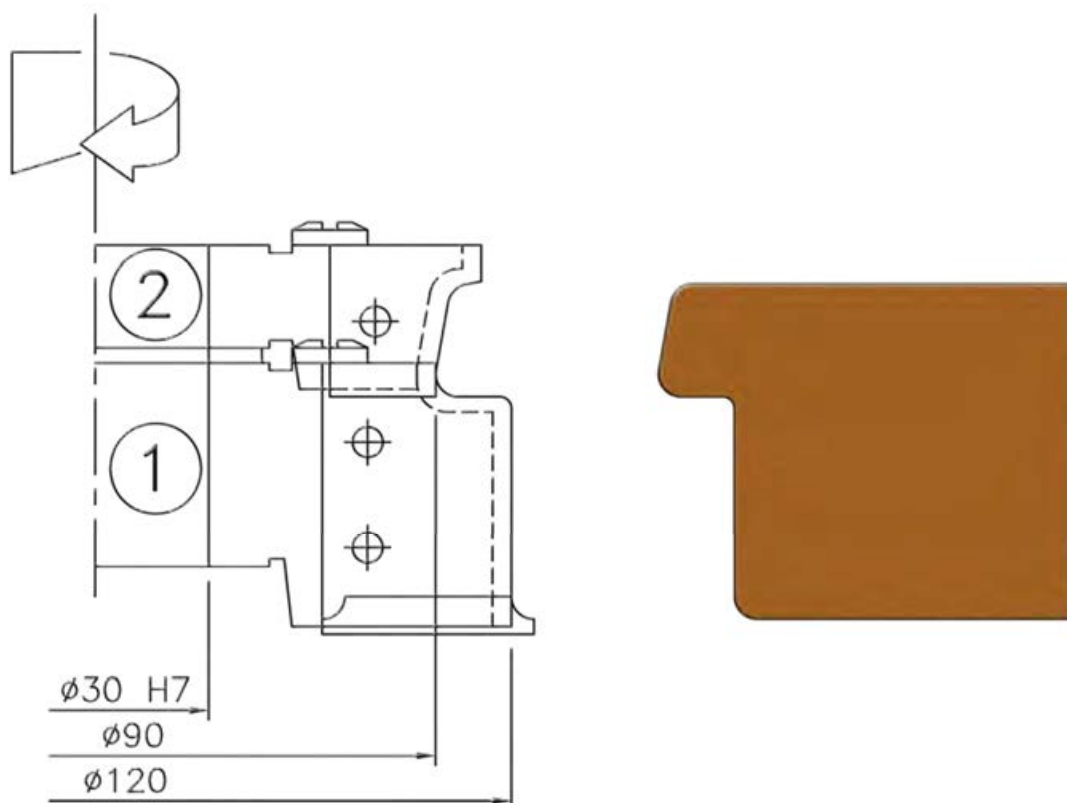
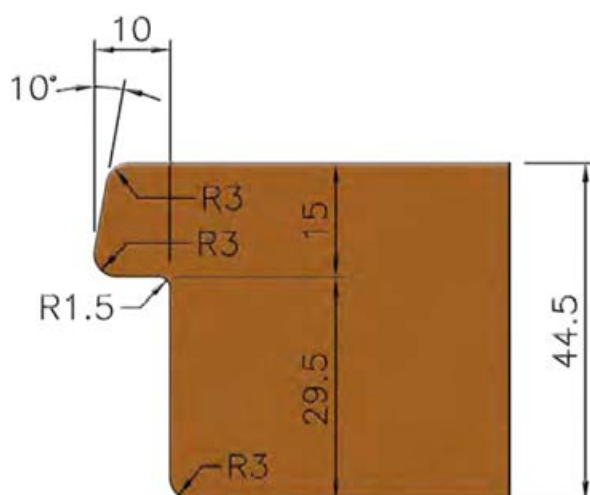


art. 3.501

DISEGNO SCALA 1:1
DRAWING SCALE 1:1

Punte porta coltelli
Insert knives cutter heads

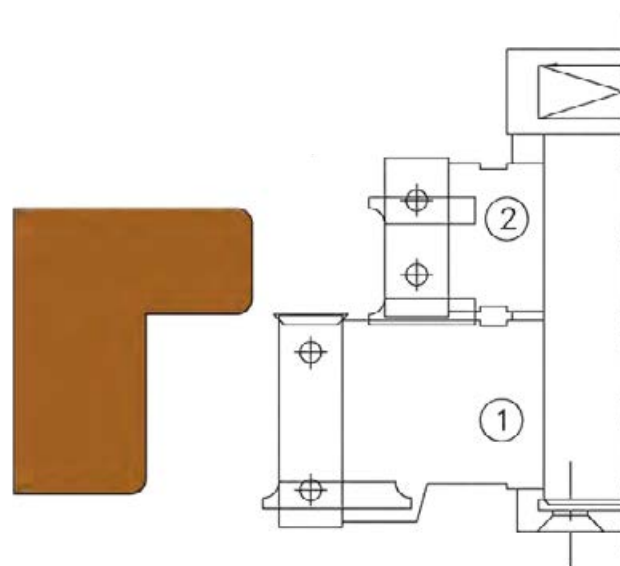
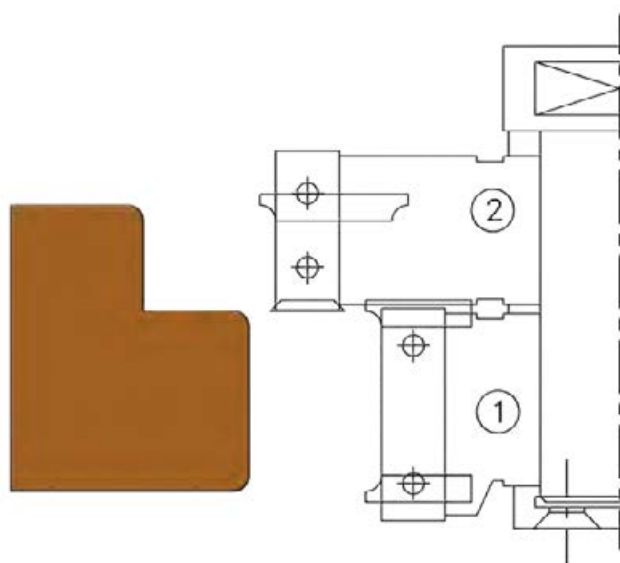
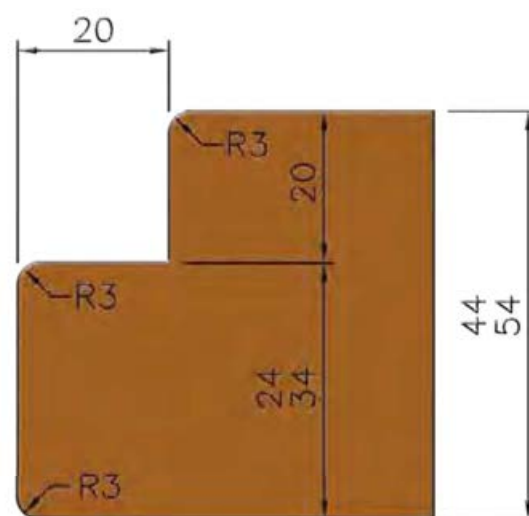
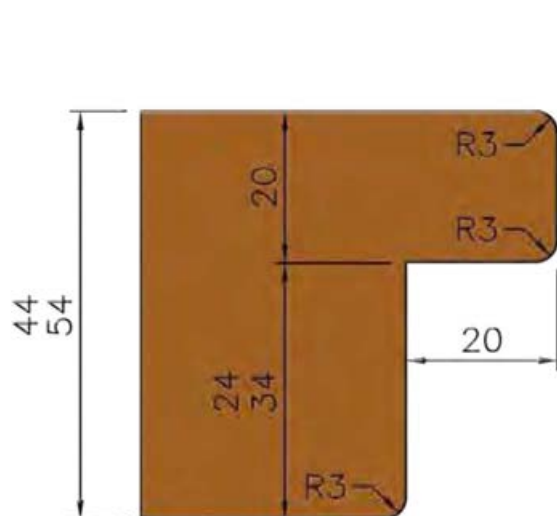
PROF. 1
PROFILE 1



art. 3.501

DISEGNO SCALA 1:1
DRAWING SCALE 1:1

PROF. 2
PROFILE 2



art. 3.505



PUNTA PORTACOLTELLI SAGOMATA MONTATA SU
MANDRINO PER BATTUTA PORTE A Z=2

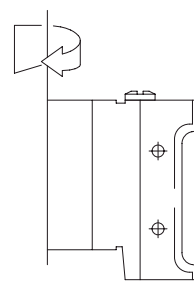


PROFIED INSERT SHANK CUTTER FOR DOORS REBATING,
MOUNTED ON SPINDEL, Z=2



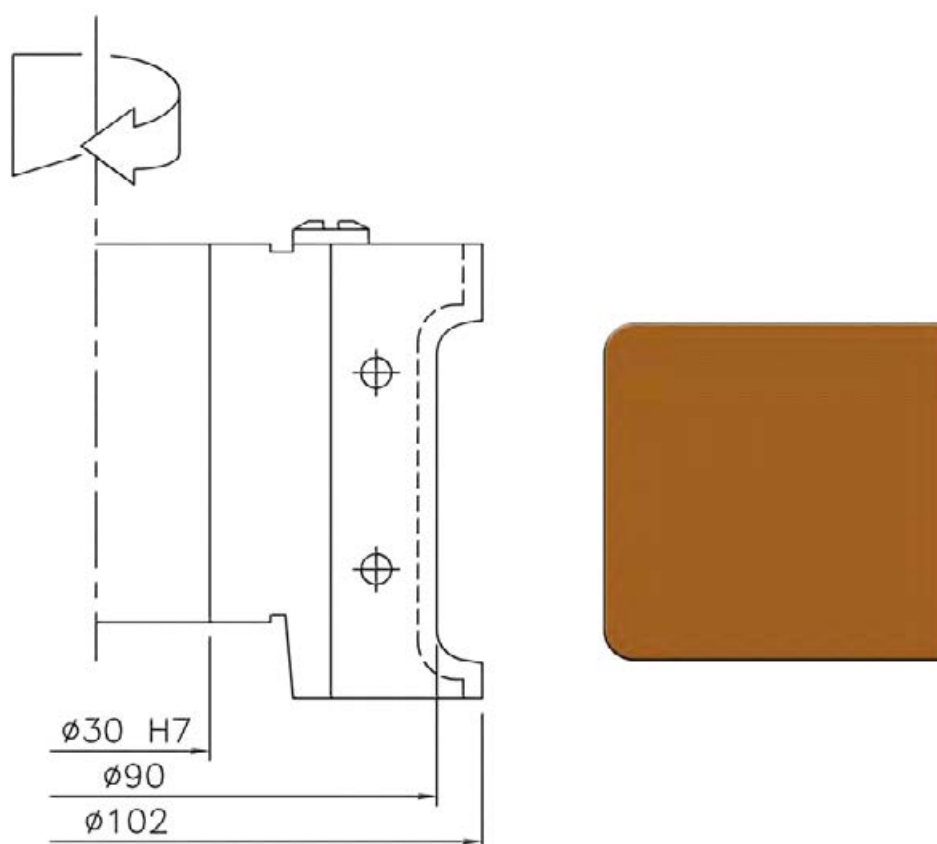
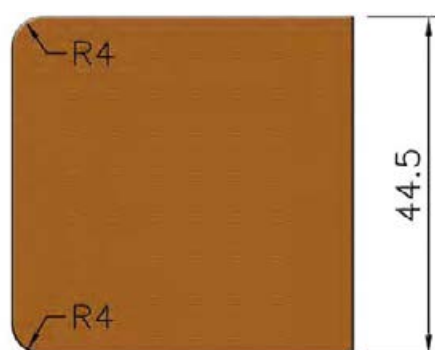
Punte porta coltelli
Insert knives cutter heads

ARTICOLO ITEM	Ø	SPESSORE THICKNESS
3.505/102x60	102	60



art. 3.505

PROFILO OTTENUTO SCALA 1:1
PROFILE OBTAINED SCALE 1:1



art. 3.511



PUNTA PORTACOLTELLI MONTATA SU MANDRINO PER
BATTUTA PORTE A Z=2 + RASANTI, SPIGOLATORI,
SPIGOLATORI REGOLABILI E COLTELLI SCAVO GUARNIZIONE

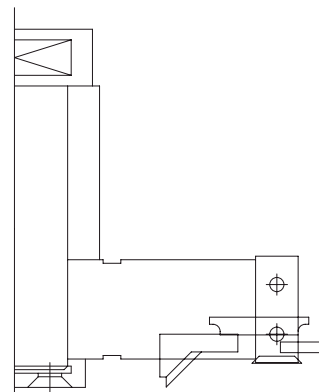


INSERT SHANK CUTTER FOR DOORS REBATING, MOUNTED
ON SPINDLE, Z=2 + SHAVINGS, SCRIBING KNIVES, ADJUSTABLE
CHAMFERINGS AND KNIFE FOR PACKING HOUSE



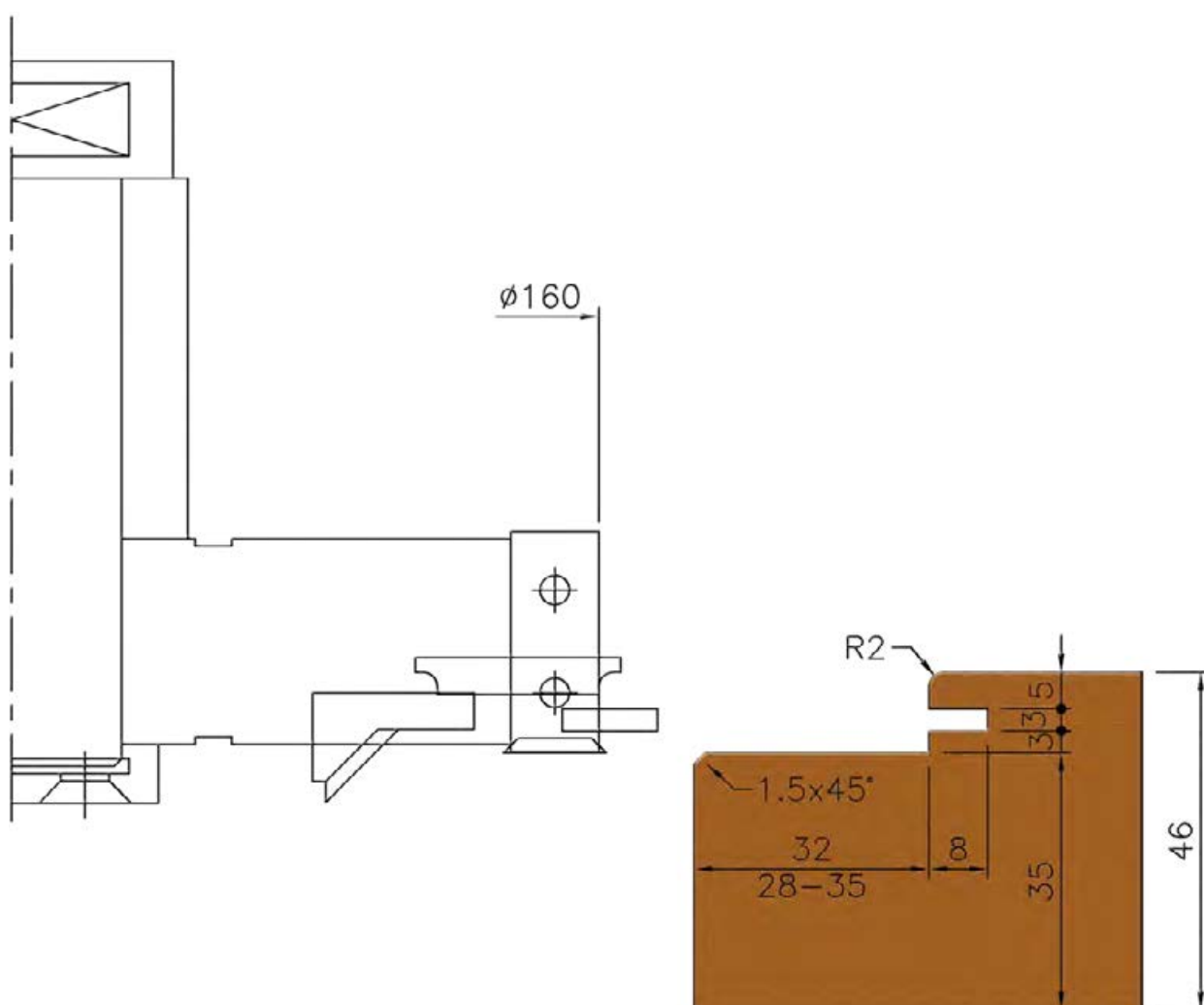
Punte porta coltelli
Insert knives cutter heads

ARTICOLO ITEM	Ø	SPESSORE THICKNESS
3.511/160x30	160	30



art. 3.511

PROFILO OTTENUTO SCALA 1:1
PROFILE OBTAINED SCALE 1:1



art. 3.521



PUNTA PORTACOLTELLI MONTATA SU MANDRINO PER
SAGOMA E CONTROSAGOMA DI PORTE

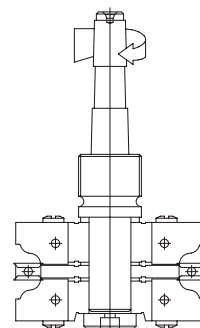


PROFILED INSERT SHANK CUTTER FOR PROFILE AND
COUNTERPROFILE OF DOORS, MOUNTED ON SPINDLE



Punte porta coltelli
Insert knives cutter heads

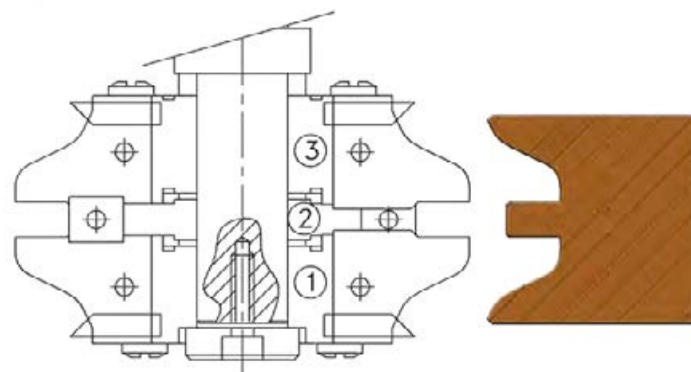
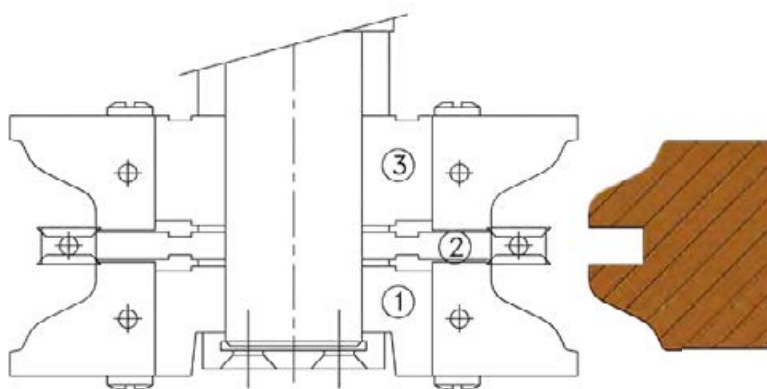
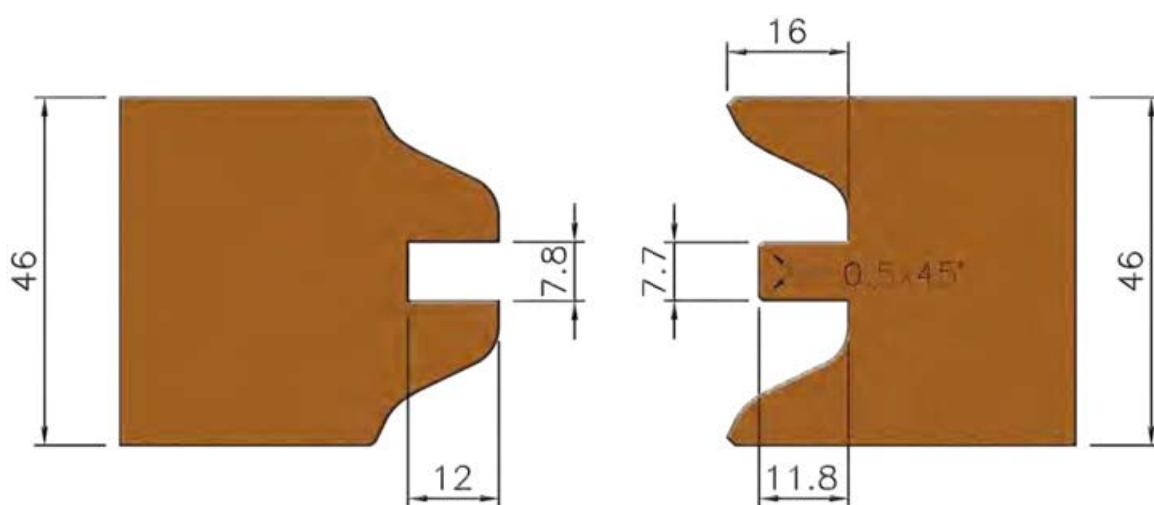
ARTICOLO ITEM	Ø	SPESSORE THICKNESS
3.521/125	MAX 125	1
3.521/93	MAX 93	2
3.521/100	MAX 100	3
3.521/110	MAX 110	4



art. 3.521

SCHEMA DI LAVORAZIONE SCALA 1:1
WORKING DIAGRAM SCALE 1:1

PROF. 1
PROFILE 1

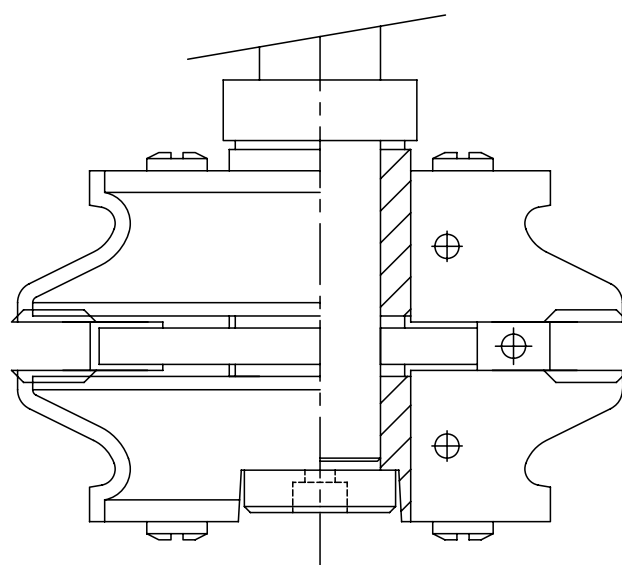
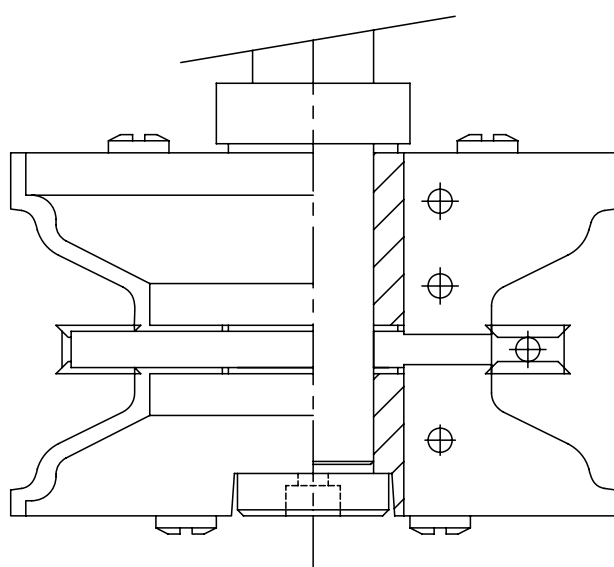
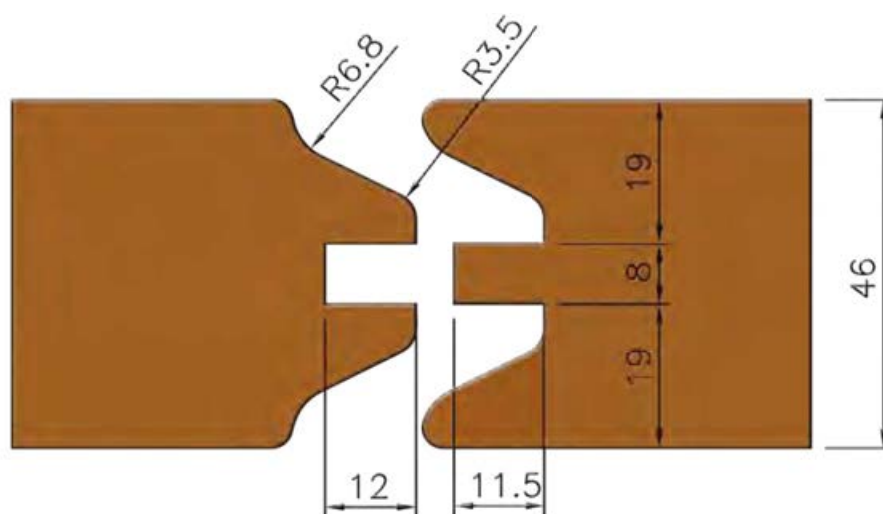


art. 3.521

SCHEMA DI LAVORAZIONE SCALA 1:1
WORKING DIAGRAM SCALE 1:1

Punte porta coltelli
Insert knives cutter heads

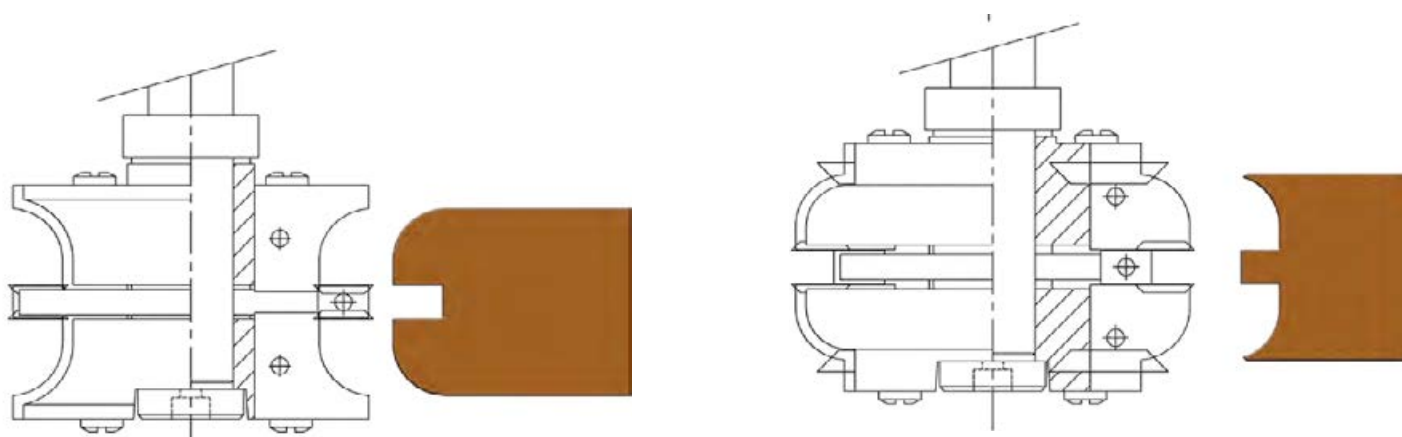
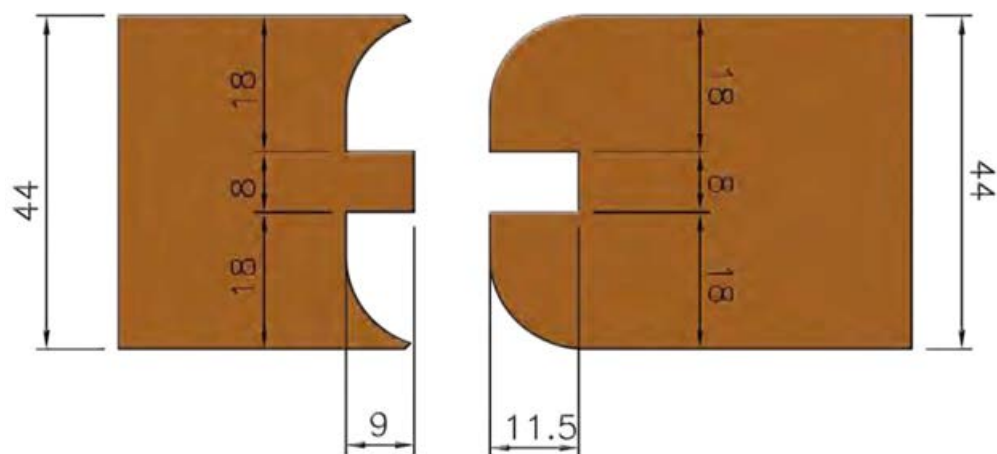
PROF. 2
PROFILE 2



art. 3.521

SCHEMA DI LAVORAZIONE SCALA 1:1
WORKING DIAGRAM SCALE 1:1

PROF. 3
PROFILE 3

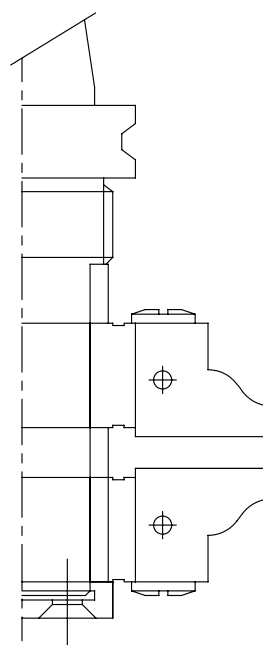
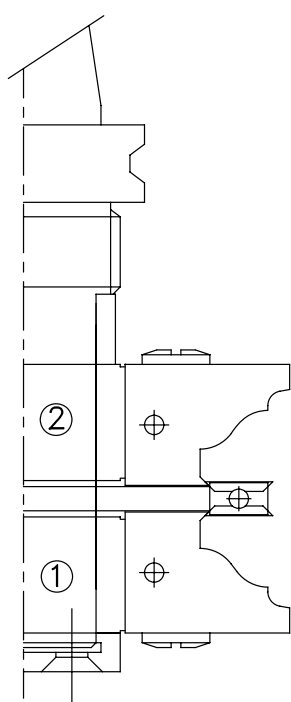
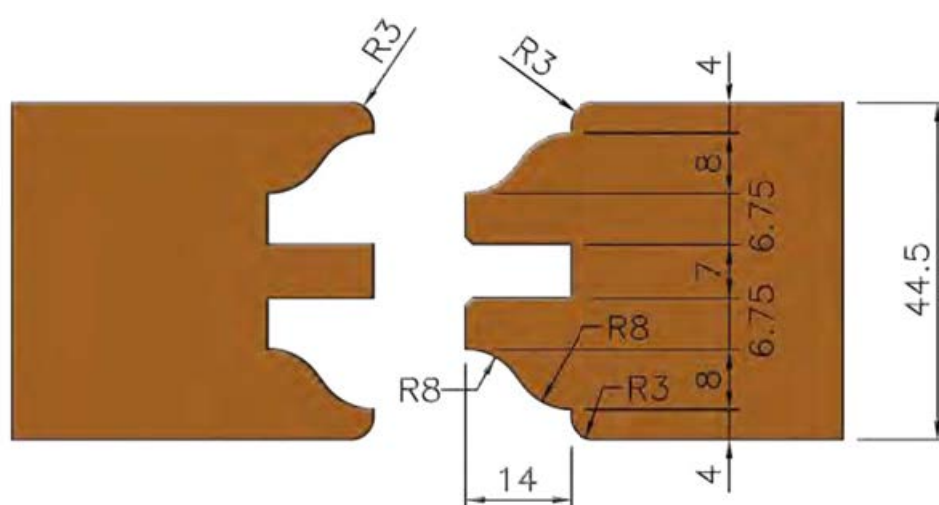


art. 3.521

SCHEMA DI LAVORAZIONE SCALA 1:1
WORKING DIAGRAM SCALE 1:1

Punte porta coltelli
Insert knives cutter heads

PROF. 4
PROFILE 4



art. 3.526



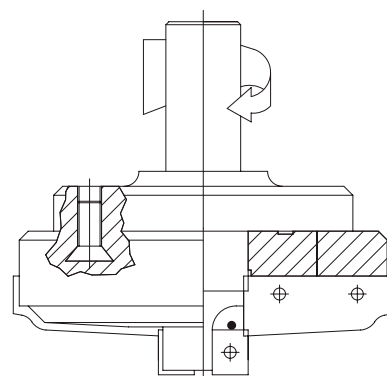
**PUNTA PORTACOLTELLI SAGOMATA MONTATA SU
MANDRINO PER BUGNA PORTE**



**PROFIED INSERT SHANK CUTTER FOR DOORS PANEL RAISING,
MOUNTED ON SPINDLE**



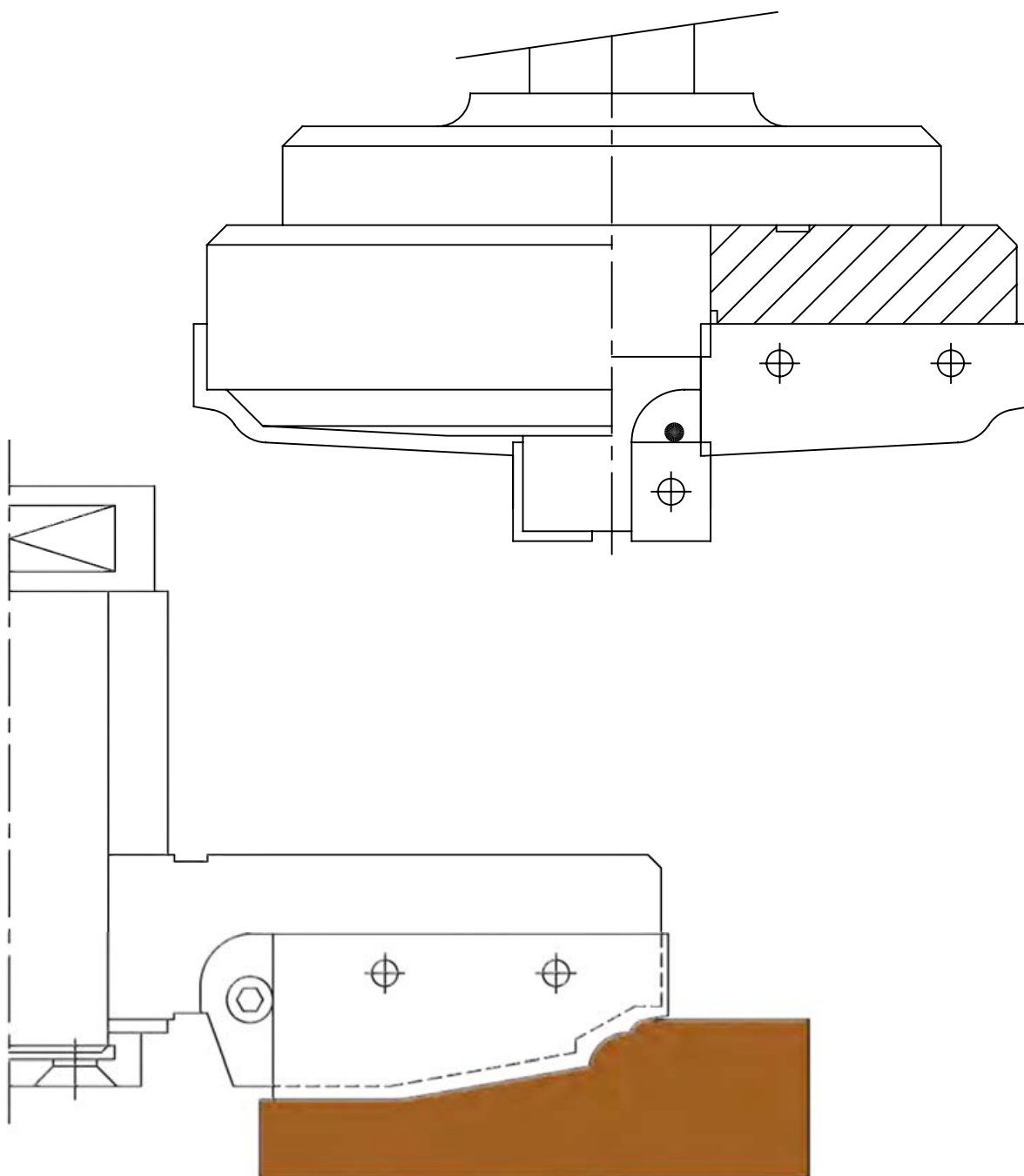
ARTICOLO ITEM	Ø	SPESSORE THICKNESS
3.526/130x60	130	60
3.526/170x50	170	50
3.526/180x60	180	60
3.526/200x60	200	60



art. 3.526

ESEMPIO DI LAVORAZIONE
WORKING EXAMPLE

Punte porta coltelli
Insert knives cutter heads



art. 3.527



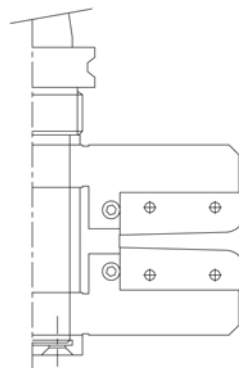
**PUNTA PORTACOLTELLI SAGOMATA MONTATA
SU MANDRINO PER BUGNA PORTE CON DOPPIA
LAVORAZIONE Z=3**

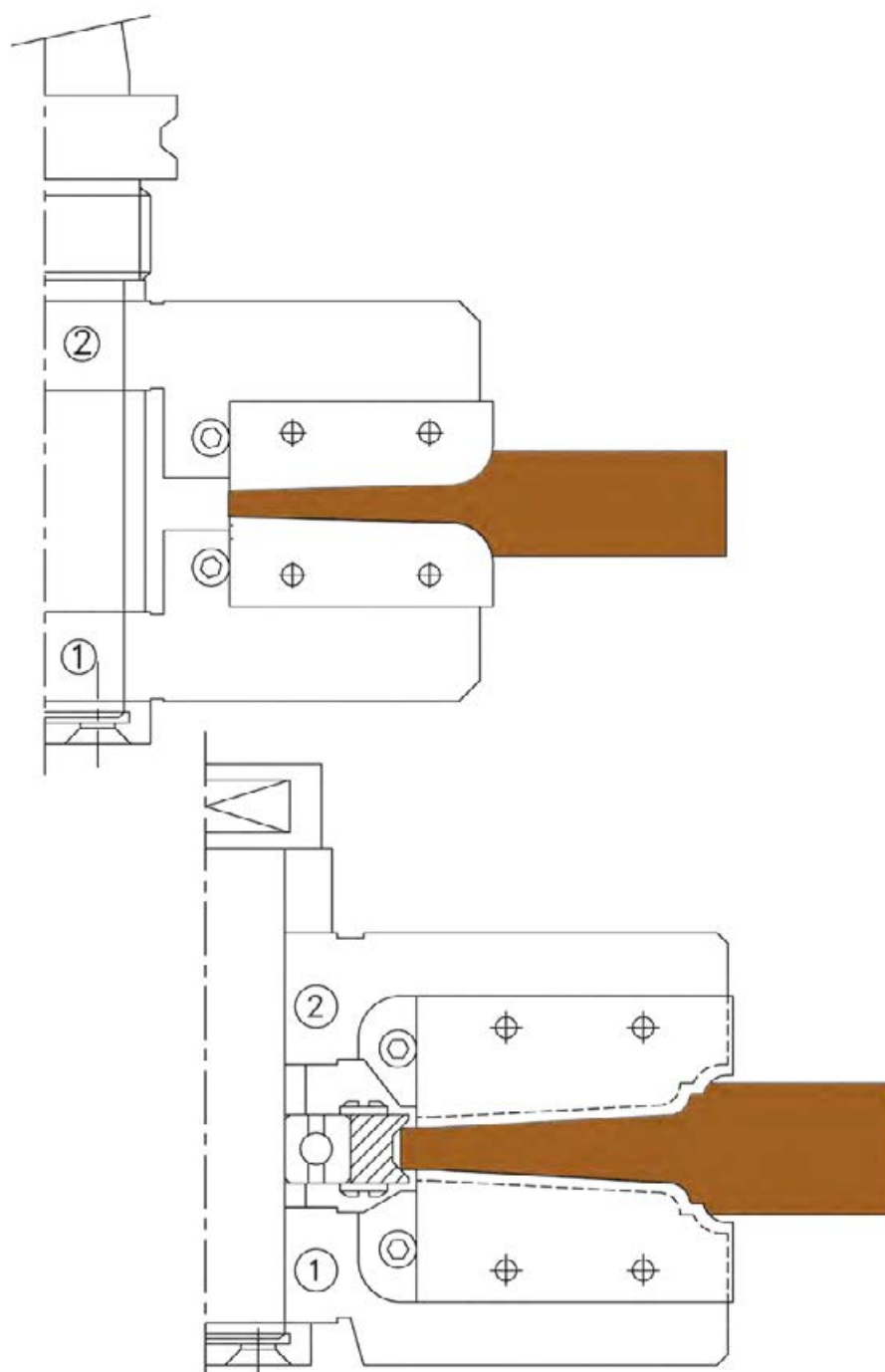


**PROFIED INSERT SHANK CUTTER FOR PANEL RAISING OF
DOORS WITH DOUBLE PROFILE, MOUNTED ON SPINDLE, Z=3
PROFIED KNIVES**



ARTICOLO ITEM	Ø	SPESSORE THICKNESS
3.527/170	170	MAX
3.527/200	200	MAX





art. 3.541



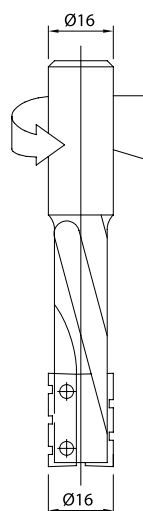
**PUNTA PORTACOLTELLI PER CAVA SERRATURA PORTE CON
ATTACCO Ø16X50 A Z=2**



**INSERT SHANK CUTTER FOR DOORS LOCKS, SHANK Ø 16X50
Z=2**



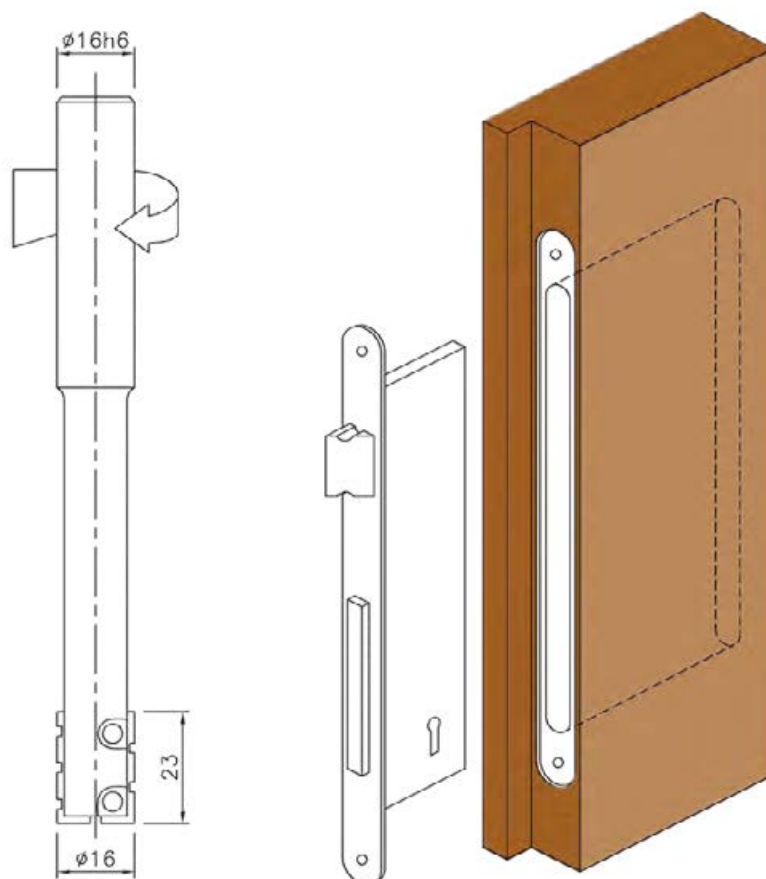
ARTICOLO ITEM	DESCRIZIONE DESCRIPTION
3.541/1	Punta portacoltelli sagomata Ø 16x95x150
	RICAMBI:
4.1041/1	Coltello hm sagomato mm.23x7x1,5
4.1041/2	



art. 3.541

ESEMPIO DI LAVORAZIONE WORKING
EXAMPLE

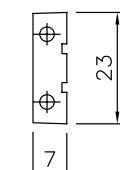
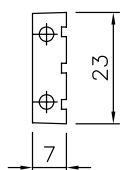
Punte porta coltelli
Insert knives cutter heads



RICAMBI
SPARE PARTS

4.1041/1

4.1041/2



art. 3.545



PUNTA PORTACOLTELLI PER SCAVO SEDE PIASTRINO
PORTE CON ATTACCO ELU A Z=2



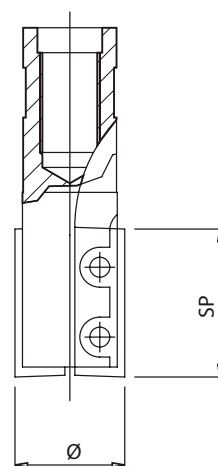
INSERT SHANK CUTTER FOR DOORS LOCKS, ON ELU SHANK
Z=2



ARTICOLO ITEM	Ø	SPESSORE THICKNESS
3.545/18x20	18	20
3.545/22x30	22	30

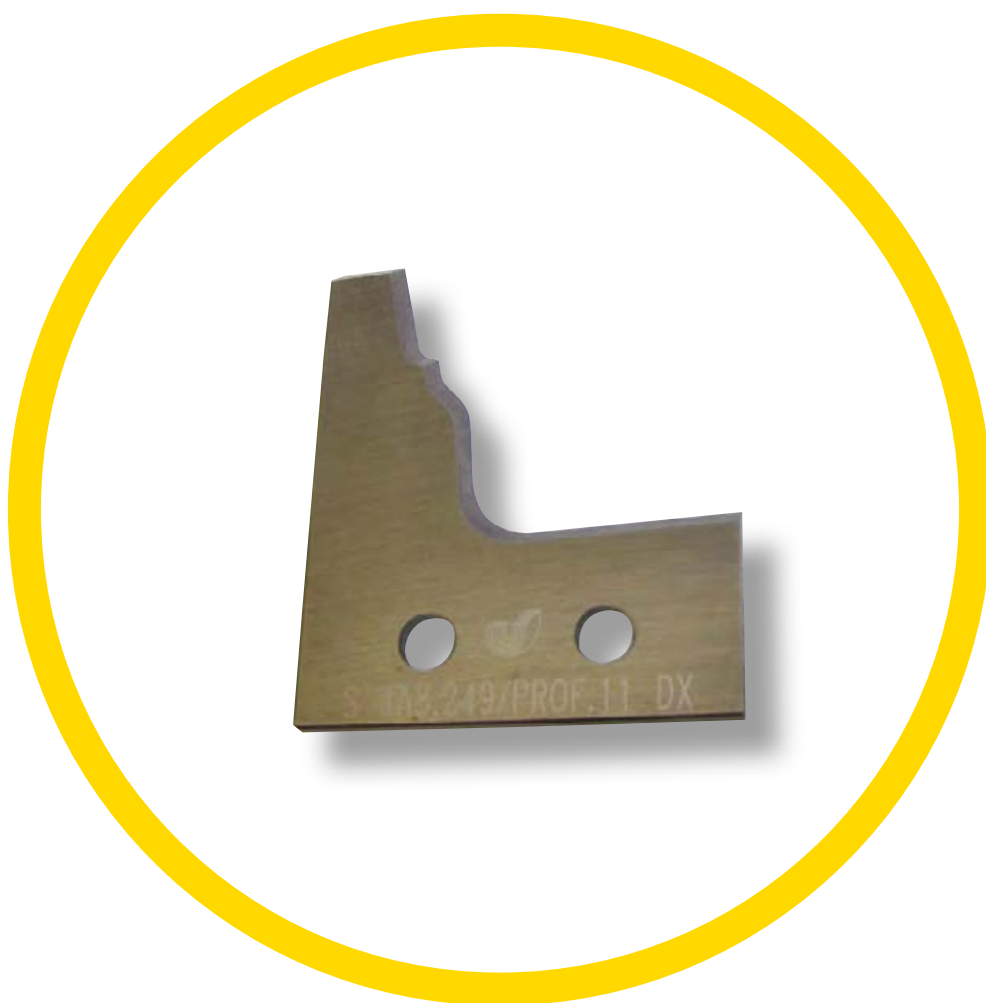
● PER RICAMBI VEDI ART. 4.11

● FOR SPARE PARTS SEE ART. 4.11



Fam. 4

Coltelli di ricambio / Spare knives

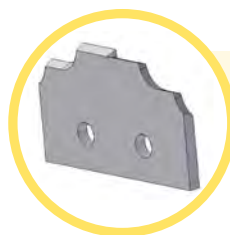


INDICE / SUMMARY



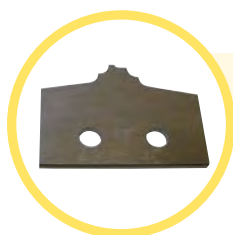
art. 4.01 pag. 08

**COLTELLO HM INTEGRALE
SAGOMATO A SPESSORE MM
2 CON SAGOMA SINGOLA A
PROFILO SEMPLICE**
PROFILED KNIFE IN FULL HARD METAL
FOR SIMPLE SHAPE WITH SINGLE PROFILE
KNIFE THICKNESS 2 MM



art. 4.06 pag. 17

**COLTELLO HM INTEGRALE
SAGOMATO DI RICAMBIO A
SPESSORE MM 2 PER ARTICOLO
3.15-A**
PROFILED KNIFE IN FULL HM
THICKNESS 2MM. SPARE PART FOR ART.
3.15-A



art. 4.02 pag. 10

**COLTELLO HM INTEGRALE
SAGOMATO A SPESSORE MM
2 CON SAGOMA DOPPIA A
PROFILO SEMPLICE**
PROFILED KNIFE IN FULL HARD METAL
FOR SIMPLE SHAPE WITH DOUBLE PROFILE
KNIFE THICKNESS 2 MM



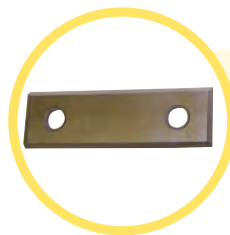
art. 4.11 pag. 18

**COLTELLO HM INTEGRALE
REVERSIBILE**
TURNOVER KNIFE IN FULL HM



art. 4.03 pag. 12

**COLTELLO HM INTEGRALE
SAGOMATO A SPESSORE MM
2 CON SAGOMA SINGOLA A
PROFILO COMPLESSO**
PROFILED KNIFE IN FULL HARD METAL
FOR COMPLEX SHAPE WITH SINGLE
PROFILE KNIFE THICKNESS 2 MM



art. 4.12 pag. 19

**COLTELLO HM INTEGRALE
REVERSIBILE IN MICROGRANO**
FULL HM TURNOVER KNIFE IN MICRO-
GRAIN



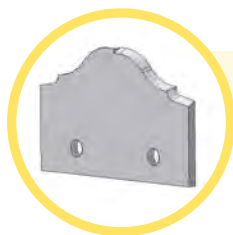
art. 4.04 pag. 14

**COLTELLO HM INTEGRALE
SAGOMATO A SPESSORE MM
2 CON SAGOMA DOPPIA A
PROFILO COMPLESSO**
PROFILED KNIFE IN FULL HARD METAL
FOR COMPLEX SHAPE WITH DOUBLE
PROFILE KNIFE THICKNESS 2 MM



art. 4.13 pag. 20

**COLTELLO HM INTEGRALE
SAGOMATO A SPESSORE MM 1,5
CON SAGOMA SINGOLA**
FULL HM PROFILED KNIFE
SINGLE SHAPE THICKNESS 1,5 MM



art. 4.05 pag. 16

**COLTELLO HM INTEGRALE
SAGOMATO DI RICAMBIO A
SPESSORE MM2 PER ARTICOLO
3.15**
PROFILED KNIFE IN FULL HM THICKNESS 2
MM. SPARE PART FOR ART. 3.15



art. 4.14 pag. 21

**COLTELLO HM INTEGRALE
SAGOMATO A SPESSORE MM
1,5 CON SAGOMA SINGOLA IN
MICROGRANO**
FULL HM PROFILED KNIFE IN MICRO-GRAIN
SINGLE SHAPE KNIFE THICKNESS 1,5 MM

INDICE / SUMMARY



art. 4.15 pag. 22

**COLTELLO HM INTEGRALE
SAGOMATO A SPESSORE MM 1,5
CON SAGOMA DOPPIA**
PROFIED KNIFE IN FULL HM
DOUBLE PROFILE THICKNESS 1,5 MM



art. 4.32 pag. 27

**INSERTO SPIGOLATORE
REGOLABILE 45°**
ADJUSTABLE EDGE-BREAKER 45°



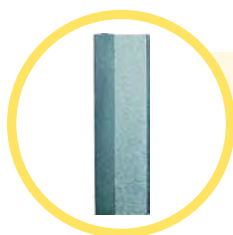
art. 4.21 pag. 23

**COLTELLO DI RICAMBIO HSS 18%
PER TESTE PIALLA**
SPARE PART KNIFE IN HSS 18 % FOR
PLANING HEADS



art. 4.41 pag. 28

INSERTO HM PER CANALI
HM GROOVING INSERT



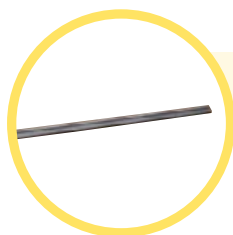
art. 4.22 pag. 24

**COLTELLO DI RICAMBIO HM PER
TESTE PIALLA**
SPARE PART KNIFE IN HM FOR PLANING
HEADS



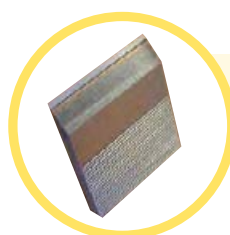
art. 4.42 pag. 29

**INSERTO HM INTEGRALE PER
CANALI**
FULL HM GROOVING INSERT



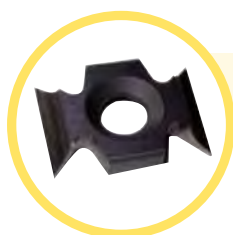
art. 4.23 pag. 25

COLTELLO TIPO TERSA HSS
TERSA HSS KNIFE



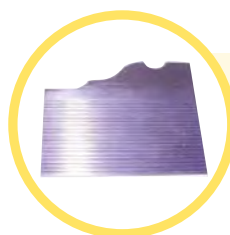
art. 4.50 pag. 30

**COLTELLO RIGATO HSS NON
SAGOMATO**
SERRATED HSS KNIFE NOT PROFIED



art. 4.31 pag. 26

**INSERTO SPIGOLATORE HM
INTEGRALE**
EDGE-BREAKER KNIFE IN FULL HM



art. 4.51 pag. 31

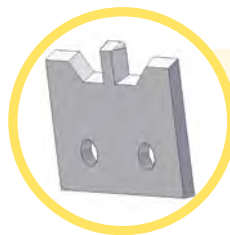
**COLTELLO ZIGRINATO
SAGOMATO**
PROFIED SERRATED KNIFE

INDICE / SUMMARY



art. 4.52 pag. 32

**RASANTE PER LEVANODI
PORTACOLTELLI**
SHAVING FOR HINGE BORING BIT WITH
KNIVES



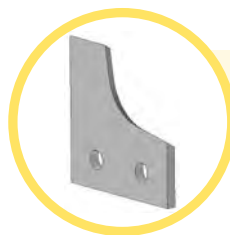
art. 4.106 pag. 37

**COLTELLO HM INTEGRALE
SAGOMATO DI RICAMBIO A
SPESSORE MM 2 PER ARTICOLO
3.34**
FULL HM PROFILED KNIFE THICKNESS 2 MM
SPARE PART FOR ART. 3.34



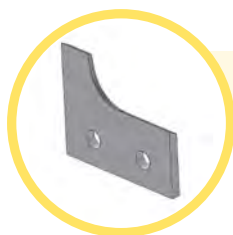
art. 4.53 pag. 33

RASANTE RAGGIATORE TIPO R
ROUNDING SHAVING TYPE R



art. 4.109 pag. 38

**COLTELLO HM INTEGRALE
SAGOMATO DI RICAMBIO A
SPESSORE MM 2 PER ARTICOLO
3.41**
FULL HM PROFILED KNIFE THICKNESS 2 MM
SPARE PART FOR ART. 3.41



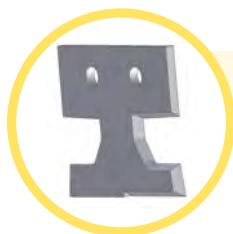
art. 4.101 pag. 34

**COLTELLO HM INTEGRALE
SAGOMATO DI RICAMBIO A
SPESSORE MM 2 PER ARTICOLO
3.16**
FULL HM PROFILED KNIFE THICKNESS 2 MM
SPARE PART FOR ART. 3.16



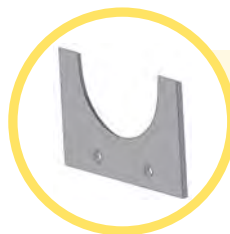
art. 4.110 pag. 39

**COLTELLO HM INTEGRALE
SAGOMATO DI RICAMBIO A
SPESSORE MM 2 PER ARTICOLO
3.42**
FULL HM PROFILED KNIFE THICKNESS 2 MM
SPARE PART FOR ART. 3.42



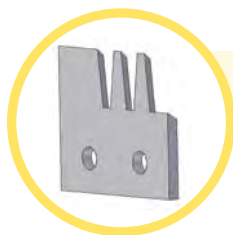
art. 4.103 pag. 35

**COLTELLO HM INTEGRALE
SAGOMATO DI RICAMBIO A
SPESSORE MM 2 PER ARTICOLO
3.25**
FULL HM PROFILED KNIFE THICKNESS 2 MM
SPARE PART FOR ART. 3.25



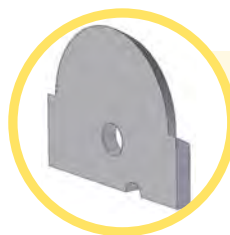
art. 4.115 pag. 40

**COLTELLO HM INTEGRALE
SAGOMATO DI RICAMBIO A
SPESSORE MM 2 PER ARTICOLO
3.43**
FULL HM PROFILED KNIFE THICKNESS 2
SPARE PART FOR ART. 3.43



art. 4.105 pag. 36

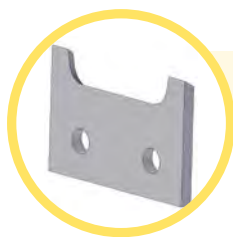
**COLTELLO HM INTEGRALE
SAGOMATO DI RICAMBIO A
SPESSORE MM 2 PER ARTICOLO
3.32**
FULL HM PROFILED KNIFE THICKNESS 2 MM
SPARE PART FOR ART. 3.32



art. 4.118 pag. 41

**COLTELLO HM INTEGRALE
SAGOMATO DI RICAMBIO A
SPESSORE MM 2 PER ARTICOLO
3.44**
FULL HM PROFILED KNIFE THICKNESS 2 MM
SPARE PART FOR ART. 3.44

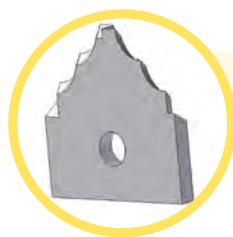
INDICE / SUMMARY



art. 4.119 pag. 42

**COLTELLO HM INTEGRALE
SAGOMATO DI RICAMBIO A
SPESSORE MM 2 PER ARTICOLO
3.46**

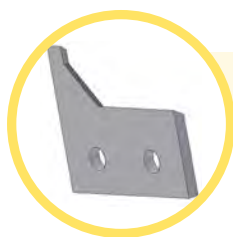
FULL HM PROFILED KNIFE THICKNESS 2 MM
SPARE PART FOR ART. 3.46



art. 4.1001 pag. 47

**COLTELLO HM INTEGRALE
SAGOMATO DI RICAMBIO A
SPESSORE MM 2 PER ARTICOLO
3.101**

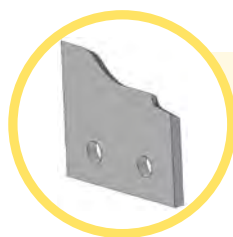
FULL HM PROFILED KNIFE THICKNESS 2 MM
SPARE PART FOR ART. 3.101



art. 4.121 pag. 43

**COLTELLO HM INTEGRALE
SAGOMATO DI RICAMBIO A
SPESSORE MM 2 PER ARTICOLO
3.46-A**

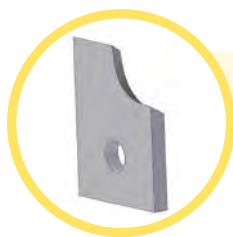
FULL HM PROFILED KNIFE THICKNESS 2 MM
SPARE PART FOR ART. 3.46-A



art. 4.1011 pag. 48

**COLTELLO HM INTEGRALE
SAGOMATO DI RICAMBIO A
SPESSORE MM 2 PER ARTICOLO
3.111**

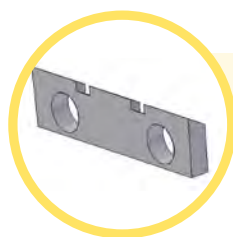
FULL HM PROFILED KNIFE THICKNESS 2 MM
SPARE PART FOR ART. 3.111



art. 4.122 pag. 44

**COLTELLO HM INTEGRALE
SAGOMATO DI RICAMBIO A
SPESSORE MM 2 PER ARTICOLO
3.46-B**

FULL HM PROFILED KNIFE THICKNESS 2 MM
SPARE PART FOR ART.3.46-B



art. 4.1041 pag. 49

**COLTELLO HM INTEGRALE
SAGOMATO DI RICAMBIO A
SPESSORE MM 2 PER ARTICOLO
3.541**

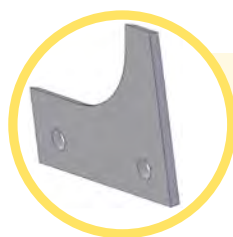
FULL HM PROFILED KNIFE THICKNESS 2 MM
SPARE PART FOR ART.3.541



art. 4.125 pag. 45

**COLTELLO HM INTEGRALE
SAGOMATO DI RICAMBIO A
SPESSORE MM 2 PER ARTICOLO
3.48**

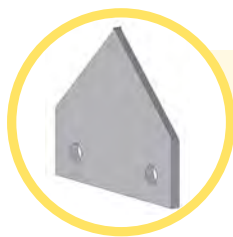
FULL HM PROFILED KNIFE THICKNESS 2 MM
SPARE PART FOR ART.3.48



art. 4.5011 pag. 50

**COLTELLO HM INTEGRALE
SAGOMATO DI RICAMBIO A
SPESSORE MM 2 PER ARTICOLO
1.16**

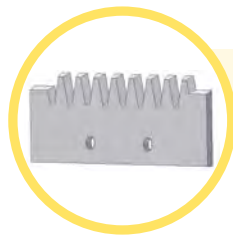
FULL HM PROFILED KNIFE THICKNESS 2 MM
SPARE PART FOR ART. 1.16



art. 4.131 pag. 46

**COLTELLO HM INTEGRALE
SAGOMATO DI RICAMBIO A
SPESSORE MM 2 PER ARTICOLO
3.54**

FULL HM PROFILED KNIFE THICKNESS 2 MM
SPARE PART FOR ART. 3.54

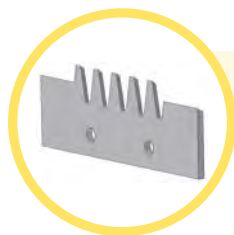


art. 4.5015 pag. 51

**COLTELLO HM INTEGRALE
SAGOMATO DI RICAMBIO A
SPESSORE MM 2 PER ARTICOLO
1.32**

FULL HM PROFILED KNIFE THICKNESS 2 MM
SPARE PART FOR ART.1.32

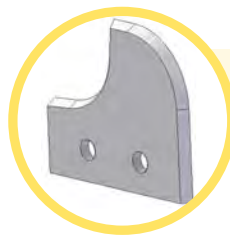
INDICE / SUMMARY



art. 4.5016 pag. 52

**COLTELLO HM INTEGRALE
SAGOMATO DI RICAMBIO A
SPESSORE MM 2 PER ARTICOLO
1.32-A**

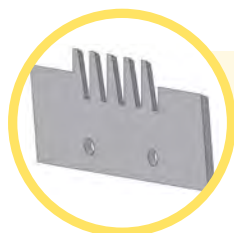
FULL HM PROFILED KNIFE THICKNESS 2 MM
SPARE PART FOR ART. 1.32-A



art. 4.5025 pag. 58

**COLTELLO HM INTEGRALE
SAGOMATO DI RICAMBIO A
SPESSORE MM 2 PER ART. 1.37**

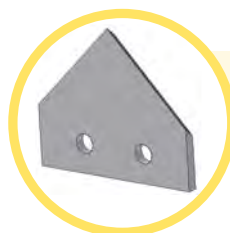
FULL HM PROFILED KNIFE THICKNESS 2 MM
SPARE PART FOR ART. 1.37



art. 4.5017 pag. 53

**COLTELLO HM INTEGRALE
SAGOMATO DI RICAMBIO A
SPESSORE MM 2 PER ART. 1.32-B**

FULL HM PROFILED KNIFE THICKNESS 2 MM
SPARE PART FOR ART. 1.32-B



art. 4.5091 pag. 59

**COLTELLO HM INTEGRALE
SAGOMATO DI RICAMBIO A
SPESSORE MM 2 PER ART. 1.54**

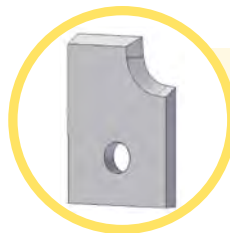
FULL HM PROFILED KNIFE THICKNESS 2 MM
SPARE PART FOR ART. 1.54



art. 4.5018 pag. 54

**COLTELLO HM INTEGRALE
SAGOMATO DI RICAMBIO A
SPESSORE MM 2 PER ART. 1.33**

FULL HM PROFILED KNIFE THICKNESS 2 MM
SPARE PART FOR ART. 1.33



art. 4.5101 pag. 60

**COLTELLO HM INTEGRALE
SAGOMATO DI RICAMBIO A
SPESSORE MM 2 PER ART. 1.61**

FULL HM PROFILED KNIFE THICKNESS 2 MM
SPARE PART FOR ART. 1.61



art. 4.5019 pag. 55

**COLTELLO HM INTEGRALE
SAGOMATO DI RICAMBIO A
SPESSORE MM 2 PER ART. 1.33-A**

FULL HM PROFILED KNIFE THICKNESS 2 MM
SPARE PART FOR ART. 1.33-A



art. 4.5102 pag. 61

**COLTELLO HM INTEGRALE
SAGOMATO DI RICAMBIO A
SPESSORE MM 2 PER ART. 1.62**

FULL HM PROFILED KNIFE THICKNESS 2 MM
SPARE PART FOR ART. 1.62



art. 4.5020 pag. 56

**COLTELLO HM INTEGRALE
SAGOMATO DI RICAMBIO A
SPESSORE MM 2 PER ART. 1.34**

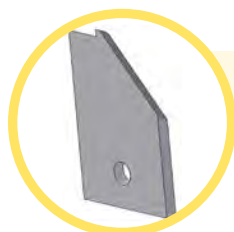
FULL HM PROFILED KNIFE THICKNESS 2 MM
SPARE PART FOR ART. 1.34



art. 4.5107 pag. 62

**COLTELLO HM INTEGRALE
SAGOMATO DI RICAMBIO A
SPESSORE MM 2 PER ART. 1.65**

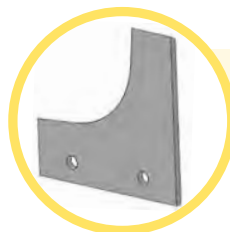
FULL HM PROFILED KNIFE THICKNESS 2 MM
SPARE PART FOR ART. 1.65



art. 4.5021 pag. 57

**COLTELLO HM INTEGRALE
SAGOMATO DI RICAMBIO A
SPESSORE MM 2 PER ART. 1.35**

FULL HM PROFILED KNIFE THICKNESS 2 MM
SPARE PART FOR ART. 1.35

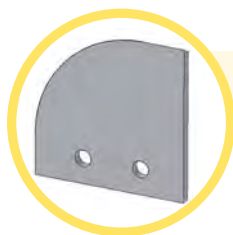


art. 4.5109 pag. 63

**COLTELLO HM INTEGRALE
SAGOMATO DI RICAMBIO A
SPESSORE MM 2 PER ART. 1.41**

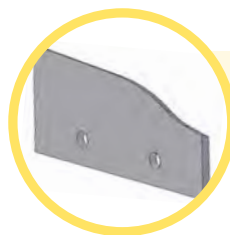
FULL HM PROFILED KNIFE THICKNESS 2 MM
SPARE PART FOR ART. 1.41

INDICE / SUMMARY



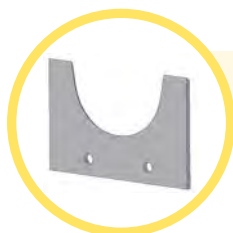
art. 4.5110 pag. 64

**COLTELLO HM INTEGRALE
SAGOMATO DI RICAMBIO A
SPESSORE MM 2 PER ART. 1.42**
FULL HM PROFILED KNIFE THICKNESS 2 MM
SPARE PART FOR ART. 1.42



art. 4.5126 pag. 70

**COLTELLO HM INTEGRALE
SAGOMATO DI RICAMBIO A
SPESSORE MM 2 PER ART. 1.71**
FULL HM PROFILED KNIFE THICKNESS 2 MM
SPARE PART FOR ART. 1.71



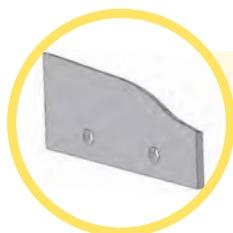
art. 4.5115 pag. 65

**COLTELLO HM INTEGRALE
SAGOMATO DI RICAMBIO A
SPESSORE MM 2 PER ART. 1.43**
FULL HM PROFILED KNIFE THICKNESS 2 MM
SPARE PART FOR ART. 1.43



art. 4.5141 pag. 71

**COLTELLO HM INTEGRALE
SAGOMATO DI RICAMBIO A
SPESSORE MM 2 PER ART. 1.75**
FULL HM PROFILED KNIFE THICKNESS 2 MM
SPARE PART FOR ART. 1.75



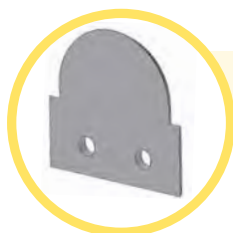
art. 4.5116 pag. 66

**COLTELLO HM INTEGRALE
SAGOMATO DI RICAMBIO A
SPESSORE MM 2 PER ART. 1.43-A**
FULL HM PROFILED KNIFE THICKNESS 2 MM
SPARE PART FOR ART. 1.43-A



art. 4.5151 pag. 72

**COLTELLO HM INTEGRALE
SAGOMATO DI RICAMBIO A
SPESSORE MM 2 PER ART. 1.77**
FULL HM PROFILED KNIFE THICKNESS 2 MM
SPARE PART FOR ART. 1.77



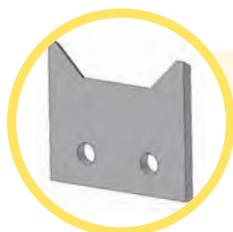
art. 4.5118 pag. 67

**COLTELLO HM INTEGRALE
SAGOMATO DI RICAMBIO A
SPESSORE MM 2 PER ART. 1.44**
FULL HM PROFILED KNIFE THICKNESS 2 MM
SPARE PART FOR ART. 1.44



art. 4.5155 pag. 73

**COLTELLO HM INTEGRALE
SAGOMATO DI RICAMBIO A
SPESSORE MM 2 PER ART. 1.79**
FULL HM PROFILED KNIFE THICKNESS 2 MM
SPARE PART FOR ART. 1.79



art. 4.5122 pag. 68

**COLTELLO HM INTEGRALE
SAGOMATO DI RICAMBIO A
SPESSORE MM 2 PER ART. 1.46**
FULL HM PROFILED KNIFE THICKNESS 2 MM
SPARE PART FOR ART. 1.46



art. 4.5125 pag. 69

**COLTELLO HM INTEGRALE
SAGOMATO DI RICAMBIO A
SPESSORE MM 2 PER ART. 1.48**
FULL HM PROFILED KNIFE THICKNESS 2 MM
SPARE PART FOR ART. 1.48

art. 4.01



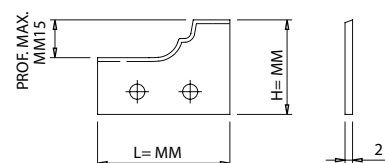
**COLTELLO HM INTEGRALE SAGOMATO A
SPESSORE MM 2 CON SAGOMA SINGOLA A
PROFILO SEMPLICE**



**PROFILED KNIFE IN FULL HARD METAL FOR SIMPLE SHAPE
WITH SINGLE PROFILE KNIFE THICKNESS 2 MM**



ARTICOLO ITEM	LxHxS
4.01/15x15	15x15x2
4.01/15x20	15x20x2
4.01/15x25	15x25x2
4.01/15x30	15x30x2
4.01/16x20	16x20x2
4.01/16x25	16x25x2
4.01/20x20	20x20x2
4.01/20x25	20x25x2
4.01/20x30	20x30x2
4.01/20x35	20x35x2
4.01/25x20	25x20x2
4.01/25x25	25x25x2
4.01/25x30	25x30x2
4.01/25x35	25x35x2
4.01/30x20	30x20x2
4.01/30x25	30x25x2
4.01/30x30	30x30x2
4.01/30x35	30x35x2
4.01/35x20	35x20x2
4.01/35x25	35x25x2
4.01/35x30	35x30x2
4.01/35x35	35x35x2
4.01/40x20	40x20x2
4.01/40x25	40x25x2
4.01/40x30	40x30x2
4.01/40x35	40x35x2
4.01/42x25	42x25x2
4.01/42x28	42x28x2
4.01/42x32	42x32x2
4.01/50x20	50x20x2
4.01/50x25	50x25x2



ARTICOLO ITEM	LxHxS
4.01/50x30	50x30x2
4.01/50x35	50x35x2
4.01/60x20	60x20x2
4.01/60x25	60x25x2
4.01/60x30	60x30x2
4.01/60x35	60x35x2
4.01/70x30	70x30x2
4.01/80x25	80x25x2
4.01/80x30	80x30x2
4.01/80x35	80x35x2
4.01/100x30	100x30x2
4.01/100x35	100x35x2

- **I COLTELLI SONO RIAFFILABILI**
- KNIVES ARE RESHARPENABLE

art. 4.02



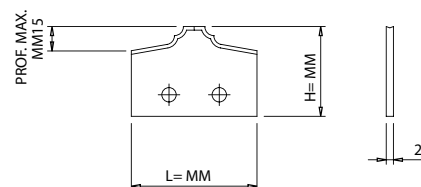
**COLTELLO HM INTEGRALE SAGOMATO A
SPESSORE MM 2 CON SAGOMA DOPPIA A
PROFILO SEMPLICE**



**PROFILED KNIFE IN FULL HARD METAL FOR SIMPLE SHAPE
WITH DOUBLE PROFILE KNIFE THICKNESS 2 MM**



ARTICOLO ITEM	LxHxS
4.02/20x20	20x20x2
4.02/20x25	20x25x2
4.02/20x30	20x30x2
4.02/20x35	20x35x2
4.02/25x20	25x20x2
4.02/25x25	25x25x2
4.02/25x30	25x30x2
4.02/25x35	25x35x2
4.02/30x20	30x20x2
4.02/30x25	30x25x2
4.02/30x30	30x30x2
4.02/30x35	30x35x2
4.02/35x20	35x20x2
4.02/35x25	35x25x2
4.02/35x30	35x30x2
4.02/35x35	35x35x2
4.02/40x20	40x20x2
4.02/40x25	40x25x2
4.02/40x30	40x30x2
4.02/40x35	40x35x2
4.02/40x45	40x45x1
4.02/42x25	42x25x2
4.02/42x28	42x28x2
4.02/42x32	42x32x2
4.02/50x20	50x20x2
4.02/50x25	50x25x2
4.02/50x30	50x30x2
4.02/50x35	50x35x2
4.02/60x20	60x20x2



- **COLTELLO CON SCARTATURA INTERNA (DIAMETRO MINIMO INFERIORE A 4,5) VEDI ART. 4.04**

- FOR KNIFE WITH INNER OPENING (MINIMUM DIAMETER LESS THAN 4,5) SEE ART. 4.04

- **I COLTELLI SONO RIAFFILABILI**

- KNIVES ARE RESHARPENABLE

art. 4.03



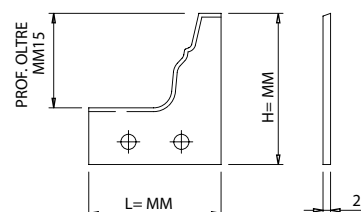
**COLTELLO HM INTEGRALE SAGOMATO A
SPESSORE MM 2 CON SAGOMA SINGOLA A
PROFILO COMPLESSO**



**PROFIED KNIFE IN FULL HARD METAL FOR COMPLEX SHAPE
WITH SINGLE PROFILE KNIFE THICKNESS 2 MM**



ARTICOLO ITEM	LxHxS
4.03/15x30	15x30x2
4.03/20x30	20x30x2
4.03/20x35	20x35x2
4.03/25x30	25x30x2
4.03/25x35	25x35x2
4.03/30x30	30x30x2
4.03/30x35	30x35x2
4.03/30x40	30x40x2
4.03/35x30	35x30x2
4.03/35x35	35x35x2
4.03/35x40	35x40x2
4.03/40x30	40x30x2
4.03/40x35	40x35x2
4.03/40x40	40x40x2
4.03/40x45	40x45x2
4.03/40x50	40x50x2
4.03/42x28	42x28x2
4.03/42x32	42x32x2
4.03/42x40	42x40x2
4.03/50x30	50x30x2
4.03/50x35	50x35x2
4.03/50x40	50x40x2
4.03/50x45	50x45x2
4.03/50x50	50x50x2
4.03/60x30	60x30x2
4.03/60x35	60x35x2
4.03/60x40	60x40x2
4.03/60x45	60x45x2
4.03/60x50	60x50x2
4.03/60x55	60x55x2
4.03/70x30	70x30x2



ARTICOLO ITEM	LxHxS
4.03/70x35	70x35x2
4.03/80x30	80x30x2
4.03/80x35	80x35x2
4.03/80x40	80x40x2
4.03/80x45	80x45x2
4.03/80x50	80x50x2
4.03/100x30	100x30x2
4.03/100x35	100x35x2
4.03/100x40	100x40x2

- **I COLTELLI SONO RIAFFILABILI**
- KNIVES ARE RESHARPENABLE

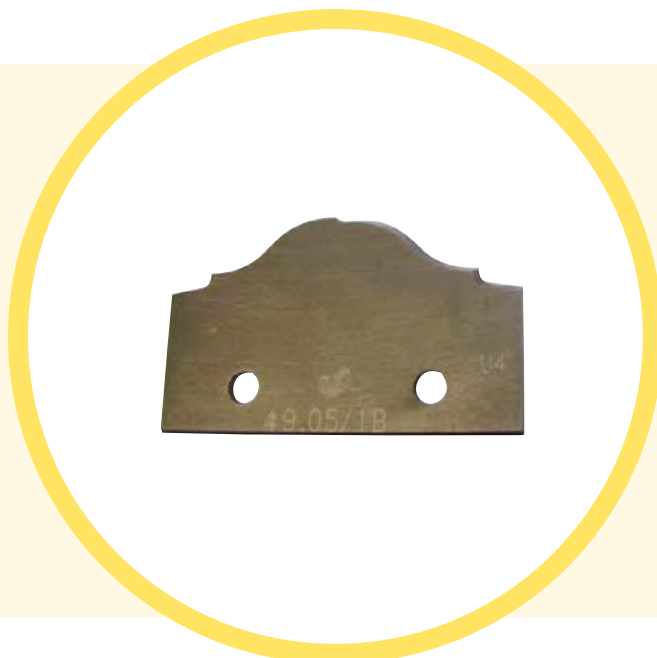
art. 4.04



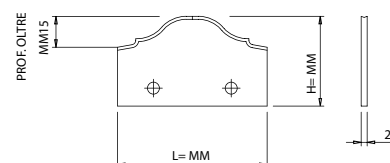
**COLTELLO HM INTEGRALE SAGOMATO A
SPESSORE MM.2 CON SAGOMA DOPPIA A
PROFILO COMPLESSO**



**PROFILED KNIFE IN FULL HARD METAL FOR COMPLEX SHAPE
WITH DOUBLE PROFILE KNIFE THICKNESS 2 MM**



ARTICOLO ITEM	LxHxS
4.04/20x20	20x20x2
4.04/20x25	20x25x2
4.04/20x30	20x30x2
4.04/20x35	20x35x2
4.04/25x20	25x20x2
4.04/25x25	25x25x2
4.04/25x30	25x30x2
4.04/25x35	25x35x2
4.04/30x20	30x20x2
4.04/30x25	30x25x2
4.04/30x30	30x30x2
4.04/30x35	30x35x2
4.04/30x40	30x40x2
4.04/35x20	35x20x2
4.04/35x25	35x25x2
4.04/35x30	35x30x2
4.04/35x35	35x35x2
4.04/35x40	35x40x2
4.04/40x20	40x20x2
4.04/40x25	40x25x2
4.04/40x30	40x30x2
4.04/40x35	40x35x2
4.04/40x40	40x40x2
4.04/40x45	40x45x2
4.04/40x50	40x50x2
4.04/42x25	42x25x2
4.04/42x28	42x28x2
4.04/42x32	42x32x2
4.04/42x40	42x40x2
4.04/50x20	50x20x2
4.04/50x25	50x25x2



ARTICOLO ITEM	LxHxS
4.04/50x30	50x30x2
4.04/50x35	50x35x2
4.04/50x40	50x40x2
4.04/50x45	50x45x2
4.04/50x50	50x50x2
4.04/60x20	60x20x2
4.04/60x25	60x25x2
4.04/60x30	60x30x2
4.04/60x35	60x35x2
4.04/60x40	60x40x2
4.04/60x45	60x45x2
4.04/60x50	60x50x2
4.04/60x55	60x55x2
4.04/80x25	80x25x2
4.04/80x30	80x30x2
4.04/80x35	80x35x2
4.04/80x40	80x40x2
4.04/80x45	80x45x2
4.04/80x50	80x50x2
4.04/100x30	100x30x2
4.04/100x35	100x35x2
4.04/100x40	100x40x2

● **I COLTELLI SONO RIAFFILABILI**

● KNIVES ARE RESHARPENABLE

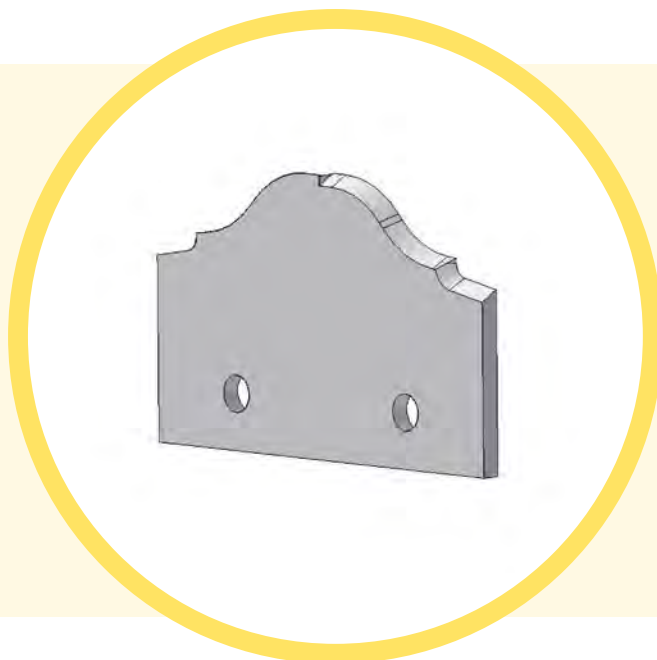
art. 4.05



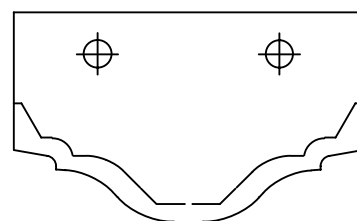
**COLTELLO HM INTEGRALE SAGOMATO DI
RICAMBIO A SPESSORE MM 2 PER ARTICOLO
3.15**



**PROFILED KNIFE IN FULL HM THICKNESS 2 MM SPARE PART
FOR ART. 3.15**



ARTICOLO ITEM
4.05/1A
4.05/2A
4.05/3A
4.05/4A
4.05/5A
4.05/1B
4.05/2B
4.05/3B
4.05/4B
4.05/1C
4.05/2C
4.05/3C
4.05/4C
4.05/5B
4.05/5C
4.05/4D



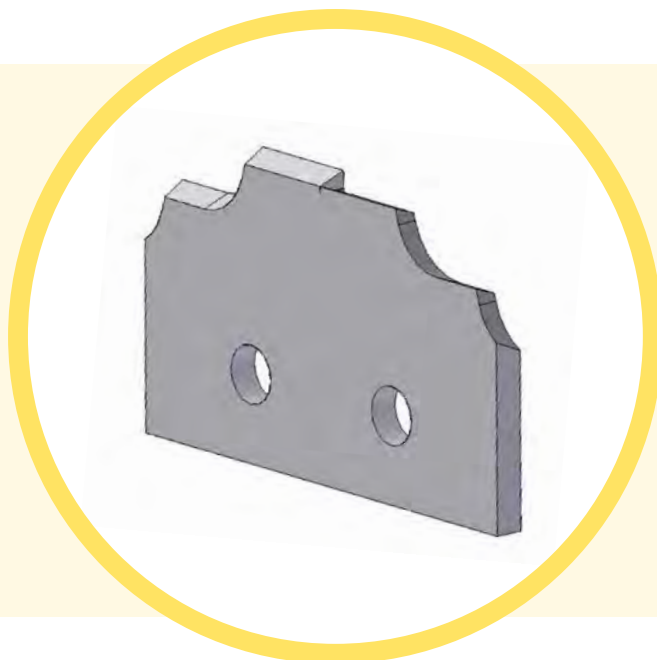
art. 4.06



**COLTELLO HM INTEGRALE SAGOMATO DI
RICAMBIO A SPESSORE MM 2 PER ARTICOLO
3.15-A**

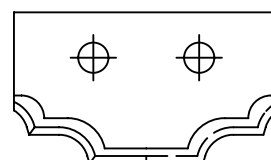


**PROFIED KNIFE IN FULL HM THICKNESS 2 MM SPARE PART
FOR ART. 3.15-A**



Cotelli di ricambio / Spare knives

ARTICOLO ITEM	LxHxS
4.06/1	30x25x2
4.06/2	35x25x2
4.06/3	50x20x2
4.06/4	20x25x2



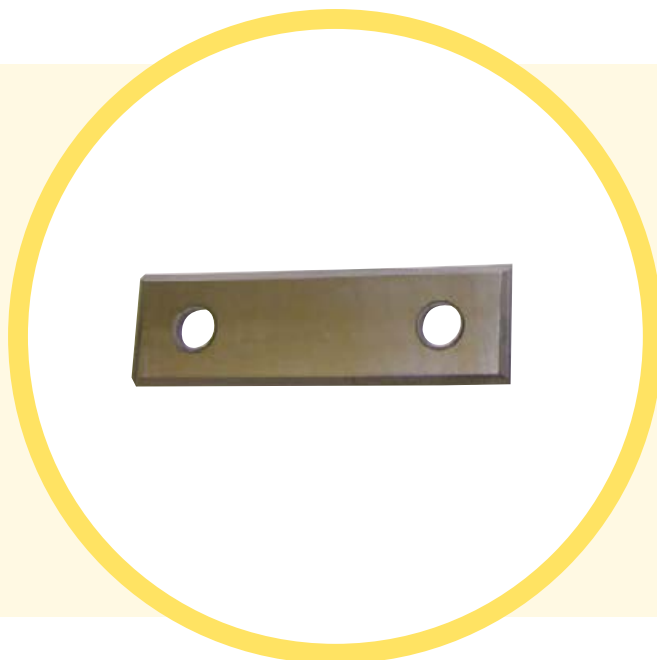
art. 4.11



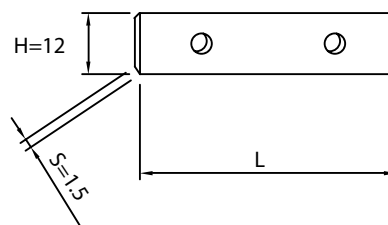
COLTELLO HM INTEGRALE REVERSIBILE



TURNOVER KNIFE IN FULL HM



ARTICOLO ITEM	LxHxS
4.11/7,5x12x1,5	7,5x12x1,5
4.11/9,6x12x1,5	9,6x12x1,5
4.11/12x12x1,5	12x12x1,5
4.11/14x14x1,2	14x14x1,2
4.11/14x14x2	14x14x2
4.11/15x12x1,5	15x12x1,5
4.11/18x18x1,9	18x18x1,9
4.11/20x12x1,5	20x12x1,5
4.11/25x12x1,5	25x12x1,5
4.11/30x9x1,5	30x9x1,5
4.11/30x10x1,5	30x10x1,5
4.11/30x12x1,5	30x12x1,5
4.11/40x12x1,5	40x12x1,5
4.11/50x10x1,5	50x10x1,5
4.11/50x11x1,5	50x11x1,5
4.11/50x12x1,5	50x12x1,5
4.11/60x12x1,5	60x12x1,5
4.11/80x13x2,2	80x13x2,2
4.11/100x13x2,2	100x13x2,2
4.11/22,9x19,8x2,5	22,86x22,86x2,5
4.11/14x14x2SM	14x14x2 smusso/ chamfer
4.11/15x15x2,5R50	15x15x2,5R50
4.11/15x15x2,5R150	15x15x2,5R150



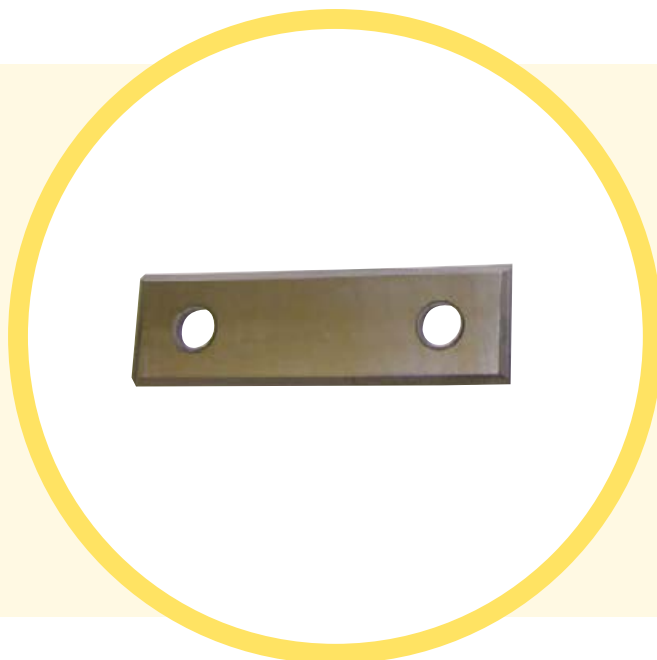
art. 4.12



**COLTELLO HM INTEGRALE REVERSIBILE
IN MICROGRANO**

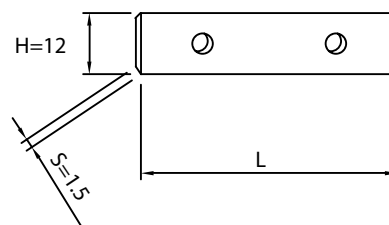


FULL HM TURNOVER KNIFE IN MICRO-GRAIN



Cotelli di ricambio / Spare knives

ARTICOLO ITEM	LxHxS
4.12/20x12x1,5	20x12x1,5
4.12/30x12x1,5	30x12x1,5
4.12/50x12x1,5	50x12x1,5



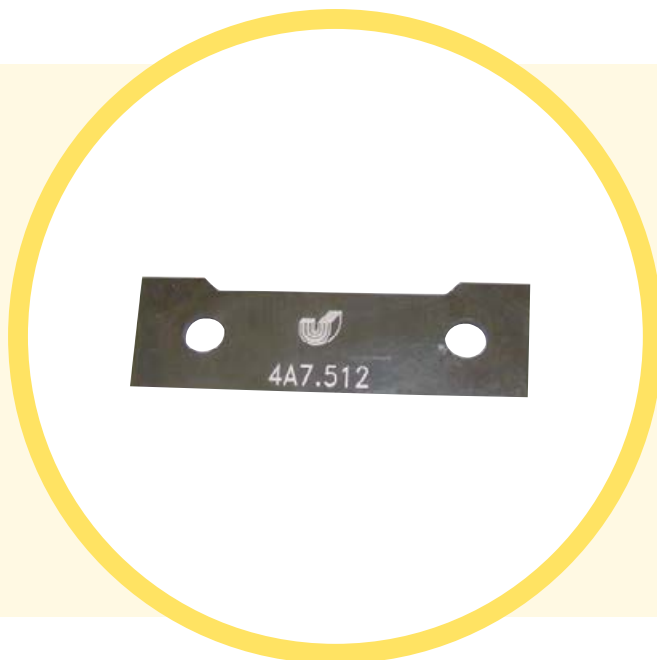
art. 4.13



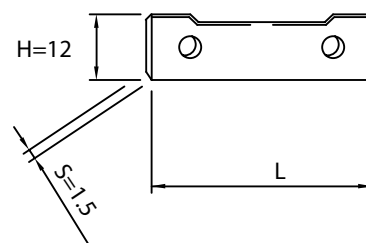
**COLTELLO HM INTEGRALE SAGOMATO A
SPESSORE MM 1,5 CON SAGOMA SINGOLA**



**FULL HM PROFILED KNIFE SINGLE SHAPE THICKNESS 1,5
MM**



ARTICOLO ITEM	LxHxS
4.13/20x12x1,5	20x12x1,5
4.13/30x12x1,5	30x12x1,5
4.13/40x12x1,5	40x12x1,5
4.13/50x12x1,5	50x12x1,5
4.13/60x12x1,5	60x12x1,5



● **I COLTELLI SONO RIAFFILABILI:**

● **KNIVES ARE RESHARPENABLE:**

art. 4.14



**COLTELLO HM INTEGRALE SAGOMATO A
SPESSORE MM 1,5 CON SAGOMA SINGOLA IN
MICROGRANO**

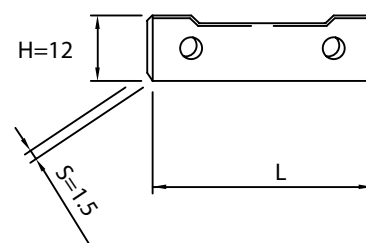


**FULL HM PROFILED KNIFE IN MICRO-GRAIN
SINGLE SHAPE KNIFE THICKNESS 1,5 MM**



Cotelli di ricambio / Spare knives

ARTICOLO ITEM	LxHxS
4.14/30x12x1,5	30x12x1,5
4.14/40x12x1,5	40x12x1,5
4.14/50x12x1,5	50x12x1,5



● **I COLTELLI SONO RIAFFILABILI:**

● **KNIVES ARE RESHARPENABLE**

art. 4.15



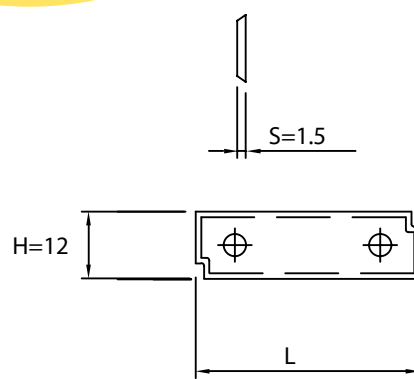
**COLTELLO HM INTEGRALE SAGOMATO A
SPESSORE MM 1,5 CON SAGOMA DOPPIA**



**PROFIED KNIFE IN FULL HM DOUBLE PROFILE
THICKNESS 1,5 MM**



ARTICOLO ITEM	LxHxS
4.15/20x12x1,5	20x12x1,5
4.15/30x12x1,5	30x12x1,5
4.15/40x12x1,5	40x12x1,5
4.15/50x12x1,5	50x12x1,5
4.15/60x12x1,5	60x12x1,5



● **I COLTELLI SONO RIAFFILABILI:**

● **KNIVES ARE RESHARPENABLE:**

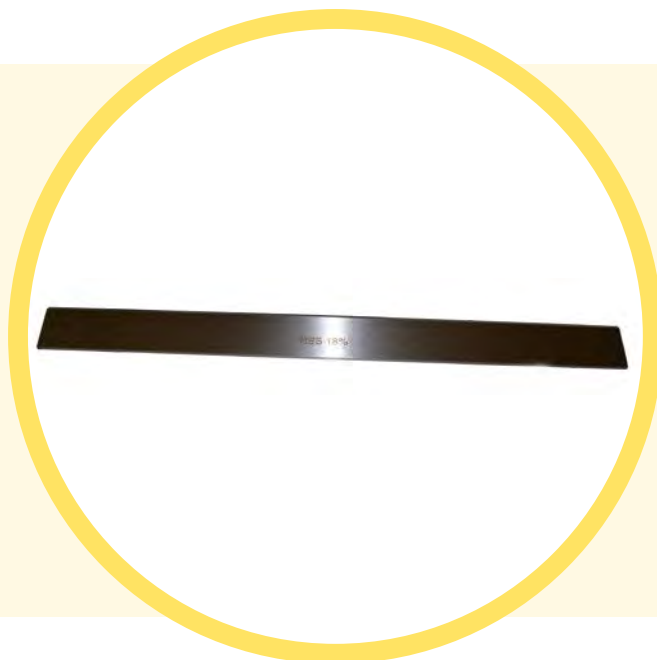
art. 4.21



COLTELLO DI RICAMBIO HSS 18% PER TESTE PIALLA

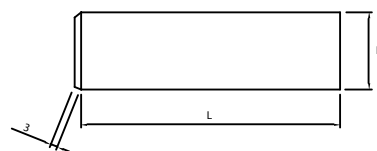


SPARE PART KNIFE IN HSS 18 % FOR PLANING HEADS



Cotelli di ricambio / Spare knives

ARTICOLO ITEM	LUNGHEZZA LENGHT	H	SPESSORE THICKNESS
4.21/120	120	30	3
4.21/210	210	30	3
4.21/300	300	30	3
4.21/400	400	30	3
4.21/500	500	30	3
4.21/600	600	30	3
4.21/710	710	30	3
4.21/810	810	30	3
4.21/1050	1050	30	3



AFFILATURA / SHARPENING

ARTICOLO ITEM	LUNGHEZZA LENGHT
4.21/AFF01	Fino 400 mm
4.21/AFF02	Oltre 400 mm

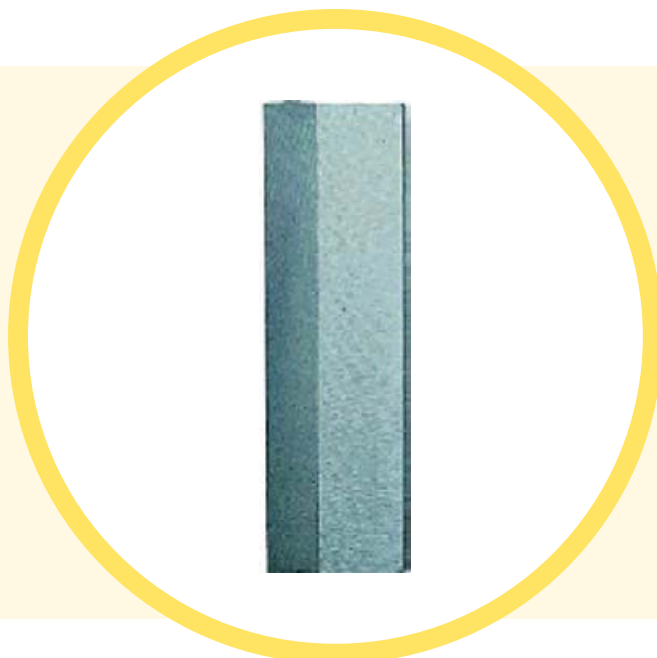
art. 4.22



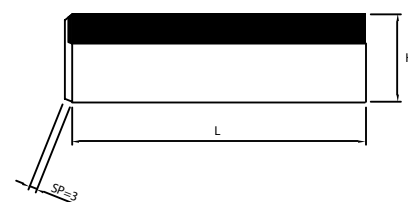
COLTELLO DI RICAMBIO HM PER TESTE PIALLA



SPARE PART KNIFE IN HM FOR PLANING HEADS



ARTICOLO ITEM	LUNGHEZZA LENGHT	H	SPESSORE THICKNESS
4.22/130	130	30	3
4.22/230	230	30	3
4.22/300	300	30	3
4.22/400	400	30	3
4.22/500	500	30	3
4.22/600	600	30	3
4.22/810	810	30	3
4.22/1050	1050	30	3



AFFILATURA / SHARPENING

ARTICOLO ITEM	LUNGHEZZA LENGHT
4.22/AFF01	Fino 400 mm
4.22/AFF02	Oltre 400 mm

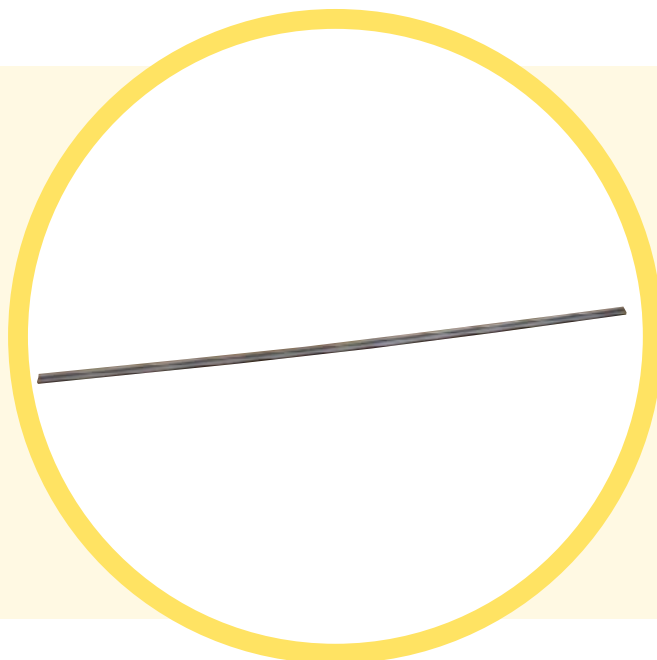
art. 4.23



COLTELLO TIPO TERSA HSS



TERSА HSS KNIFE



Cotelli di ricambio / Spare knives

ARTICOLO ITEM	LUNGHEZZA LENGHT
4.23/100	100
4.23/200	200
4.23/300	300
4.23/400	400
4.23/500	500
4.23/600	600
4.23/700	700
4.23/800	800
4.23/900	900
4.23/ 1000	1000
4.23/1100	1100
4.23/1200	1200

AFFILATURA / SHARPENING

ARTICOLO ITEM	LUNGHEZZA LENGHT
4.23/AFF 01	Affilatura

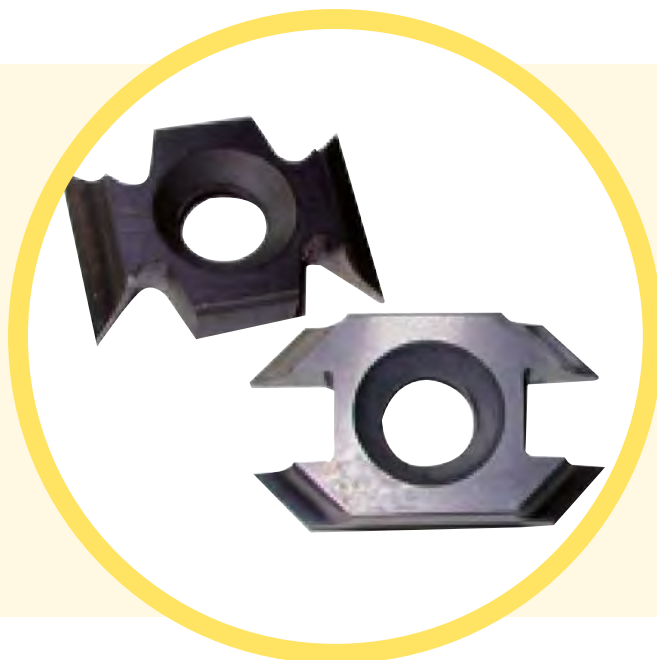
art. 4.31



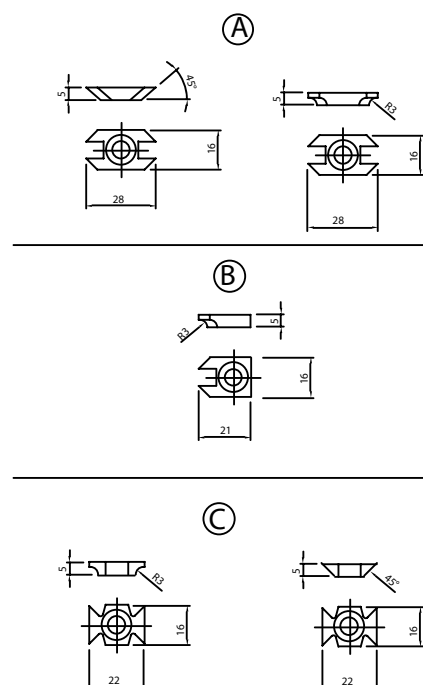
INSERTO SPIGOLATORE HM INTEGRALE



EDGE-BREAKER KNIFE IN FULL HM



ARTICOLO ITEM	DESCRIZIONE DESCRIPTION
A	
4.31/45°	45° / 45°
4.31/R2	Raggio 2
4.31/R3	Raggio 3
B	
4.31/45°T	45° tagliati
4.31/R2T	Raggio 2 tagliati
4.31/R3T	Raggio 3 tagliati
C	
4.31/45°/F	45° a farfalla
4.31/R2/F	Raggio 2 a farfalla
4.31/R3/F	Raggio 3 a farfalla
4.31/SPEC	Speciali



art. 4.32



INSERTO SPIGOLATORE REGOLABILE 45°

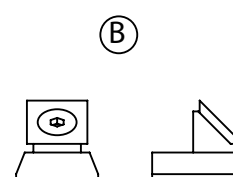
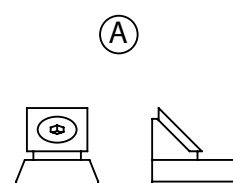


ADJUSTABLE EDGE-BREAKER 45°



Cotelli di ricambio / Spare knives

ARTICOLO ITEM	DESCRIZIONE DESCRIPTION
4.32/A	FIGURA TIPO A
4.32/B	FIGURA TIPO B



art. 4.41



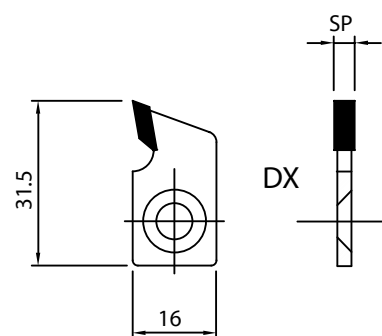
INSERTO HM PER CANALI



HM GROOVING INSERT



ARTICOLO ITEM	SPESSORE THICKNESS
4.41/3	3 dx-sx
4.41/4	4 dx-sx
4.41/5	5 dx-sx
4.41/6	6 dx-sx



art. 4.42



INSERTO HM INTEGRALE PER CANALI

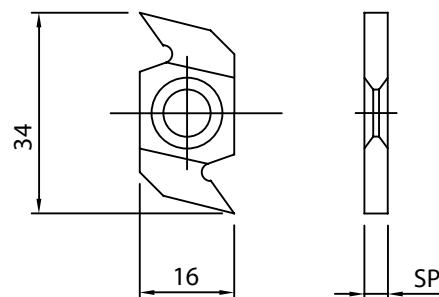


FULL HM GROOVING INSERT



Cotelli di ricambio / Spare knives

ARTICOLO ITEM	SPESSORE THICKNESS
4.42/3	34x16x3 dx-sx
4.42/4	34x16x4 dx-sx
4.42/5	34x16x5 dx-sx
4.42/6	34x16x6 dx-sx
4.42/7	34x16x7 dx-sx
4.42/sag	Sagomati



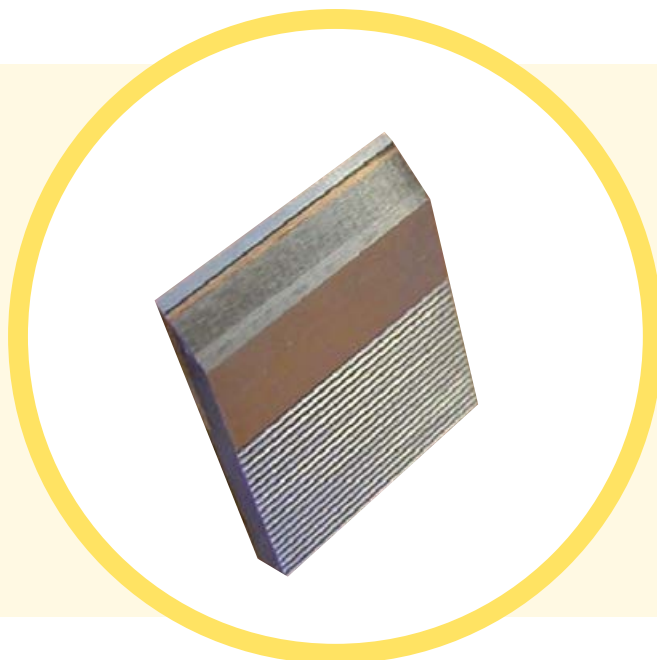
art. 4.50



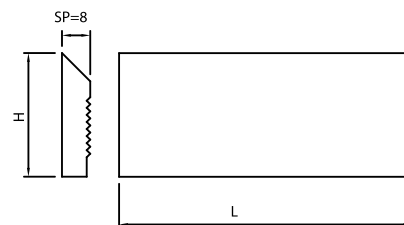
COLTELLO RIGATO HSS NON SAGOMATO



SERRATED HSS KNIFE NOT PROFILED



ARTICOLO ITEM	LxHxS
4.50/040x50x8	40x50x8
4.50/060x50x8	60x50x8
4.50/080x50x8	80x50x8
4.50/100x50x8	100x50x8
4.50/120x50x8	120x50x8
4.50/130x50x8	130x50x8
4.50/150x50x8	150x50x8
4.50/180x50x8	180x50x8
4.50/230x50x8	230x50x8
4.50/260x50x8	260x50x8
4.50/635x50x8	635x50x8
4.50/650x50x8	650x50x8
4.50/040x60x8	40x60x8
4.50/060x60x8	60x60x8
4.50/080x60x8	80x60x8
4.50/100x60x8	100x60x8
4.50/120x60x8	120x60x8
4.50/130x60x8	130x60x8
4.50/150x60x8	150x60x8
4.50/180x60x8	180x60x8
4.50/230x60x8	230x60x8
4.50/260x60x8	260x60x8
4.50/635x60x8	635x60x8
4.50/650x60x8	650x60x8



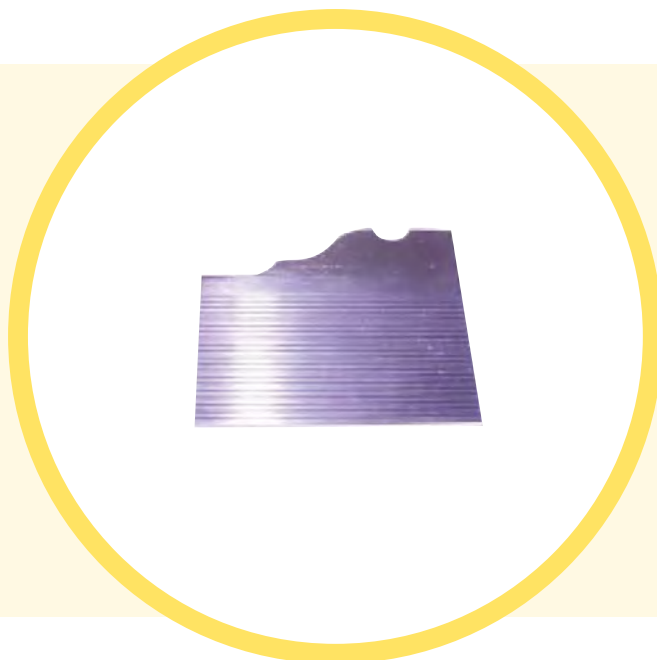
art. 4.51



COLTELLO ZIGRINATO SAGOMATO

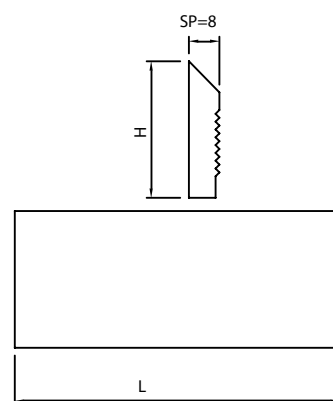


PROFILED SERRATED KNIFE



Cotelli di ricambio / Spare knives

ARTICOLO ITEM	LxHxS
4.51/50x50	50x50x8
4.51/50x60	50x60x8
4.51/50x70	50x70x8
4.51/60x50	60x50x8
4.51/60x60	60x60x8
4.51/60x70	60x70x8
4.51/80x50	80x50x8
4.51/80x60	80x60x8
4.51/80x70	80x70x8
4.51/100x50	100x50x8
4.51/100x60	100x60x8
4.51/100x70	100x70x8
4.51/180x50	180x50x8
4.51/180x60	180x60x8
4.51/180x70	180x70x8
4.51/230x50	230x50x8
4.51/230x60	230x60x8
4.51/230x70	230x70x8



art. 4.52



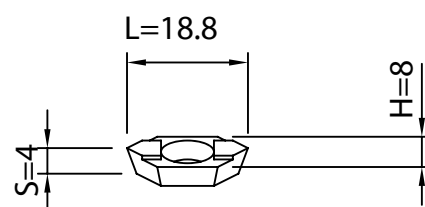
RASANTE PER LEVANODI PORTACOLTELLI



SHAVING FOR HINGE BORING BIT WITH KNIVES



ARTICOLO ITEM	LxHxS
4.52	18,8x8x4



AFFILATURA / SHARPENING

ARTICOLO ITEM	LxHxS
4.52/AFF	18,8x8x4

art. 4.53



RASANTE RAGGIATORE TIPO R



ROUNDING SHAVING TYPE R



Cotelli di ricambio / Spare knives

ARTICOLO ITEM	DESCRIZIONE DESCRIPTION
4.53/20x16	Rasante Raggiatore 20x16

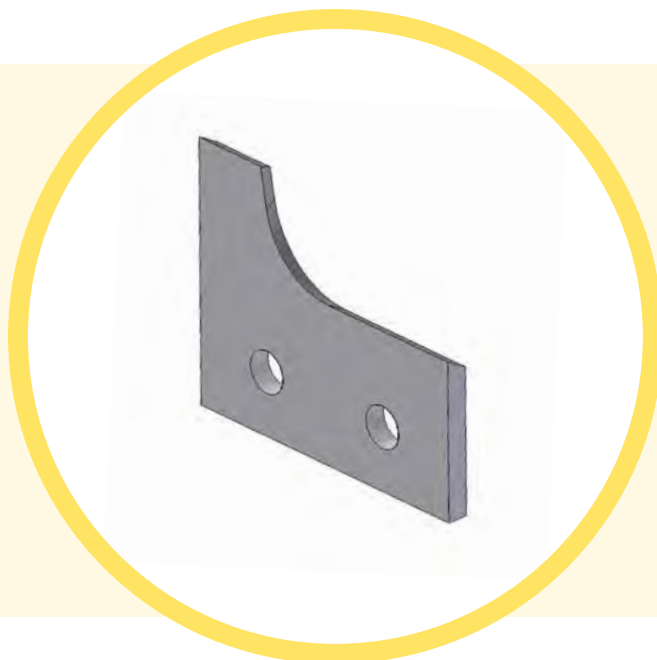
art. 4.101



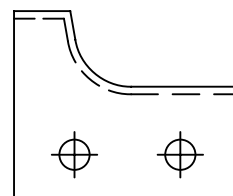
**COLTELLO HM INTEGRALE SAGOMATO DI
RICAMBIO A SPESSORE MM 2 PER ARTICOLO
3.16**



**FULL HM PROFILED KNIFE THICKNESS 2 MM SPARE PART
FOR ART. 3.16**



ARTICOLO ITEM	LxHxS
4.101/03x20	30x25x2 R=3
4.101/05x20	30x25x2 R=5
4.101/06x20	30x25x2 R=6
4.101/7,5x20	30x25x2 R=7,5
4.101/10x20	30x30x2 R=10
4.101/12,5x20	30x30x2 R=12,5
4.101/15x20	30x35x2 R=15
4.101/17,5x20	30x35x2 R=17,5
4.101/03x25	35x25x2 R=3
4.101/05x25	35x25x2 R=5
4.101/06x25	35x25x2 R=6
4.101/7,5x25	35x25x2 R=7,5
4.101/10x25	35x30x2 R=10
4.101/12,5x25	35x30x2 R=12,5
4.101/15x25	35x35x2 R=15
4.101/17,5x25	35x35x2 R=17,5
4.101/10x30	40x30x2 R=10
4.101/12,5x30	40x30x2 R=12,5
4.101/15x30	40x35x2 R=15
4.101/17,5x30	40x35x2 R=17,5



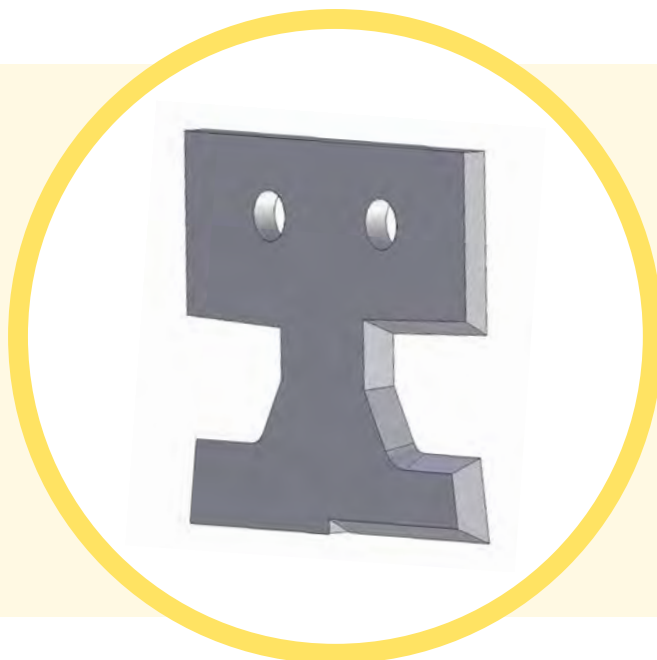
art. 4.103



**COLTELLO HM INTEGRALE SAGOMATO DI
RICAMBIO A SPESSORE MM 2 PER ARTICOLO
3.25**

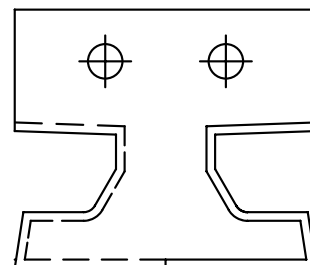


**FULL HM PROFILED KNIFE THICKNESS 2 MM SPARE PART
FOR ART. 3.25**



Cotelli di ricambio / Spare knives

ARTICOLO ITEM	LxHxS
4.103/A	30x30x2
4.103/B	35x30x2
4.103/C	40x42x2



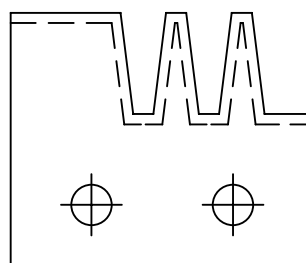
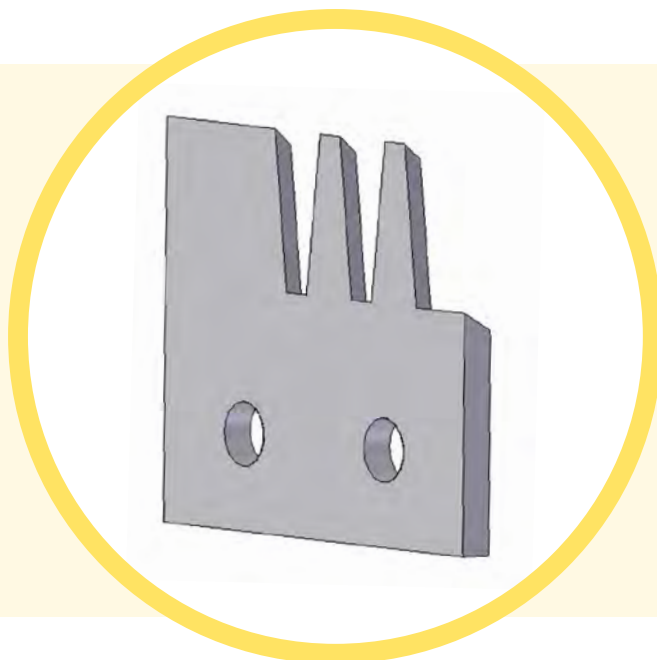
art. 4.105



**COLTELLO HM INTEGRALE SAGOMATO DI
RICAMBIO A SPESSORE MM 2 PER ARTICOLO
3.32**



**FULL HM PROFILED KNIFE THICKNESS 2 MM SPARE PART
FOR ART. 3.32**



ARTICOLO ITEM	LxHxS
4.105/A	30x25x2

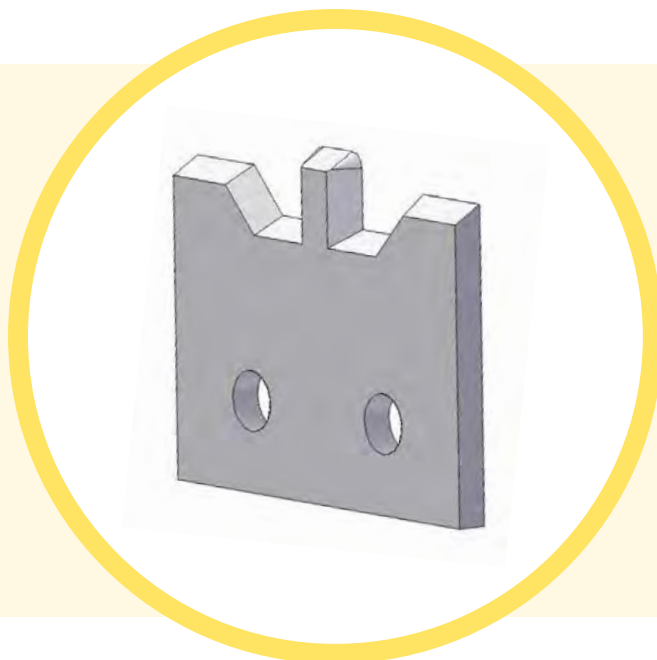
art. 4.106



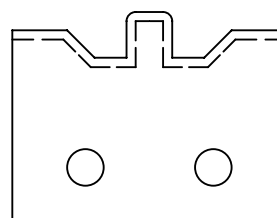
COLTELLO HM INTEGRALE SAGOMATO DI RICAMBIO A SPESSORE MM 2 PER ARTICOLO 3.34



FULL HM PROFILED KNIFE THICKNESS 2 MM SPARE PART FOR ART. 3.34



Cotelli di ricambio / Spare knives



ARTICOLO ITEM	LxHxS
4.106M	30x25x2
4.106F	30x20x2

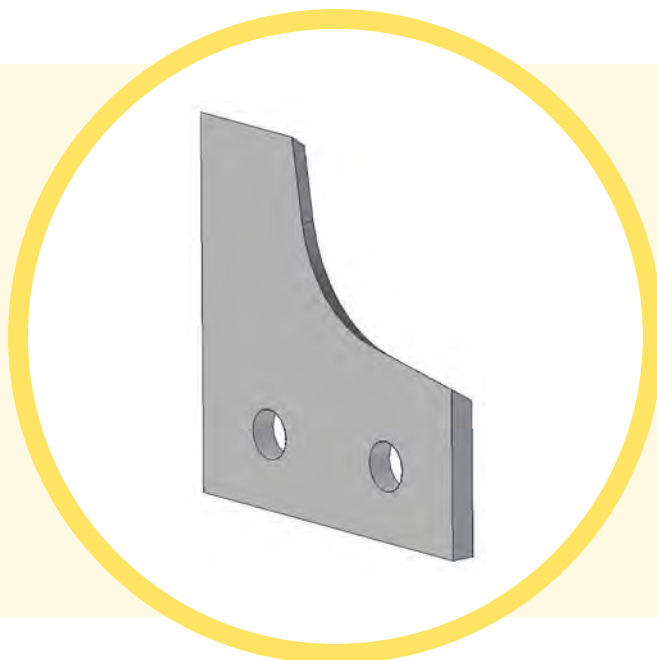
art. 4.109



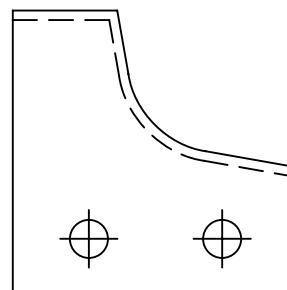
**COLTELLO HM INTEGRALE SAGOMATO DI
RICAMBIO A SPESSORE MM 2 PER ARTICOLO
3.41**



**FULL HM PROFILED KNIFE THICKNESS 2 MM SPARE
PART FOR ART. 3.41**



ARTICOLO ITEM	LxHxS
4.109/3	20x25x2 R=3
4.109/5	20x25x2 R=5
4.109/6	20x25x2 R=6
4.109/7,5	20x25x2 R=7,5
4.109/10	30x30x2 R=10
4.109/12,5	30x30x2 R=12,5
4.109/15	30x30x2 R=15
4.109/17,5	30x35x2 R=17,5
4.109/20	30x35x2 R=20
4.109/25	40x45x2 R=25
4.109/30	40x45x2 R=30



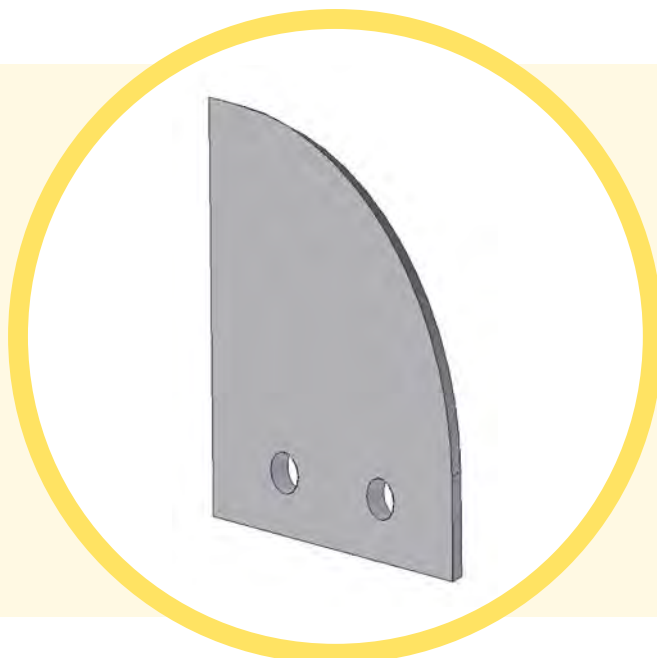
art. 4.110



COLTELLO HM INTEGRALE SAGOMATO DI RICAMBIO A SPESSORE MM 2 PER ARTICOLO 3.42

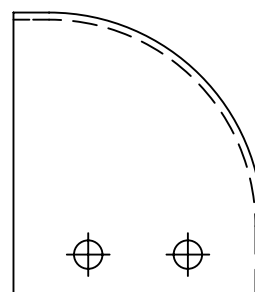


FULL HM PROFILED KNIFE THICKNESS 2 MM SPARE PART FOR ART. 3.42



Cotelli di ricambio / Spare knives

ARTICOLO ITEM	LxHxS
4.110/03	20x20x2 R=3
4.110/05	20x20x2 R=5
4.110/06	20x20x2 R=6
4.110/7,5	20x20x2 R=7,5
4.110/10	30x25x2 R=10
4.110/12,5	30x25x2 R=12,5
4.110/15	30x25x2 R=15
4.110/17,5	30x30x2 R=17,5
4.110/20	30x30x2 R=20
4.110/25	35x40x2 R=25
4.110/30	35x40x2 R=30



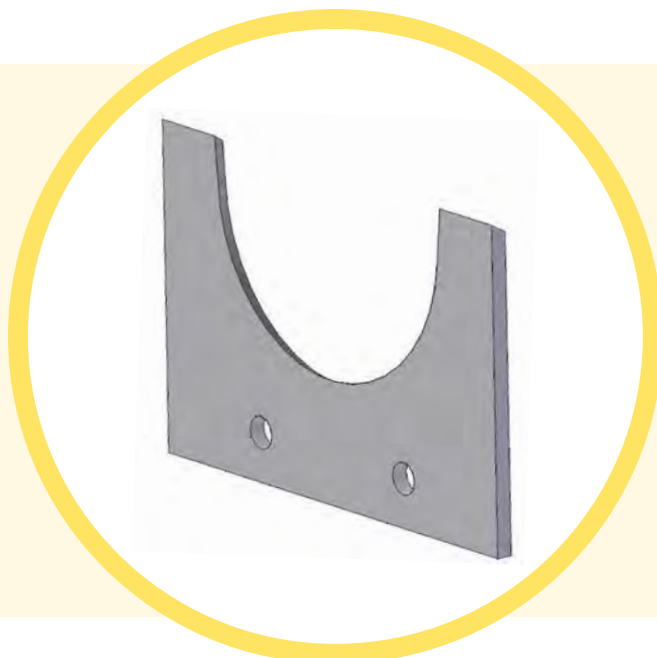
art. 4.115



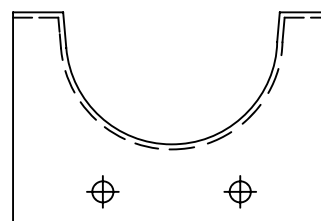
**COLTELLO HM INTEGRALE SAGOMATO DI
RICAMBIO A SPESSORE MM 2 PER ARTICOLO
3.43**



**FULL HM PROFILED KNIFE THICKNESS 2 MM SPARE
PART FOR ART. 3.43**



ARTICOLO ITEM	LxHxS
4.115/5	30x25x2 R=5
4.115/7,5	30x25x2 R=7,5
4.115/10	40x30x2 R=10
4.115/12,5	40x30x2 R=12,5
4.115/15	60x40x2 R=15
4.115/17,5	60x40x2 R=17,5
4.115/20	60x40x2 R=20
4.115/22,5	80x50x2 R=22,5
4.115/25	80x50x2 R=25
4.115/30	80x50x2 R=30



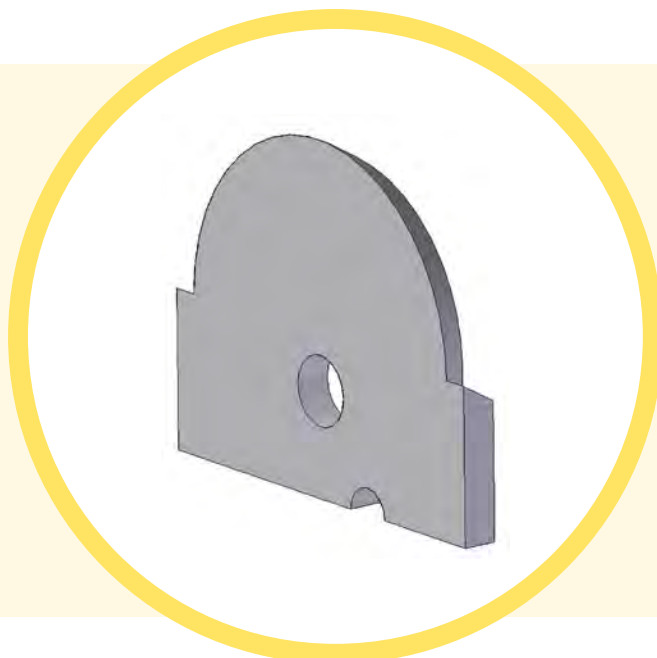
art. 4.118



COLTELLO HM INTEGRALE SAGOMATO DI RICAMBIO A SPESSORE MM 2 PER ARTICOLO 3.44

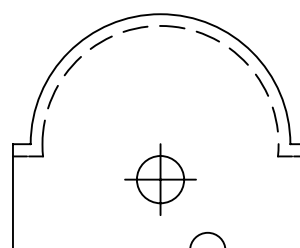


FULL HM PROFILED KNIFE THICKNESS 2 MM SPARE PART FOR ART. 3.44



Cotelli di ricambio / Spare knives

ARTICOLO ITEM	LxHxS
4.118/7,5	20x20x2
4.118/10	
4.118/12,5	30x25x2
4.118/15	



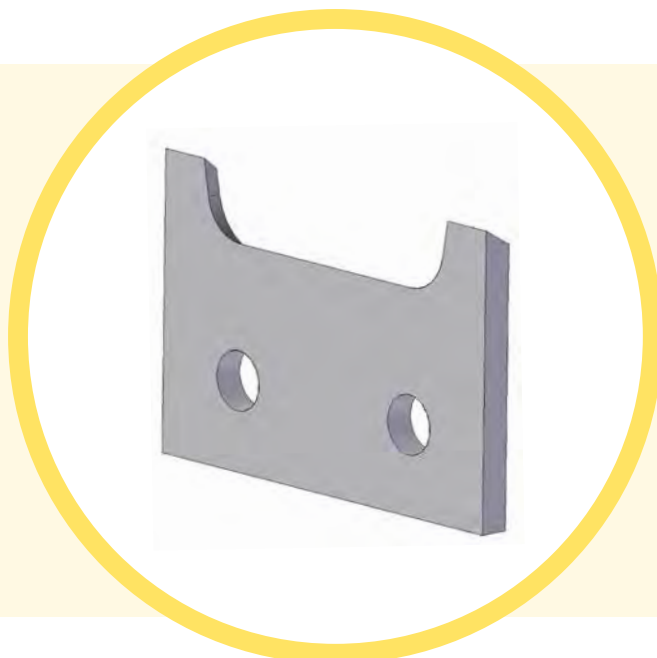
art. 4.119



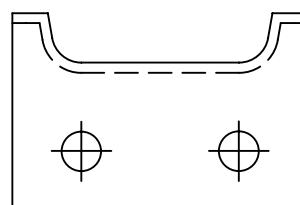
COLTELLO HM INTEGRALE SAGOMATO DI RICAMBIO A SPESSORE MM 2 PER ARTICOLO 3.46



FULL HM PROFILED KNIFE THICKNESS 2 MM SPARE PART FOR ART. 3.46



ARTICOLO ITEM	LxHxS
4.119/1x18	30x20x2 R=1
4.119/1x20	
4.119/2x18	30x20x2 R=2
4.119/2x20	
4.119/3x18	30x20x2 R=3
4.119/3x20	
4.119/3x22	
4.119/4x18	30x20x2 R=4
4.119/4x20	
4.119/4x22	
4.119/5x18	30x20x2 R=5
4.119/5x20	
4.119/5x22	
4.119/22x3	30x20x2 22x3x45°
4.119/22x4	30x20x2 22x4x45°
4.119/22x5	30x20x2 22x5x45°
4.119/20x5	30x20x2 20x5x45°
4.119/18x5	30x20x2 18x5x45°



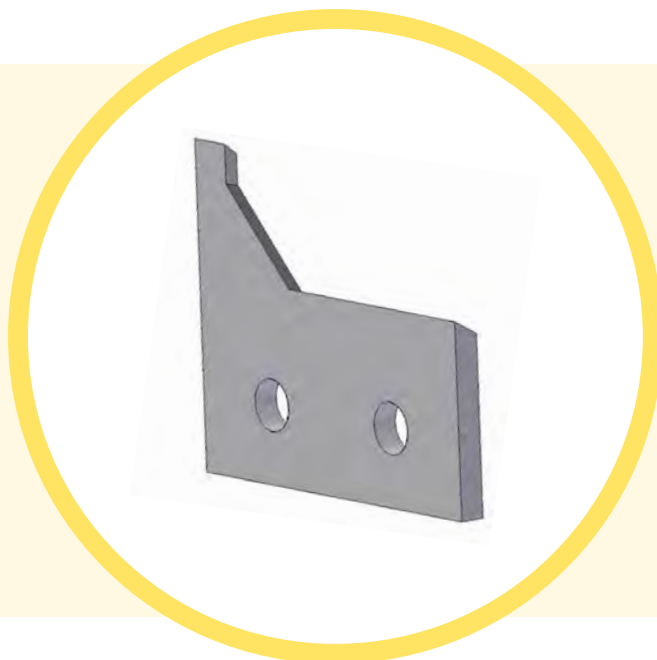
art. 4.121



COLTELLO HM INTEGRALE SAGOMATO DI RICAMBIO A SPESSORE MM 2 PER ARTICOLO 3.46-A

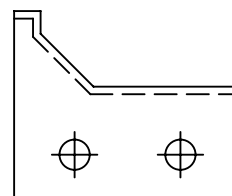


FULL HM PROFILED KNIFE THICKNESS 2 MM SPARE PART FOR ART. 3.46-A



Cotelli di ricambio / Spare knives

ARTICOLO ITEM	LxHxS
4.121/1x30	30x25x2 R=1
4.121/2x30	30x25x2 R=2
4.121/3x30	30x25x2 R=3
4.121/4x30	30x25x2 R=4
4.121/5x30	30x25x2 R=5
4.121/1x15	15x20x2 R=1
4.121/2x15	15x20x2 R=2
4.121/3x15	15x20x2 R=3
4.121/4x15	15x20x2 R=4
4.121/5x15	15x20x2 R=5
4.121/30x1	30x25x2 30x1x45°
4.121/30x2	30x25x2 30x2x45°
4.121/30x3	30x25x2 30x3x45°
4.121/30x4	30x25x2 30x4x45°
4.121/30x5	30x25x2 30x5x45°
4.121/15x1	15x20x2 15x1x45°
4.121/15x2	15x20x2 15x2x45°
4.121/15x3	15x20x2 15x3x45°
4.121/15x4	15x20x2 15x4x45°
4.121/15x5	15x20x2 15x5x45°



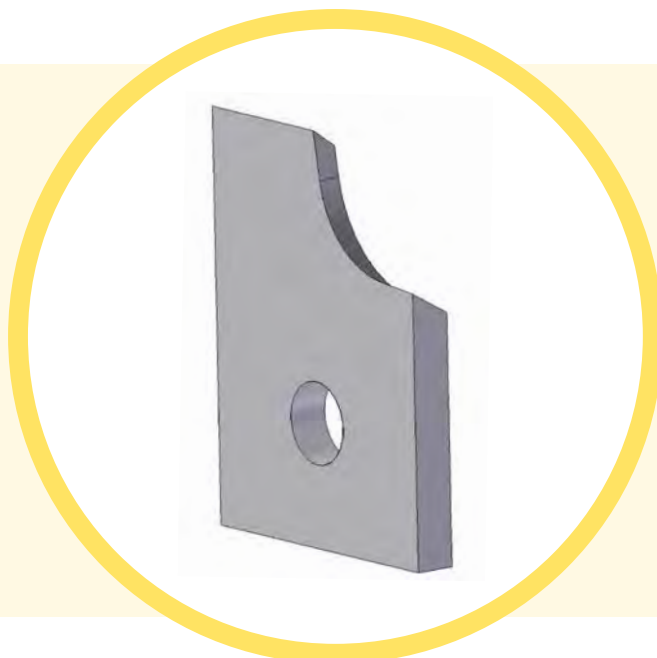
art. 4.122



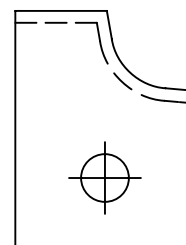
**COLTELLO HM INTEGRALE SAGOMATO DI
RICAMBIO A SPESSORE MM 2 PER ARTICOLO
3.46-B**



**FULL HM PROFILED KNIFE THICKNESS 2 MM SPARE PART
FOR ART. 3.46-B**



ARTICOLO ITEM	LxHxS
4.122/1x15 dx	15x20x2 R=1
4.122/2x15 dx	15x20x2 R=2
4.122/3x15 dx	15x20x2 R=3
4.122/4x15 dx	15x20x2 R=4
4.122/5x15 dx	15x20x2 R=5
4.122/15x1 dx	15x20x2 15x1x45°
4.122/15x2 dx	15x20x2 15x2x45°
4.122/15x3 dx	15x20x2 15x3x45°
4.122/15x4 dx	15x20x2 15x4x45°
4.122/15x5 dx	15x20x2 15x5x45°
4.122/1x15 sx	15x20x2 R=1
4.122/2x15 sx	15x20x2 R=2
4.122/3x15 sx	15x20x2 R=3
4.122/4x15 sx	15x20x2 R=4
4.122/5x15 sx	15x20x2 R=5
4.122/15x1 sx	15x20x2 15x1x45°
4.122/15x2 sx	15x20x2 15x2x45°
4.122/15x3 sx	15x20x2 15x3x45°
4.122/15x4 sx	15x20x2 15x4x45°
4.122/15x5 sx	15x20x2 15x5x45°
4.11/25x12x1,5	25x12x1,5



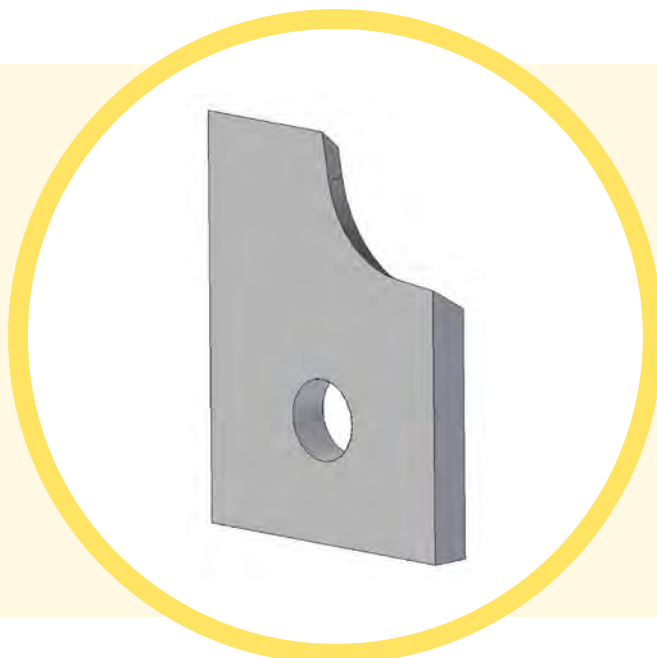
art. 4.125



COLTELLO HM INTEGRALE SAGOMATO DI RICAMBIO A SPESSORE MM 2 PER ARTICOLO 3.48

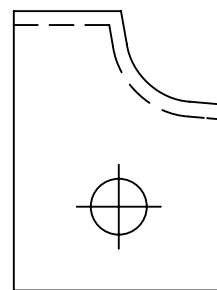


FULL HM PROFILED KNIFE THICKNESS 2 MM SPARE PART FOR ART. 3.48



Cotelli di ricambio / Spare knives

ARTICOLO ITEM	LxHxS
4.125/1dx	15x20x2 R=1
4.125/2dx	15x20x2 R=2
4.125/3dx	15x20x2 R=3
4.125/4dx	15x20x2 R=4
4.125/5dx	15x20x2 R=5
4.125/45dx	15x20x2 R=45°
4.125/1sx	15x20x2 R=1
4.125/2sx	15x20x2 R=2
4.125/3sx	15x20x2 R=3
4.125/4sx	15x20x2 R=4
4.125/5sx	15x20x2 R=5
4.125/45sx	15x20x2 R=45°



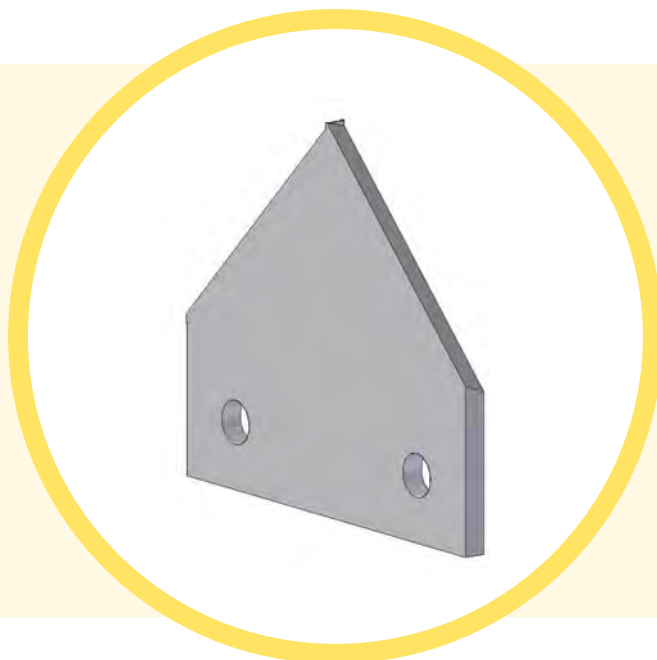
art. 4.131



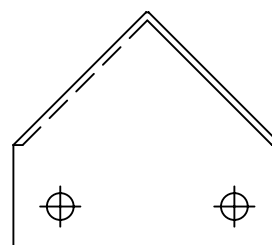
**COLTELLO HM INTEGRALE SAGOMATO
DI RICAMBIO A SPESSORE MM 2 PER
ARTICOLO 3.54**



**FULL HM PROFILED KNIFE THICKNESS 2 MM SPARE PART
FOR ART. 3.54**



ARTICOLO ITEM	LxHxS
4.131/35	35x30x2
4.131/40	40x35x2
4.131/50	50x35x2
4.131/60	60x40x2



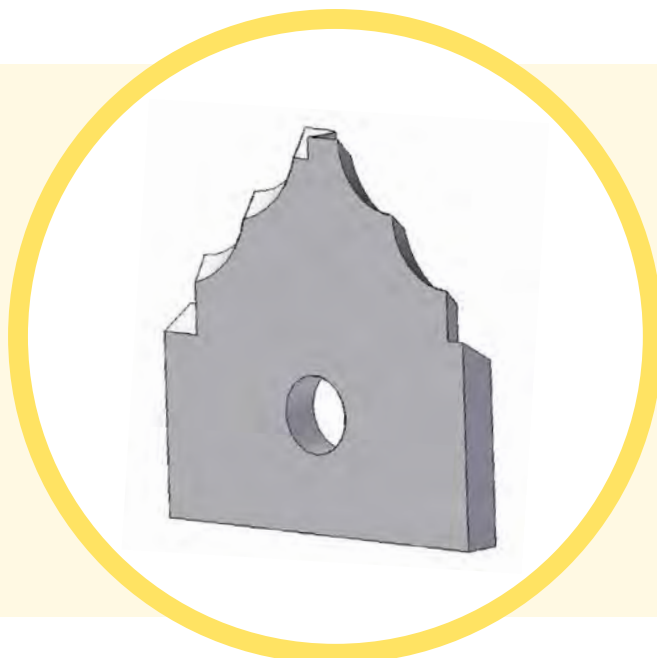
art. 4.1001



**COLTELLO HM INTEGRALE SAGOMATO
DI RICAMBIO A SPESSORE MM 2 PER
ARTICOLO 3.101**

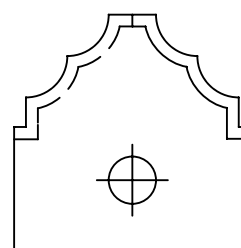


**FULL HM PROFILED KNIFE THICKNESS 2 MM SPARE
PART FOR ART. 3.101**



Cotelli di ricambio / Spare knives

ARTICOLO ITEM	LxHxS
4.1001/1	20x20x2
4.1001/2	
4.1001/3	
4.1001/4	
4.1001/5	
4.1001/6	
4.1001/7	
4.1001/8	
4.1001/9	
4.1001/10	
4.1001/11	
4.1001/12	
4.1001/13	
4.1001/14	
4.1001/15	
4.1001/16	
4.1001/17	
4.1001/18	
4.1001/19	
4.1001/20	



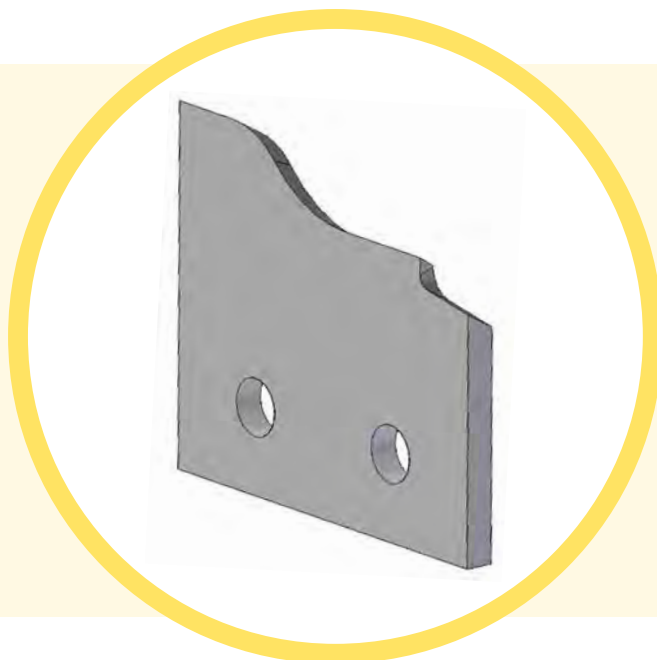
art. 4.1011



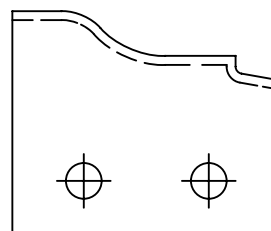
**COLTELLO HM INTEGRALE SAGOMATO
DI RICAMBIO A SPESSORE MM 2 PER
ARTICOLO 3.111**



**FULL HM PROFILED KNIFE THICKNESS 2 MM SPARE
PART FOR ART. 3.111**



ARTICOLO ITEM	LxHxS
4.1011/1	25x25x2
4.1011/2	
4.1011/3	
4.1011/4	
4.1011/5	
4.1011/6	
4.1011/7	
4.1011/8	



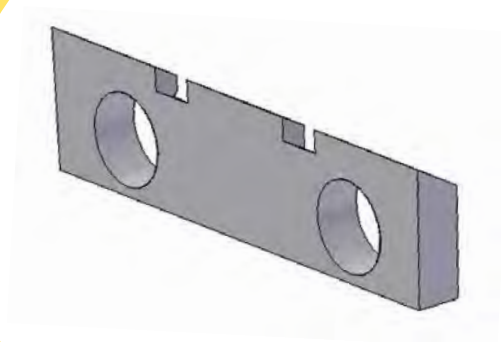
art. 4.1041



**COLTELLO HM INTEGRALE SAGOMATO DI
RICAMBIO A SPESSORE MM 2 PER ARTICOLO
3.541**



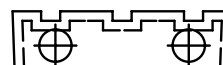
**FULL HM PROFILED KNIFE THICKNESS 2 MM SPARE
PART FOR ART. 3.541**



Cotelli di ricambio / Spare knives

ARTICOLO ITEM	LxHxS
4.1041/1	23x7x1,5
4.1041/2	

4.1041/1



4.1041/2



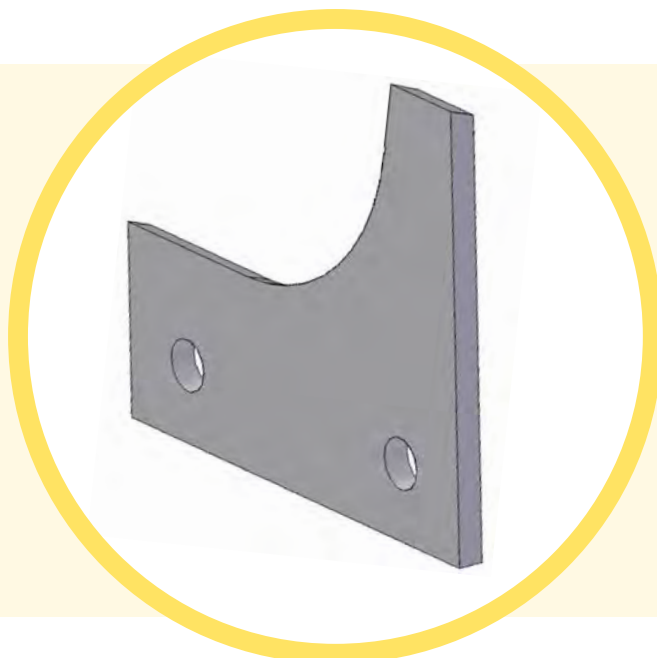
art. 4.5011



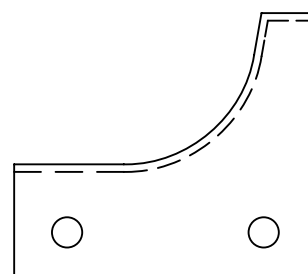
**COLTELLO HM INTEGRALE SAGOMATO
DI RICAMBIO A SPESSORE MM 2 PER
ARTICOLO 1.16**



**FULL HM PROFILED KNIFE THICKNESS 2 MM SPARE
PART FOR ART. 1.16**



ARTICOLO ITEM	LxHxS
4.5011/3x20	30x25x2 R=3
4.5011/5x20	30x25x2 R=5
4.5011/6x20	30x25x2 R=6
4.5011/7,5x20	30x25x2 R=7,5
4.5011/10x20	30x30x2 R=10
4.5011/12,5x20	30x30x2 R=12,5
4.5011/15x20	30x35x2 R=15
4.5011/17,5x20	30x35x2 R=17,5
4.5011/3x25	35x25x2 R=3
4.5011/5x25	35x25x2 R=5
4.5011/6x25	35x25x2 R=6
4.5011/7,5x25	35x25x2 R=7,5
4.5011/10x25	35x30x2 R=10
4.5011/12,5x25	35x30x2 R=12,5
4.5011/15x25	35x35x2 R=15
4.5011/17,5x25	35x35x2 R=17,5
4.5011/10x25	40x30x2 R=10
4.5011/12,5x25	40x30x2 R=12,5
4.5011/15x25	40x35x2 R=15
4.5011/17,5x25	40x35x2 R=17,5



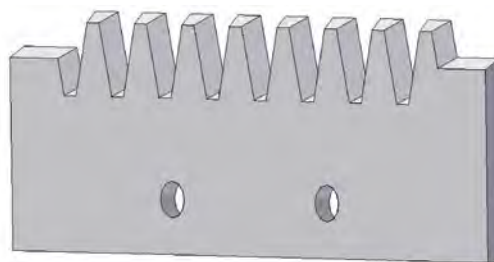
art. 4.5015



**COLTELLO HM INTEGRALE SAGOMATO
DI RICAMBIO A SPESSORE MM 2 PER
ARTICOLO 1.32**

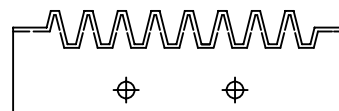


**FULL HM PROFILED KNIFE THICKNESS 2 MM SPARE
PART FOR ART. 1.32**



Cotelli di ricambio / Spare knives

ARTICOLO ITEM	LxHxS
4.5015/40	40x25x2
4.5015/50	50x25x2
4.5015/60	60x25x2
4.5015/70	70x25x2
4.5015/80	80x25x2



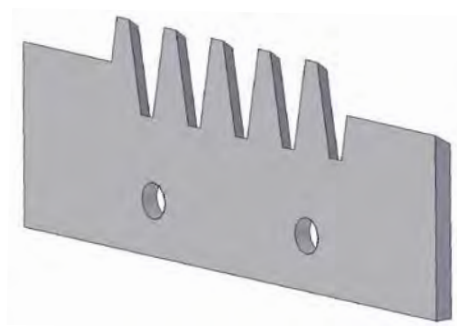
art. 4.5016



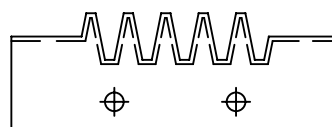
**COLTELLO HM INTEGRALE SAGOMATO DI
RICAMBIO A SPESSORE MM 2 PER ARTICOLO
1.32-A**



**FULL HM PROFILED KNIFE KNIFE THICKNESS 2 MM
SPARE PART FOR ART. 1.32-A**



ARTICOLO ITEM	LxHxS
4.5016/40	40x25x2
4.5016/50	50x25x2
4.5016/60	60x25x2
4.5016/70	70x25x2
4.5016/80	80x25x2



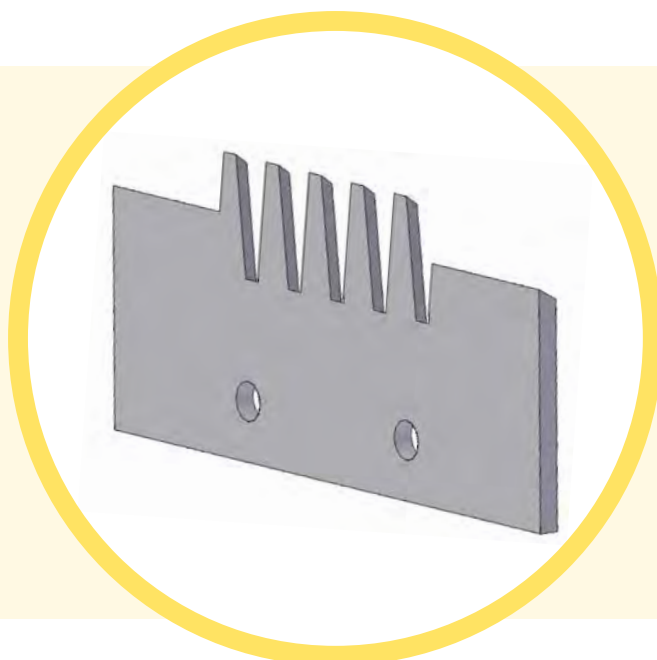
art. 4.5017



**COLTELLO HM INTEGRALE SAGOMATO
DI RICAMBIO A SPESSORE MM 2 PER
ARTICOLO 1.32-B**

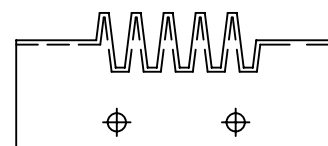


**FULL HM PROFILED KNIFE THICKNESS 2 MM SPARE
PART FOR ART. 1.32-B**



Cotelli di ricambio / Spare knives

ARTICOLO ITEM	LxHxS
4.5017/40	40x30x2
4.5017/50	50x30x2
4.5017/60	60x30x2
4.5017/70	70x30x2
4.5017/80	80x30x2



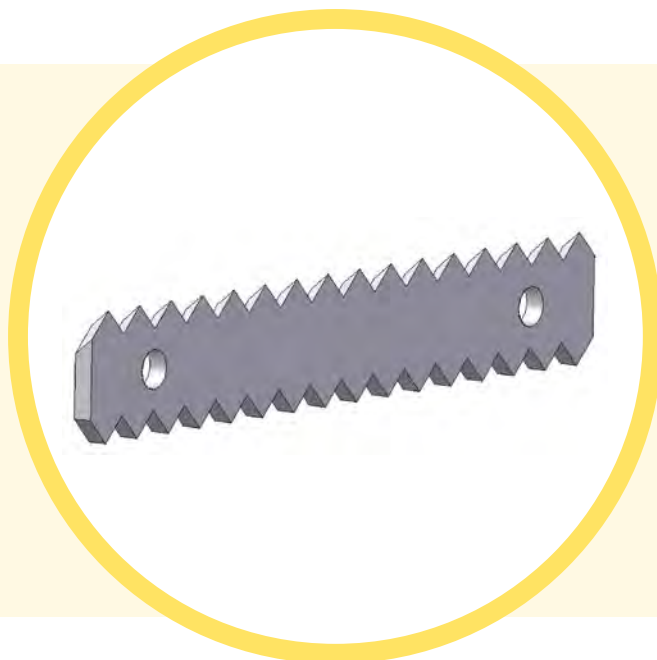
art. 4.5018



**COLTELLO HM INTEGRALE SAGOMATO
DI RICAMBIO A SPESSORE MM 2 PER
ARTICOLO 1.33**



**FULL HM PROFILED KNIFE THICKNESS 2 MM SPARE
PART FOR ART. 1.33**



ARTICOLO ITEM	LxHxS
4.5018/50	50x12x1,5
4.5018/80	80x13x2,2



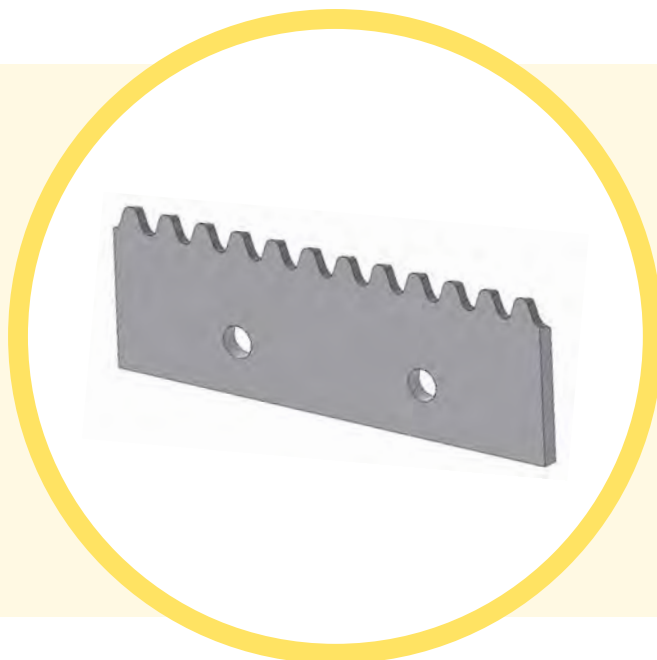
art. 4.5019



**COLTELLO HM INTEGRALE SAGOMATO DI
RICAMBIO A SPESSORE MM 2 PER ARTICOLO
1.33-A**

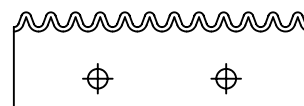


**FULL HM PROFILED KNIFE THICKNESS 2 MM SPARE
PART FOR ART. 1.33-A**



Cotelli di ricambio / Spare knives

ARTICOLO ITEM	LxHxS
4.5019/60	60x20x2



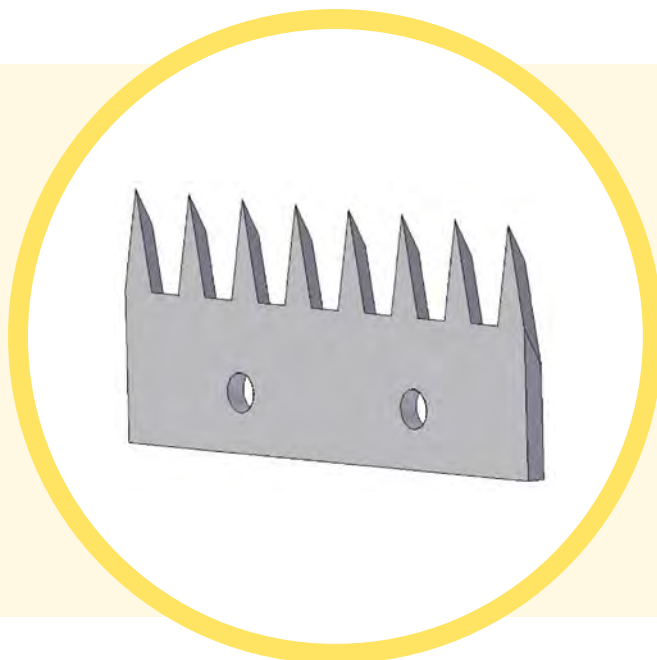
art. 4.5020



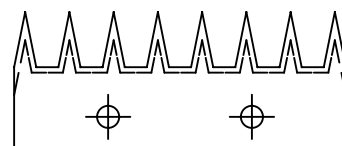
**COLTELLO HM INTEGRALE SAGOMATO DI
RICAMBIO A SPESSORE MM 2 PER ARTICOLO
1.34**



**FULL HM PROFILED KNIFE THICKNESS 2 MM SPARE
PART FOR ART. 1.34**



ARTICOLO ITEM	LxHxS
4.5020/60A	60x25x2
4.5020/60B	
4.5020/80A	80x25x2
4.5020/80B	



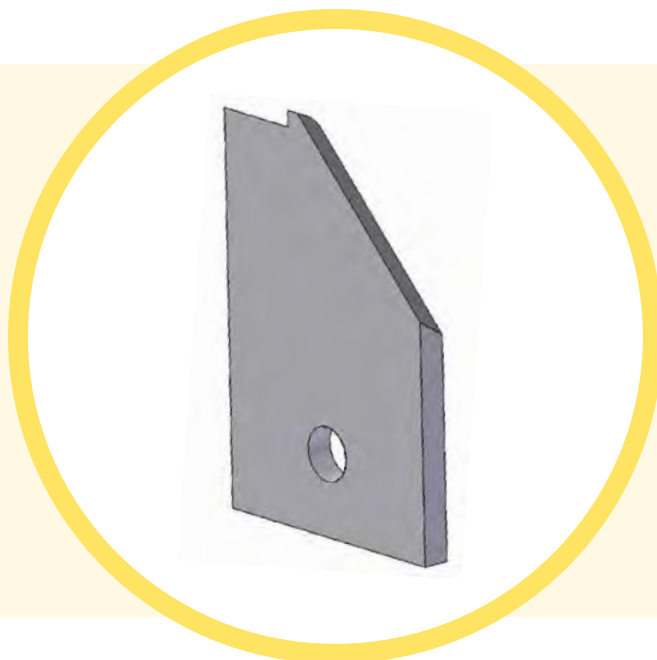
art. 4.5021



COLTELLO HM INTEGRALE SAGOMATO DI RICAMBIO A SPESSORE MM 2 PER ARTICOLO 1.35

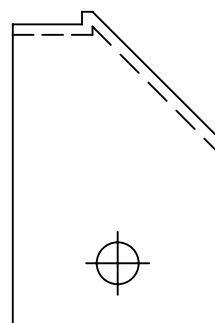


FULL HM PROFILED KNIFE 2 MM THICKNESS SPARE PART FOR ART. 1.35



Cotelli di ricambio / Spare knives

ARTICOLO ITEM	LxHxS
4.5021/20A	20x25x2
4.5021/20B	20x30x2
4.5021/3,5	16x34x3,2



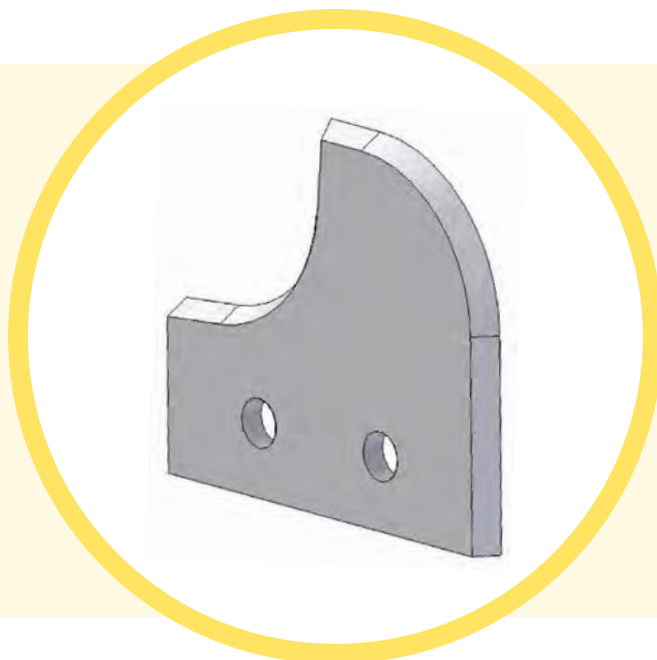
art. 4.5025



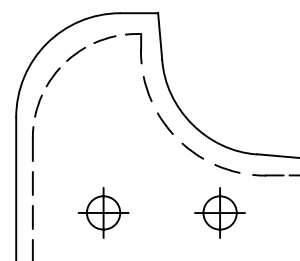
**COLTELLO HM INTEGRALE SAGOMATO DI
RICAMBIO A SPESSORE MM 2 PER ARTICOLO
1.37**



**FULL HM PROFILED KNIFE THICKNESS 2 MM SPARE
PART FOR ART. 1.37**



ARTICOLO ITEM	LxHxS
4.5025/5	30x30x2 R=5
4.5025/7,5	30x30x2 R=7,5
4.5025/10	30x30x2 R=10
4.5025/12,5	35x30x2 R=12,5
4.5025/15	35x30x2 R=15



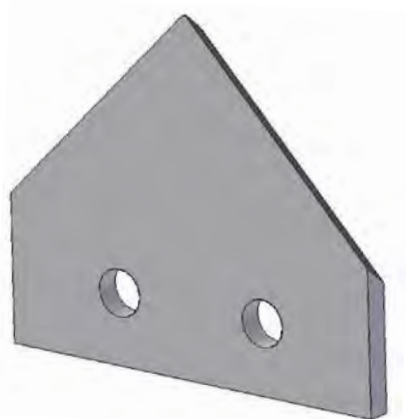
art. 4.5091



**COLTELLO HM INTEGRALE SAGOMATO DI
RICAMBIO A SPESSORE MM 2 PER ARTICOLO
1.54**

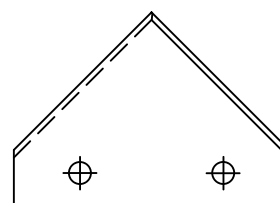


**FULL HM PROFILED KNIFE THICKNESS 2 MM SPARE
PART FOR ART. 1.54**



Cotelli di ricambio / Spare knives

ARTICOLO ITEM	LxHxS
4.5091/35	35x30x2



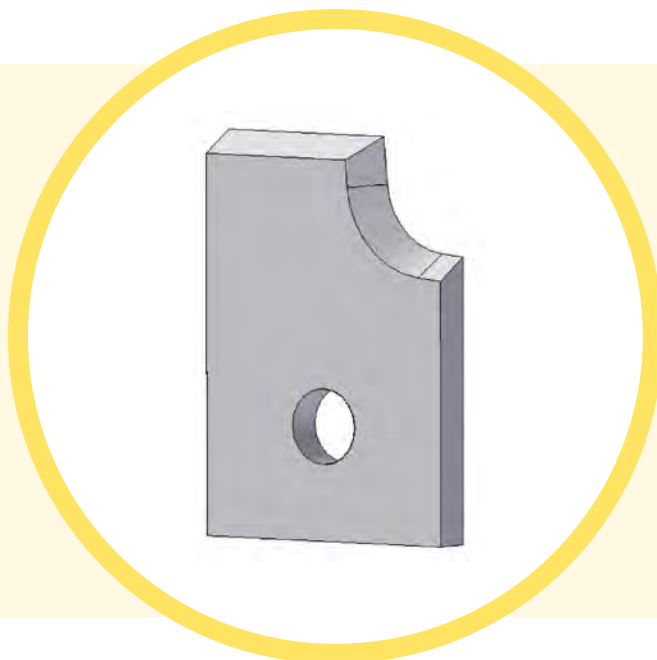
art. 4.5101



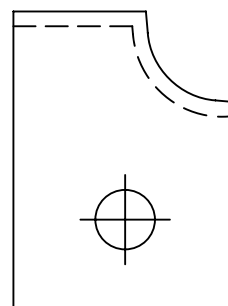
**COLTELLO HM INTEGRALE SAGOMATO DI
RICAMBIO A SPESSORE MM 2 PER ARTICOLO
1.61**



**FULL HM PROFILED KNIFE THICKNESS 2 MM SPARE
PART FOR ART.1.61**



ARTICOLO ITEM	LxHxS
4.5101/2	15x20x2 R=2
4.5101/3	15x20x2 R=3
4.5101/4	15x20x2 R=4
4.5101/5	15x20x2 R=5
4.5101/45	15x20x2 R=45°
4.5101/2	15x20x2 R=2
4.5101/3	15x20x2 R=3
4.5101/4	15x20x2 R=4
4.5101/5	15x20x2 R=5
4.5101/45	15x20x2 R=45°



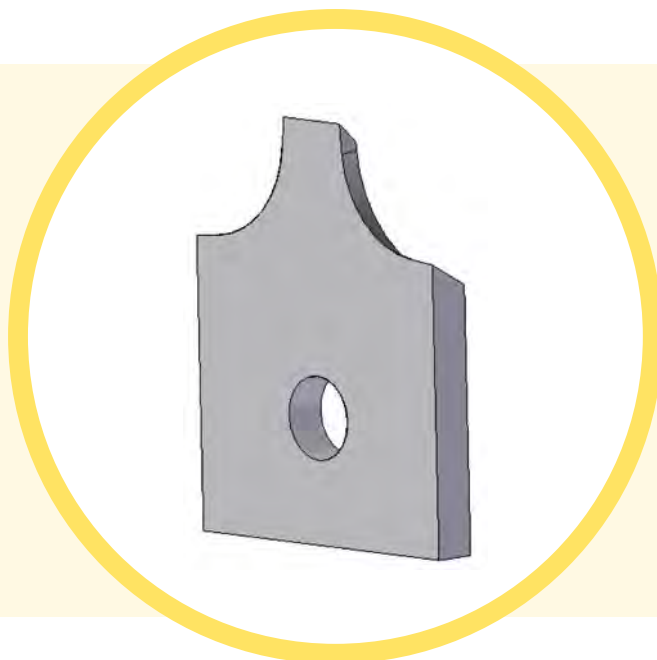
art. 4.5102



**COLTELLO HM INTEGRALE SAGOMATO DI
RICAMBIO A SPESSORE MM 2 PER ARTICOLO
1.62**

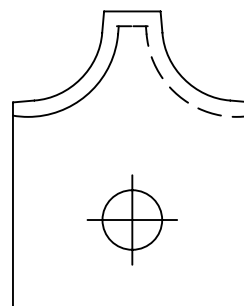


**FULL HM PROFILED KNIFE THICKNESS 2 MM SPARE
PART FOR ART. 1.62**



Cotelli di ricambio / Spare knives

ARTICOLO ITEM	LxHxS
4.5102/2	16x20x2 R=2
4.5102/3	16x20x2 R=3
4.5102/4	16x20x2 R=4
4.5102/5	16x20x2 R=5
4.5102/45	16x20x2 R=45°



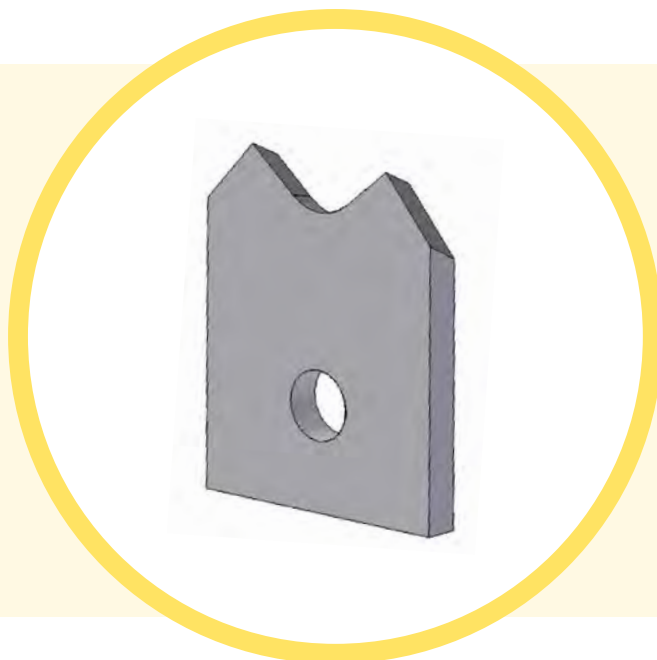
art. 4.5107



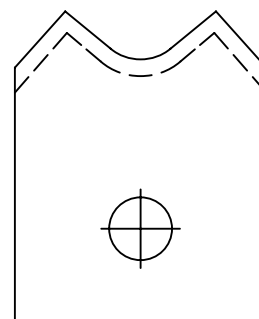
**COLTELLO HM INTEGRALE SAGOMATO DI
RICAMBIO A SPESSORE MM 2 PER ARTICOLO
1.65**



**FULL HM PROFILED KNIFE THICKNESS 2 MM SPARE
PART FOR ART. 1.65**



ARTICOLO ITEM	LxHxS
4.5107/1	16x20x2 R=1
4.5107/2	16x20x2 R=2
4.5107/3	16x20x2 R=3



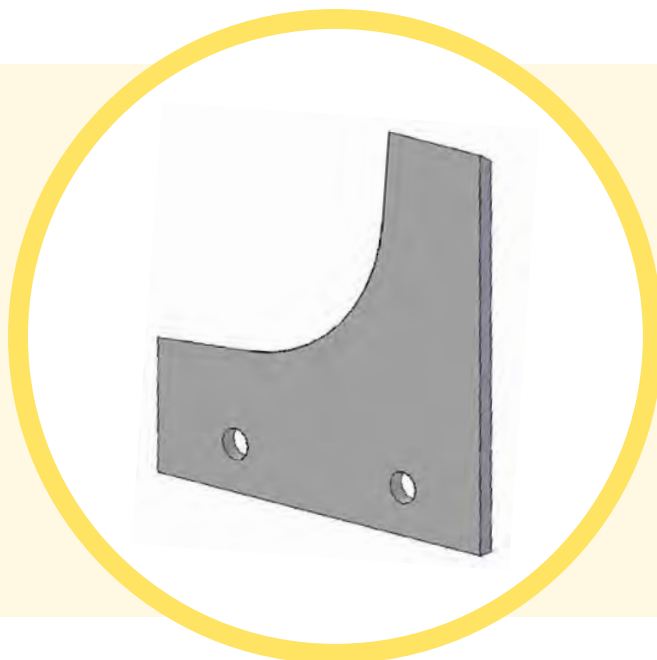
art. 4.5109



COLTELLO HM INTEGRALE SAGOMATO DI RICAMBIO A SPESSORE MM 2 PER ARTICOLO 1.41

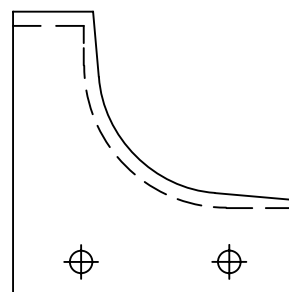


FULL HM PROFILED KNIFE THICKNESS 2 MM SPARE PART FOR ART. 1.41



Cotelli di ricambio / Spare knives

ARTICOLO ITEM	LxHxS
4.5109/5	25x25x2 R=5
4.5109/6	25x25x2 R=6
4.5109/7.5	25x25x2 R=7.5
4.5109/10	25x25x2 R=10
4.5109/12.5	35x35x2 R=12.5
4.5109/15	35x35x2 R=15
4.5109/17.5	35x35x2 R=17.5
4.5109/20	35x35x2 R=20
4.5109/22.5	50x50x2 R=22.5
4.5109/25	50x50x2 R=25
4.5109/30	50x50x2 R=30



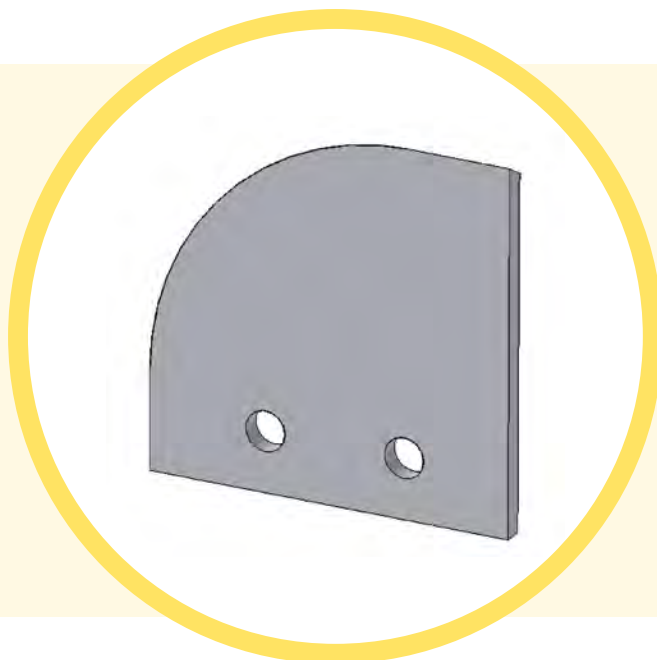
art. 4.5110



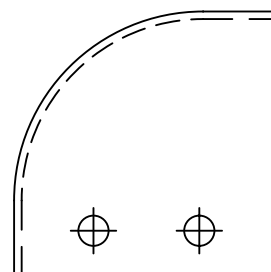
**COLTELLO HM INTEGRALE SAGOMATO
DI RICAMBIO A SPESSORE MM 2 PER
ARTICOLO 1.42**



**FULL HM PROFILED KNIFE THICKNESS 2 MM SPARE
PART FOR ART. 1.42**



ARTICOLO ITEM	LxHxS
4.5110/3	20x20x2 R=3
4.5110/5	20x20x2 R=5
4.5110/6	20x20x2 R=6
4.5110/7,5	20x20x2 R=7,5
4.5110/10	25x25x2 R=10
4.5110/12,5	25x25x2 R=12,5
4.5110/15	25x25x2 R=15
4.5110/17,5	30x30x2 R=17,5
4.5110/20	30x30x2 R=20
4.5110/25	35x35x2 R=25
4.5110/30	35x35x2 R=30



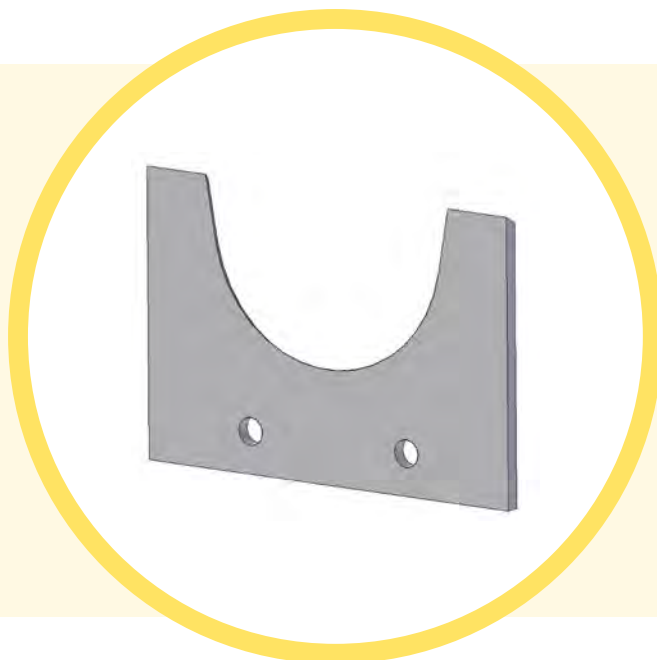
art. 4.5115



**COLTELLO HM INTEGRALE SAGOMATO
DI RICAMBIO A SPESSORE MM 2 PER
ARTICOLO 1.43**

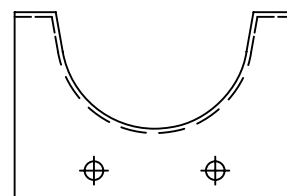


**FULL HM PROFILED KNIFE THICKNESS 2 MM SPARE
PART FOR ART. 1.43**



Cotelli di ricambio / Spare knives

ARTICOLO ITEM	LxHxS
4.5115/5	30x25x2 R=5
4.5115/6	30x25x2 R=6
4.5115/7,5	30x25x2 R=7,5
4.5115/10	30x25x2 R=10
4.5115/12,5	40x30x2 R=12,5
4.5115/15	40x30x2 R=15
4.5115/17,5	60x40x2 R=17,5
4.5115/20	60x40x2 R=20
4.5115/22,5	60x40x2 R=22,5
4.5115/25	80x45x2 R=25
4.5115/30	80x45x2 R=30



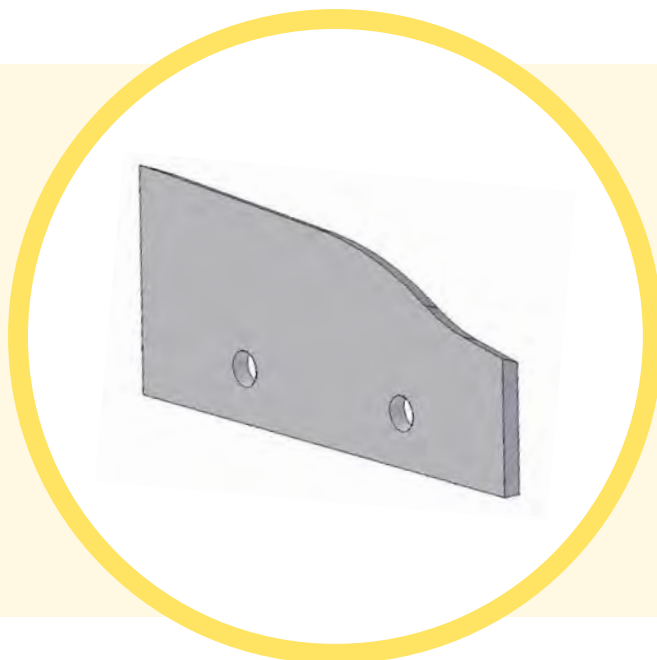
art. 4.5116



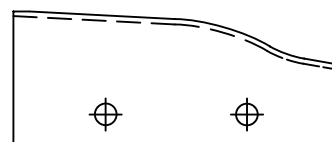
**COLTELLO HM INTEGRALE SAGOMATO
DI RICAMBIO A SPESSORE MM 2 PER
ARTICOLO 1.43-A**



**FULL HM PROFILED KNIFE THICKNESS 2 MM SPARE
PART FOR ART. 1.43-A**



ARTICOLO ITEM	LxHxS
4.5116/5,5	20x25x2



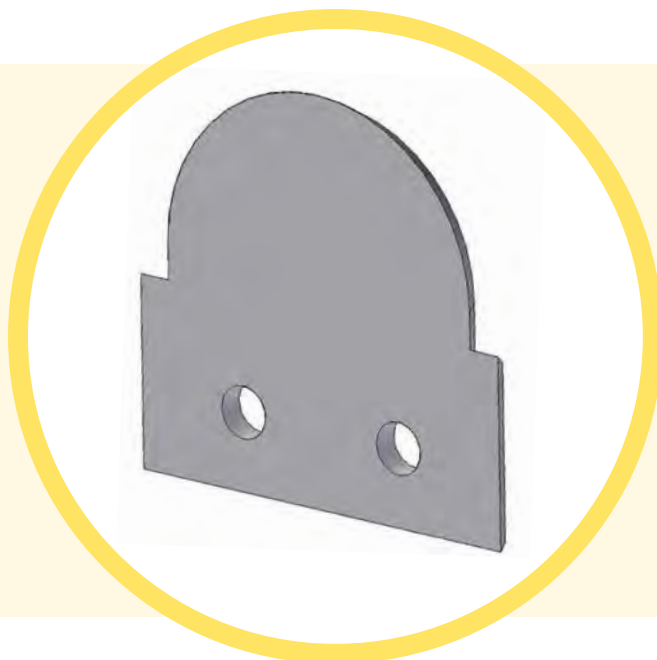
art. 4.5118



**COLTELLO HM INTEGRALE SAGOMATO DI
RICAMBIO A SPESSORE MM 2 PER ARTICOLO
1.44**

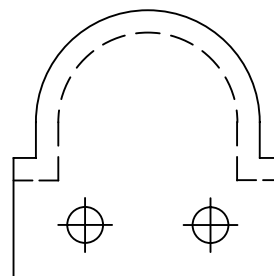


**FULL HM PROFILED KNIFE THICKNESS 2 MM SPARE
PART FOR ART. 1.44**



Cotelli di ricambio / Spare knives

ARTICOLO ITEM	LxHxS
4.5118/7,5	20x25x2 R=7,5
4.5118/10	20x25x2 R=10
4.5118/12,5	30x30x2 R=12,5
4.5118/15	30x30x2 R=15



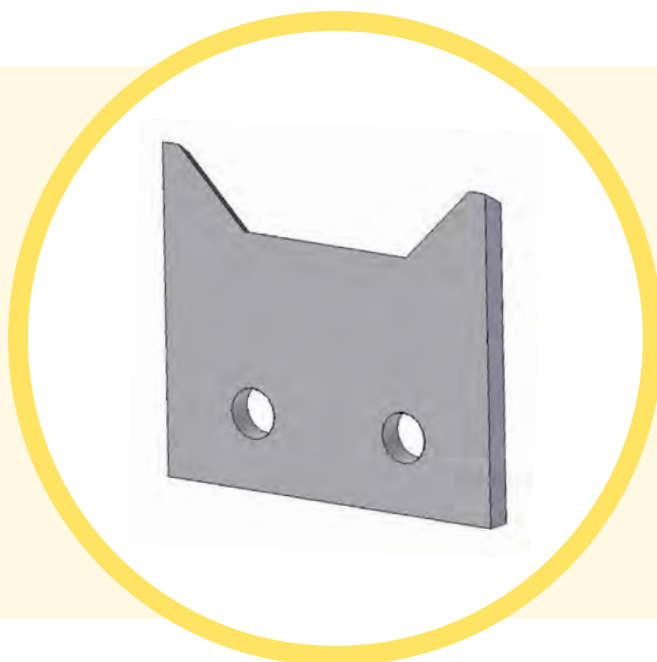
art. 4.5122



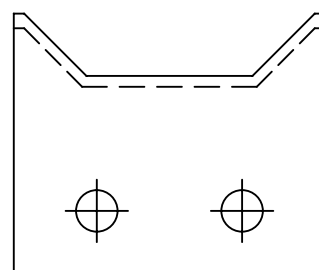
**COLTELLO HM INTEGRALE SAGOMATO DI
RICAMBIO A SPESSORE MM 2 PER ARTICOLO
1.46**



**FULL HM PROFILED KNIFE THICKNESS 2 MM SPARE
PART FOR ART. 1.46**



ARTICOLO ITEM	LxHxS
4.5122/3x18	30x25x2 R=3
4.5122/3x20	
4.5122/3x22	
4.5122/5x18	30x25x2 R=5
4.5122/5x20	
4.5122/5x22	
4.5122/45	30x25x2 45°



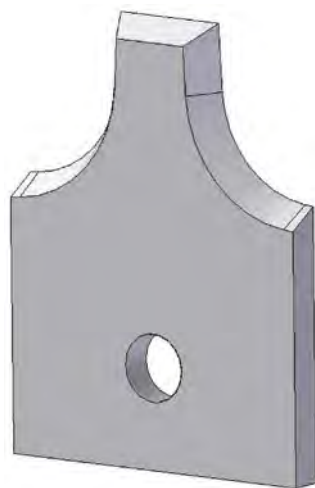
art. 4.5125



**COLTELLO HM INTEGRALE SAGOMATO DI
RICAMBIO A SPESSORE MM 2 PER ARTICOLO
1.48**

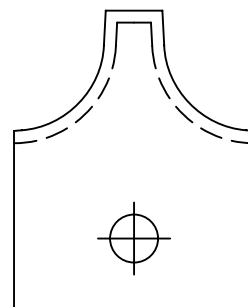


**FULL HM PROFILED KNIFE THICKNESS 2 MM SPARE
PART FOR ART. 1.48**



Cotelli di ricambio / Spare knives

ARTICOLO ITEM	LxHxS
4.5125/3	20x25x2 R=3
4.5125/5	20x25x2 R=5
4.5125/7,5	20x25x2 R=7,5
4.5125/45	20x25x2 45°



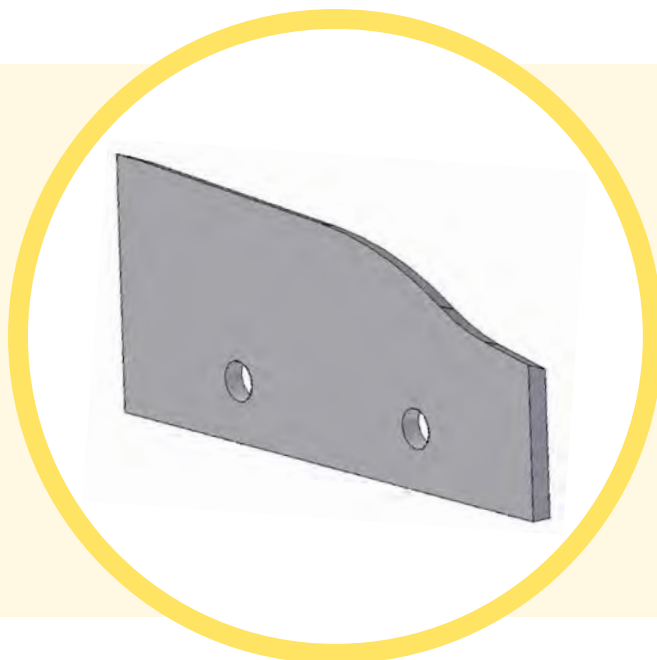
art. 4.5126



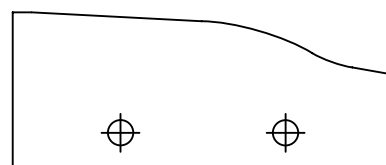
**COLTELLO HM INTEGRALE SAGOMATO DI
RICAMBIO A SPESSORE MM 2 PER ARTICOLO
1.71**



**FULL HM PROFILED KNIFE THICKNESS 2 MM SPARE
PART FOR ART. 1.71**



ARTICOLO ITEM	LxHxS
4.5126/1	60x25x2
4.5126/2	
4.5126/3	
4.5126/4	



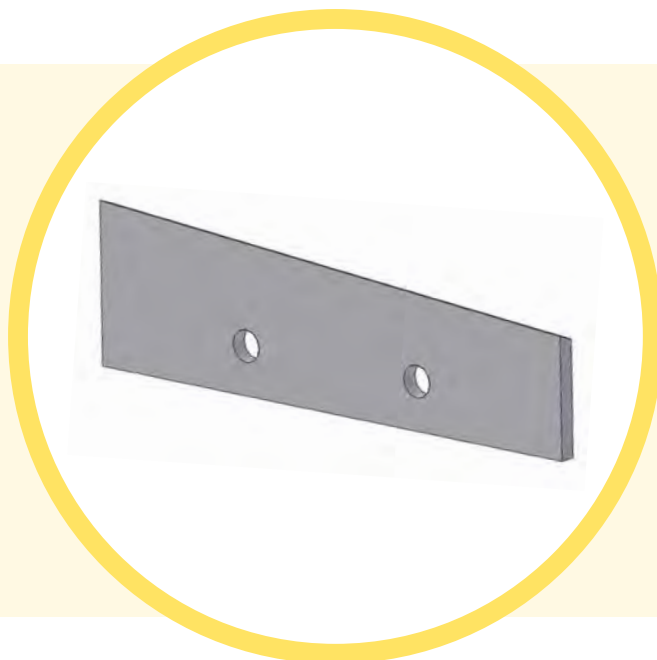
art. 4.5141



**COLTELLO HM INTEGRALE SAGOMATO
DI RICAMBIO A SPESSORE MM 2 PER
ARTICOLO 1.75**

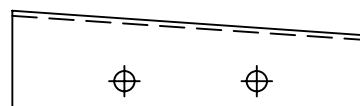


**FULL HM PROFILED KNIFE THICKNESS 2 MM SPARE
PART FOR ART. 1.75**



Cotelli di ricambio / Spare knives

ARTICOLO ITEM	LxHxS
4.5141/1	20x25x2
4.5141/2	
4.5141/3	
4.5141/4	70x20x2



art. 4.5151



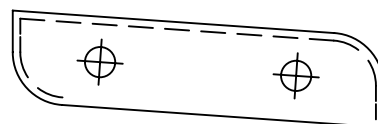
**COLTELLO HM INTEGRALE SAGOMATO DI
RICAMBIO A SPESSORE MM 2 PER ARTICOLO
1.77**



**FULL HM PROFILED KNIFE THICKNESS 2 MM SPARE
PART FOR ART. 1.77**



ARTICOLO ITEM	LxHxS
4.5151/1	20x12x1,5
4.5151/2	
4.5151/3	50x12x1,5
4.5151/4	
4.5151/5	



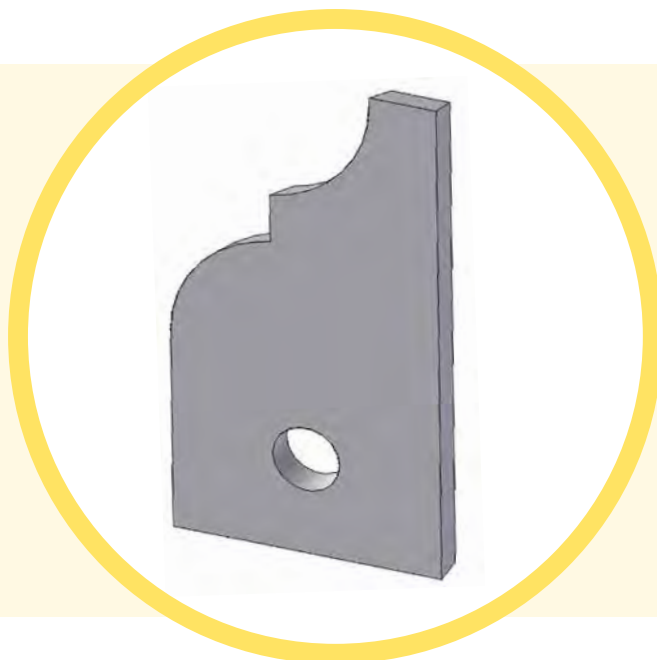
art. 4.5155



**COLTELLO HM INTEGRALE SAGOMATO DI
RICAMBIO A SPESSORE MM 2 PER ARTICOLO
1.79**

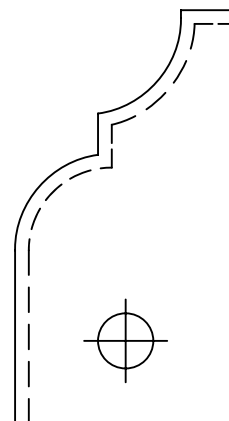


**FULL HM PROFILED KNIFE THICKNESS 2 MM SPARE
PART FOR ART. 1.79**



Cotelli di ricambio / Spare knives

ARTICOLO ITEM	LxHxS
4.5155/1	16x30x2
4.5155/2	
4.5155/3	60x12x1,5

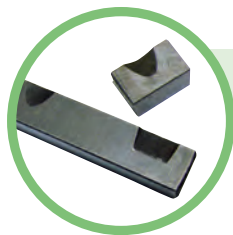


Fam. 5

Ricambi / Spare parts



INDICE / SUMMARY



art. 5.01 pag. 08

**LARDONE DI BLOCCAGGIO
PER UTENSILI CON FISSAGGIO
SUPERIORE**

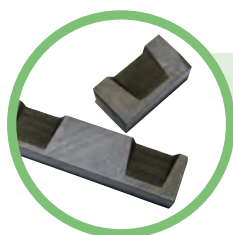
CLAMPING SUPPORT FOR TOOLS WITH
UPPER FIXING



art. 5.102 pag. 13

**VITE CONICA PER BLOCCAGGIO
LARDONI CON SISTEMA A
FISSAGGIO SUPERIORE**

CONICAL SCREW FOR UPPER FIXING OF
CLAMPING SUPPORT



art. 5.02 pag. 09

**LARDONE DI BLOCCAGGIO
PER UTENSILI CON FISSAGGIO
LATERALE**

CLAMPING SUPPORT FOR TOOLS WITH
SIDE FIXING



art. 5.103 pag. 14

**GRANO DI BLOCCAGGIO PER
LARDONI CON SISTEMA A
FISSAGGIO LATERALE**

CLAMPING SCREW FOR SIDE FIXING OF
THE SUPPORT



art. 5.03 pag. 10

**LARDONE ALTO SAGOMATO DI
BLOCCAGGIO PER UTENSILI CON
FISSAGGIO LATERALE**

PROFILED CLAMPING SUPPORT FOR TOOLS
WITH SIDE FIXING



art. 5.111 pag. 15

**VITE TORX PER BLOCCAGGIO
RASANTI**

"TORX" SCREW FOR SHAVINGS FIXING



art. 5.04 pag. 11

**CONTROLARDONE DI
BLOCCAGGIO SAGOMATO PER
TESTA MULTIPROFILO ART. 1.17**

CLAMPING SUPPORT FOR MULTIPROFILED
CUTTERHEAD ART. 1.17



art. 5.112 pag. 16

**VITE PER BLOCCAGGIO
SPIGOLATORI**

CLAMPING SCREW FOR EDGEBREAKERS



art. 5.101 pag. 12

**VITE CONICA IN 2 PEZZI
PER BLOCCAGGIO LARDONI
CON SISTEMA A FISSAGGIO
SUPERIORE**

CONICAL SCREW IN 2 PIECES FOR UPPER
FIXING OF CLAMPING SUPPORT



art. 5.113 pag. 17

**VITE DI BLOCCAGGIO PER
COLTELLI SCAVO GUARNIZIONE**
FIXING SCREW FOR PACKING HOUSE
KNIFE

INDICE / SUMMARY



art. 5.118 pag. 18

**VITE BATTUTA PER TESTE
PORTACOLTELLI**
CLAMPING SCREW FOR INSERT
CUTTERHEADS



art. 5.127 pag. 23

**VITE BATTUTA PER PUNTE
PORTACOLTELLI PER ARTICOLO
3.11-3.14**
SCREW FOR SHANK CUTTER ART. 3.11-3.14



art. 5.119 pag. 19

**VITE E CONTROVITE PER COLTELLI
E RASANTI A TESTE SPESSORI
SOTTILI**
CLAMPING SCREWS FOR KNIVES AND
SPURS ON CUTTERHEADS



art. 5.131 pag. 24

**VITE SERRAGGIO FRESA IN
DIAMANTE SU MACCHINA
BORDATRICE PER ARTICOLO 8F.62
CON ATTACCO HSK 25R**
FIXING SCREW FOR EDGEBANDING
DIAMOND CUTTER: ART. 8F.62 ON HSK 25R



art. 5.121 pag. 20

**VITE TORX PER BLOCCAGGIO
COLTELLI ALLE PUNTE**
"TORX" SCREW FOR KNIVES CLAMPING
ON SHANK CUTTERS



art. 5.132 pag. 25

**VITE SERRAGGIO FRESA IN
DIAMANTE SU MACCHINA
BORDATRICE PER ARTICOLO 8F.62
CON ATTACCO HSK 32R**
FIXING SCREW FOR EDGEBANDING
DIAMOND CUTTER: ART. 8F.62 ON HSK 32R



art. 5.122 pag. 21

**VITE TORX PER FISSAGGIO
COLTELLO DIAMANTE PER
ARTICOLO 8P04R**
"TORX" SCREW FOR DIAMOND KNIFE
FIXING : ART. 8P.04R



art. 5.136 pag. 26

**VITE BLOCCAGGIO SU MANDRINI
PER ARTICOLO 5.412-5.414**
FIXING SCREW ON TOOL-HOLDER FOR
ART. 5.412-5.414



art. 5.125 pag. 22

**VITE BATTUTA PER PUNTE
PORTACOLTELLI PER ARTICOLO
3.01-3.14**
SCREW FOR SHANK CUTTER
ART. 3.01-3.14



art. 5.201 pag. 27

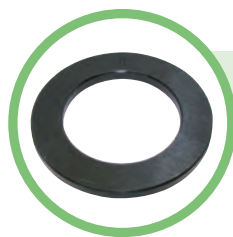
**CHIAVE ESAGONALE A "T" PER
GRANI E VITI CONICHE**
"T" WRENCH FOR CONICAL SCREWS
FIXING

INDICE / SUMMARY



art. 5.202 pag. 28

CHIAVE ESAGONALE PER GRANI E VITI CONICHE
HEXAGONAL WRENCH FOR CONICAL SCREWS FIXING



art. 5.301 pag. 33

ANELLO DISTANZIALE
SPACING-RINGS



art. 5.211 pag. 29

CHIAVE A BANDIERA PER VITI TORX
SPARE PART: WRENCH FOR TORX SCREWS FIXING



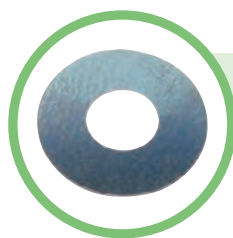
art. 5.302 pag. 35

ANELLO DISTANZIALE PER MANDRINI PORTAUTENSILI SU PANTOGRAFO
SPACER-RINGS FOR CNC TOOL-HOLDERS



art. 5.212 pag. 30

CHIAVE A MANICO PER VITI TORX
SPARE PART: TORX-WRENCH



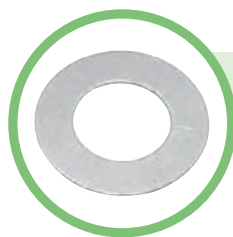
art. 5.303 pag. 36

ANELLO DISTANZIALE PER SPIGOLATORI
SPACING- RINGS FOR EDGEBREAKERS



art. 5.221 pag. 31

CHIAVE A SETTORI PER MONTAGGIO GHIERE
WRENCH FOR METAL RING FIXING



art. 5.304 pag. 37

ANELLO DISTANZIALE PER SOTTOPUNTE
SPACING-RINGS FOR BITS



art. 5.222 pag. 32

CHIAVE A GANCIO PER MONTAGGIO GHIERE
WRENCH FOR METAL RING FIXING



art. 5.307 pag. 38

ANELLO SPACCATO PER RIDUZIONE ATTACCO
REDUCING RING FOR SHANKS

INDICE / SUMMARY



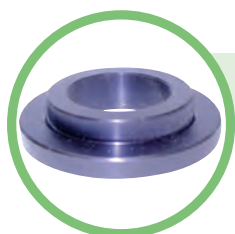
art. 5.311 pag. 39

ANELLO DI RIDUZIONE FORO
REDUCING-RING FOR BORE



art. 5.325 pag. 44

ANELLO ELASTICO DI SICUREZZA
SU UTENSILE CON FORO PER
ARTICOLO 8F.62
SECURITY RING FOR TOOLS WITH BORE:
ART. 8F.62



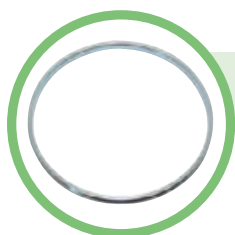
art. 5.312 pag. 40

FLANGIA DI RIDUZIONE FORO
REDUCING-FLANGE FOR BORE



art. 5.401 pag. 45

CANOTTO PORTAUTENSILI
COMPLETO DI GHIERA
SLEEVE WITH LOCKING NUT



art. 5.313 pag. 41

ANELLO DI RIDUZIONE FORO PER
LAME
REDUCING-RING FOR SAW BLADE BORING



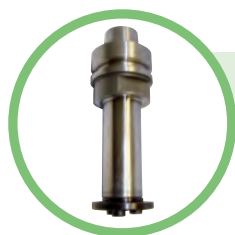
art. 5.411 pag. 46

MANDRINO PORTAPINZA
ELASTICA PER PANTOGRAFO, CNC
E MACCHINE VARIE CON ATTACCO
HSK COMPLETO DI GHIERA
CNC HSK CHUCK COMPLETE WITH
LOCKING NUT



art. 5.321 pag. 42

ANELLO ELASTICO DI SICUREZZA
SU UTENSILE CON ATTACCO ER
32-40 PER ARTICOLO 8P23-8P25-
8P26 ER32-40 TIPO BREVETTATO
SECURITY RING FOR PATENTED TOOLS
WITH SHANK ER32-ER40: ART. 8P23-8P25-
8P26



art. 5.412 pag. 47

MANDRINO PORTAUTENSILI PER
PANTOGRAFO, CNC E MACCHINE
VARIE CON ATTACCO HSK
COMPLETO DI FLANGIA ESPANSA
CNC TOOL-HOLDER HSK COMPLETE WITH
FLANGE



art. 5.323 pag. 43

ANELLO ELASTICO DI SICUREZZA
PER UTENSILE CON ATTACCO
SECURITY RING FOR TOOLS WITH SHANK



art. 5.413 pag. 48

MANDRINO PORTAPINZA
ELASTICA PER PANTOGRAFO, CNC
E MACCHINE VARIE CON ATTACCO
ISO 30 COMPLETO DI GHIERA E
TIRANTE
CNC CHUCK ISO 30 COMPLETE WITH
LOCKING NUT AND CONNECTING ROD

INDICE / SUMMARY



art. 5.414 pag. 49

MANDRINO PORTAUTENSILI PER PANTOGRAFO, CNC E MACCHINE VARIE CON ATTACCO ISO 30 COMPLETO DI TIRANTE E FLANGIA ESPANSA

CNC TOOL-HOLDER ISO 30 COMPLETE WITH CONNECTING ROD AND FLANGE



art. 5.431 pag. 54

GHIERA SU CANOTTO PER ARTICOLO 5.401

LOCKING NUT ON SPINDLE : ART. 5.401



art. 5.415 pag. 50

MANDRINO PORTAUTENSILI PER PANTOGRAFO, CNC, E MACCHINE VARIE CON ATTACCO Ø 20 COMPLETO DI FLANGIA

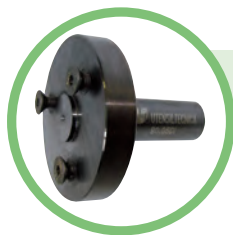
CNC TOOL-HOLDER, SHANK Ø 20, COMPLETE WITH FLANGE



art. 5.432 pag. 55

GHIERA SU PUNTA IN DIAMANTE BREVETTATA PER ARTICOLO 8P23-8P25-8P26 ER32-ER40

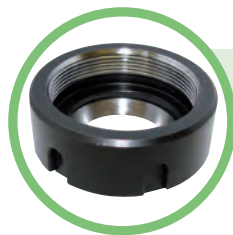
LOCKING NUT FOR PATENTED DIAMOND ROUTER BITS WITH SHANK ER32-ER40: ART. 8P23-8P25-8P26



art. 5.416 pag. 51

MANDRINO PORTALAMA PER PANTOGRAFO, CNC E MACCHINE VARIE CON ATTACCO Ø20

CNC TOOL-HOLDER FOR SAW ON SHANK Ø 20



art. 5.433 pag. 56

GHIERA SU MANDRINO PER ARTICOLO 5.411-5.413

LOCKING NUT FOR ART. 5.411-5.413



art. 5.421 pag. 52

MANDRINO HYDRO PER PUNTE PANTOGRAFO

HYDRO CHUCK FOR CNC ROUTER BITS



art. 5.436 pag. 57

GHIERA PER MANDRINI PORTAPINZE NELLE LAVORAZIONI DI NESTING

LOCKING NUT FOR COLLET CHUCKS FOR NESTING WORKING



art. 5.425 pag. 53

PINZA ELASTICA SU MANDRINI PER ARTICOLO 5.411-5.413

COLLET FOR ART. 5.411-5.413



art. 5.441 pag. 58

FLANGIA DI BLOCCAGGIO A SISTEMA ESPANSO SU MANDRINO PER ARTICOLO 5.412-5.414

LOCKING FLANGE WITH EXPANSIVE SYSTEM FOR ART. 5.412-5.414

INDICE / SUMMARY



art. 5.442 pag. 59

FLANGIA DI BLOCCAGGIO A SISTEMA RIDOTTO SU MANDRINO PER ARTICOLO 5.412-5.414
LOCKING FLANGE WITH REDUCED SYSTEM FOR ART. 5.412-5.414



art. 5.1001 pag. 65

VALVOLA DI CARICO E SCARICO SU UTENSILE HYDRO PER ARTICOLO 8F.03
CHARGING-DISCHARGING VALVE FOR HYDRO TOOL: ART. 8F.03



art. 5.446A pag. 60

TIRANTE DI BLOCCAGGIO SU MANDRINO ISO30 ER32-ER40 PER ARTICOLO 5.413-5.414
LOCKING ROD ON TOOL-HOLDER ISO 30 ER32-ER40 FOR ART. 5.413-5.414



art. 5.1005 pag. 66

POMPA PER VALVOLA DI CARICO SU UTENSILI HYDRO PER ARTICOLO 5.1001
PUMP FOR CHARGING VALVE ON HYDRO TOOL: ART. 5.1001



art. 5.446B pag. 61

TIRANTE DI BLOCCAGGIO SU MANDRINO ISO30 ER32-ER40 PER ARTICOLO 5.413-5.414
LOCKING ROD ON TOOL-HOLDER ISO 30 ER32-ER40 FOR ART. 5.413-5.414



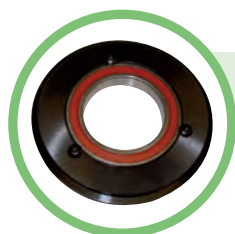
art. 5.1011 pag. 67

CAPSULA CON CUSCINETTO
CAPSULE WITH BEARING



art. 5.446C pag. 62

TIRANTE DI BLOCCAGGIO SU MANDRINO ISO30 ER32-ER40 PER ARTICOLO 5.413-5.414
LOCKING ROD ON TOOL-HOLDER ISO 30 ER32-ER40 FOR ART. 5.413-5.414



art. 5.1013 pag. 68

CAPSULA CON CUSCINETTO SU UTENSILE PER ARTICOLO 8F.16
CAPSULE WITH BEARING FOR TOOL ART. 8F.16



art. 5.446D pag. 63

TIRANTE DI BLOCCAGGIO SU MANDRINO ISO30 ER32-ER40 PER ARTICOLO 5.413-5.414
LOCKING ROD ON TOOL-HOLDER ISO 30 ER32-ER40 FOR ART. 5.413-5.414



art. 5.1031 pag. 69

CALIBRO DIGITALE
DIGITAL CALIBER



art. 5.446E pag. 64

TIRANTE DI BLOCCAGGIO SU MANDRINO ISO30 ER32-ER40 PER ARTICOLO 5.413-5.414
LOCKING ROD ON TOOL-HOLDER ISO 30 ER32-ER40 FOR ART. 5.413-5.414

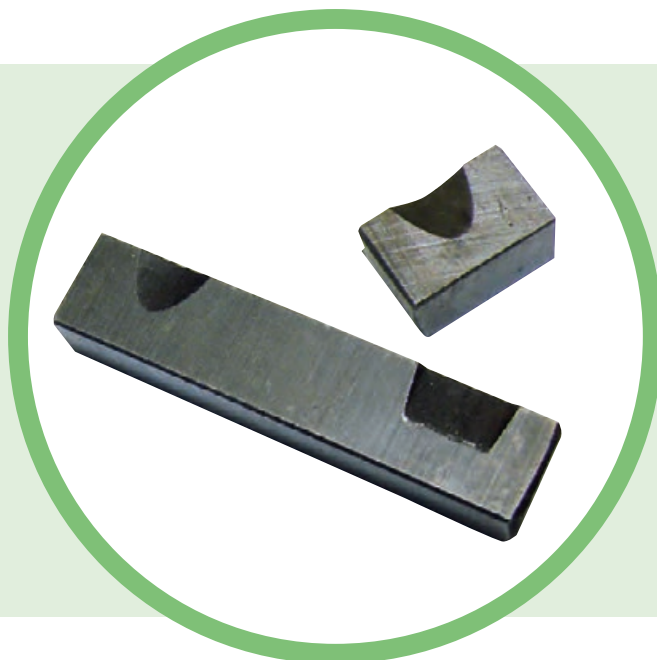
art. 5.01



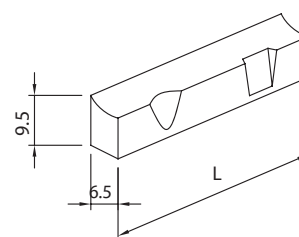
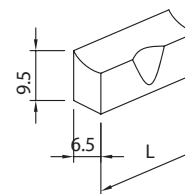
**LARDONE DI BLOCCAGGIO PER UTENSILI
CON FISSAGGIO SUPERIORE**



CLAMPING SUPPORT FOR TOOLS WITH UPPER FIXING



ARTICOLO ITEM	L	H	SPESSORE THICKNESS
5.01/06	6	9,5	6,5
5.01/10	10		
5.01/13	13		
5.01/18	18	9,5	6,5
5.01/28	28	9,5	6,5
5.01/38	38		
5.01/48	48		
5.01/58	58		
5.01/78	78		
5.01/98	98	9,5	6,5



art. 5.02



**LARDONE DI BLOCCAGGIO PER UTENSILI
CON FISSAGGIO LATERALE**

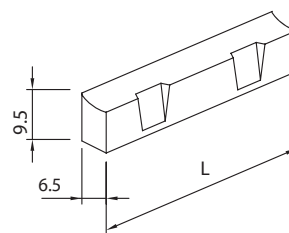
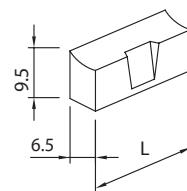


CLAMPING SUPPORT FOR TOOLS WITH SIDE FIXING



Ricambi / Spare parts

ARTICOLO ITEM	L	H	SPESSORE THICKNESS
5.02/06	6	9,5	6,5
5.02/10	10		
5.02/13	13		
5.02/18	18	9,5	6,5
5.02/28	28	9,5	6,5
5.02/38	38		
5.02/48	48		
5.02/58	58		



art. 5.03



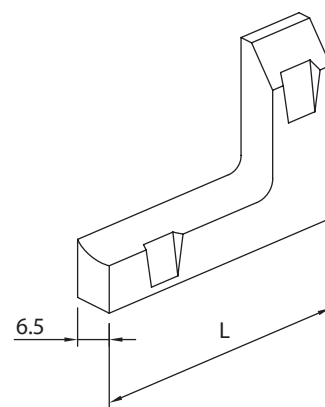
**LARDONE ALTO SAGOMATO DI BLOCCAGGIO
PER UTENSILI CON FISSAGGIO LATERALE**



**PROFILED CLAMPING SUPPORT FOR TOOLS WITH SIDE
FIXING**



ARTICOLO ITEM	L	SPESSORE THICKNESS
5.03/38	38	6,5
5.03/48	48	
5.03/58	58	



art. 5.04



**CONTROLARDONE DI BLOCCAGGIO
SAGOMATO PER TESTA MULTIPROFILO ART.
1.17**

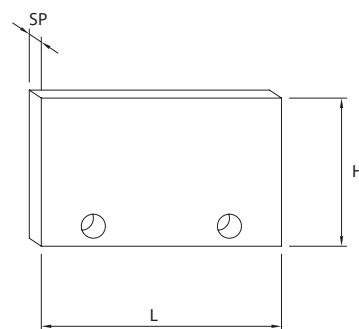


**CLAMPING SUPPORT FOR MULTIPROFILED CUTTERHEAD
ART. 1.17**



Ricambi / Spare parts

ARTICOLO ITEM	L	H	SPESSORE THICKNESS
5.04/042	42	29	4
5.04/060	60	37	4
5.04/100	100	37	6



art. 5.101



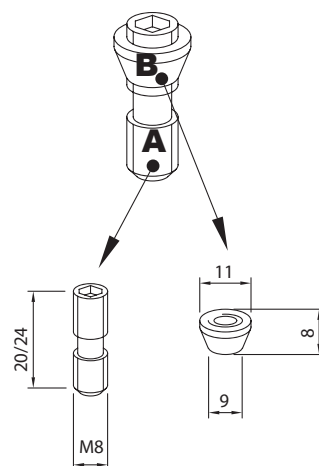
**VITE CONICA IN 2 PEZZI PER BLOCCAGGIO
LARDONI CON SISTEMA A FISSAGGIO
SUPERIORE**



**CONICAL SCREW IN 2 PIECES FOR UPPER FIXING OF
CLAMPING SUPPORT**



ARTICOLO ITEM	M	H
5.101/8x20	8	20
5.101/8x24	8	24



art. 5.102



**VITE CONICA PER BLOCCAGGIO LARDONI CON
SISTEMA A FISSAGGIO SUPERIORE**

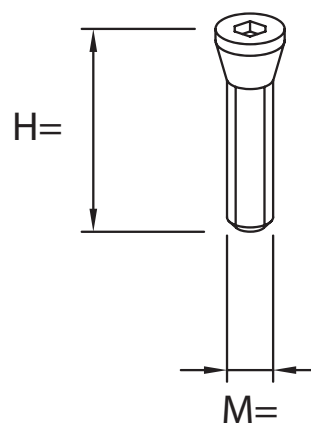


**CONICAL SCREW FOR UPPER FIXING OF CLAMPING
SUPPORT**



Ricambi / Spare parts

ARTICOLO ITEM	M	H
5.102/5x21	5	21
5.102/7x23	7	23
5.102/8x19	8	19
5.102/8x24	8	24



art. 5.103



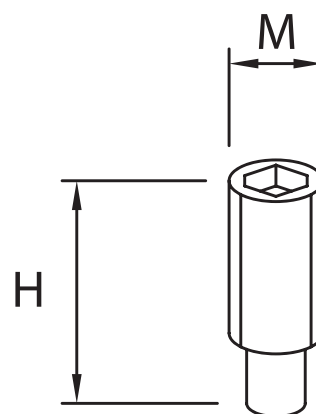
**GRANO DI BLOCCAGGIO PER LARDONI CON
SISTEMA A FISSAGGIO LATERALE**



CLAMPING SCREW FOR SIDE FIXING OF THE SUPPORT



ARTICOLO ITEM	M	H
5.103/4x4	4	4
5.103/4x8	4	8
5.103/5x6	5	6
5.103/5x8	5	8
5.103/6x6	6	6
5.103/6x8	6	8
5.103/6x10	6	10
5.103/6x12	6	12
5.103/6x14	6	14
5.103/6x16	6	16
5.103/6x20	6	20
5.103/8x8	8	8
5.103/8x10	8	10
5.103/8x12	8	12
5.103/8x14	8	14
5.103/8x16	8	16
5.103/8x20	8	20
5.103/10x25	10	25



art. 5.111



VITE TORX PER BLOCCAGGIO RASANTI

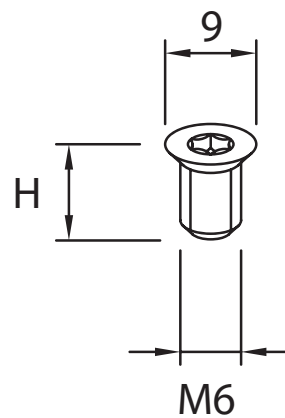


"TORX" SCREW FOR SHAVINGS FIXING



Ricambi / Spare parts

ARTICOLO ITEM	M	H
5.111/6x6	6	6
5.111/6x11	6	9



art. 5.112



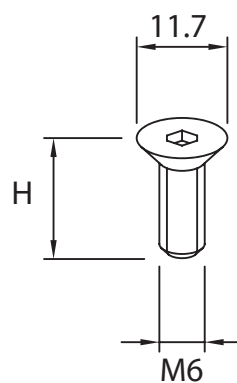
VITE PER BLOCCAGGIO SPIGOLATORI



CLAMPING SCREW FOR EDGEBREAKERS



ARTICOLO ITEM	M	H
5.112/6x11	6	11



art. 5.113



VITE DI BLOCCAGGIO PER COLTELLI SCAVO GUARNIZIONE

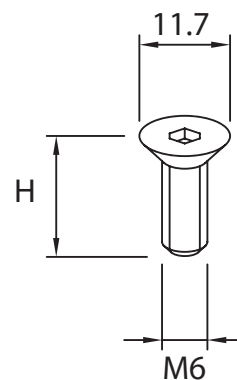


FIXING SCREW FOR PACKING HOUSE KNIFE



Ricambi / Spare parts

ARTICOLO ITEM	M	H
5.113/6x10	6	10
5.113/6x12	6	12
5.113/6x14	6	14
5.113/6x16	6	16
5.113/6x20	6	20



art. 5.118



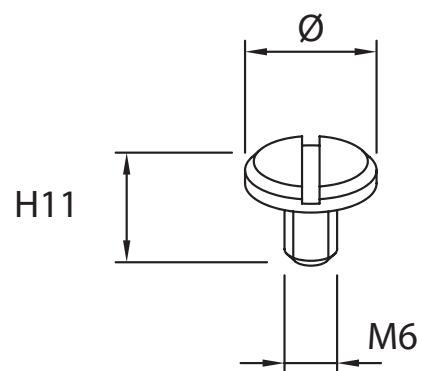
VITE BATTUTA PER TESTE PORTACOLTELLI



CLAMPING SCREW FOR INSERT CUTTERHEADS



ARTICOLO ITEM	M	H	Ø
5.118/6x11x15	6	11	15
5.118/6x11x20	6	11	20



art. 5.119



**VITE E CONTROVITE PER COLTELLI E RASANTI
A TESTE SPESSORI SOTTILI**

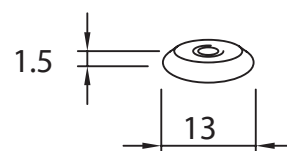
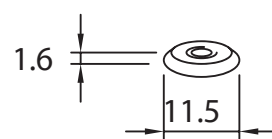
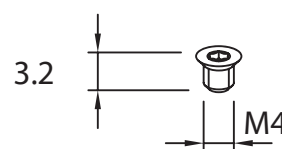


**CLAMPING SCREWS FOR KNIVES AND SPURS ON
CUTTERHEADS**



Ricambi / Spare parts

ARTICOLO ITEM	DESCRIZIONE DESCRIPTION
5.119/4x3,2	M4x3,2 vite
5.119/4x1,6	4x1,6x11,5 controvite rasanti
5.119/4x1,5	4x1,5x13 controvite coltelli



art. 5.121



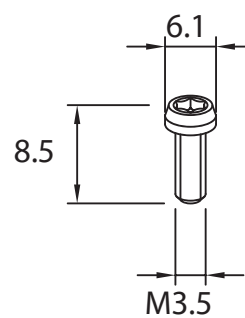
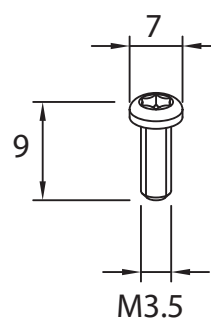
VITE TORX PER BLOCCAGGIO COLTELLI ALLE
PUNTE



"TORX" SCREW FOR KNIVES CLAMPING ON SHANK CUTTERS



ARTICOLO ITEM	M	H	Ø
5.121/3,5x9	3,5	9	7
5.121/3,5x8,5	3,5	8,5	6,1



art. 5.122



VITE TORX PER FISSAGGIO COLTELLO
DIAMANTE PER ARTICOLO 8P04R

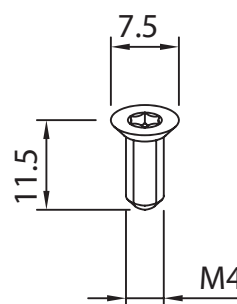


"TORX" SCREW FOR DIAMOND KNIFE FIXING: ART. 8P04R



Ricambi / Spare parts

ARTICOLO ITEM	M	H	Ø
5.122/4x11,5	4	11,5	7,5



art. 5.125



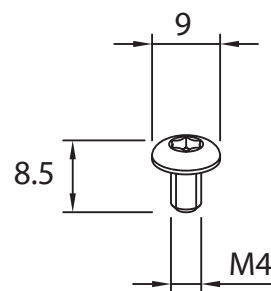
VITE BATTUTA PER PUNTE PORTACOLTELLI
PER ARTICOLO 3.01-3.14



SCREW FOR SHANK CUTTER ART. 3.01-3.14



ARTICOLO ITEM	M	H	Ø
5.125/4x8,5	4	8,5	9



art. 5.127



VITE BATTUTA PER PUNTE PORTACOLTELLI
PER ARTICOLO 3.11-3.14

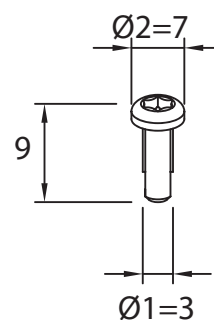


SCREW FOR SHANK CUTTER ART. 3.11-3.14



Ricambi / Spare parts

ARTICOLO ITEM	Ø1	Ø2	H
5.127/3x7	3	7	9



art. 5.131



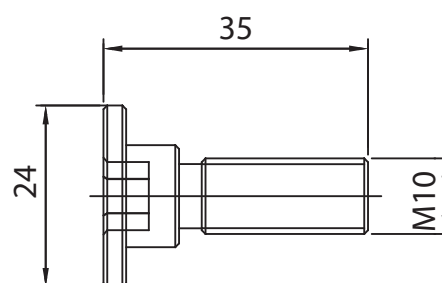
**VITE SERRAGGIO FRESA IN DIAMANTE SU
MACCHINA BORDATRICE PER ARTICOLO 8F.62
CON ATTACCO HSK 25R**



**FIXING SCREW FOR EDGEBANDING DIAMOND
CUTTER: ART.8F.62 ON HSK25R**



ARTICOLO ITEM	M	H	Ø
5.131/10x35	10	35	24



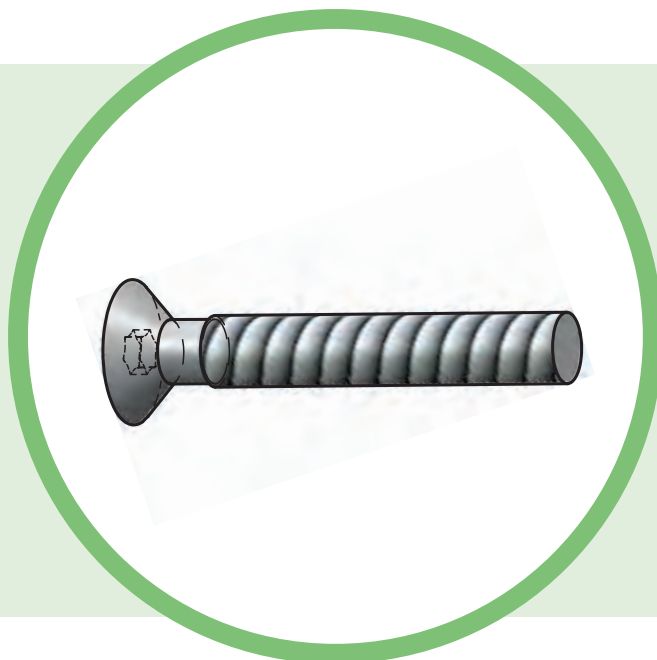
art. 5.132



**VITE SERRAGGIO FRESA IN DIAMANTE SU
MACCHINA BORDATRICE PER ARTICOLO
8F.62 CON ATTACCO HSK 32R**

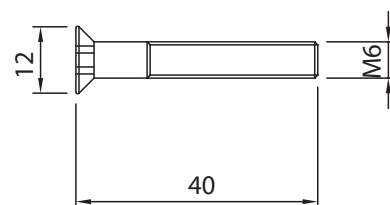


**FIXING SCREW FOR EDGEBANDING DIAMOND CUTTER:
ART. 8F.62 ON HSK 32R**



Ricambi / Spare parts

ARTICOLO ITEM	M	H	Ø
5.132/06x40	6	40	12



art. 5.136



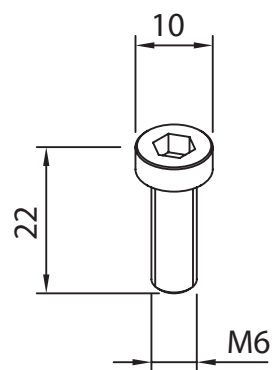
VITE BLOCCAGGIO SU MANDRINI
PER ARTICOLO 5.412-5.414



FIXING SCREW ON TOOL-HOLDER FOR ART. 5.412-5.414



ARTICOLO ITEM	M	H
5.136/6x22	6	22



art. 5.201



CHIAVE ESAGONALE A "T" PER GRANI E VITI CONICHE

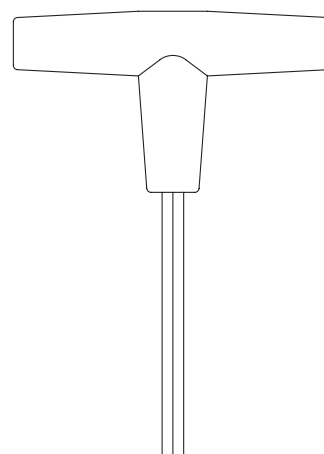


"T" WRENCH FOR CONICAL SCREWS FIXING



Ricambi / Spare parts

ARTICOLO ITEM	SPESSORE THICKNESS
5.201/2,5	2,5
5.201/3	3
5.201/4	4
5.201/5	5



art. 5.202



CHIAVE ESAGONALE PER GRANI E VITI CONICHE



HEXAGONAL WRENCH FOR CONICAL SCREWS FIXING



ARTICOLO ITEM	SPESSORE THICKNESS
5.202/2,5	2,5
5.202/3	3
5.202/4	4
5.202/5	5

art. 5.211



CHIAVE A BANDIERA PER VITI TORX

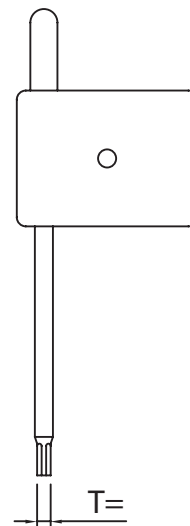


SPARE PART: WRENCH FOR TORX SCREWS FIXING



Ricambi / Spare parts

ARTICOLO ITEM	T
5.211/09	9
5.211/10	10
5.211/15	15
5.211/20	20
5.211/25	25



art. 5.212



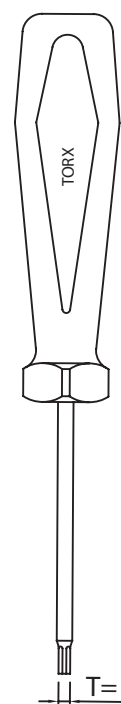
CHIAVE A MANICO PER VITI TORX



SPARE PART: TORX-WRENCH



ARTICOLO ITEM	T
5.212/09	9
5.212/10	10
5.212/15	15
5.212/20	20
5.212/25	25



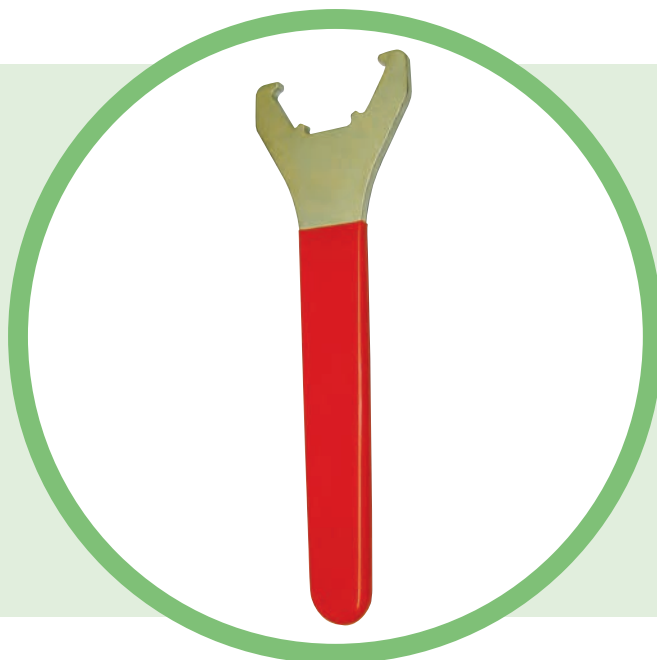
art. 5.221



CHIAVE A SETTORI PER MONTAGGIO GHIERE

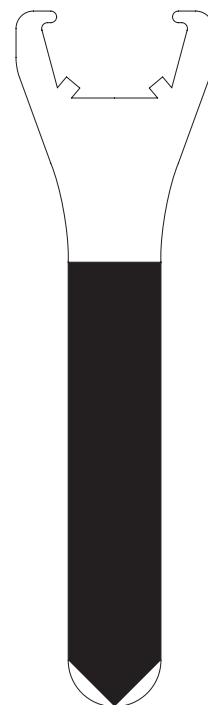


WRENCH FOR METAL RING FIXING



Ricambi / Spare parts

ARTICOLO ITEM	DESCRIZIONE DESCRIPTION
5.221/ER32	Per ghiera ER32
5.221/ER40	Per ghiera ER40



art. 5.222



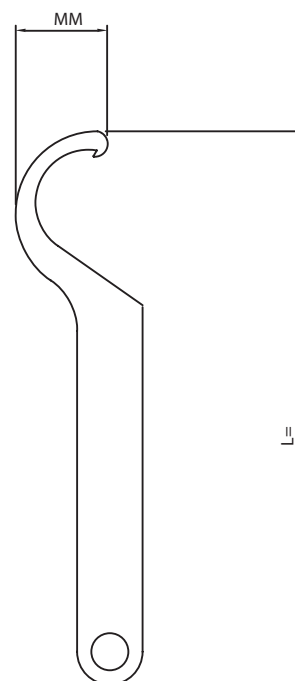
CHIAVE A GANCIO PER MONTAGGIO GHIERE



WRENCH FOR METAL RING FIXING



ARTICOLO ITEM	GHIERA DA MM. A MM RING FROM MM to MM	LUNGHEZZA LENGHT
5.222/01	68-75	240
5.222/02	80-90	280



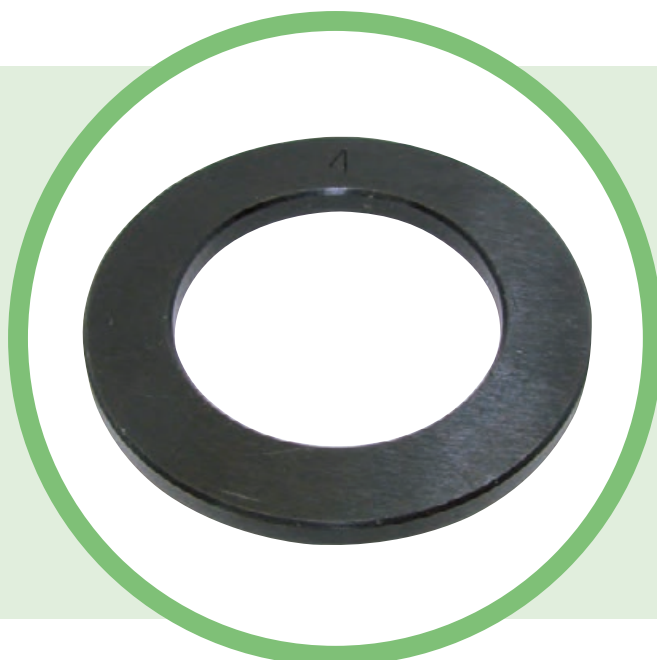
art. 5.301



ANELLO DISTANZIALE

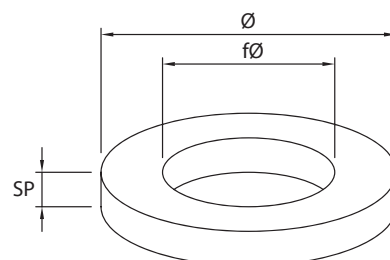


SPACING-RINGS



Ricambi / Spare parts

ARTICOLO ITEM	Ø	SPESSORE THICKNESS	FORO BORE
5.301/45x0,1	45	0,1	32
5.301/45x0,3	45	0,3	
5.301/45x0,5	45	0,5	
5.301/45x1	45	1	32
5.301/38x16	38	16	32
5.301/38x17	38	17	
5.301/38x19	38	19	
5.301/38x21	38	21	
5.301/38x22	38	22	
5.301/38x23	38	23	32
5.301/38x30	38	30	
5.301/38x34	38	34	
5.301/38x39	38	39	30
5.301/50x0,1	50	0,1	
5.301/50x0,3	50	0,3	
5.301/50x0,5	50	0,5	
5.301/50x1	50	1	
5.301/55x0,1	55	0,1	35
5.301/55x0,3	55	0,3	
5.301/55x0,5	55	0,5	
5.301/55x1	55	1	
5.301/60x0,1	60	0,1	40
5.301/60x0,3	60	0,3	
5.301/60x0,5	60	0,5	
5.301/60x1	60	1	
5.301/50x4	50	4	30
5.301/55x4	55	4	35
5.301/60x4	60	4	40
5.301/50x6	50	6	30
5.301/55x6	55	6	35
5.301/60x6	60	6	40
5.301/50x7	50	7	30
5.301/55x7	55	7	35



ARTICOLO ITEM	Ø	SPESSORE THICKNESS	FORO BORE
5.301/60x7	60	7	40
5.301/50x10	50	10	30
5.301/55x10	55	10	35
5.301/60x10	60	10	40
5.301/50x15	50	15	30
5.301/55x15	55	15	35
5.301/60x15	60	15	40
5.301/50x20	50	20	30
5.301/55x20	55	20	35
5.301/60x20	60	20	40
5.301/70x0,1	70	0,1	50
5.301/70x0,3	70	0,3	
5.301/70x0,5	70	0,5	
5.301/70x1	70	1	
5.301/70x4	70	4	50
5.301/70x6	70	6	50
5.301/70x7	70	7	50
5.301/70x10	70	10	50
5.301/70x15	70	15	50
5.301/70x20	70	20	50
5.301/80x0,1	80	0,1	60
5.301/80x0,3	80	0,3	
5.301/80x0,5	80	0,5	
5.301/80x1	80	1	60
5.301/80x4	80	4	60
5.301/80x6	80	6	60
5.301/80x7	80	7	60
5.301/80x10	80	10	60
5.301/80x15	80	15	60
5.301/80x20	80	20	60

art. 5.302



**ANELLO DISTANZIALE PER MANDRINI
PORTAUTENSILI SU PANTOGRAFO**

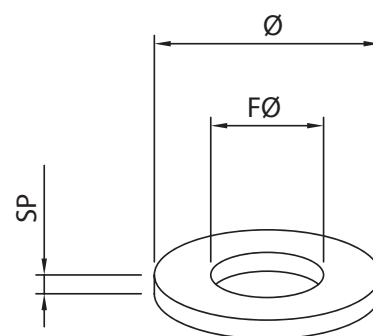


SPACER-RINGS FOR CNC TOOL-HOLDERS



Ricambi / Spare parts

ARTICOLO ITEM	Ø	SPESSORE THICKNESS	FORO BORE
5.302/18x0,1	18	12	0,1
5.302/18x0,3	18		0,3
5.302/18x0,5	18		0,5
5.302/18x1	18		1
5.302/28x0,1	28	20	0,1
5.302/28x0,3	28		0,3
5.302/28x0,5	28		0,5
5.302/28x1	28		1
5.302/35x0,1	35	25	0,1
5.302/35x0,3	35		0,3
5.302/35x0,5	35		0,5
5.302/35x1	35		1



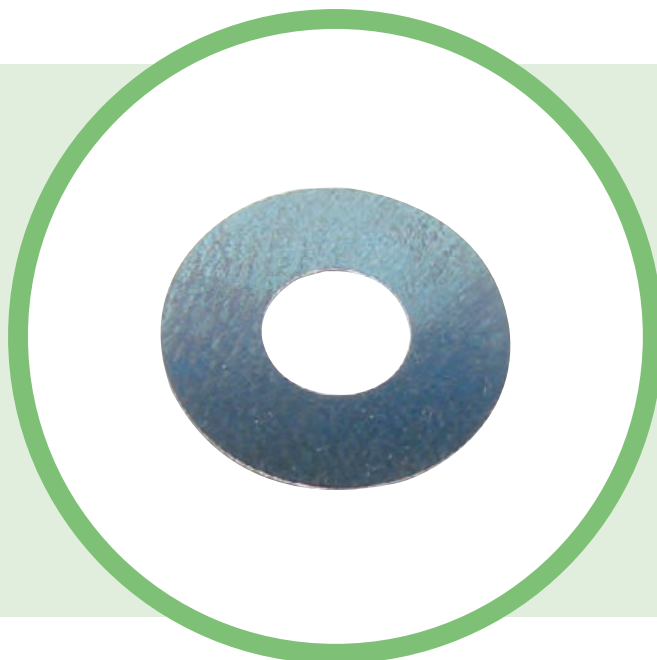
art. 5.303



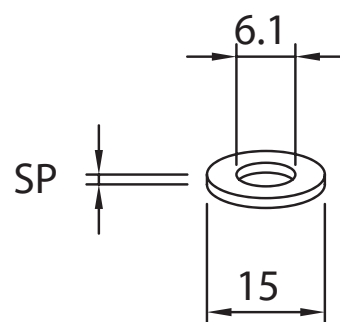
ANELLO DISTANZIALE PER SPIGOLATORI



SPACING- RINGS FOR EDGEBREAKERS



ARTICOLO ITEM	Ø	FORO BORE	SPESSORE THICKNESS
5.303/0,1	15	6,1	0,1
5.303/0,3			0,3
5.303/0,5			0,5
5.5303/1			1



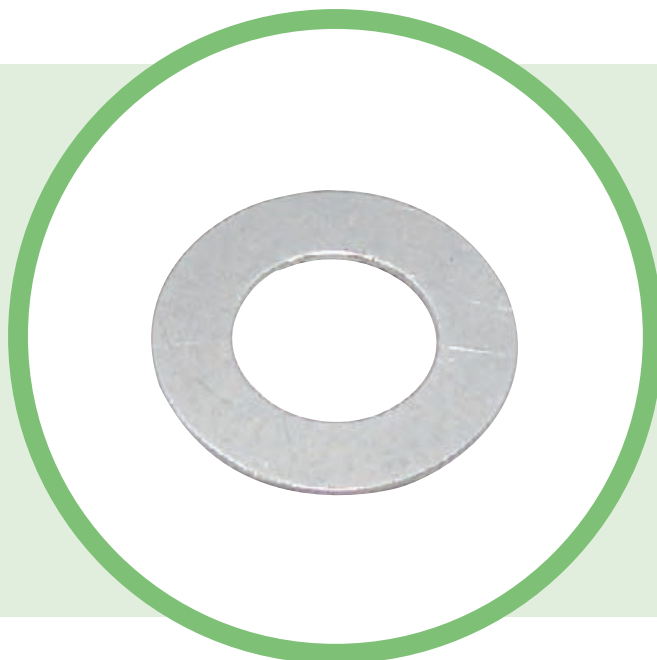
art. 5.304



ANELLO DISTANZIALE PER SOTTOPUNTE

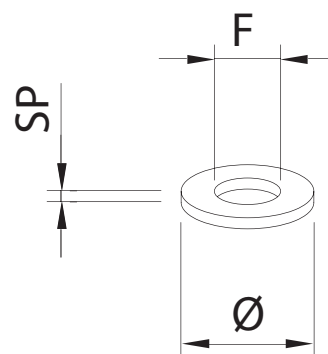


SPACING-RINGS FOR BITS



Ricambi / Spare parts

ARTICOLO ITEM	Ø	FORO BORE	SPESSORE THICKNESS
5.304/11,8x0,1	11,8	6,5	0,1
5.304/11,8x0,3			0,3
5.304/11,8x0,5			0,5
5.304/10x0,1	10	5	0,1
5.304/10x0,3			0,3
5.304/10x0,5			0,5



art. 5.307



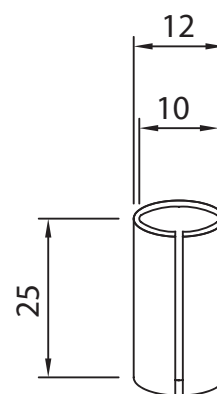
ANELLO SPACCATO PER RIDUZIONE ATTACCO



REDUCING RING FOR SHANKS



ARTICOLO ITEM	Ø	FORO BORE	SPESSORE THICKNESS
5.307/12	12	10	25



art. 5.311



ANELLO DI RIDUZIONE FORO

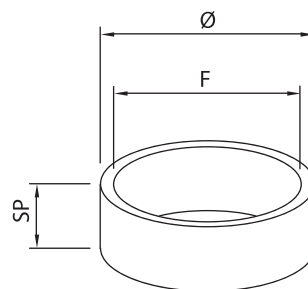


REDUCING-RING FOR BORE



Ricambi / Spare parts

ARTICOLO ITEM	Ø	FORO BORE	SPESSORE THICKNESS
5.311/35x30xsp1	35	30	05÷20
5.311/40x35xsp1	40	35	05÷20
5.311/35x30xsp2	35	30	21÷40
5.311/40x35xsp2	40	35	21÷40



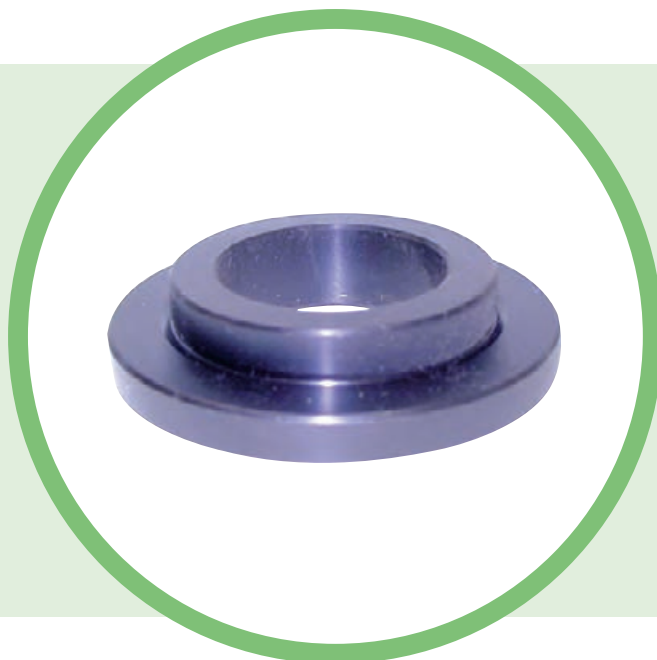
art. 5.312



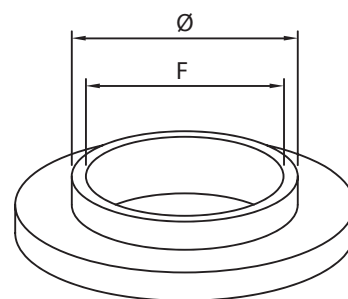
FLANGIA DI RIDUZIONE FORO



REDUCING-FLANGE FOR BORE



ARTICOLO ITEM	Ø	FORO BORE
5.312/40-35	40	35
5.312/50-40	50	40
5.312/50-35	50	35



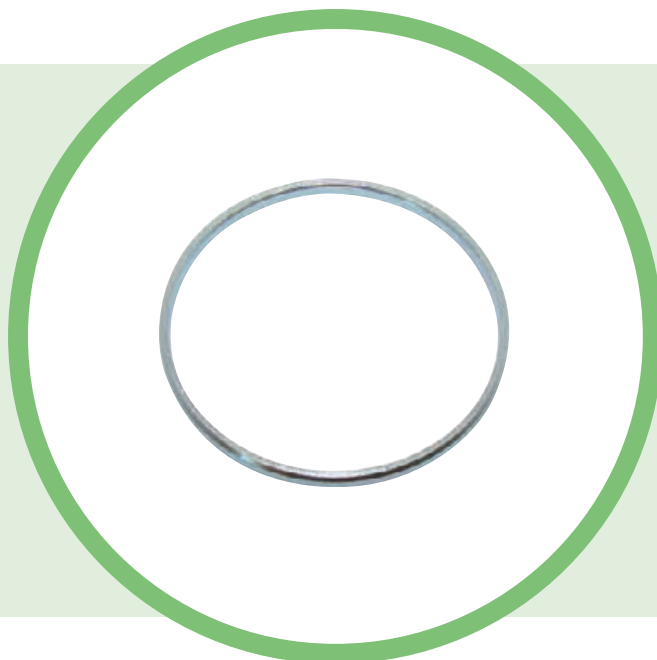
art. 5.313



ANELLO DI RIDUZIONE FORO PER LAME

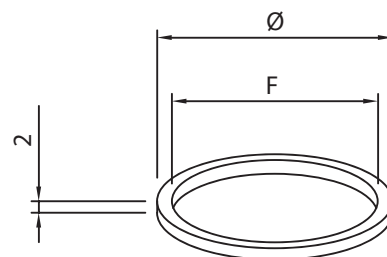


REDUCING-RING FOR SAW BLADE BORING



Ricambi / Spare parts

ARTICOLO ITEM	Ø	FORO BORE	SPESSORE THICKNESS
5.313/30-20	30	20	2
5.313/30-25	30	25	
5.313/35-25	35	25	
5.313/35-30	35	30	



art. 5.321



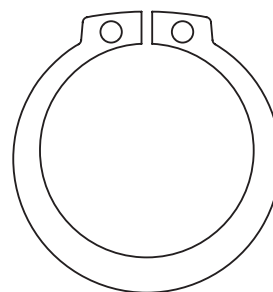
**ANELLO ELASTICO DI SICUREZZA SU UTENSILE
CON ATTACCO ER 32-40 PER ARTICOLO 8P23-
8P25-8P26 ER32-40 TIPO BREVETTATO**



**SECURITY RING FOR PATENTED TOOLS WITH SHANK
ER32-ER40: ART. 8P23-8P25-8P26**



ARTICOLO ITEM	ATTACCO SHANK	Ø
5.321/ER32-25	ER32	25
5.321/ER40-30	ER40	30



art. 5.323



**ANELLO ELASTICO DI SICUREZZA
PER UTENSILE CON ATTACCO**

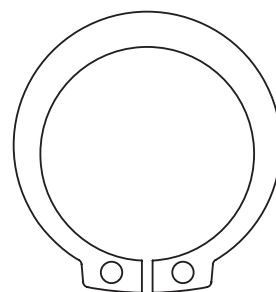


SECURITY RING FOR TOOLS WITH SHANK



Ricambi / Spare parts

ARTICOLO ITEM	ATTACCO SHANK
5.323/16	16
5.323/20	20
5.323/25	25



art. 5.325



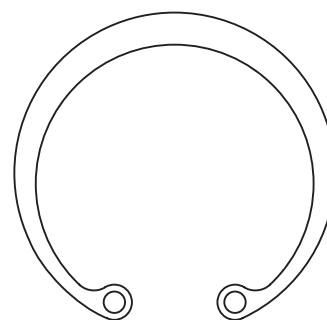
**ANELLO ELASTICO DI SICUREZZA
SU UTENSILE CON FORO PER ARTICOLO 8F.62**



SECURITY RING FOR TOOLS WITH BORE: ART. 8F.62



ARTICOLO ITEM	ATTACCO SHANK
5.325/25	HSK 25
5.325/32	HSK 32



art. 5.401



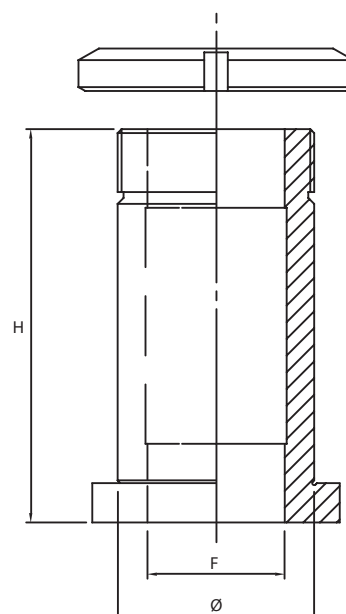
CANOTTO PORTAUTENSILI COMPLETO DI
GHIERA



SLEEVE WITH LOCKING NUT



Ricambi / Spare parts



ARTICOLO ITEM	Ø	FORO BORE	H
5.401/50-35	50	35	100
5.401/50-40	50	40	100
5.401/60-35	60	35	110
5.401/60-40	60	40	100
5.401/60-50	60	50	100
5.401/IDRO	60	50	75
5.401/SPEC	Speciali a disegno <i>Special design</i>	Speciali a disegno <i>Special design</i>	Speciali a disegno <i>Special design</i>

art. 5.411



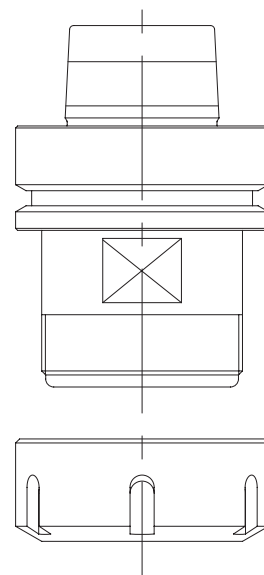
**MANDRINO PORTAPINZA ELASTICA PER
PANTOGRAFO, CNC E MACCHINE VARIE CON
ATTACCO HSK COMPLETO DI GHIERA**



CNC HSK CHUCK COMPLETE WITH LOCKING NUT



ARTICOLO ITEM	DESCRIZIONE DESCRIPTION	MACCHINE MACHINES
5.411/ER32	HSK-F63 ER32	HOMAG, IMA,BIESSE, SCM, MORBIDELLI, MASTERWOOD
5.411/ER40	HSK-F63 ER40	HOMAG, IMA,BIESSE, SCM, MORBIDELLI, MASTERWOOD
5.411/EOC20	HSK-F63 DIN6388	HOMAG, IMA,BIESSE, SCM, MORBIDELLI, MASTERWOOD



INDICARE LA ROTAZIONE DX O SX

RH-LH ROTATION MUST BE INDICATED

art. 5.412



**MANDRINO PORTAUTENSILI PER PANTOGRAFO,
CNC E MACCHINE VARIE CON ATTACCO HSK
COMPLETO DI FLANGIA ESPANSA**

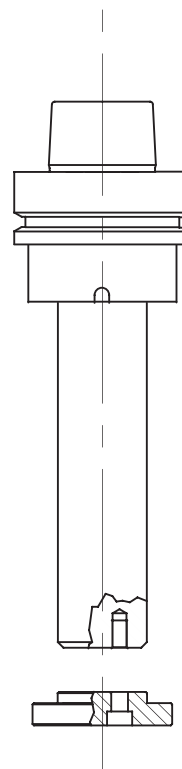


CNC TOOL-HOLDER HSK COMPLETE WITH FLANGE



Ricambi / Spare parts

ARTICOLO ITEM	DESCRIZIONE DESCRIPTION	MACCHINE MACHINES
5.412/30x70	HSK-F63 Ø30x70	HOMAG, IMA,BIESSE, SCM, MORBIDELLI, MASTERWOOD
5.412/30x100	HSK-F63 Ø30x100	HOMAG, IMA,BIESSE, SCM, MORBIDELLI, MASTERWOOD
5.412/35x100	HSK-F63 Ø35x100	HOMAG, IMA,BIESSE, SCM, MORBIDELLI, MASTERWOOD
5.412/40x100	HSK-F63 Ø40x100	HOMAG, IMA,BIESSE, SCM, MORBIDELLI, MASTERWOOD



art. 5.413



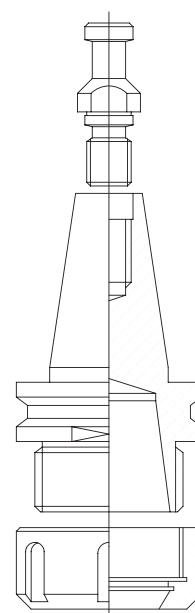
**MANDRINO PORTAPINZA ELASTICA PER
PANTOGRAFO, CNC E MACCHINE VARIE CON
ATTACCO ISO 30 COMPLETO DI GHIERA E
TIRANTE**



**CNC CHUCK ISO 30 COMPLETE WITH LOCKING NUT AND
CONNECTING ROD**



ARTICOLO ITEM	DESCRIZIONE DESCRIPTION	MACCHINE MACHINES
5.413/ER32	ISO 30 ER32	BIESSE-BIESSE con motore OMLAT, BULLERI, BUSELLATO, CMS-IMA
5.413/ER40	ISO 30 ER40	BIESSE-BIESSE con motore OMLAT, BULLERI, BUSELLATO, CMS-IMA



art. 5.414



**MANDRINO PORTAUTENSILI PER PANTOGRAFO,
CNC E MACCHINE VARIE CON ATTACCO ISO 30
COMPLETO DI TIRANTE E FLANGIA ESPANSA**

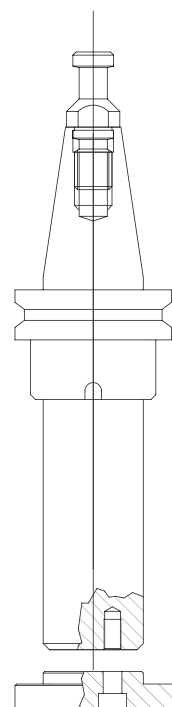


**CNC TOOL-HOLDER ISO 30 COMPLETE WITH CONNECTING
ROD AND FLANGE**



Ricambi / Spare parts

ARTICOLO ITEM	DESCRIZIONE DESCRIPTION	MACCHINE MACHINES
5.414/30x70	ISO30 30x70	SCM
5.414/30x100	ISO30 30x100	SCM



art. 5.415



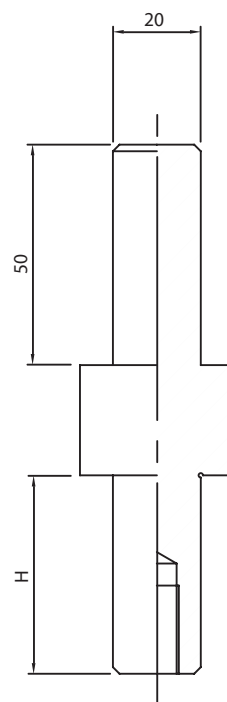
**MANDRINO PORTAUTENSILI PER PANTOGRAFO,
CNC, E MACCHINE VARIE CON ATTACCO Ø 20
COMPLETO DI FLANGIA**



CNC TOOL-HOLDER, SHANK Ø 20, COMPLETE WITH FLANGE



ARTICOLO ITEM	H
5.415/20-50	20÷50
5.415/51-80	51÷80



art. 5.416



**MANDRINO PORTALAMA PER PANTOGRAFO,
CNC E MACCHINE VARIE CON ATTACCO Ø20**

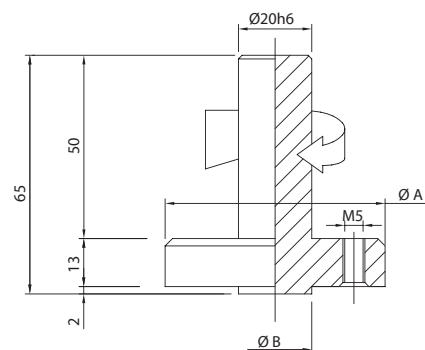


CNC TOOL-HOLDER FOR SAW ON SHANK Ø 20



Ricambi / Spare parts

ARTICOLO ITEM	Ø A	Ø B
5.416/50	50	20
5.416/60	60	30



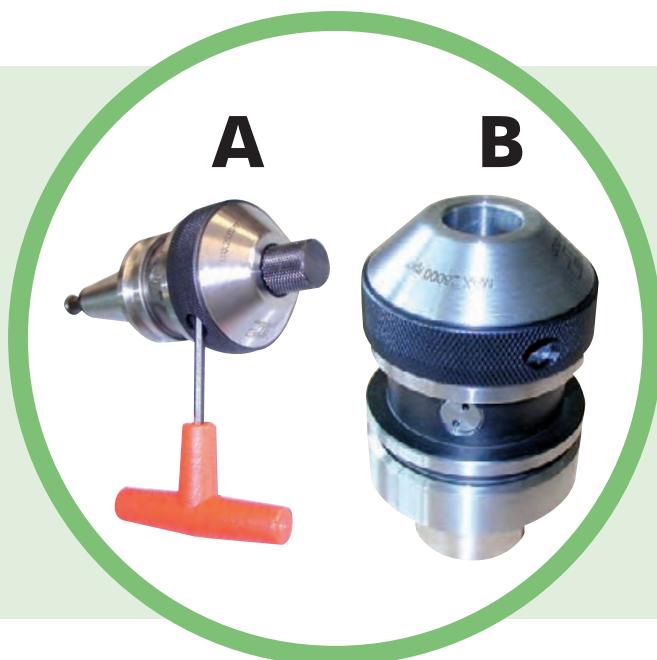
art. 5.421



MANDRINO HYDRO PER PUNTE PANTOGRAFO



HYDRO CHUCK FOR CNC ROUTER BITS



ARTICOLO ITEM	ATTACCO SHANK	Ø
5.421/ISO30D20	ISO 30 Foto A	20
5.421/ISO30D25	ISO 30 Foto A	25
5.421/HSKD20	HSK 63F Foto B	20
5.421/HSKD25	HSK 63F Foto B	25

art. 5.425



**PINZA ELASTICA SU MANDRINI
PER ARTICOLO 5.411-5.413**

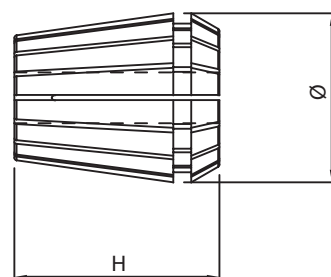
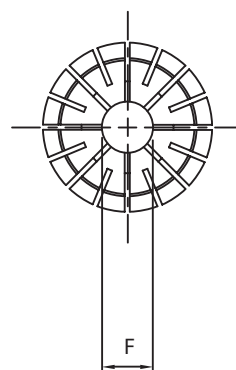


COLLET FOR ART. 5.411 – 5.413



Ricambi / Spare parts

ARTICOLO ITEM	TIPO TYPE	Ø	H	FORO BORE
5.425/ER20	ER 20	21	31	3÷12,7
5.425/ER25	ER 25	26	35	6÷16
5.425/ER32	ER 32	33	40	3÷20
5.425/ER40	ER 40	41	46	4÷25
5.425/ETS32	ETS 32 Tipo svizzere	33	40	3÷20
5.425/ETS40	ETS 40 Tipo svizzere	41	45	4÷25



art. 5.431



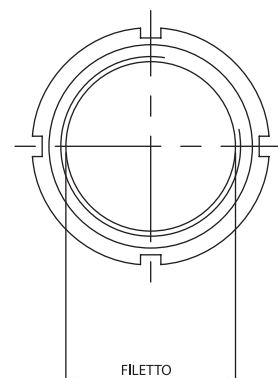
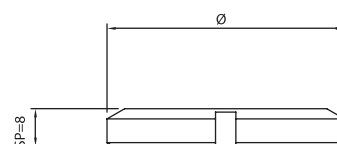
GHIERA SU CANOTTO PER ARTICOLO 5.401



LOCKING NUT ON SPINDLE : ART. 5.401



ARTICOLO ITEM	Ø	SPESSORE THICKNESS	FILETTO THREAD
5431/01	70	8	50x1,5
5431/02			50x1,5 sx
5431/03	80	8	60x2
5431/04			60x2 sx



art. 5.432



**GHIERA SU PUNTA IN DIAMANTE BREVETTATA
PER ARTICOLO 8P23-8P25-8P26 ER32-ER40**

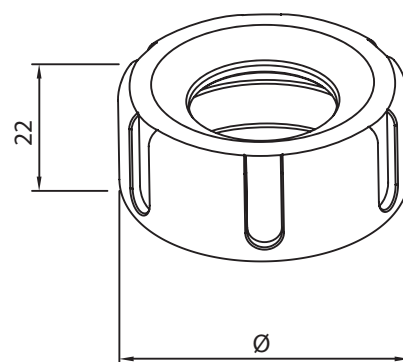


**LOCKING NUT FOR PATENTED DIAMOND ROUTER BITS WITH
SHANK ER32-ER40 : ART. 8P23-8P25-8P26**



Ricambi / Spare parts

ARTICOLO ITEM	FILETTO THREAD	Ø
5.432/ERXD32	M40x1,5	50
5.432/ERXD40	M50x1,5	63



art. 5.433



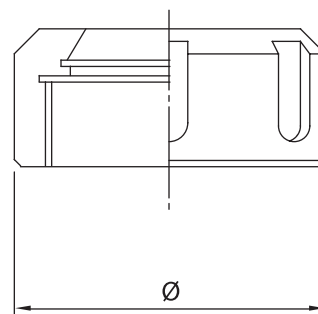
GHIERA SU MANDRINO PER ARTICOLO 5.411-5.413



LOCKING NUT FOR ART. 5.411-5.413



ARTICOLO ITEM	FILETTO THREAD	Ø	FILETTO THREAD
5.433/ER32	ER32	50	M40x1,5
5.433/ER40	ER40	63	M50x1,5



art. 5.436



GHIERA PER MANDRINI PORTAPINZE NELLE
LAVORAZIONI DI NESTING

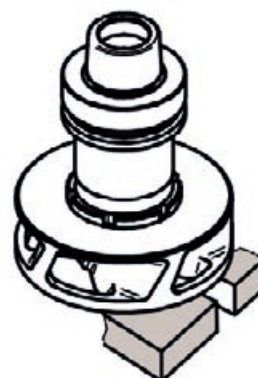


LOCKING NUT FOR COLLET
CHUCKS FOR NESTING WORKING



Ricambi / Spare parts

ARTICOLO ITEM	Ø	SP	D
5.436/ER32	110	33	2+20
5.436/ER40	110	33	2+26
5.436/ECO25	110	33	2+25



art. 5.441



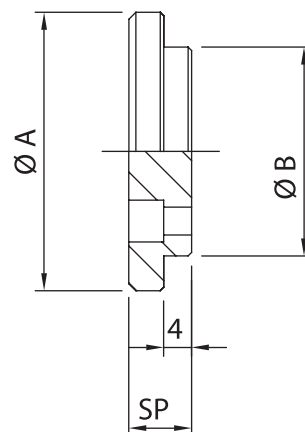
**FLANGIA DI BLOCCAGGIO A SISTEMA ESPANSO
SU MANDRINO PER ARTICOLO 5.412-5.414**



**LOCKING FLANGE WITH EXPANSIVE SYSTEM FOR
ART. 5.412 – 5.414**



ARTICOLO ITEM	ØA	ØB	SPESSORE THICKNESS
5.441/01	30	20	10
5.441/02	40	30	9
5.441/03	45	35	9
5.441/04	50	40	9



art. 5.442



**FLANGIA DI BLOCCAGGIO A SISTEMA RIDOTTO
SU MANDRINO PER ARTICOLO 5.412-5.414**

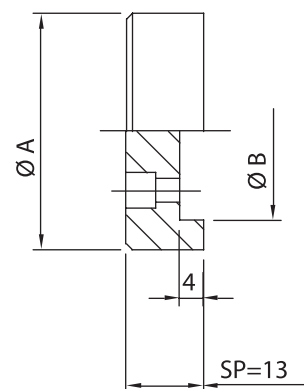


**LOCKING FLANGE WITH REDUCED SYSTEM
FOR ART. 5.412 – 5.414**



Ricambi / Spare parts

ARTICOLO ITEM	ØA	ØB	SP
5.442/01	30	20	13
5.442/02	40	30	
5.442/03	45	35	
5.442/04	50	40	



art. 5.446A



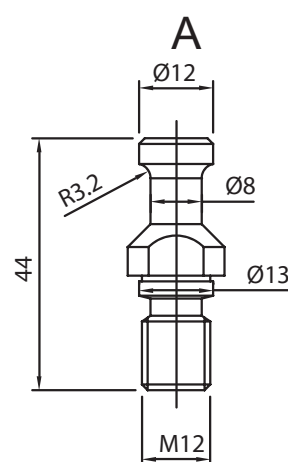
**TIRANTE DI BLOCCAGGIO SU MANDRINO
ISO30 ER32-ER40 PER ARTICOLO 5.413-5.414**



**LOCKING ROD ON TOOL-HOLDER ISO 30 ER32-ER40
FOR ART. 5.413 – 5.414**



ARTICOLO ITEM	MISURA DIMENSIONS	MACCHINA MACHINES
5.446-A	Ø12 – Ø8	"BIESSE-HSD- Masterwood da fine 1999-COSMEC"



art. 5.446B



**TIRANTE DI BLOCCAGGIO SU MANDRINO
ISO30 ER32-ER40 PER ARTICOLO 5.413-5.414**

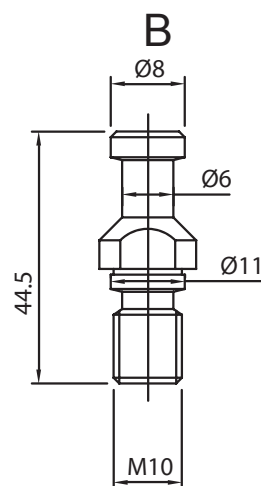


**LOCKING ROD ON TOOL-HOLDER ISO 30 ER32-ER40
FOR ART. 5.413 – 5.414**



Ricambi / Spare parts

ARTICOLO ITEM	MISURA DIMENSIONS	MACCHINA MACHINES
5.446-B	Ø8 – Ø6	SCM-MORBIDELLI



art. 5.446C



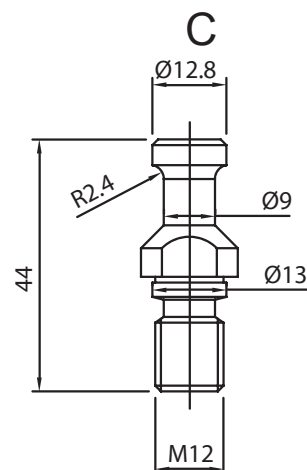
**TIRANTE DI BLOCCAGGIO SU MANDRINO
ISO30 ER32-ER40 PER ARTICOLO 5.413-5.414**



**LOCKING ROD ON TOOL-HOLDER ISO 30 ER32-ER40
FOR ART. 5.413 – 5.414**



ARTICOLO ITEM	MISURA DIMENSIONS	MACCHINA MACHINES
5.446-C	Ø12,8 – Ø9	CMS



art. 5.446D



**TIRANTE DI BLOCCAGGIO SU MANDRINO
ISO30 ER32-ER40 PER ARTICOLO 5.413-5.414**

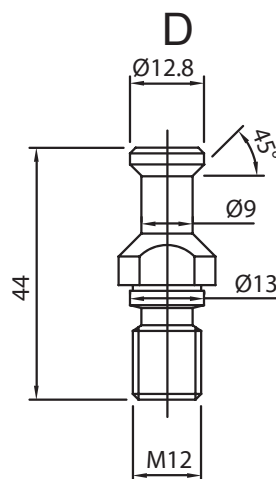


**LOCKING ROD ON TOOL-HOLDER ISO 30 ER32-ER40
FOR ART. 5.413 – 5.414**



Ricambi / Spare parts

ARTICOLO ITEM	MISURA DIMENSIONS	MACCHINA MACHINES
5.446-D	Ø12,8 – Ø9	GIORDANO COLOMBO-ALBERTI- MASTERWOOD fino al 1999



art. 5.446E



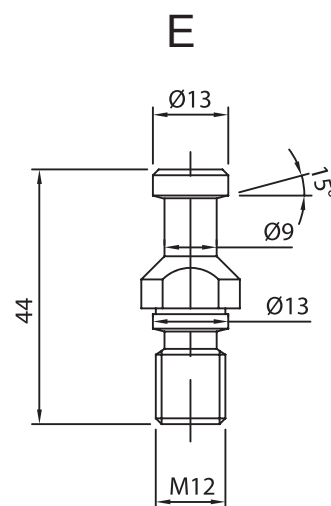
**TIRANTE DI BLOCCAGGIO SU MANDRINO
ISO30 ER32-ER40 PER ARTICOLO 5.413-5.414**



**LOCKING ROD ON TOOL-HOLDER ISO 30 ER32-ER40
FOR ART. 5.413 – 5.414**



ARTICOLO ITEM	MISURA DIMENSIONS	MACCHINA MACHINES
5.446-E	Ø13 - Ø9	ELTE-IMA-MAKA-WEEKE-BULLERI- BUSELLATO-ESSETEAM



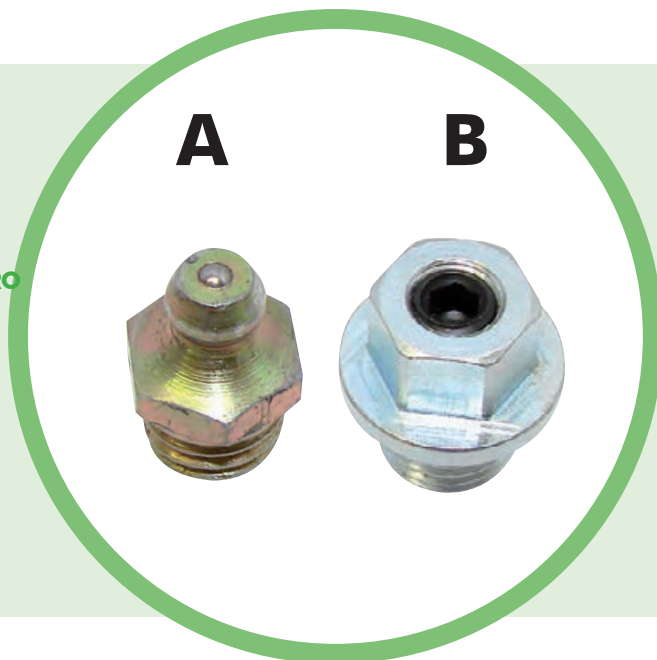
art. 5.1001



**VALVOLA DI CARICO E SCARICO SU UTENSILE HYDRO
PER ARTICOLO 8F.03**



**CHARGING-DISCHARGING VALVE FOR HYDRO TOOL:
ART. 8F.03**



Ricambi / Spare parts

ARTICOLO ITEM	DESCRIZIONE DESCRIPTION
5.1001/01	Valvola di carico CHARGING VALVE
5.1001/02	Valvola di scarico DISCHARGING VALVE

art. 5.1005



**POMPA PER VALVOLA DI CARICO SU UTENSILI
HYDRO PER ARTICOLO 5.1001**



**PUMP FOR CHARGING VALVE ON HYDRO TOOL:
ART.5.1001**



ARTICOLO ITEM	DESCRIZIONE DESCRIPTION
5.1005/01	Pistola di ingrassaggio WANNER GREASE PUMP WANNER
5.1005/02	Cartuccia grasso di ricambio GREASE CARTRIDGE

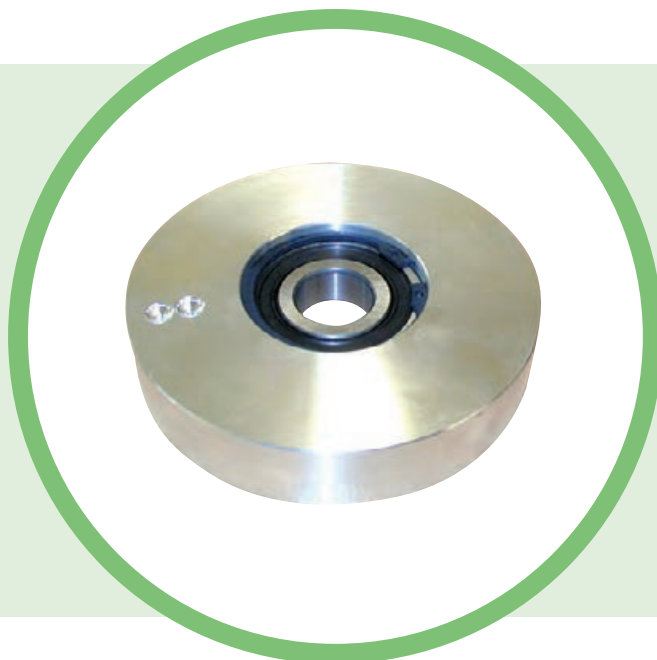
art. 5.1011



CAPSULA CON CUSCINETTO

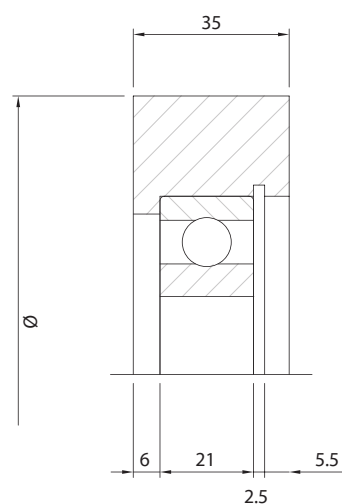


CAPSULE WITH BEARING



Ricambi / Spare parts

ARTICOLO ITEM	Ø	SPESSORE THICKNESS
5.1011/01	120÷160	34



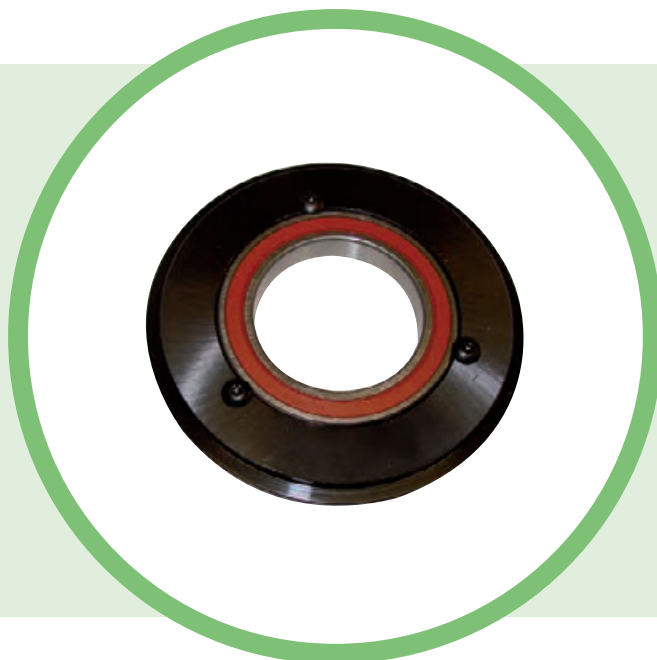
art. 5.1013



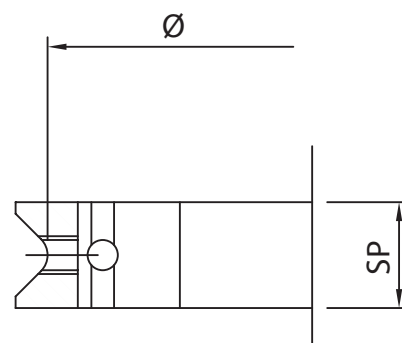
**CAPSULA CON CUSCINETTO SU UTENSILE
PER ARTICOLO 8F.16**



CAPSULE WITH BEARING FOR TOOL ART.8F.16



ARTICOLO ITEM	DESCRIZIONE DESCRIPTION
5.1013/01	A richiesta



art. 5.1031



CALIBRO DIGITALE



DIGITAL CALIBER



Ricambi / Spare parts

ARTICOLO ITEM	DESCRIZIONE DESCRIPTION
5.1031/01	CALIBRO per misura mm 0÷150 DIGITAL CALIBER FOR MEASURING MM0÷150
5.1031/02	Pila ricambio SR44W BATTERY PARTS SR444W

Fam. 7

Punte integrali / Solid carbide router bits
+
Punte foratrici / milling router bits



INDICE / SUMMARY



art. 7.01A pag. 06

**PUNTA HM INTEGRALE
ELICOIDALE PER FORATURA E
CONTORNATURA A Z=1 CON
ROTAZIONE DX TRAENTE**
SOLID CARBIDE SPIRAL ROUTER BIT
Z=1 RIGHT-HAND ROTATION/UP-CUT



art. 7.03B pag. 11

**PUNTA HM INTEGRALE
ELICOIDALE PER FORATURA E
CONTORNATURA A Z=3 CON
ROTAZIONE DX SPINGENTE**
SOLID CARBIDE SPIRAL ROUTER BIT
Z=3 RIGHT-HAND ROTATION/DOWN-CUT



art. 7.01B pag. 07

**PUNTA HM INTEGRALE
ELICOIDALE PER FORATURA E
CONTORNATURA A Z=1 CON
ROTAZIONE DX SPINGENTE**
SOLID CARBIDE SPIRAL ROUTER BIT
Z=1 RIGHT-HAND ROTATION/DOWN-CUT



art. 7.04A pag. 12

**PUNTA HM INTEGRALE
ELICOIDALE PER FORATURA
E CONTORNATURA A Z=3 +
ROMPITRUCIOLO PER GROSSE
ASPORTAZIONI CON ROTAZIONE
DX TRAENTE**
SOLID CARBIDE SPIRAL ROUGHING
ROUTER BIT WITH CHIPBREAKER
Z=3 RIGHT-HAND ROTATION/UP-CUT



art. 7.02A pag. 08

**PUNTA HM INTEGRALE
ELICOIDALE PER FORATURA E
CONTORNATURA A Z=2 CON
ROTAZIONE DX TRAENTE**
SOLID CARBIDE SPIRAL ROUTER BIT
Z=2 RIGHT-HAND ROTATION/UP-CUT



art. 7.04B pag. 13

**PUNTA HM INTEGRALE
ELICOIDALE PER FORATURA
E CONTORNATURA A Z=3 +
ROMPITRUCIOLO PER GROSSE
ASPORTAZIONI CON ROTAZIONE
DX SPINGENTE**
SOLID CARBIDE SPIRAL ROUGHING
ROUTER BIT WITH CHIPBREAKER
Z=3 RIGHT-HAND ROTATION/DOWN-CUT



art. 7.02B pag. 09

**PUNTA HM INTEGRALE
ELICOIDALE PER FORATURA E
CONTORNATURA A Z=2 CON
ROTAZIONE DX SPINGENTE**
SOLID CARBIDE SPIRAL ROUTER BIT
Z=2 RIGHT-HAND ROTATION/DOWN-CUT



art. 7.05 pag. 14

**PUNTA HM INTEGRALE
ELICOIDALE PER FORATURA E
CONTORNATURA DI PANNELLI
IMPIALLACCIATI O BILAMATI A
Z=2 TRAENTI E Z=2 SPINGENTI
CON ROTAZIONE DX**
SOLID CARBIDE SPIRAL ROUTER BIT
FOR VENEER AND DOUBLE FACED PANELS
Z=2+2 (UP-CUT/DOWN-CUT)
RIGHT-HAND ROTATION



art. 7.03A pag. 10

**PUNTA HM INTEGRALE
ELICOIDALE PER FORATURA E
CONTORNATURA A Z=3 CON
ROTAZIONE DX TRAENTE**
SOLID CARBIDE SPIRAL ROUTER BIT
Z=3 RIGHT-HAND ROTATION/UP-CUT



art. 7.05A pag. 15

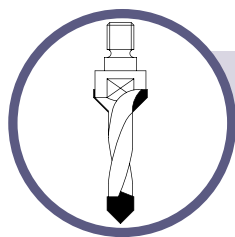
**PUNTA HM INTEGRALE
ELICOIDALE PER FORATURA E
CONTORNATURA DI PANNELLI
IMPIALLACCIATI O BILAMATI A
Z=2 TRAENTI E Z=2 SPINGENTI
CON ROTAZIONE SX**
SOLID CARBIDE SPIRAL ROUTER BIT FOR
VENEER AND DOUBLE FACED PANELS
Z=2+2 (UP-CUT/DOWN-CUT) LEFT-HAND
ROTATION

INDICE / SUMMARY



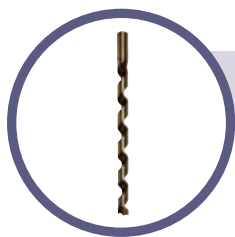
art. 7.06 pag. 16

PUNTA HM INTEGRALE A Z=1+1 (TRAENTE E SPINGENTE) CON TAGLIENTI ELICOIDALI PER L'ESECUZIONE DI FORATURA E CONTORNATURA DI PANNELLI IMPIALLACCIATI O BILAMATI ROTAZIONE DX-SX
SOLID CARBIDE SPIRAL ROUTER BIT FOR VENEER AND DOUBLE FACED PANELS Z=1+1 (UP-CUT/DOWN-CUT) RIGHT-HAND AND LEFT-HAND ROTATION



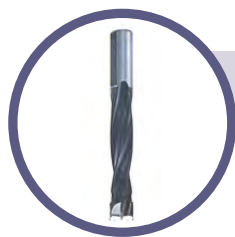
art. 7.12 pag. 21

PUNTA SPINATRICE HM CON SVASATORE PER FORATRICE MULTILPLA A ROTAZIONE DX E SX PER L'ESECUZIONE DEL FORO PASSANTE CON ATTACCO VITAP O MORBIDELLI
HM DRILLING BIT WITH COUNTERSINK FOR TROUGH HOLES TO BE USED ON MULTIBORING MACHINES SHANK VITAP OR MORBIDELLI RIGHT AND LEFT-HAND ROTATION



art. 7.09 pag. 17

PUNTA IN HM ELICOIDALE MONOELICA PER ESEGUIRE FORI PROFONDI
SOLID CARBIDE MONOSPIRAL BIT FOR DEEP BORING



art. 7.13 pag. 22

PUNTA SPINATRICE COMPONIBILE HM PER FORATRICE MULTIPLA A ROTAZIONE DX E SX PER L'ESECUZIONE DEL FORO CIECO CON ATTACCO CILINDRICO Ø 10
HM DOWEL DRILL FOR BLIND HOLES TO BE USED ON MULTIBORING MACHINES RIGHT-HAND AND LEFT-HAND ROTATION CYLINDRICAL SHANK Ø 10



art. 7.10 pag. 18

PUNTA SVASATORE PER FORATRICI MULTIPLE ROTAZIONE DX-SX ATTACCO Ø10X20
HM DRILLING BIT WITH COUNTERSINK FOR BLIND HOLES FOR MULTIBORING MACHINES. SHANK Ø 10X20. RIGHT AND LEFT - HAND ROTATION



art. 7.14 pag. 23

PUNTA SPINATRICE COMPONIBILE HM PER FORATRICE MULTIPLA A ROTAZIONE DX E SX PER L'ESECUZIONE DEL FORO PASSANTE CON ATTACCO CILINDRICO Ø 10 A 4 GOLE
HM DOWEL DRILL FOR THROUGH HOLES CYLINDRICAL SHANK Ø 10, 4 SPIRALS TO BE USED ON MULTI-BORING MACHINES RIGHT AND LEFT-HAND ROTATION



art. 7.11A pag. 19

PUNTA SPINATRICE HM SENZA SVASATORE PER FORATRICE MULTIPLA A ROTAZIONE DX E SX PER L'ESECUZIONE DEL FORO CIECO CON ATTACCO VITAP O MORBIDELLI
HM DRILLING BIT WITHOUT COUNTERSINK FOR BLIND HOLES FOR MULTIBORING MACHINES RIGHT AND LEFT HAND ROTATION SHANK VITAP OR MORBIDELLI



art. 7.14A pag. 24

PUNTA SPINATRICE COMPONIBILE HM PER FORATRICE MULTIPLA A ROTAZIONE DX E SX PER L'ESECUZIONE DEL FORO PASSANTE CON ATTACCO CILINDRICO Ø 10 A 2 GOLE
HM DOWEL DRILL FOR THROUGH HOLES CYLINDRICAL SHANK Ø 10, 2 SPIRALS TO BE USED ON MULTI-BORING MACHINES RIGHT AND LEFT-HAND ROTATION



art. 7.11B pag. 20

PUNTA SPINATRICE HM CON SVASATORE PER FORATRICE MULTIPLA A ROTAZIONE DX E SX PER L'ESECUZIONE DEL FORO CIECO CON ATTACCO VITAP O MORBIDELLI
HM DRILLING BIT WITH COUNTERSINK FOR BLIND HOLES FOR MULTIBORING MACHINES SHANK VITAP OR MORBIDELLI RIGHT-LEFT-HAND ROTATION



art. 7.15 pag. 25

SVASATORE HM PER PUNTE COMPONIBILI A ROTAZIONE DX E SX PER L'ESECUZIONE DI SVASATURA
HM COUNTERSINK FOR DOWEL DRILLS RIGHT AND LEFT ROTATION

INDICE / SUMMARY



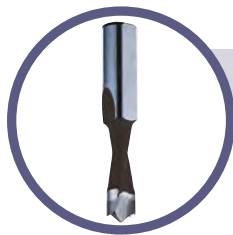
art. 7.15A pag. 26

**SVASATORE HM PER PUNTE
COMPONIBILI A ROTAZIONE
DX E SX PER L'ESECUZIONE DI
SVASATURA**
HM COUNTERSINK FOR DOWEL DRILLS
RIGHT AND LEFT-HAND ROTATION



art. 7.19 pag. 32

**SVASATORE PORTA-PUNTE CON
ATTACCO Ø10 DA USARE CON
PUNTE ART. 7.17**
COUNTERSINK WITH SHANK Ø 10
TO BE USED WITH DRILLING BIT ART. 7.17



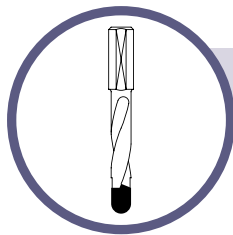
art. 7.16 pag. 27

**PUNTA PER FORATRICI HM
SPECIALE PER ESEGUIRE OTTIMA
FINITURA NEI FORI**
SPECIAL HM DRILLING BIT FOR GOOD
FINISHING OF THE HOLES



art. 7.21 pag. 33

**PUNTA LEVANODO HM Z=2+2
A ROTAZIONE DX E SX PER
L'ESECUZIONE DEL FORO PER
L'INSERIMENTO DELLA CERNIERA
CON ATTACCO CILINDRICO Ø 10**
HM HINGE BORING BIT Z=2+2
CYLINDRICAL SHANK Ø 10
RIGHT AND LEFT ROTATION



art. 7.16A pag. 28

**PUNTA SPINATRICE COMPONIBILE
IN WIDIA "DUROX" CON
AFFILATURA SPECIALE-PASSANTE
ROTAZIONE DX-SX ATT. 10X24**
SPECIAL DOWEL DRILL FOR TROUGH
HOLES IN HM "DUROX" RIGHT AND LEFT-
HAND ROTATION SHANK 10X24



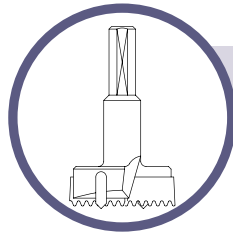
art. 7.22 pag. 34

**PUNTA LEVANODO HM Z=2+2
A ROTAZIONE DX E SX PER
L'ESECUZIONE DEL FORO PER
L'INSERIMENTO DELLA CERNIERA
CON ATTACCO MORBIDELLI O VITAP**
HM HINGE BORING BIT Z=2+2
MORBIDELLI OR VITAP SHANK
RIGHT AND LEFT-HAND ROTATION



art. 7.17 pag. 29

**PUNTA DI RICAMBIO HM
INTEGRALE A ROTAZIONE DX E
SX DA USARE SU MANDRINO
ART. 7.18 E SVASATORE ART. 7.19**
SOLID CARBIDE DRILLING BIT
SPARE PART TO BE USED WITH ART. 7.18
AND ART. 7.19 RIGHT AND LEFT-HAND
ROTATION



art. 7.22A pag. 35

**PUNTA LEVANODO HM Z=2+2
A ROTAZIONE DX E SX PER
L'ESECUZIONE DI FORI DI
PRECISIONE CON ROMPTRUCIOLO
MULTIPLO**
HM HINGE BORING BIT Z=2+2
WITH CHIPBREAKER FOR HIGH BORING
QUALITY RIGHT-LEFT HAND ROTATION



art. 7.18 pag. 30

**MANDRINO PORTA PUNTE CON
ATTACCO Ø 10x20 DA USARE
CON PUNTE ART. 7.17**
ADAPTOR WITH SHANK Ø 10X20
TO BE USED WITH DRILLING BIT ART. 7.17



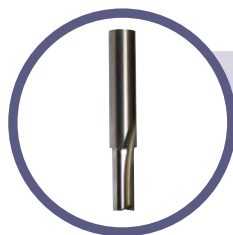
art. 7.23 pag. 36

**PUNTA LEVANODO HM Z=3+3
PER L'ESECUZIONE DEL FORO PER
L'INSERIMENTO DELLA CERNIERA
CON ATTACCO CILINDRICO Ø 10**
HM HINGE BORING BIT Z=3+3
CYLINDRICAL SHANK Ø 10



art. 7.18A pag. 31

**BOCCOLE ATTACCO RAPIDO
Ø10X23 mm**
SPAREPART RING Ø 10X23 mm



art. 7.24 pag. 37

**PUNTA HM A Z=2 PER
L'ESECUZIONE DI FORATURA E
CONTORNATURA DA MONTARE
SU MANDRINO PER PANTOGRAFO
CON ATTACCO Ø 9,5**
CNC HM BIT FOR ROUTING AND DRILLING
Z=2 TO BE USED ON ADAPTOR WITH
SHANK Ø 9,5

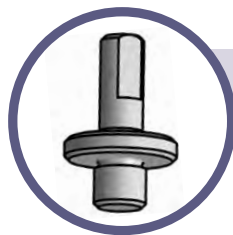
INDICE / SUMMARY



art. 7.25 pag. 38

PUNTA HM INTEGRALE DIRITTA PER FORATURA E CONTORNATURA CON ATTACCO Ø 10 A Z=2

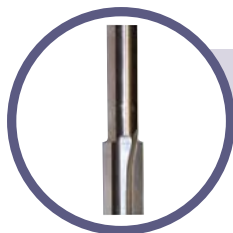
HM BIT FOR ROUTING AND BORING
Z=2 STRAIGHT CUT SHANK Ø 10



art. 7.33 pag. 44

MANDRINO PER PUNTE componibili a rotazione DX e SX con attacco Ø 10

ADAPTOR FOR DOWELL DRILLS
SHANK Ø 10 RIGHT-LEFT HAND
ROTATION



art. 7.26 pag. 39

FRESA A TAGLIENTI DIRITTI PER CANALI SERIE CORTA

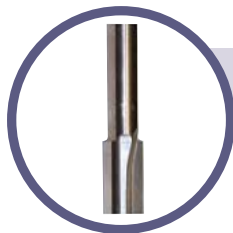
GROOVING SHANK CUTTER
WITH STRAIGHT CUT SHORT TYPE



art. 7.41 pag. 45

PUNTA HM INTEGRALE SAGOMATA

FULL HM PROFILED ROUTER BIT



art. 7.27 pag. 40

FRESA A TAGLIENTI DIRITTI PER CANALI SERIE LUNGA

GROOVING SHANK CUTTER
WITH STRAIGHT CUT LONG TYPE



art. 7.45 pag. 46

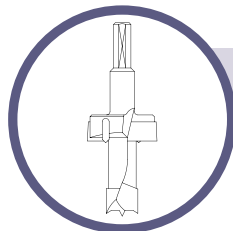
PUNTA HM INTEGRALE ELICOIDALE PER FORATURA CAVA SERRATURA PORTE A Z=3
FULL HM SPIRAL ROUTER BIT FOR DOORS
LOCKS Z=3



art. 7.30 pag. 41

PUNTA HM PER ELETTROFRESATRICE CON ATTACCO ELU

HM SHANK CUTTER FOR PORTABLE
ROUTERS ELU SHANK



art. 7.46 pag. 47

PUNTE IN HM A DOPPIO DIAMETRO A FORARE
HM BORING BIT WITH DOUBLE
DIAMETER



art. 7.31 pag. 42

MANDRINO PER PUNTE componibili a rotazione DX e SX con attacco MORBIDELLI

ADAPTOR FOR DOWELL DRILLS SHANK
MORBIDELLI RIGHT-LEFT HAND
ROTATION



art. 7.32 pag. 43

MANDRINO PER PUNTE componibili a rotazione DX e SX con attacco VITAP

ADAPTOR FOR DOWELL DRILLS
SHANK VITAP RIGHT-LEFT HAND
ROTATION

art. 7.01A



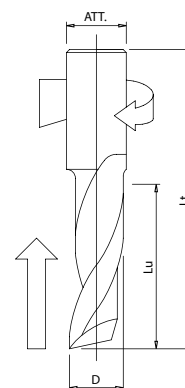
**PUNTA HM INTEGRALE ELICOIDALE PER
FORATURA E CONTORNATURA A Z=1 CON
ROTAZIONE DX TRAENTE**



**SOLID CARBIDE SPIRAL ROUTER BIT
Z=1 RIGHT- HAND ROTATION/UP-CUT**



ARTICOLO ITEM	Ø	L.U	L.T.
7.01A/3x12	3	12	50
7.01A/4x15	4	15	50
7.01A/5x17	5	17	50
7.01A/6x22	6	22	60
7.01A/8x22	8	22	70
7.01A/10x32	10	32	70
7.01A/12x32	12	32	80



art. 7.01B



**PUNTA HM INTEGRALE ELICOIDALE PER
FORATURA E CONTORNATURA A Z=1 CON
ROTAZIONE DX SPINGENTE**

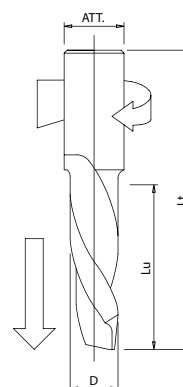


**SOLID CARBIDE SPIRAL ROUTER BIT Z=1 RIGHT-HAND
ROTATION/ DOWN-CUT**



**Punte integrali / Solid carbide router bits
+
Punte foratrici / milling router bits**

ARTICOLO ITEM	Ø	L.U	L.T.
7.01B/3x12	3	12	50
7.01B/4x15	4	15	50
7.01B/5x17	5	17	50
7.01B/6x22	6	22	60
7.01B/8x22	8	22	70
7.01B/10x32	10	32	70
7.01B/12x32	12	32	80



art. 7.02A



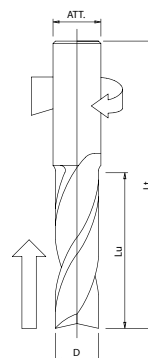
**PUNTA HM INTEGRALE ELICOIDALE PER
FORATURA E CONTORNATURA A Z=2 CON
ROTAZIONE DX TRAENTE**



**SOLID CARBIDE SPIRAL ROUTER BIT
Z=2 RIGHT-HAND ROTATION / UP-CUT**



ARTICOLO ITEM	Ø	L.U	L.T.
7.02A/3x12	3	12	50
7.02A/4x15	4	15	50
7.02A/5x17	5	17	50
7.02A/6x22	6	27	70
7.02A/8x22	8	22	70
7.02A/8x32	8	32	80
7.02A/10x32	10	32	80
7.02A/10x42	10	42	90
7.02A/12x35	12	35	80
7.02A/12x42	12	42	90
7.02A/14x50	14	50	110
7.02A/16x35	16	35	90
7.02A/16x55	16	55	110
7.02A/20x72	20	72	120



art. 7.02B



PUNTA HM INTEGRALE ELICOIDALE PER FORATURA E CONTORNATURA A Z=2 CON ROTAZIONE DX SPINGENTE

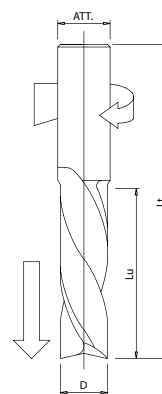


SOLID CARBIDE SPIRAL ROUTER BIT Z=2 RIGHT-HAND ROTATION / DOWN-CUT



**Punte integrali / Solid carbide router bits
+
Punte foratrici / milling router bits**

ARTICOLO ITEM	Ø	L.U	L.T.
7.02B/3x12	3	12	50
7.02B/4x15	4	15	50
7.02B/5x17	5	17	50
7.02B/6x22	6	27	70
7.02B/8x22	8	22	70
7.02B/8x32	8	32	80
7.02B/10x32	10	32	80
7.02B/12x35	12	35	80
7.02B/16x55	16	55	110



art. 7.03A



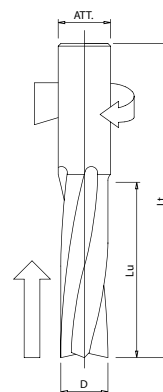
**PUNTA HM INTEGRALE ELICOIDALE PER
FORATURA E CONTORNATURA A Z=3 CON
ROTAZIONE DX TRAENTE**



**SOLID CARBIDE SPIRAL ROUTER BIT
Z=3 RIGHT-HAND ROTATION / UP-CUT**



ARTICOLO ITEM	Ø	L.U	L.T.
7.03A/8x32	8	32	80
7.03A/10x32	10	32	80
7.03A/10x42	10	42	90
7.03A/12x35	12	35	80
7.03A/12x42	12	42	90
7.03A/14x50	14	50	110
7.03A/16x35	16	35	90
7.03A/16x55	16	55	110
7.03A/18x55	18	55	110
7.03A/20x60	20	60	120
7.03A/20x72	20	72	120



art. 7.03B



**PUNTA HM INTEGRALE ELICOIDALE PER
FORATURA E CONTORNATURA A Z=3 CON
ROTAZIONE DX SPINGENTE**

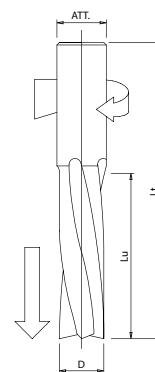


**SOLID CARBIDE SPIRAL ROUTER BIT
Z=3 RIGHT-HAND ROTATION / DOWN-CUT**



**Punte integrali / Solid carbide router bits
+
Punte foratrici / milling router bits**

ARTICOLO ITEM	Ø	L.U	L.T.
7.03B/10x32	10	32	80
7.03B/12x35	12	35	80
7.03B/14x50	14	50	110
7.03B/16x35	16	35	90
7.03B/16x55	16	55	110
7.03B/18x55	18	55	110
7.03B/20x60	20	60	120



art. 7.04A



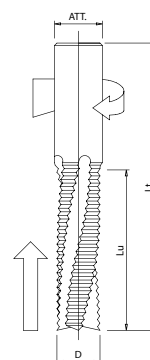
**PUNTA HM INTEGRALE ELICOIDALE PER
FORATURA E CONTORNATURA A Z=3 +
ROMPITRUCIOLO PER GROSSE ASPORTAZIONI
CON ROTAZIONE DX TRAENTE**



**SOLID CARBIDE SPIRAL ROUGHING ROUTER BIT WITH
CHIPBREAKER Z=3 RIGHT-HAND ROTATION / UP-CUT**



ARTICOLO ITEM	Ø	L.U	L.T.
7.04A/8x32	8	32	80
7.04A/10x32	10	32	80
7.04A/10x42	10	42	90
7.04A/12x35	12	35	80
7.04A/12x42	12	42	90
7.04A/14x50	14	58	110
7.04A/16x35	16	35	90
7.04A/16x55	16	55	110
7.04A/18x55	18	55	110
7.04A/20x60	20	60	120
7.04A/20x72	20	72	120



art. 7.04B



**PUNTA HM INTEGRALE ELICOIDALE
PER FORATURA E CONTORNATURA A
Z=3+ROMPITRUCIOLO PER GROSSE
ASPORTAZIONI CON ROTAZIONE DX
SPINGENTE**

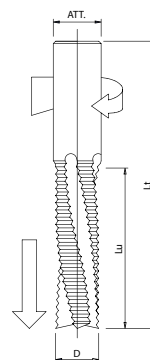


**SOLID CARBIDE SPIRAL ROUGHING ROUTER BIT WITH
CHIPBREAKER Z=3 RIGHT-HAND ROTATION / DOWN-CUT**



**Punte integrali / Solid carbide router bits
+
Punte foratrici / milling router bits**

ARTICOLO ITEM	Ø	L.U	L.T.
7.04B/8x32	8	32	80
7.04B/10x42	10	42	90
7.04B/12x35	12	35	80
7.04B/14x50	14	58	110
7.04B/16x55	16	55	110
7.04B/18x55	18	55	110
7.04B/20x60	20	60	120



art. 7.05



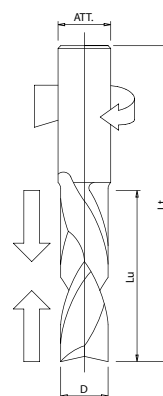
PUNTA HM INTEGRALE ELICOIDALE PER FORATURA E CONTORNATURA DI PANNELLI IMPIALLACCIATI O BILAMATI A Z=2 TRAENTI E Z=2 SPINGENTI CON ROTAZIONE DX



SOLID CARBIDE SPIRAL ROUTER BIT FOR VENEER AND DOUBLE FACED PANELS Z=2+2 (UP-CUT / DOWN-CUT) RIGHT-HAND ROTATION



ARTICOLO ITEM	Ø	L.U	L.T.
7.05/8x32	8	32	80
7.05/10x32	10	32	80
7.05/12x42	12	42	90
7.05/16x55	16	55	110
7.05/18x55	18	55	110



art. 7.05A



PUNTA HM INTEGRALE ELICOIDALE PER FORATURA E CONTORNATURA DI PANNELLI IMPIALLACCIATI O BILAMATI A Z=2 TRAENTI E Z=2 SPINGENTI CON ROTAZIONE SX

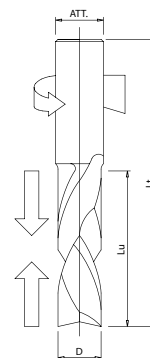


SOLID CARBIDE SPIRAL ROUTER BIT FOR VENEER AND DOUBLE FACED PANELS Z=2+2 (UP-CUT / DOWN-CUT) LEFT-HAND ROTATION



**Punte integrali / Solid carbide router bits
+
Punte foratrici / milling router bits**

ARTICOLO ITEM	Ø	L.U	L.T.
7.05A/8x22	8	22	70
7.05A/8x30	8	30	70
7.05A/10x30	10	30	70
7.05A/10x40	10	40	100
7.05A/10x50	10	50	110
7.05A/12x30	12	30	70
7.05A/12x40	12	40	100
7.05A/12x50	12	50	110
7.05A/14x40	14	40	100
7.05A/14x50	14	50	110
7.05A/16x40	16	40	100
7.05A/16x50	16	50	110
7.05A/18x50	18	50	110
7.05A/20x50	20	50	110



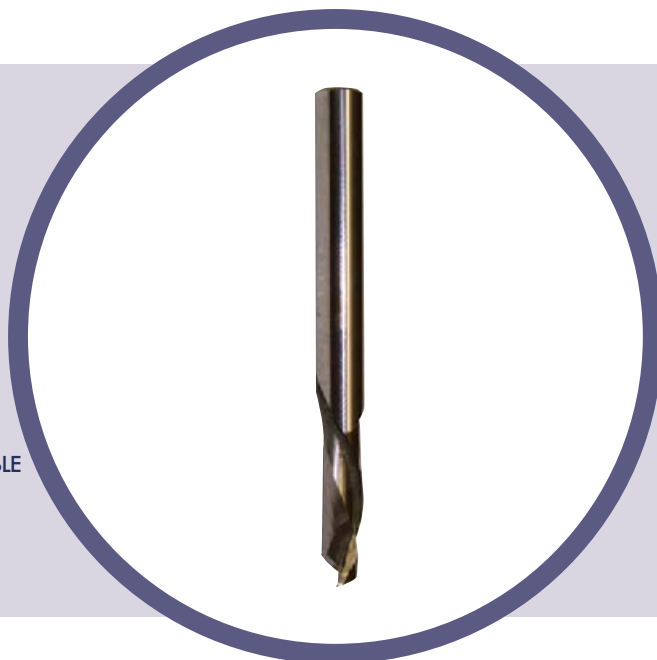
art. 7.06



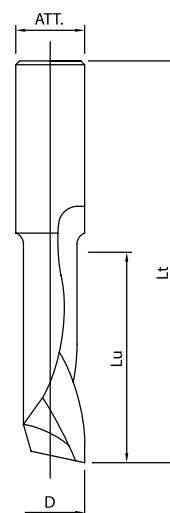
PUNTA HM INTEGRALE A Z=1+1 (TRAENTE E SPINGENTE) CON TAGLIENTI ELICOIDALI PER L'ESECUZIONE DI FORATURA E CONTORNATURA DI PANNELLI IMPIALLACCIATI O BILAMATI ROTAZIONE DX-SX



SOLID CARBIDE SPIRAL ROUTER BIT FOR VENEER AND DOUBLE FACED PANELS Z=1+1 (UP-CUT / DOWN-CUT) RIGHT-HAND AND LEFT-HAND ROTATION



ARTICOLO ITEM	Ø	L.U	L.T.
7.06/5x20dx	5	20	50
7.06/5x20sx	5	20	50
7.06/6x27dx	6	27	60
7.06/6x27sx	6	27	60
7.06/8x22dx	8	22	70
7.06/8x22sx	8	22	70
7.06/8x32dx	8	32	70
7.06/8x32sx	8	32	70
7.06/10x30dx	10	30	70
7.06/10x30sx	10	30	70
7.06/10x40dx	10	40	100
7.06/10x40sx	10	40	100
7.06/10x50dx	10	50	110
7.06/10x50sx	10	50	110
7.06/12x40dx	12	40	100
7.06/12x40sx	12	40	100
7.06/12x50dx	12	50	110
7.06/12x50sx	12	50	110



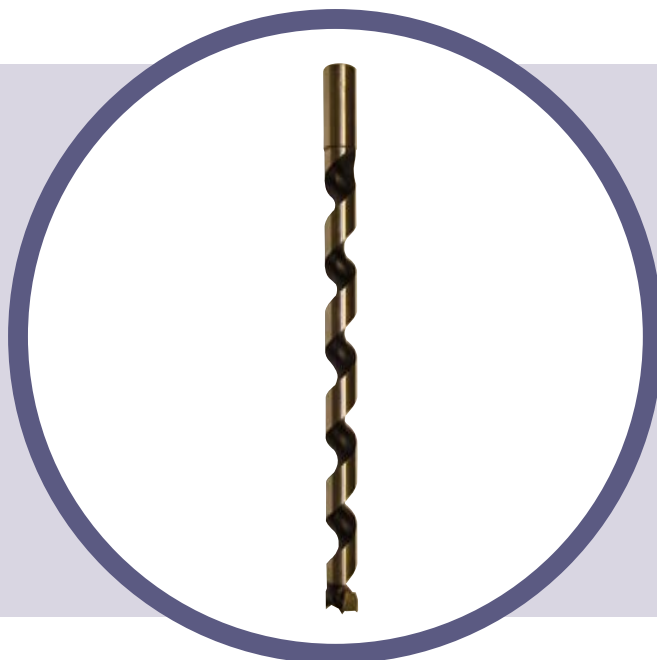
art. 7.09



**PUNTA IN HM ELICOIDALE MONOELICA PER
ESEGUIRE FORI PROFONDI**

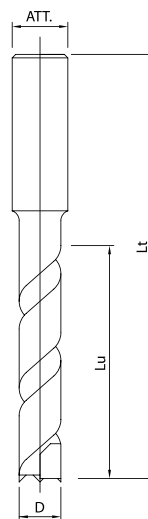


SOLID CARBIDE MONOSPIRAL BIT FOR DEEP BORING



**Punte integrali / Solid carbide router bits
+
Punte foratrici / milling router bits**

ARTICOLO ITEM	Ø	L.U	ATTACCO Ø SHANK Ø
7.09/10x150	10	150	13x50
7.09/12x160	12	160	13x50
7.09/14x180	14	180	13x50
7.09/16x200	16	200	16x50
7.09/18x220	18	220	16x50
7.09/20x220	20	220	16x50
7.09/22x220	22	220	16x50
7.09/24x220	24	220	16x50



art. 7.10



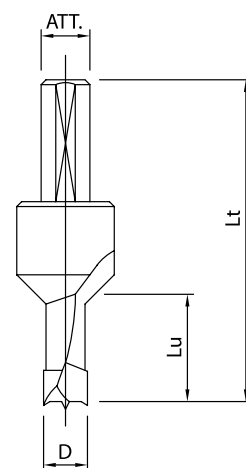
**PUNTA SVASATORE PER FORATRICI MULTIPLE
ROTAZIONE DX-SX ATTACCO Ø10X20**



**HM DRILLING BIT WITH COUNTERSINK FOR BLIND HOLES FOR
MULTIBORING MACHINES. SHANK Ø 10X20.
RIGHT AND LEFT - HAND ROTATION**



ARTICOLO ITEM	Ø	L.U	L.T.
7.10/5x20x70	5	20	70
7.10/5x30x70	5	30	70
7.10/5x40x70	5	40	70
7.10/5x50x70	5	50	70
7.10/6x20x70	6	20	70
7.10/6x30x70	6	30	70
7.10/6x40x70	6	40	70
7.10/6x50x70	6	50	70
7.10/8x20x70	8	20	70
7.10/8x30x70	8	30	70
7.10/8x40x70	8	40	70
7.10/8x50x70	8	50	70
7.10/10x20x70	10	20	70
7.10/10x30x70	10	30	70
7.10/10x40x70	10	40	70
7.10/10x50x70	10	50	70
7.10/12x20x70	12	20	70
7.10/12x30x70	12	30	70
7.10/12x40x70	12	40	70
7.10/12x50x70	12	50	70
7.10/14x20x70	14	20	70
7.10/14x30x70	14	30	70
7.10/14x40x70	14	40	70
7.10/14x50x70	14	50	70
7.10/16x20x70	16	20	70
7.10/16x30x70	16	30	70
7.10/16x40x70	16	40	70
7.10/16x50x70	16	50	70



art. 7.11A



**PUNTA SPINATRICE HM SENZA SVASATORE
PER FORATRICE MULTIPLA A ROTAZIONE DX E
SX PER L'ESECUZIONE DEL FORO CIECO CON
ATTACCO VITAP O MORBIDELLI**

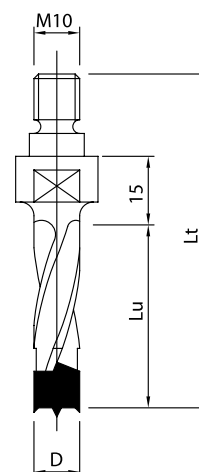


**HM DRILLING BIT WITHOUT COUNTERSINK FOR BLIND HOLES
FOR MULTIBORING MACHINES RIGHT AND LEFT HAND
ROTATION SHANK VITAP OR MORBIDELLI**



**Punte integrali / Solid carbide router bits
+
Punte foratrici / milling router bits**

ARTICOLO ITEM	Ø	L.U
7.11A/5x30	5	30
7.11A/5x40	5	40
7.11A/5x50	5	50
7.11A/6x30	6	30
7.11A/6x40	6	40
7.11A/6x50	6	50
7.11A/8x30	8	30
7.11A/8x40	8	40
7.11A/8x50	8	50
7.11A/10x30	10	30
7.11A/10x40	10	40
7.11A/10x50	10	50
7.11A/12x30	12	30
7.11A/12x40	12	40
7.11A/12x50	12	50



art. 7.11B



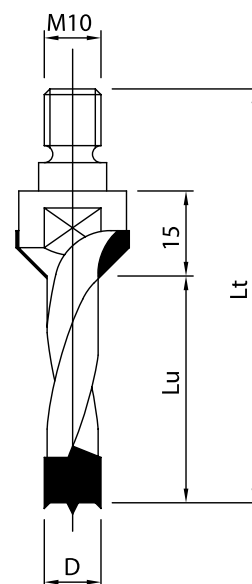
**PUNTA SPINATRICE HM CON SVASATORE
PER FORATRICE MULTIPLA A ROTAZIONE DX E
SX PER L'ESECUZIONE DEL FORO CIECO CON
ATTACCO VITAP O MORBIDELLI**



**HM DRILLING BIT WITH COUNTERSINK FOR BLIND
HOLES FOR MULTIBORING MACHINES SHANK VITAP
OR MORBIDELLI
RIGHT-LEFT-HAND ROTATION**



ARTICOLO ITEM	Ø	L.U
7.11B/5x30	5	30
7.11B/5x40	5	40
7.11B/5x50	5	50
7.11B/6x30	6	30
7.11B/6x40	6	40
7.11B/6x50	6	50
7.11B/8x30	8	30
7.11B/8x40	8	40
7.11B/8x50	8	50
7.11B/10x30	10	30
7.11B/10x40	10	40
7.11B/10x50	10	50
7.11B/12x30	12	30
7.11B/12x40	12	40
7.11B/12x50	12	50



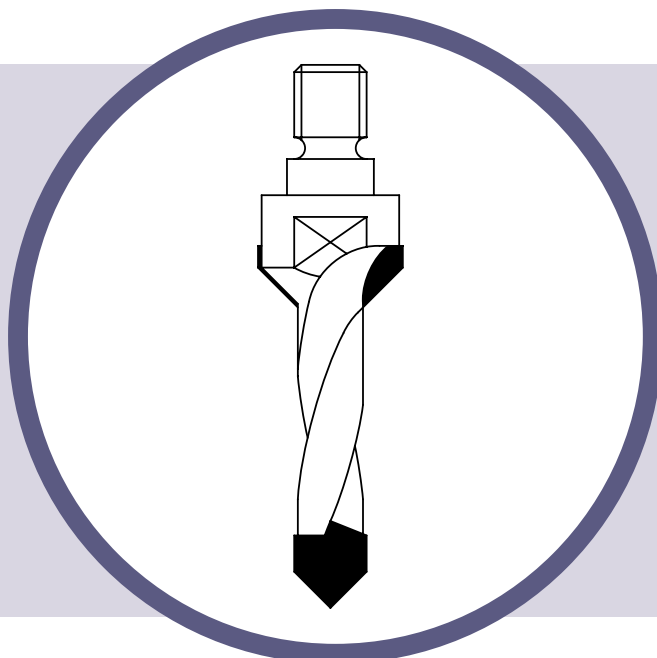
art. 7.12



**PUNTA SPINATRICE HM CON SVASATORE
PER FORATRICE MULTILPLA A ROTAZIONE DX
E SX PER L'ESECUZIONE DEL FORO PASSANTE
CON ATTACCO VITAP O MORBIDELLI**

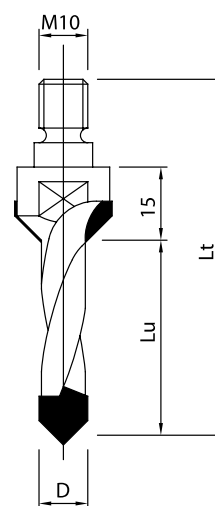


**HM DRILLING BIT WITH COUNTERSINK FOR TROUGH
HOLES TO BE USED ON MULTIBORING MACHINES
SHANK VITAP OR MORBIDELLI RIGHT AND LEFT-HAND
ROTATION**



**Punte integrali / Solid carbide router bits
+
Punte foratrici / milling router bits**

ARTICOLO ITEM	Ø	L.U
7.12/5x30	5	30
7.12/5x40	5	40
7.12/5x50	5	50
7.12/6x30	6	30
7.12/6x40	6	40
7.12/6x50	6	50
7.12/7x30	7	30
7.12/7x40	7	40
7.12/7x50	7	50
7.12/8x30	8	30
7.12/8x40	8	40
7.12/8x50	8	50
7.12/9x30	9	30
7.12/9x40	9	40
7.12/9x50	9	50
7.12/10x30	10	30
7.12/10x40	10	40
7.12/10x50	10	50
7.12/12x30	12	30
7.12/12x40	12	40
7.12/12x50	12	50



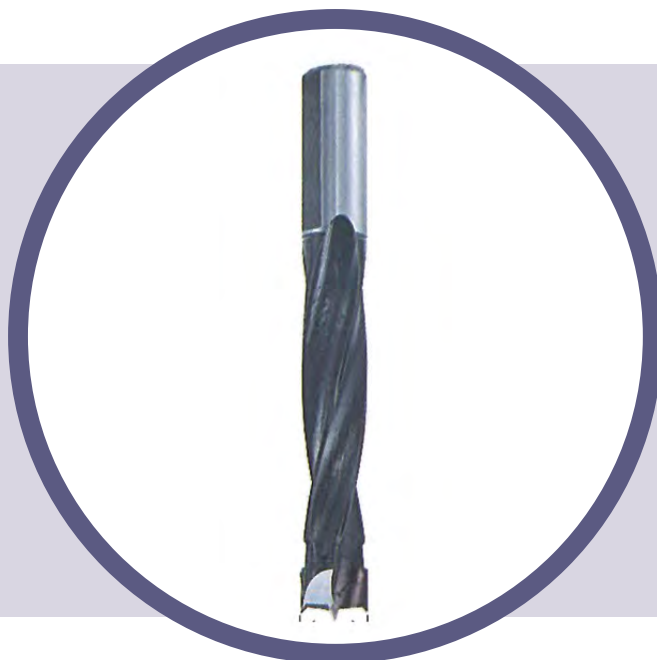
art. 7.13



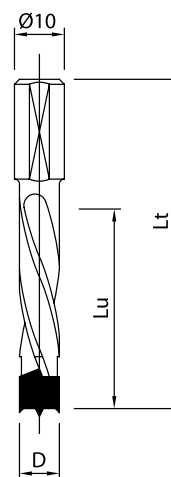
**PUNTA SPINATRICE componibile HM per
FORATRICE MULTIPLA A ROTAZIONE DX E
SX per l'ESECUZIONE DEL FORO CIECO CON
ATTACCO CILINDRICO Ø 10**



**HM DOWEL DRILL FOR BLIND HOLES TO BE USED ON
MULTIBORING MACHINES RIGHT-HAND AND LEFT-HAND
ROTATION CYLINDRICAL SHANK Ø 10**



ARTICOLO ITEM	Ø	L.U	L.T.
7.13/4x26	4	26	57,5
7.13/4x30	4	43	70
7.13/5x30	5	30	57,5
7.13/5x43	5	43	70
7.13/6x30	6	30	57,5
7.13/6x43	6	43	70
7.13/7x30	7	30	57,5
7.13/7x43	7	43	70
7.13/8x30	8	30	57,5
7.13/8x43	8	43	70
7.13/10x30	10	30	57,5
7.13/10x43	10	43	70
7.13/12x30	12	30	57,5
7.13/12x43	12	43	70
7.13/14x30	14	30	57,5
7.13/14x43	14	43	70
7.13/15x30	15	30	57,5
7.13/15x43	15	43	70
7.13/16x30	16	30	57,5
7.13/16x43	16	43	70



art. 7.14



**PUNTA SPINATRICE componibile HM per
FORATRICE MULTIPLA A ROTAZIONE DX E SX
PER L'ESECUZIONE DEL FORO PASSANTE CON
ATTACCO CILINDRICO Ø 10 A 4 GOLE**

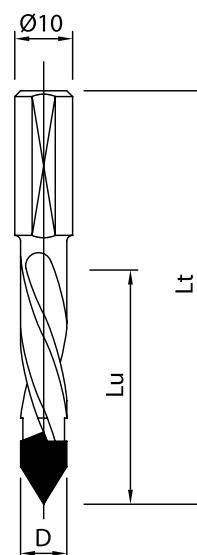


**HM DOWEL DRILL FOR THROUGH HOLES CYLINDRICAL
SHANK Ø 10 – 4 SPIRALS TO BE USED ON MULTI-BORING
MACHINES RIGHT AND LEFT-HAND ROTATION**



**Punte integrali / Solid carbide router bits
+
Punte foratrici / milling router bits**

ARTICOLO ITEM	Ø	L.U.	L.T.
7.14/5x30	5	30	57,5
7.14/8x30	8	30	57,5
7.14/5x40	5	40	70
7.14/6x40	6	40	70
7.14/7x40	7	40	70
7.14/8x40	8	40	70
7.14/10x40	10	40	70



art. 7.14A



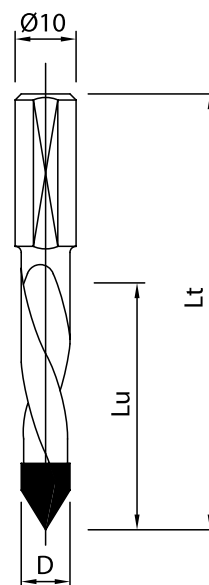
**PUNTA SPINATRICE componibile HM per
foratrice multipla a rotazione DX e SX
per l'esecuzione del foro passante con
attacco cilindrico Ø 10
a 2 gole**



**HM DOWEL DRILL FOR THROUGH HOLES CYLINDRICAL
SHANK Ø 10, 2 SPIRALS TO BE USED ON MULTI-BORING
MACHINES RIGHT AND LEFT-HAND ROTATION**



ARTICOLO ITEM	Ø	L.U.	L.T.
7.14A/4x30	4	30	70
7.14A/5x27	5	27	57,5
7.14A/5x35	5	35	70
7.14A/6x27	6	27	57,5
7.14A/6x35	6	35	70
7.14A/7x35	7	35	70
7.14A/8x27	8	27	57,5
7.14A/8x35	8	35	70
7.14A/9x35	9	35	70
7.14A/10x27	10	27	57,5
7.14A/10x35	10	35	70
7.14A/12x35	12	35	70



art. 7.15



**SVASATORE HM PER PUNTE componibili
A ROTAZIONE DX E SX PER L'ESECUZIONE DI
SVASATURA**



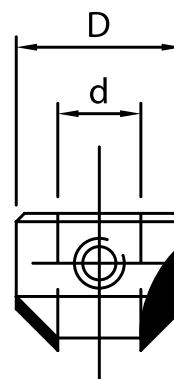
**HM COUNTERSINK FOR DOWEL DRILLS
RIGHT AND LEFT ROTATION**



**Punte integrali / Solid carbide router bits
+
Punte foratrici / milling router bits**

ARTICOLO ITEM	F	L.U.	Ø
7.15/4	4	16	16
7.15/5	5		
7.15/6	6		
7.15/7	7	16	18
7.15/8	8		
7.15/9	9		
7.15/10	10	16	20
7.15/12	12		

DA INSTALLARE SULL'ELICA DELLA PUNTA



art. 7.15A



**SVASATORE HM PER PUNTE componibili
A ROTAZIONE DX E SX PER L'ESECUZIONE DI
SVASATURA**

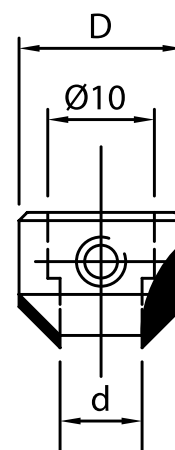


**HM COUNTERSINK FOR DOWEL DRILLS
RIGHT AND LEFT-HAND ROTATION**



ARTICOLO ITEM	Ø	Ø TAGLIO Ø CUT
7.15A/5-10	Da 5 - a 10	20
7.15A/11-12	Da 11 - a 12	22

DA INSTALLARE SULL'ATTACCO DELLA PUNTA



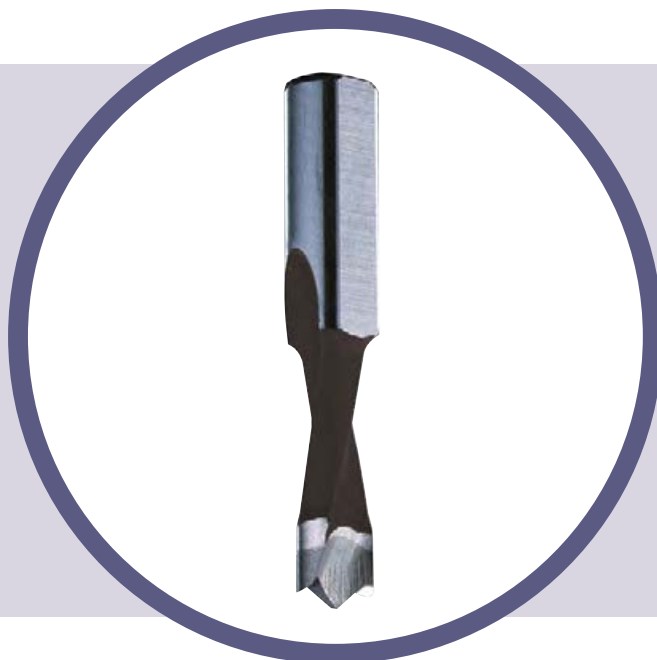
art. 7.16



**PUNTA PER FORATRICI HM SPECIALE
PER ESEGUIRE OTTIMA FINITURA NEI FORI**



**SPECIAL HM DRILLING BIT FOR GOOD FINISHING
OF THE HOLES**



**Punte integrali / Solid carbide router bits
+
Punte foratrici / milling router bits**

ARTICOLO ITEM	Ø	L.U.	L.T.	ATTACCO SHANK
7.16/03x18x57,5	3	18	57,5	10x25
7.16/03x18x70	3	18	70	10x35
7.16/04x20x57,5	4	20	57,5	10x25
7.16/04x27x70	4	27	70	10x30
7.16/05x27x57,5	5	27	57,5	10x27
7.16/05x35x70	5	35	70	10x30
7.16/06x27x57,5	6	27	57,5	10x27
7.16/06x35x70	6	35	70	10x30
7.16/07x27x57,5	7	27	57,5	10x27
7.16/07x35x70	7	35	70	10x30
7.16/08x27x57,5	8	27	57,5	10x27
7.16/08x35x70	8	35	70	10x30
7.16/09x27x57,5	9	27	57,5	10x27
7.16/09x35x70	9	35	70	10x30
7.16/10x27x57,5	10	27	57,5	10x27
7.16/10x35x70	10	35	70	10x30

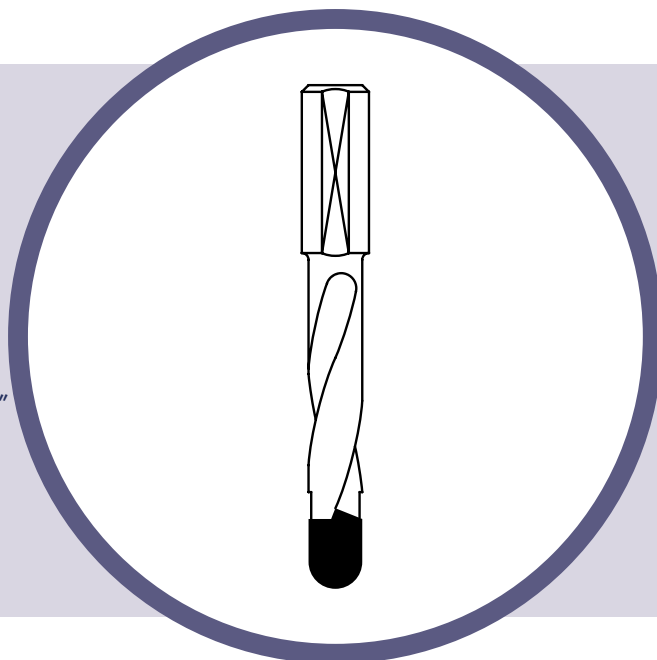
art. 7.16A



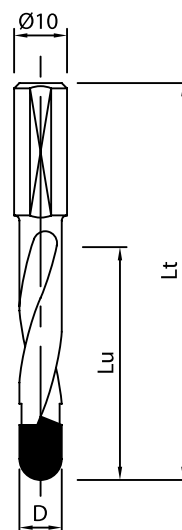
**PUNTA SPINATRICE componibile in WIDIA
"DUROX" con AFFILATURA SPECIALE-
PASSANTE ROTAZIONE DX-SX ATT. 10X24**



**SPECIAL DOWEL DRILL FOR TROUGH HOLES IN HM "DUROX"
RIGHT AND LEFT-HAND ROTATION SHANK 10X24**



ARTICOLO ITEM	Ø	L.U.	L.T.
7.16A/5x27x57,5	5	27 / 33	57,5
7.16A/6x27x57,5	6	27 / 33	57,5
7.16A/8x27x57,5	8	27 / 33	57,5
7.16A/10x27x57,5	10	27 / 33	57,5
7.16A/12x27x57,5	12	27 / 33	57,5
7.16A/5x35x70	5	35	70
7.16A/6x35x70	6	35	70
7.16A/8x35x70	8	35	70
7.16A/10x35x70	10	35	70
7.16A/12x35x70	12	35	70



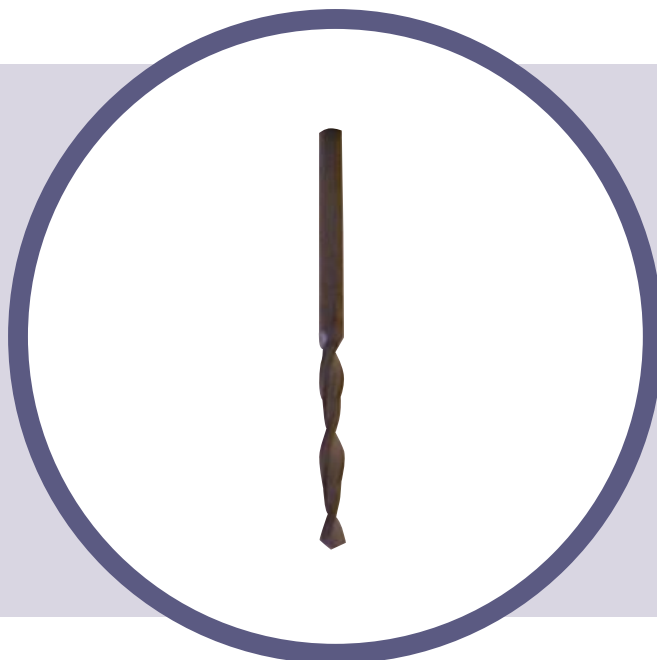
art. 7.17



**PUNTA DI RICAMBIO HM INTEGRALE
A ROTAZIONE DX E SX DA USARE SU
MANDRINO ART. 7.18 E SVASATORE ART.
7.19**

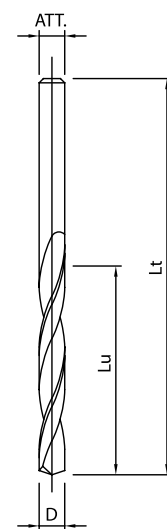


**SOLID CARBIDE DRILLING BIT SPARE PART TO BE USED WITH
ART. 7.18 AND ART. 7.19 RIGHT AND LEFT-HAND ROTATION**



**Punte integrali / Solid carbide router bits
+
Punte foratrici / milling router bits**

ARTICOLO ITEM	Ø	L.U.	L.T.
7.17/2	2	25	49
7.17/2,5	2,5	27	57
7.17/3	3	27	55
7.17/3,2	3,2	27	52
7.17/3,5	3,5	27	52
7.17/4	4	27	55
7.17/4,5	4,5	28	58
7.17/5	5	28	62



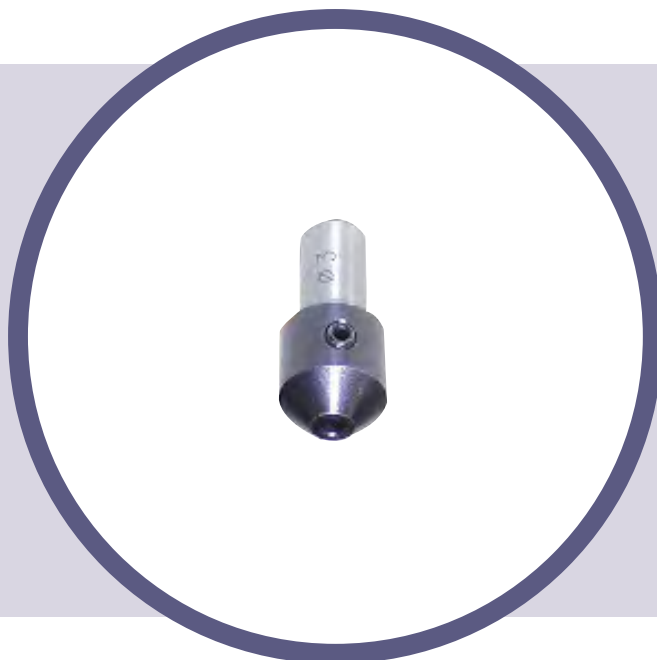
art. 7.18



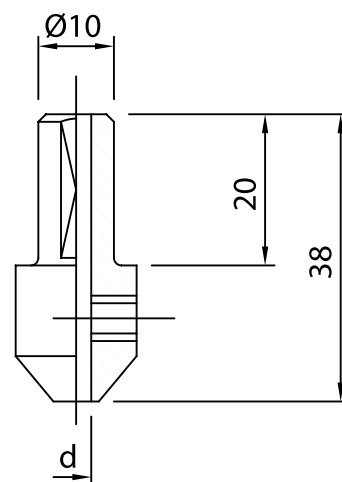
**MANDRINO PORTA PUNTE CON ATTACCO
Ø 10x20 DA USARE CON PUNTE ART. 7.17**



**ADAPTOR WITH SHANK Ø 10x20
TO BE USED WITH DRILLING BIT ART. 7.17**



ARTICOLO ITEM	F Ø	L.T.
7.18/2	2	38
7.18/2,5	2,5	
7.18/3	3	
7.18/3,2	3,2	
7.18/3,5	3,5	
7.18/4	4	
7.18/4,5	4,5	
7.18/5	5	



art. 7.18A



BOCCOLE ATTACCO RAPIDO Ø10X23 mm

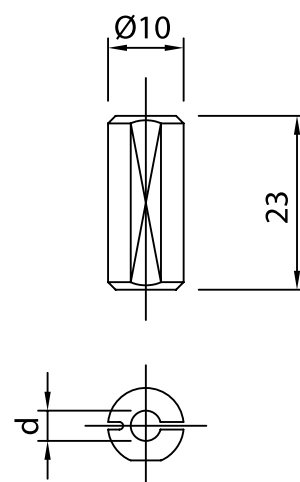


SPAREPART RING Ø 10X23 mm



**Punte integrali / Solid carbide router bits
+
Punte foratrici / milling router bits**

ARTICOLO ITEM	Ø	L.T.
7.18A/02	2	23
7.18A/2,5	2,5	
7.18A/03	3	
7.18A/3,2	3,2	
7.18A/3,5	3,5	
7.18A/04	4	
7.18A/4,5	4,5	
7.18A/05	5	



art. 7.19



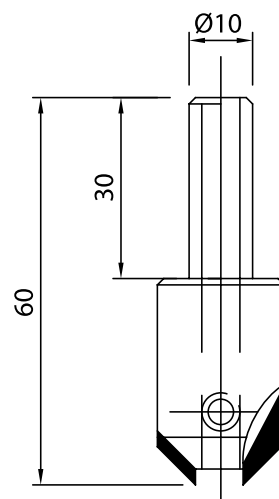
**SVASATORE PORTA-PUNTE CON ATTACCO
Ø10 DA USARE CON PUNTE ART. 7.17**



**COUNTERSINK WITH SHANK Ø 10
TO BE USED WITH DRILLING BIT ART. 7.17**



ARTICOLO ITEM	F	L.T.
7.19/3	3	60
7.19/4	4	
7.19/5	5	
7.19/6	6	



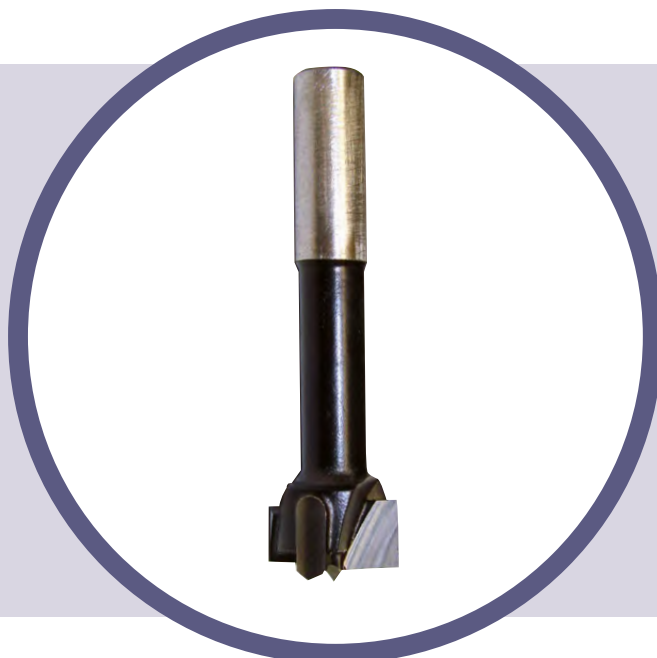
art. 7.21



**PUNTA LEVANODO HM Z=2+2 A ROTAZIONE
DX E SX PER L'ESECUZIONE DEL FORO PER
L'INSERIMENTO DELLA CERNIERA CON
ATTACCO CILINDRICO Ø 10**

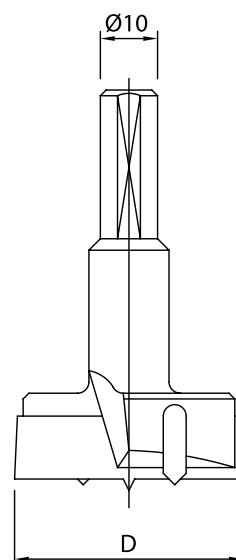


**HM HINGE BORING BIT Z=2+2 CYLINDRICAL SHANK Ø 10
RIGHT AND LEFT ROTATION**



**Punte integrali / Solid carbide router bits
+
Punte foratrici / milling router bits**

ARTICOLO ITEM	Ø	L.T.
7.21/15x57,5	15	57,5
7.21/15x70	15	70
7.21/18x57,5	18	57,5
7.21/18x70	18	70
7.21/20x57,5	20	57,5
7.21/20x70	20	70
7.21/25x57,5	25	57,5
7.21/25x70	25	70
7.21/26x57,5	26	57,5
7.21/26x70	26	70
7.21/30x57,5	30	57,5
7.21/30x70	30	70
7.21/35x57,5	35	57,5
7.21/35x70	35	70
7.21/40x57,5	40	57,5



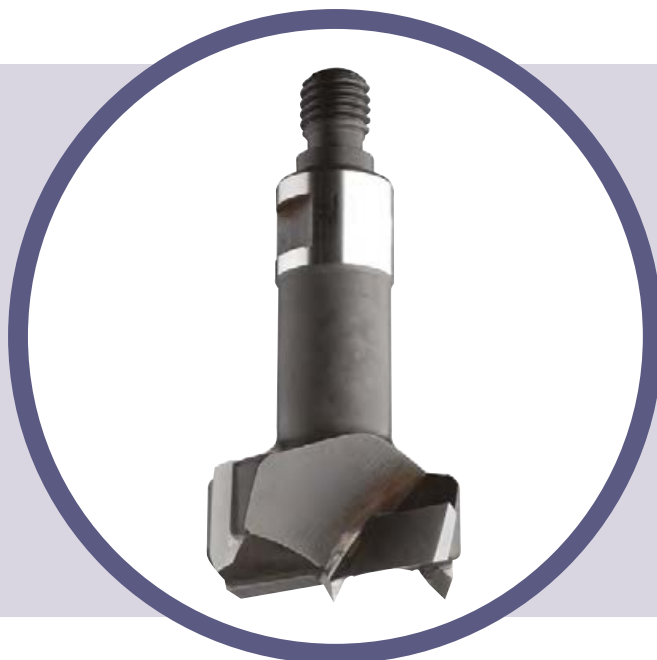
art. 7.22



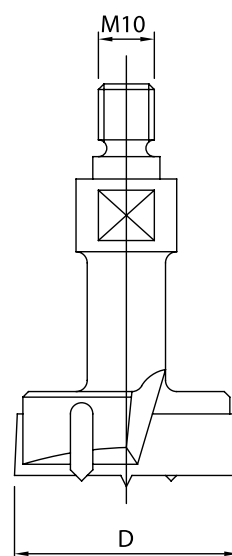
**PUNTA LEVANODO HM Z=2+2 A ROTAZIONE
DX E SX PER L'ESECUZIONE DEL FORO PER
L'INSERIMENTO DELLA CERNIERA CON
ATTACCO MORBIDELLI O VITAP**



**HM HINGE BORING BIT Z=2+2 MORBIDELLI OR VITAP
SHANK RIGHT AND LEFT-HAND ROTATION**



ARTICOLO ITEM	Ø	L.T.
7.22/20	20	55/65
7.22/25	25	55/65
7.22/26	26	55/65
7.22/30	30	55/65
7.22/35	35	55/65
7.22/40	40	55/65



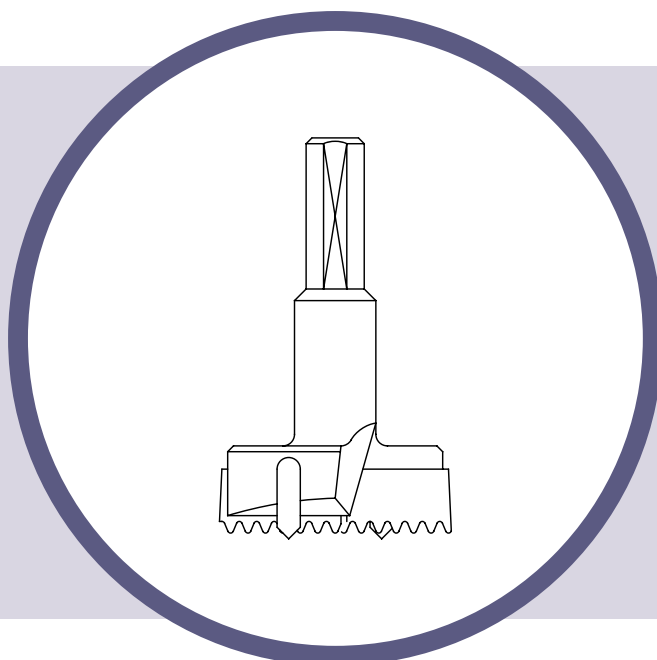
art. 7.22A



**PUNTA LEVANODO HM Z=2+2 A
ROTAZIONE DX E SX PER L'ESECUZIONE
DI FORI DI PRECISIONE CON
ROMPITRUCIOLO MULTIPLO**

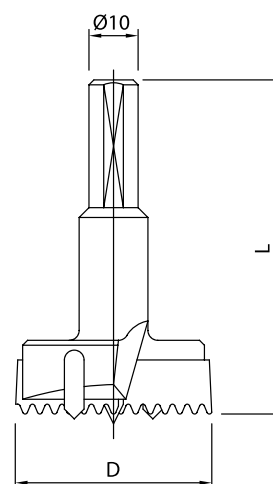


**HM HINGE BORING BIT Z=2+2 WITH CHIPBREAKER FOR
HIGH BORING QUALITY RIGHT-LEFT HAND ROTATION**



**Punte integrali / Solid carbide router bits
+
Punte foratrici / milling router bits**

ARTICOLO ITEM	Ø	L
7.22A/15x70	15	70
7.22A/16x70	16	
7.22A/18x70	18	
7.22A/20x70	20	
7.22A/22x70	22	70
7.22A/24x70	24	
7.22A/25x70	25	
7.22A/26x70	26	
7.22A/28x70	28	70
7.22A/30x70	30	
7.22A/32x70	32	70
7.22A/35x70	35	70
7.22A/38x70	38	70
7.22A/40x70	40	70
7.22A/15x77	15	77
7.22A/16x77	16	
7.22A/18x77	18	
7.22A/20x77	20	
7.22A/22x77	22	77
7.22A/24x77	24	
7.22A/25x77	25	
7.22A/26x77	26	
7.22A/28x77	28	77
7.22A/30x77	30	
7.22A/32x77	32	
7.22A/35x77	35	77
7.22A/38x77	38	77
7.22A/40x77	40	77



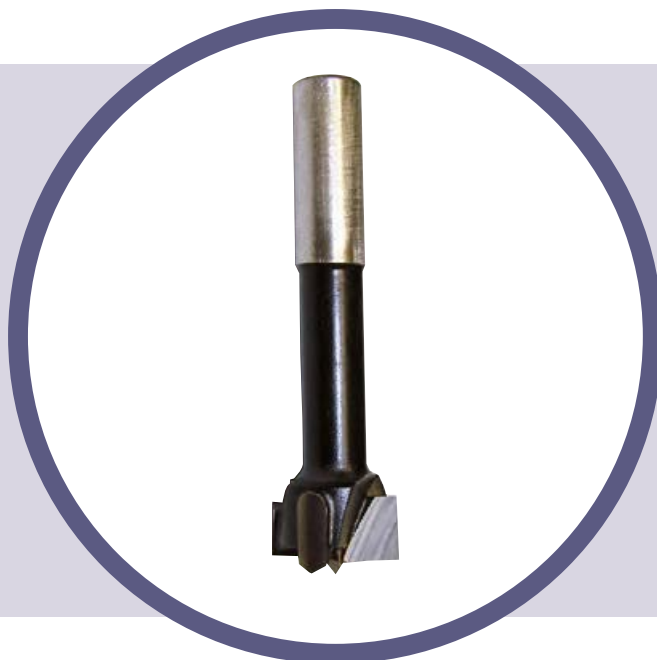
art. 7.23



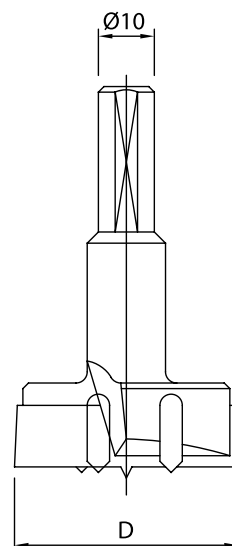
**PUNTA LEVANODO HM Z=3+3 PER
L'ESECUZIONE DEL FORO PER L'INSERIMENTO
DELLA CERNIERA CON ATTACCO CILINDRICO
Ø 10**



HM HINGE BORING BIT Z=3+3 CYLINDRICAL SHANK Ø 10



ARTICOLO ITEM	Ø	L.T.
7.23/25x57,5	25	57,5
7.23/26x57,5	26	57,5
7.23/30x57,5	30	57,5
7.23/35x57,5	35	57,5
7.23/38x57,5	38	57,5
7.23/40x57,5	40	57,5



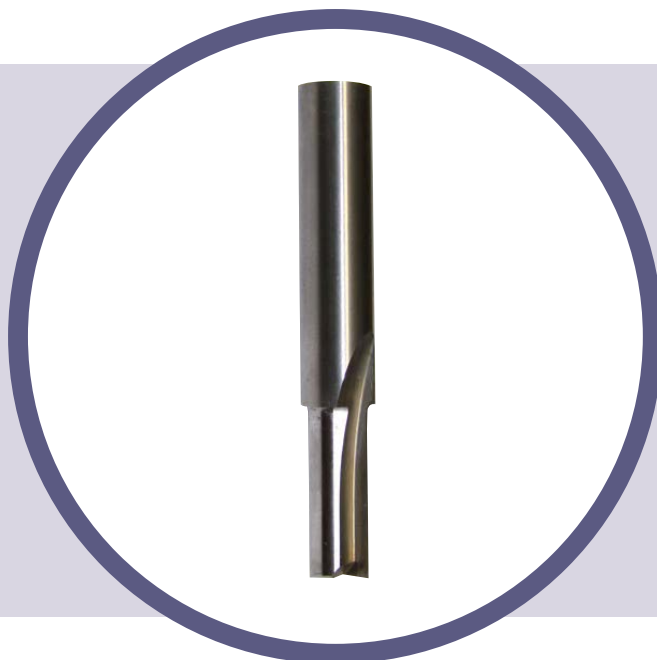
art. 7.24



PUNTA HM A Z=2 PER L'ESECUZIONE DI FORATURA E CONTORNATURA DA MONTARE SU MANDRINO PER PANTOGRAFO CON ATTACCO Ø 9,5

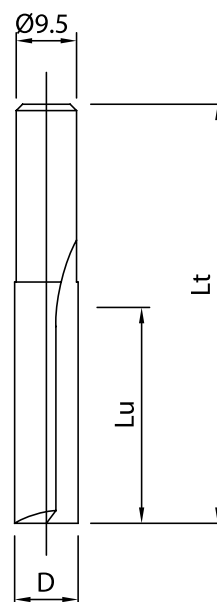


CNC HM BIT FOR ROUTING AND DRILLING Z=2 TO BE USED ON ADAPTOR WITH SHANK Ø 9,5



**Punte integrali / Solid carbide router bits
+
Punte foratrici / milling router bits**

ARTICOLO ITEM	Ø	L.U.	L.T.
7.24/3x10x37	3	10	37
7.24/4x10x37	4	10	37
7.24/5x12x39	5	12	39
7.24/6x14x41	6	14	41
7.24/7x16x43	7	16	43
7.24/8x18x48	8	18	48
7.24/8x30x60	8	30	60
7.24/9x20x52	9	20	52
7.24/10x22x52	10	22	52
7.24/10x35x65	10	35	65
7.24/11x24x52	11	24	52
7.24/12x26x52	12	26	52



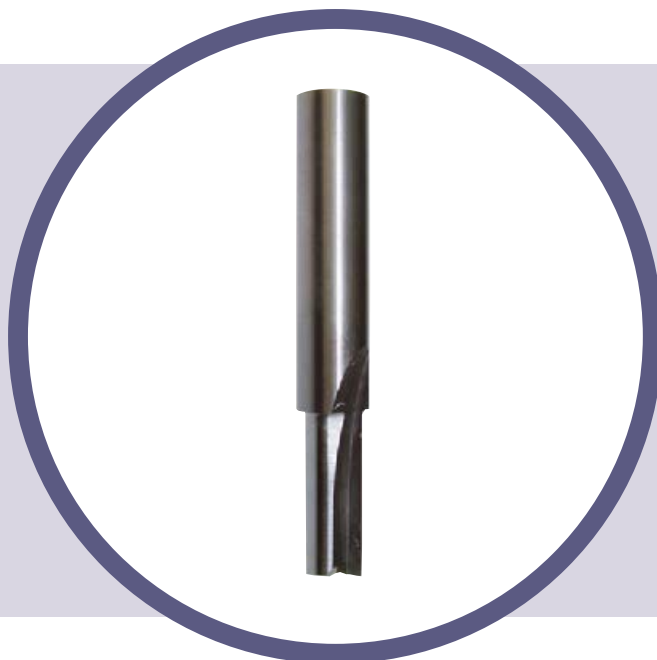
art. 7.25



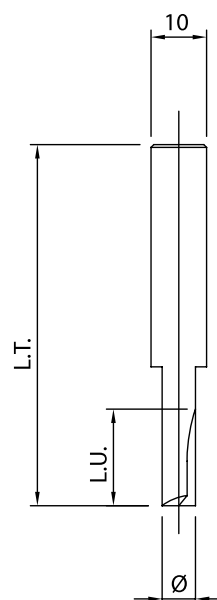
**PUNTA HM INTEGRALE DIRITTA PER FORATURA E
CONTORNATURA CON ATTACCO Ø 10 A Z=2**



**HM BIT FOR ROUTING AND BORING Z=2 STRAIGHT CUT
SHANK Ø 10**



ARTICOLO ITEM	Ø	L.U.	L.T.
7.25/4x10x65	4	10	65
7.25/5x12x65	5	12	65
7.25/6x14x65	6	14	65
7.25/7x17x65	7	17	65
7.25/8x20x65	8	20	65
7.25/9x23x65	9	23	65
7.25/10x25x70	10	25	70



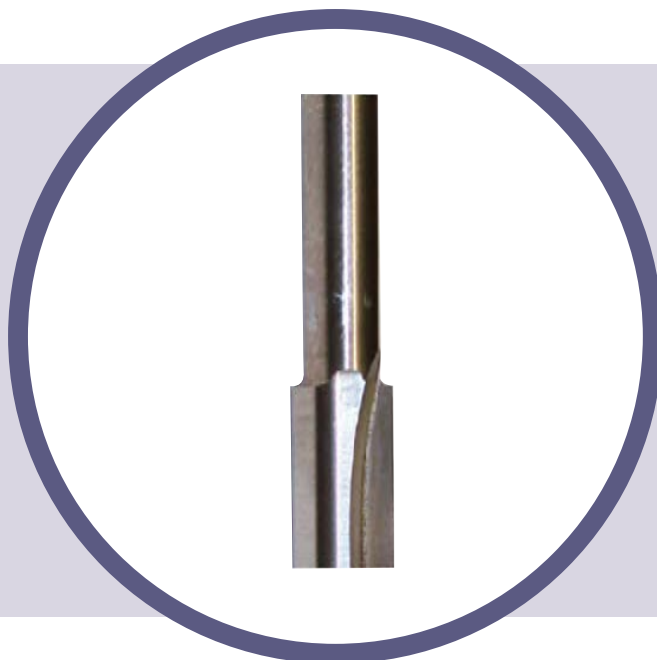
art. 7.26



FRESA A TAGLIENTI DIRITTI PER CANALI SERIE CORTA

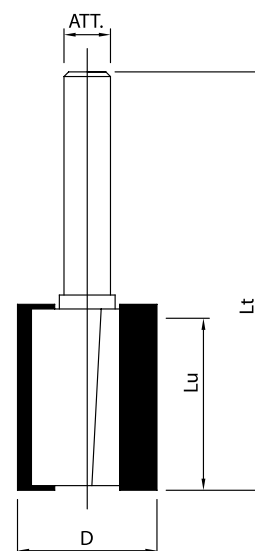


GROOVING SHANK CUTTER WITH STRAIGHT CUT SHORT TYPE



**Punte integrali / Solid carbide router bits
+
Punte foratrici / milling router bits**

ARTICOLO ITEM	Ø	L.U.	L.T.	ATTACCO SHANK
7.26/02X04X38	2	4	38	6
7.26/03X08X45	3	8	45	
7.26/04X10X45	4	10	45	6
7.26/05X12X50,8	5	12	50,8	6
7.26/06X16X50,8	6	16	50,8	
7.26/07X18X48	7	18	48	8
7.26/7,6X20X51	7,6	20	51	8
7.26/08X20X48	8	20	48	8
7.26/09X20X48	9	20	48	
7.26/11X20X48	11	20	48	
7.26/12X20X50	12	20	50	



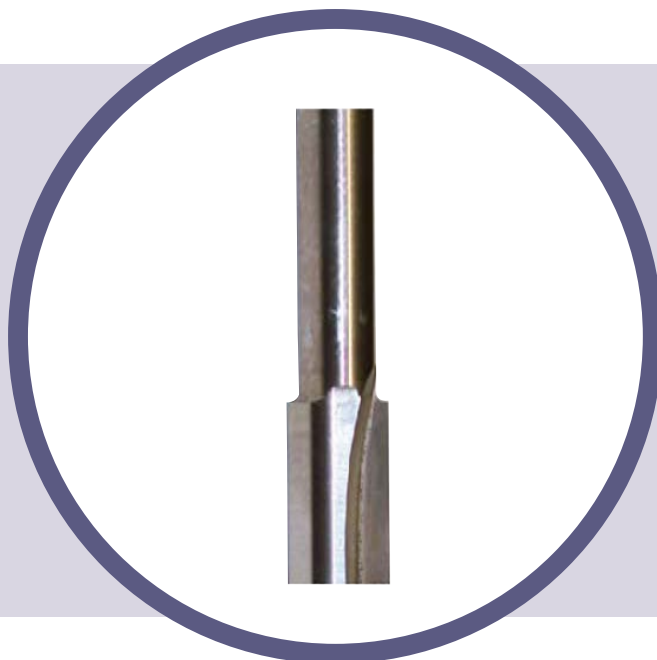
art. 7.27



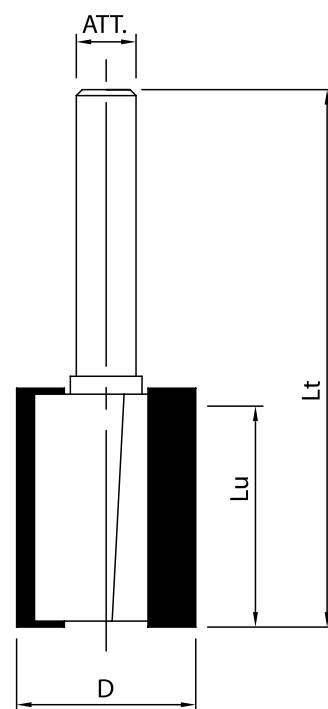
**FRESA A TAGLIENTI DIRITTI PER CANALI
SERIE LUNGA**



**GROOVING SHANK CUTTER WITH STRAIGHT CUT
LONG TYPE**



ARTICOLO ITEM	Ø	L.U.	L.T.	ATTACCO SHANK
7.27/03X11X60	3	11	60	6
7.27/04X12X60	4	12		
7.27/06X25,4X60	6	25,4		
7.27/08X31,7X60	8	31,7	60	8
7.27/10X31,7X60	10	31,7		
7.27/12X31,7X60	12	31,7		



art. 7.30



**PUNTA HM PER ELETTROFRESATRICE CON
ATTACCO ELU**

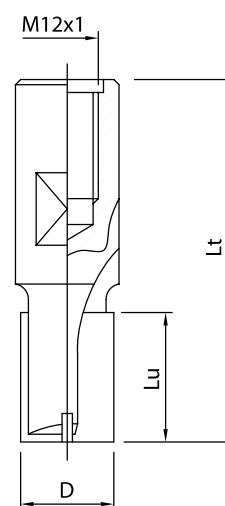


HM SHANK CUTTER FOR PORTABLE ROUTERS ELU SHANK



**Punte integrali / Solid carbide router bits
+
Punte foratrici / milling router bits**

ARTICOLO ITEM	Ø	L.T.
7.30/60	16÷22	60
7.30/67	16÷22	67
7.30/77	16÷20	77
7.30/92	16÷20	92



art. 7.31



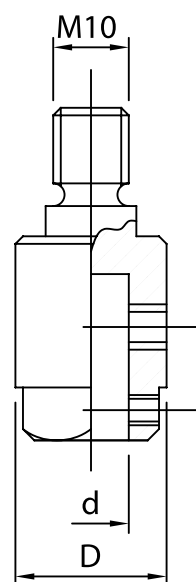
**MANDRINO PER PUNTE componibili
A ROTAZIONE DX E SX CON ATTACCO
MORBIDELLI**



**ADAPTOR FOR DOWELL DRILLS SHANK MORBIDELLI
RIGHT-LEFT HAND ROTATION**



ARTICOLO ITEM	Ø
7.31	10X19,5



art. 7.32



**MANDRINO PER PUNTE componibili a
ROTAZIONE DX E SX CON ATTACCO VITAP**

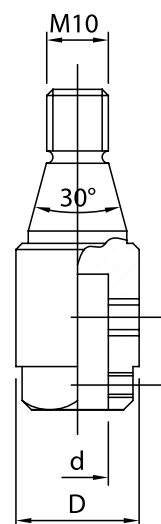


**ADAPTOR FOR DOWELL DRILLS SHANK VITAP
RIGHT-LEFT HAND ROTATION**



**Punte integrali / Solid carbide router bits
+
Punte foratrici / milling router bits**

ARTICOLO ITEM	Ø
7.32	10X19,5



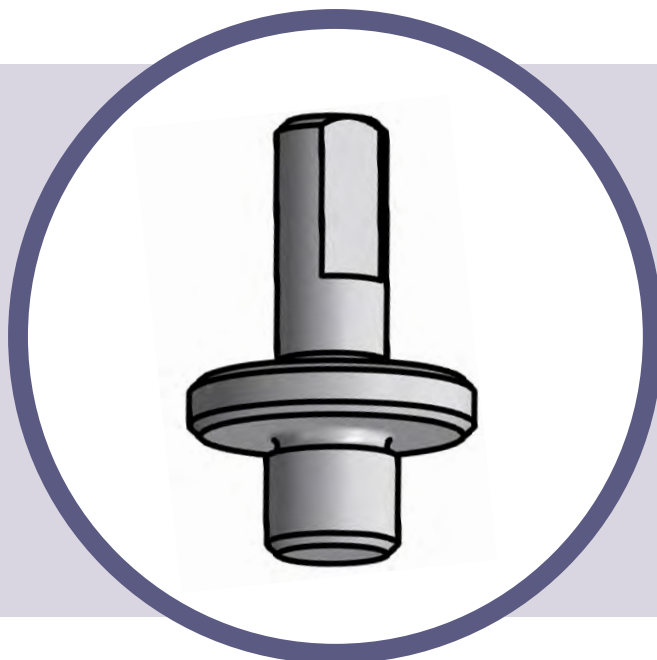
art. 7.33



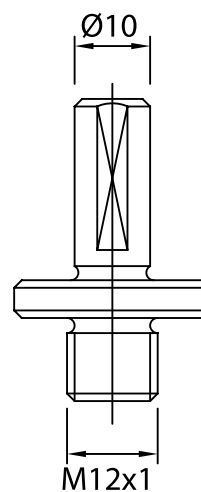
**MANDRINO PER PUNTE componibili a
ROTAZIONE DX E SX CON ATTACCO Ø 10**



**ADAPTOR FOR DOWELL DRILLS SHANK Ø 10
RIGHT-LEFT HAND ROTATION**



ARTICOLO ITEM	Ø
7.33/26	10x26x40
7.33/40	10x40x54



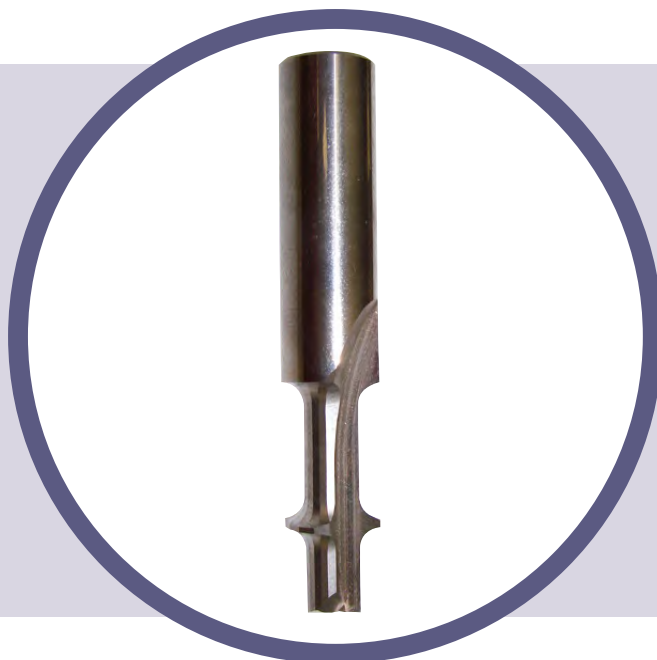
art. 7.41



PUNTA HM INTEGRALE SAGOMATA

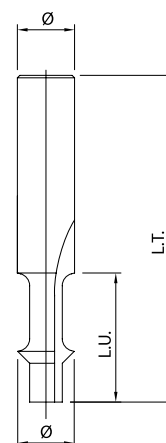


FULL HM PROFILED ROUTER BIT



**Punte integrali / Solid carbide router bits
+
Punte foratrici / milling router bits**

ARTICOLO ITEM	MISURE MEASURES
7.41/08X20X70	8x20x70
7.41/08X40X90	8x40x90
7.41/10X10X60	10x10x60
7.41/10X20X70	10x20x70
7.41/10X20X80	10x20x80
7.41/10X40X90	10x40x90
7.41/12X10X60	12x10x60
7.41/12X20X70	12x20x70
7.41/12X40X90	12x40x90
7.41/14X20X70	14x20x70
7.41/14X40X80	14x40x80
7.41/14X40X90	14x40x90
7.41/16X20X70	16x20x70
7.41/16X30X90	16x30x90
7.41/16X40X90	16x40x90
7.41/18X20X70	18x20x70
7.41/18X40X90	18x40x90
7.41/20X20X70	20x20x70
7.41/20X40X90	20x40x90



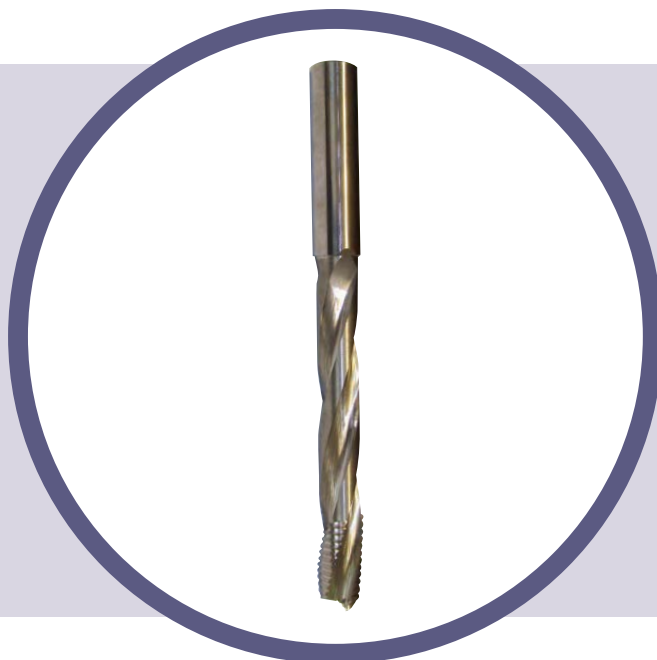
art. 7.45



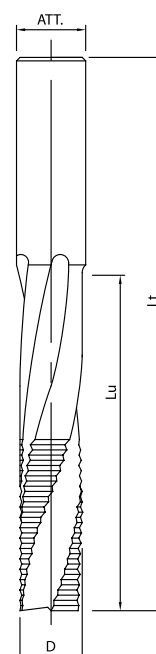
**PUNTA HM INTEGRALE ELICOIDALE PER
FORATURA CAVA SERRATURA PORTE A Z=3**



FULL HM SPIRAL ROUTER BIT FOR DOORS LOCKS Z=3



ARTICOLO ITEM	Ø	L. TAGLIO L. CUT	L.T.
7.45/14x90x140 RT	14	90	140
7.45/14x90x140 LI	14	90	140
7.45/15x100x150 RT	15	100	150
7.45/16x100x150 LI	16	100	150
7.45/16x100x150 RT-LI	16	100	150
7.45/16x95x150 RT	16	95	150



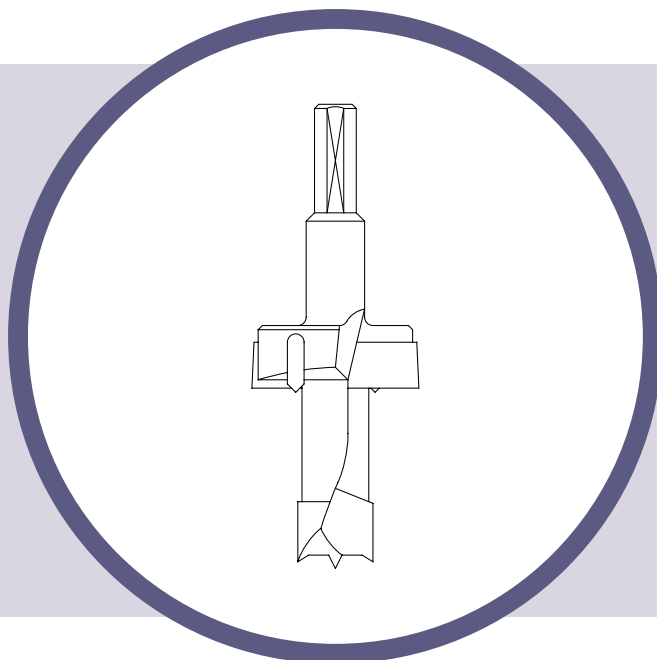
art. 7.46



PUNTE IN HM A DOPPIO DIAMETRO A FORARE

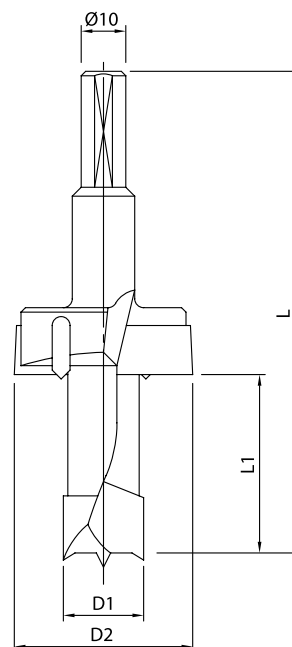


HM BORING BIT WITH DOUBLE DIAMETER



**Punte integrali / Solid carbide router bits
+
Punte foratrici / milling router bits**

ARTICOLO ITEM	D1	D2	L.1	L.T.
7.46/01	A richiesta	A richiesta	A richiesta	A richiesta



Fam. 9

Lame / Blades



INDICE / SUMMARY



art. 9.01 pag. 06

LAMA CIRCOLARE PER TAGLI LONGITUDINALI E TRASVERSALI CON LIMITATORE, PER LEGNI TENERI, ESOTICI E UMIDI

CIRCULAR SAW BLADE WITH ANTI-ICKBACK FOR LENGTHWISE AND CROSSWISE CUTTING TO BE USED ON SOFT WOOD, EXOTIC WOOD AND DAMP WOOD



art. 9.11 pag. 10

LAMA CIRCOLARE PER USO UNIVERSALE SU LEGNI TENERI E DURI PER TAGLIO GROSSOLANO

UNIVERSAL CIRCULAR SAW BLADE FOR ROUGH CUTTING TO BE USED ON SOFT WOOD AND HARD WOOD



art. 9.02 pag. 07

LAMA CIRCOLARE PER MULTILAMA A SPESSORE SOTTILE CON RASANTI, ADATTA PER LEGNI TENERI E DURI

CIRCULAR SAW BLADE WITH SPURS FOR THIN CUTTING WIDTH TO USE ON MULTIPLE RIPS AW FOR SOFT AND HARD WOOD



art. 9.12 pag. 11

LAMA CIRCOLARE PER USO UNIVERSALE SU LEGNI TENERI E DURI

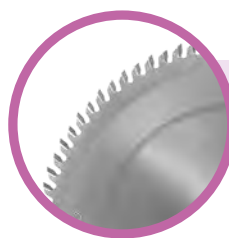
UNIVERSAL CIRCULAR SAW BLADE FOR SOFT WOOD AND HARD WOOD



art. 9.03 pag. 08

LAMA CIRCOLARE PER MULTILAMA A SPESSORE ALTO CON RASANTI ADATTA PER LEGNI TENERI, DURI, CURVI E UMIDI

CIRCULAR SAW BLADE WITH SPURS FOR HIGH CUTTING WIDTH TO USE ON MULTIPLE RIPS AW FOR HARD WOOD, SOFT WOOD AND DAMP WOOD



art. 9.13 pag. 12

LAMA CIRCOLARE PER USO UNIVERSALE SU LEGNI TENERI E DURI CON BUONA FINITURA

UNIVERSAL CIRCULAR SAW BLADE FOR GOOD FINISHING CUT TO USE ON SOFT AND HARD WOOD



art. 9.04 pag. 09

LAMA CIRCOLARE PER MULTILAMA A GROSSO SPESSORE CON RASANTI ADATTA PER L'ASSORBIMENTO DI SPINTE LATERALI

CIRCULAR SAW BLADE WITH SPURS FOR HIGH CUTTING WIDTH TO BE USED ON MULTIPLE RIPS AW

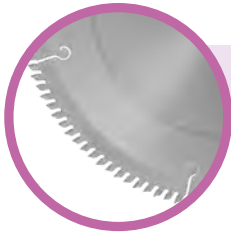


art. 9.14 pag. 13

LAMA CIRCOLARE PER USO UNIVERSALE SU LEGNI TENERI E DURI CON OTTIMA FINITURA

UNIVERSAL CIRCULAR SAW BLADE WITH VERY GOOD FINISHING CUT ON SOFT WOOD AND HARD WOOD

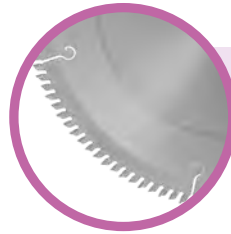
INDICE / SUMMARY



art. 9.15 pag. 14

LAMA CIRCOLARE PER TAGLIO PANNELLI IN GENERI RICOPERTI IN FORMICA O MELAMINA

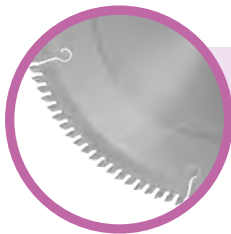
CIRCULAR SAW BLADE TO BE USED ON COATED PANELS WITH MELAMINE OR OTHERS



art. 9.24 pag. 18

LAMA CIRCOLARE A SPESSORE MOLTO SOTTILE PER LEGNI IN PREVALENZA TENERI CON OTTIMA FINITURA, PROFONDITA' MASSIMA mm 15

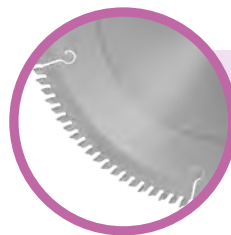
CIRCULAR SAW BLADE FOR VERY THIN CUTTING WIDTH VERY GOOD FINISHING CUT ON SOFT WOOD MAXIMUM DEEPNESS 15 mm



art. 9.21 pag. 15

LAMA CIRCOLARE A SPESSORE SOTTILE, PER LEGNI TENERI E DURI, PROFONDITA' MASSIMA mm 35

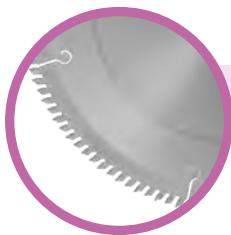
CIRCULAR SAW BLADE FOR THIN CUTTING WIDTH TO BE USED ON SOFT AND HARD WOOD MAXIMUM DEEPNESS 35 mm



art. 9.25 pag. 19

LAMA CIRCOLARE A SPESSORE SOTTILE PER TAGLIO CORNICI

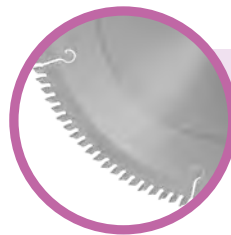
CIRCULAR SAW BLADE WITH THIN CUTTING WIDTH TO USE FOR FRAMES CUTTING



art. 9.22 pag. 16

LAMA CIRCOLARE A SPESSORE SOTTILE, PER LEGNI TENERI E DURI CON BUONA FINITURA, PROFONDITA' MASSIMA mm 30

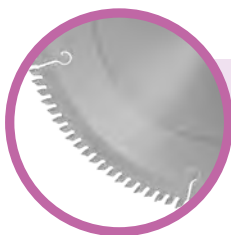
CIRCULAR SAW BLADE FOR THIN CUTTING WIDTH WITH GOOD FINISHING TO USE ON SOFT WOOD AND HARD WOOD MAXIMUM DEEPNESS 30 mm



art. 9.26 pag. 20

LAMA CIRCOLARE A SPESSORE EXTRA SOTTILE CON CORPO RINFORZATO PER INCISIONE SU PANNELLI RICOPERTI

CIRCULAR SAW BLADE WITH EXTRATHIN CUTTING WIDTH AND REINFORCED BODY, TO USE FOR THE SCORING ON COATED PANELS

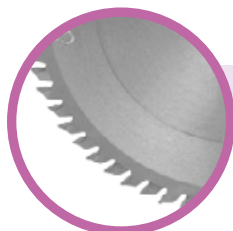


art. 9.23 pag. 17

LAMA CIRCOLARE A SPESSORE SOTTILE PER TAGLIO PANNELLI IN GENERE RICOPERTI IN FORMICA O MELAMINA CON OTTIMA FINITURA, PROFONDITA' MASSIMA mm 25

CIRCULAR SAW BLADE FOR THIN CUTTING WIDTH VERY GOOD FINISHING CUT ON COATED PANELS WITH MELAMINE OR OTHERS MAXIMUM DEEPNESS 25 mm

INDICE / SUMMARY



art. 9.31 pag. 21

LAMA CIRCOLARE PER SEZIONATRICI A GROSSO SPESSORE CON TAGLIENTI A SBOZZARE E FINIRE PER TAGLIO PANNELLI DI TRUCIOLARE NOBILITATI IN FORMICA O MELAMINA

CIRCULAR SAW BLADE FOR FINISHING CUT ON SIZING MACHINE HIGH CUTTING WIDTH ON CHIPBOARD PANELS COATED MELAMIN OR OTHERS



art. 9.51 pag. 27

LAMA CIRCOLARE PER RICAMBIO TRUCIOLATORI

CIRCULAR SAW BLADE FOR HOGGER



art. 9.41 pag. 23

LAMA CIRCOLARE INCISORE PER SQUADRATRICI E BORDATRICI
SCORING SAW BLADE FOR EDGEBANDING AND DOUBLE-END-TENONER MACHINES



art. 9.61 pag. 28

LAMA CIRCOLARE PER IL TAGLIO DI PROFILATI IN ALLUMINIO E PVC CON BUONA FINITURA

CIRCULAR SAW BLADE FOR ALUMINIUM AND PVC CUTTING GOOD FINISHING



art. 9.42 pag. 25

LAMA CIRCOLARE INCISORE PER SEZIONATRICI
SCORING SAW BLADE FOR SIZING MACHINE

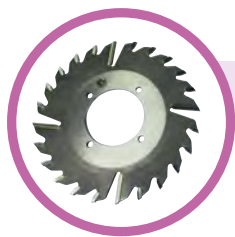


art. 9.71 pag. 29

INCISORI A SPESSORE REGOLABILE

ADJUSTABLE SCORING SAW BLADE

INDICE / SUMMARY



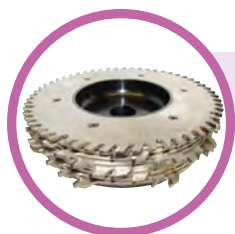
art. 9.72 pag. 30

**INCISORI PER MACCHINE
BORDATRICI**
SCORING SAW BLADE FOR
EDGEBANDING MACHINES



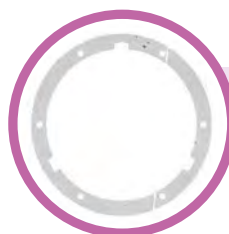
art. 9.82 pag. 33

LAMA TRUCIOLATRICE RIP HM
HM SAW BLADE FOR HOGGER



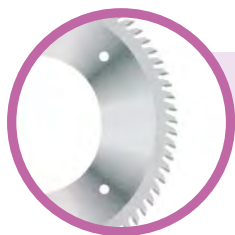
art. 9.80 pag. 31

**TRUCIOLATORI A "BASSA
RUMOROSITA"**
"LOW NOISE" HOGGER



art. 9.83 pag. 34

ANELLO FONO-ASSORBENTE
RING PHONO-ABSORBENT



art. 9.81 pag. 32

LAMA PRINCIPALE RIP HM
MAIN HM SAW BLADE

art. 9.01



LAMA CIRCOLARE PER TAGLI LONGITUDINALI E TRASVERSALI CON LIMITATORE, PER LEGNI TENERI, ESOTICI E UMIDI



CIRCULAR SAW BLADE WITH ANTHICKBACK FOR LENGTHWISE AND CROSSWISE CUTTING TO BE USED ON SOFT WOOD, EXOTIC WOOD AND DAMP WOOD



ARTICOLO ITEM	Ø	SP	FORO BORE	Z
9.01/200x16	200	3,2	30/35	16+LT
9.01/250x20	250	3,2	30/35/60/70/80	20+LT
9.01/250x24	250	3,2	30/35/60/70/80	24+LT
9.01/280x24	280	3,2	30/35/60/70/80	24+LT
9.01/300x24	300	3,2	30/35/60/70/80	24+LT
9.01/300x28	300	3,2	30/35/60/70/80	28+LT
9.01/350x28	350	3,5	30/35/70/80	28+LT
9.01/350x32	350	3,5	30/35	32+LT
9.01/400x34	400	4	30/35	34+LT
9.01/450x36	450	4,5	35/40	36+LT
9.01/500x40	500	4,5	35/40	40+LT
9.01/550x48	550	5	30	48+LT

art. 9.02



LAMA CIRCOLARE PER MULTILAMA A SPESSORE SOTTILE CON RASANTI, ADATTA PER LEGNI TENERI E DURI



CIRCULAR SAW BLADE WITH SPURS FOR THIN CUTTING WIDTH TO USE ON MULTIPLE RIPS AW FOR SOFT AND HARD WOOD



Lame / Blades

ARTICOLO ITEM	Ø	SP	FORO BORE	Z
9.02/180x18+2	180	2,2	35/40	18+2
9.02/200x20+2	200	2,2	35/40	20+2
9.02/225x20+2	225	2,5	60/70/80	20+2
9.02/250x24+2	250	2,2	60/70/80	24+2
9.02/250x20+2	250	2,5	60/70/80	20+2
9.02/250x20+4	250	2,5	60/70/80	20+4
9.02/250x30+2	250	2	40/70	30+2
9.02/280x24+4	280	2,5	60/70/80	24+4
9.02/300x24+4	300	2,5	60/70/80	24+4
9.02/300x24+2	300	2,8	60/70/80	24+2
9.02/350x28+6	350	3	60/70/80	28+6

art. 9.03



LAMA CIRCOLARE PER MULTILAMA A SPESSORE ALTO CON RASANTI ADATTA PER LEGNI TENERI, DURI, CURVI E UMIDI



CIRCULAR SAW BLADE WITH SPURS FOR HIGH CUTTING WIDTH TO USE ON MULTIPLE RIPSAW FOR HARD WOOD, SOFT WOOD AND DAMP WOOD



ARTICOLO ITEM	Ø	SP	FORO BORE	Z
9.03/180x18+2	180	3,2	35/40	18+2
9.03/200x20+2	200	3,2	35/40	20+2
9.03/225x20+2	225	3,2	35/60/70	20+2
9.03/250x20+2	250	3,2	35/60/70	20+2
9.03/250x20+4	250	3,2	35/60/70/80	20+4
9.03/280x24+4	280	3,2	35/60/70/80	24+4
9.03/300x18+2	300	3,2	35/60/70/80	18+2
9.03/300x18+4	300	3,2	50/60/70/80	18+4
9.03/300x20+4	300	3,2	50/60/70/80	20+4
9.03/300x24+2	300	3,2	50/60/70/80	24+2
9.03/300x24+4	300	3,2	35/50/60/70/80	24+4
9.03/320x24+4	320	3,5	35/60/70/80	24+4
9.03/350x24+4	350	3,5	60/70/80	24+4
9.03/350x24+6	350	3,5	60/70/80	24+6
9.03/350x28+4	350	3,5	35/60/70/80	28+4
9.03/350x28+6	350	3,5	70/80/100	28+6
9.03/380x28+6	380	4	70/80/100	28+6
9.03/400x34+6	400	4	40/70/80/100	34+6
9.03/450x36+6	450	4,5	70/80	36+6

art. 9.04



**LAMA CIRCOLARE PER MULTILAMA A GROSSO
SPESSORE CON RASANTI ADATTA PER
L'ASSORBIMENTO DI SPINTE LATERALI**



**CIRCULAR SAW BLADE WITH SPURS FOR HIGH CUTTING
WIDTH TO BE USED ON MULTIPLE RIPSAW**



Lame / Blades

ARTICOLO ITEM	Ø	SP	FORO BORE	Z
9.04/250x20+2	250	4,2	35/60/70/80	20+2
9.04/250x20+4	250	4,2	35/60/70/80	20+4
9.04/280x24+4	280	4,2	35/60/70/80	24+4
9.04/300x24+2	300	4,2	60/70/80	24+2
9.04/300x24+4	300	4,2	35/60/70/80	24+4
9.04/350x24+4	350	4,2	60/70/80	24+4
9.04/350x24+6	350	4,2	60/70/80	24+6
9.04/350x28+4	350	4,2	35/60/70/80	28+4
9.04/350x28+6	350	4,2	35/60/70/80	28+6

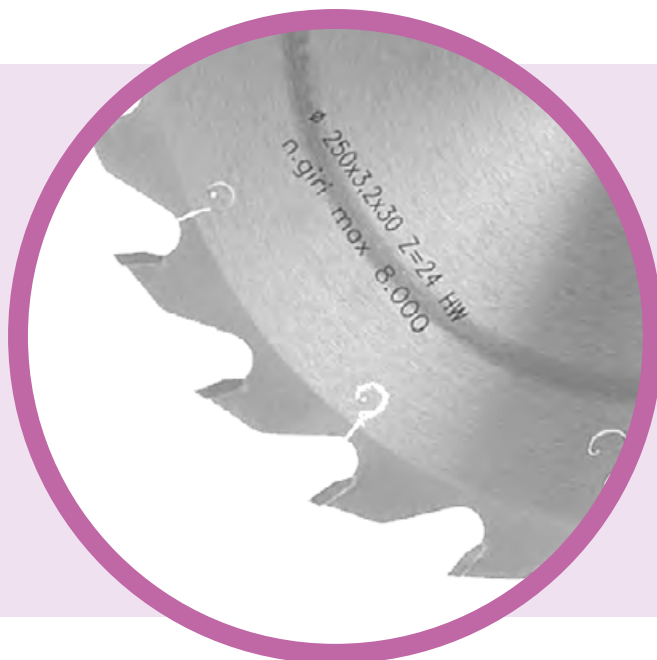
art. 9.11



**LAMA CIRCOLARE PER USO UNIVERSALE
SU LEGNI TENERI E DURI PER TAGLIO
GROSSOLANO**



**UNIVERSAL CIRCULAR SAW BLADE FOR ROUGH
CUTTING TO BE USED ON SOFT WOOD AND HARD
WOOD**



ARTICOLO ITEM	Ø	SP	FORO BORE	Z
9.11/150x18	150	3,2	20/30	18
9.11/160x24	160	3,2	20/30	24
9.11/180x24	180	3,2	20/30	24
9.11/200x24	200	3,2	30/35	24
9.11/250x24	250	3,2	30/35	24
9.11/250x28	250	3,2	30/35	28
9.11/300x24	300	3,2	30/35	24
9.11/300x28	300	3,2	30/35	28
9.11/300x36	300	3,2	30/35	36
9.11/350x28	350	3,5	30/35	28
9.11/350x36	350	3,5	30/35	36
9.11/350x44	350	3,5	30/35	44
9.11/400x34	400	4	30/35	34
9.11/400x48	400	4	30/35	48
9.11/450x36	450	4,2	30/35	36
9.11/450x54	450	4,2	30/35	54
9.11/500x40	500	4,5	30/35	40
9.11/500x60	500	4,5	30/35	60
9.11/550x56	550	5	35/40	56
9.11/600x56	600	5,5	35/40	56
9.11/700x84	700	5,5	40	84

art. 9.12



**LAMA CIRCOLARE PER USO UNIVERSALE
SU LEGNI TENERI E DURI**



**UNIVERSAL CIRCULAR SAW BLADE FOR SOFT WOOD
AND HARD WOOD**



Lame / Blades

ARTICOLO ITEM	Ø	SP	FORO BORE	Z
9.12/100x16	100	3,2	20/30	16
9.12/140x24	140	3,2	20/30	24
9.12/150x24	150	3,2	20/30	24
9.12/180x28	180	3,2	20/30	28
9.12/200x32	200	3,2	30/35	32
9.12/225x36	225	3,2	30/35	36
9.12/250x40	250	3,2	30/35	40
9.12/300x48	300	3,2	30/35	48
9.12/350x54	350	3,5	30/35	54
9.12/400x60	400	3,8	30/35	60
9.12/450x72	450	4,2	30/35	72
9.12/500x80	500	4,2	30/35	80
9.12/550x96	550	5	35	96

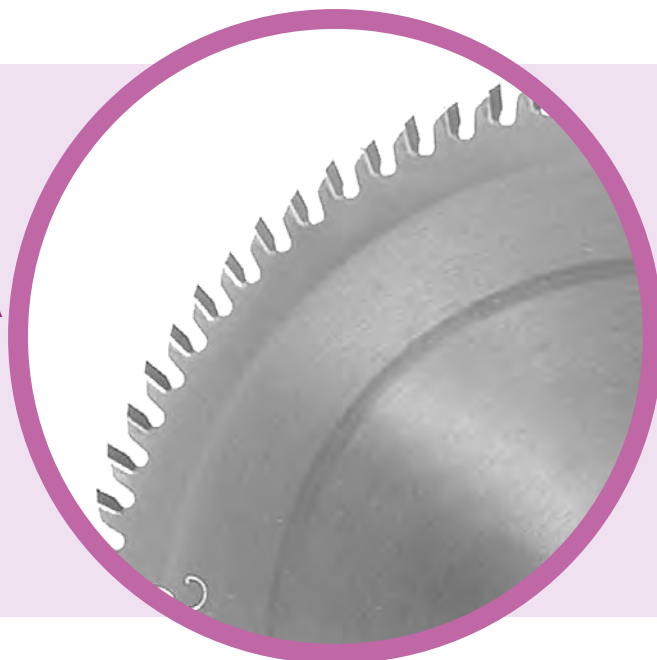
art. 9.13



**LAMA CIRCOLARE PER USO UNIVERSALE
SU LEGNI TENERI E DURI CON BUONA FINITURA**



**UNIVERSAL CIRCULAR SAW BLADE FOR GOOD
FINISHING CUT TO USE ON SOFT AND HARD WOOD**



ARTICOLO ITEM	Ø	SP	FORO BORE	Z
9.13/125x24	125	3,2	20/30	24
9.13/150x30	150	3,2	20/30	30
9.13/180x36	180	2,5	30/35	36
9.13/180x36	180	3,2	30/35	36
9.13/200x40	200	2,5	30/35	40
9.13/200x40	200	3,2	30/35	40
9.13/250x48	250	2,5	30/35	48
9.13/250x48	250	3,2	30/35	48
9.13/300x60	300	2,5	30/35	60
9.13/300x60	300	3,2	30/35	60
9.13/320x72	320	3,5	30/35	72
9.13/330x72	330	3,5	30/35	72
9.13/350x72	350	3,5	30/35	72
9.13/400x80	400	3,8	30/35	80

art. 9.14



**LAMA CIRCOLARE PER USO UNIVERSALE
SU LEGNI TENERI E DURI CON OTTIMA FINITURA**



**UNIVERSAL CIRCULAR SAW BLADE WITH VERY GOOD
FINISHING CUT ON SOFT WOOD AND HARD WOOD**



Lame / Blades

ARTICOLO ITEM	Ø	SP	FORO BORE	Z
9.14/140x36	140	3,2	20/30	36
9.14/150x36	150	3,2	20/30	36
9.14/160x36	160	3,2	20/30	36
9.14/180x40	180	3,2	30/35	40
9.14/200x48	200	3,2	30/35	48
9.14/250x60	250	3,2	30/35	60
9.14/300x72	300	3,2	30/35	72
9.14/350x84	350	3,5	30/35	84
9.14/400x96	400	3,8	30/35	96
9.14/450x108	450	4,2	30/35	108
9.14/500x120	500	4,2	30/35	120

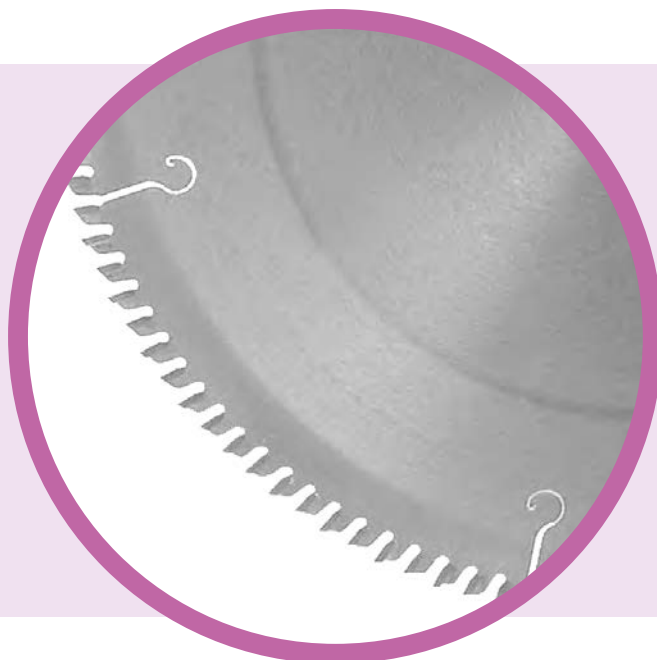
art. 9.15



**LAMA CIRCOLARE PER TAGLIO PANNELLI
IN GENERI RICOPERTI IN FORMICA O
MELAMINA**



**CIRCULAR SAW BLADE TO BE USED ON COATED PANELS
WITH MELAMINE OR OTHERS**



ARTICOLO ITEM	Ø	SP	FORO BORE	Z
9.15/125x36	125	3,2	20/30	36
9.15/140x48	140	3,2	20/30	48
9.15/150x48	150	3,2	20/30	48
9.15/160x48	160	3,2	20/30	48
9.15/180x56	180	3,2	20/30	56
9.15/200x64	200	3,2	20/30/32	64
9.15/225x72	225	3,2	20/30	72
9.15/250x80	250	3,2	20/30/32	80
9.15/275x84	275	3,2	20/30/32	84
9.15/300x96	300	3,2	20/30/32	96
9.15/320x100	320	3,2	20/30	100
9.15/330x100	330	3,5	20/30	100
9.15/350x108	350	3,5	20/30/32	108
9.15/400x120	400	3,8	30/35	120
9.15/450x132	450	4,2	30/35	132

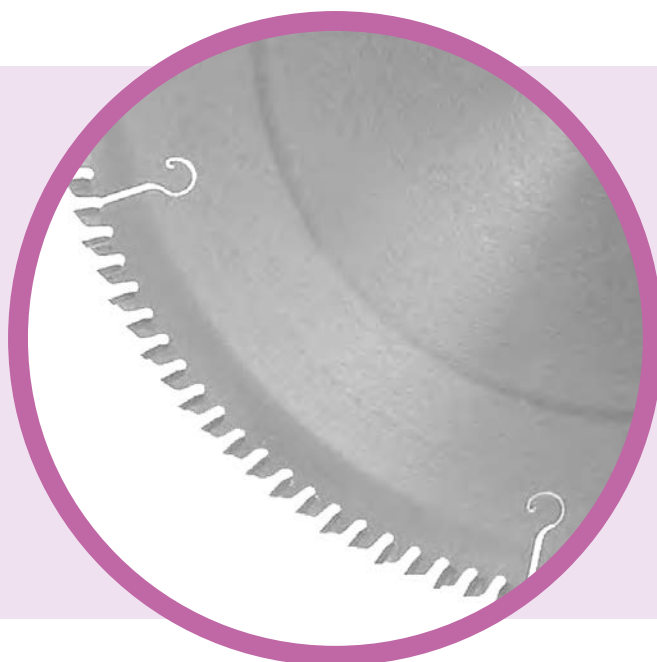
art. 9.21



**LAMA CIRCOLARE A SPESSORE SOTTILE,
PER LEGNI TENERI E DURI, PROFONDITA'
MASSIMA mm 35**



**CIRCULAR SAW BLADE FOR THIN CUTTING WIDTH TO BE
USED ON SOFT AND HARD WOOD MAXIMUM DEEPNESS
35 mm**



Lame / Blades

ARTICOLO ITEM	Ø	SP	FORO BORE	Z
9.21/125x24	125	2,5	20/30	24
9.21/140x24	140	2,5	20/30	24
9.21/150x24	150	2,5	20/30	24
9.21/180x28	180	2,5	30/35	28
9.21/200x32	200	2,5	30/35	32
9.21/250x40	250	2,5	30/35	40
9.21/300x48	300	2,5	30/35	48
9.21/350x54	350	3	30/35	54

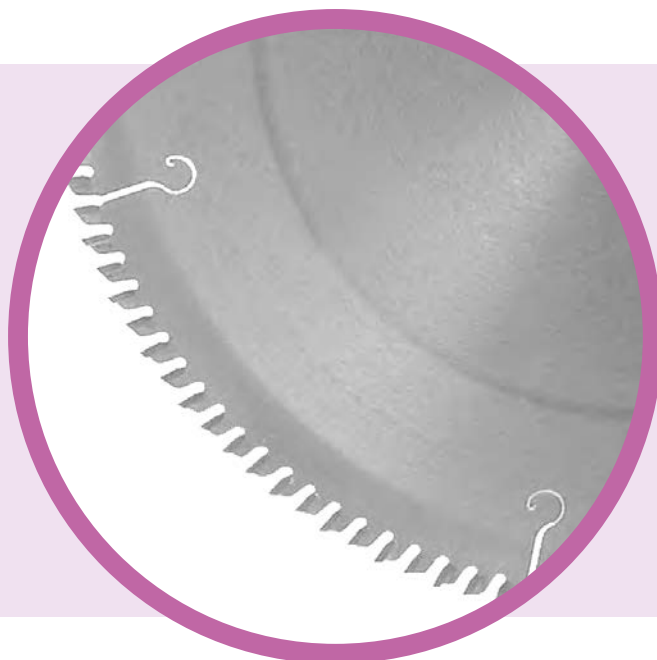
art. 9.22



**LAMA CIRCOLARE A SPESSORE SOTTILE,
PER LEGNI TENERI E DURI CON BUONA
FINITURA, PROFONDITA' MASSIMA mm 30**



**CIRCULAR SAW BLADE FOR THIN CUTTING WIDTH WITH
GOOD FINISHING TU USE ON SOFT WOOD AND HARD
WOOD MAXIMUM DEEPNESS 30 mm**



ARTICOLO ITEM	Ø	SP	FORO BORE	Z
9.22/140x36	140	2,5	20/30	36
9.22/150x36	150	2,5	20/30	36
9.22/160x36	160	2,5	20/30	36
9.22/180x40	180	2,5	30/35	40
9.22/200x48	200	2,5	30/35	48
9.22/250x60	250	2,5	30/35	60
9.22/300x72	300	2,5	30/35	72

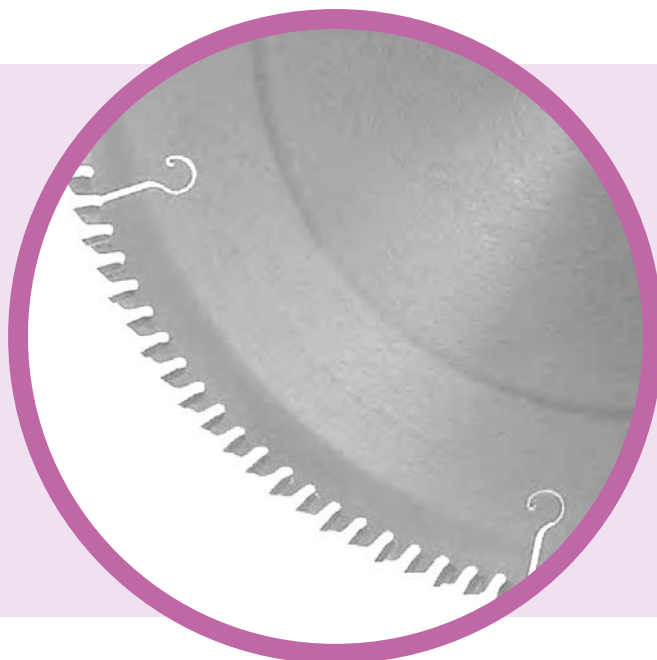
art. 9.23



**LAMA CIRCOLARE A SPESSORE SOTTILE PER
TAGLIO PANNELLI IN GENERE RICOPERTI
IN FORMICA O MELAMINA CON OTTIMA
FINITURA, PROFONDITA' MASSIMA mm 25**



**CIRCULAR SAW BLADE FOR THIN CUTTING WIDTH VERY
GOOD FINISHING CUT ON COATED PANELS WITH
MELAMINE OR OTHERS MAXIMUM DEEPNESS 25 mm**



Lame / Blades

ARTICOLO ITEM	Ø	SP	FORO BORE	Z
9.23/140x48	140	2,5	20/30	48
9.23/150x48	150	2,5	20/30	48
9.23/160x48	160	2,5	20/30	48
9.23/180x56	180	2,5	20/30	56
9.23/200x64	200	2,5	20/30	64
9.23/250x80	250	2,5	20/30	80
9.23/300x96	300	2,5	20/30	96

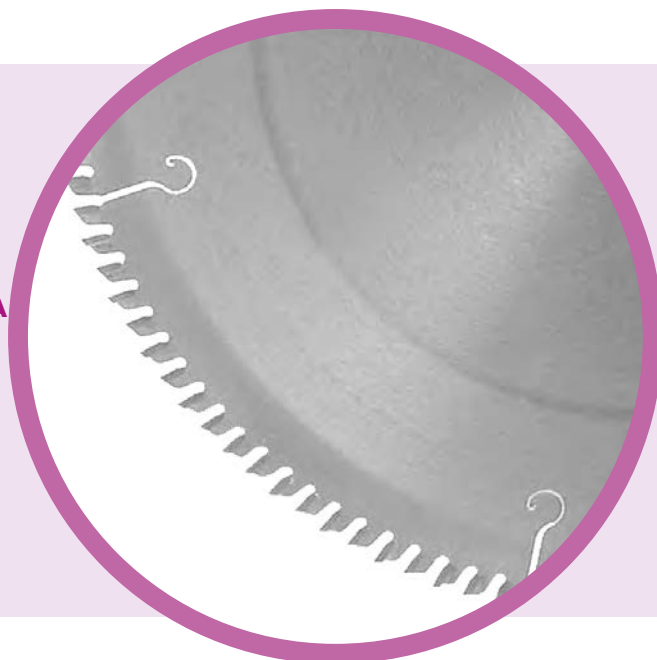
art. 9.24



**LAMA CIRCOLARE A SPESSORE MOLTO SOTTILE
PER LEGNI IN PREVALENZA TENERI CON OTTIMA
FINITURA, PROFONDITA' MASSIMA mm 15**



**CIRCULAR SAW BLADE FOR VERY THIN CUTTING WIDTH
VERY GOOD FINISHING CUT ON SOFT WOOD MAXIMUM
DEEPNESS 15 mm**



ARTICOLO ITEM	Ø	SP	FORO BORE	Z
9.24/120x20	120	2	30/35	20
9.24/120x30	120	2	30/35	30
9.24/150x24	150	2	30/35	24
9.24/150x36	150	2	30/35	36
9.24/150x48	150	2	30/35	48
9.24/180x24	180	2	30/35	24
9.24/180x40	180	2	30/35	40
9.24/180x56	180	2	30/35	56
9.24/200x24	200	2,2	30/35	24
9.24/200x48	200	2,2	30/35	48
9.24/200x64	200	2,2	30/35	64
9.24/250x40	250	2,2	30/35	40
9.24/250x60	250	2,2	30/35	60
9.24/250x80	250	2,2	30/35	80
9.24/300x24	300	2,2	30/35	24
9.24/300x36	300	2,2	30/35	36
9.24/300x48	300	2,2	30/35	48
9.24/300x96	300	2,2	30/35	96

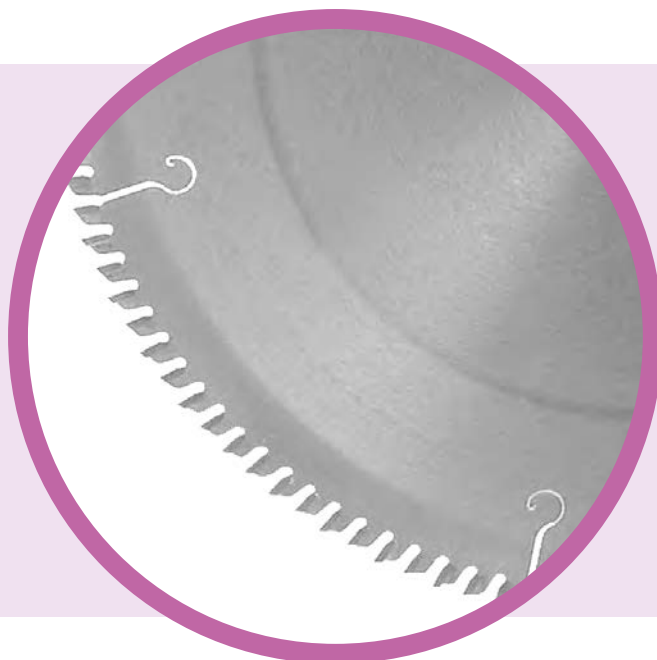
art. 9.25



**LAMA CIRCOLARE A SPESSORE SOTTILE
PER TAGLIO CORNICI**



**CIRCULAR SAW BLADE WITH THIN CUTTING WIDTH TO
USE FOR FRAMES CUTTING**



Lame / Blades

ARTICOLO ITEM	Ø	SP	SP CORPO	FORO BORE	Z
9.25/200x64	200	2,8	2,2	20/30	64
9.25/225x72	225	2,8	2,2	20/30	72
9.25/250x60	250	3,1	2,2	20/30	60
9.25/250x80	250	3	2,5	20/30	80
9.25/300x72	300	3,1	2,5	20/30	72
9.25/300x96	300	3	2,5	20/30	96
9.25/330x100	330	3,2	2,8	20/30	100
9.25/350x84	350	3,4	2,5	20/30	84
9.25/350x108	350	3,2	2,8	20/30	108

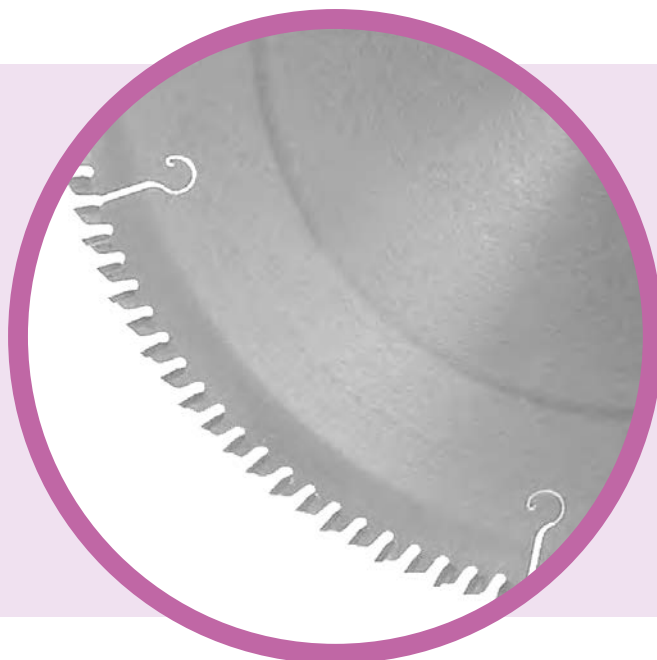
art. 9.26



**LAMA CIRCOLARE A SPESSORE EXTRA SOTTILE
CON CORPO RINFORZATO PER INCISIONE SU
PANNELLI RICOPERTI**



**CIRCULAR SAW BLADE WITH EXTRATHIN CUTTING WIDTH
AND REINFORCED BODY, TO USE FOR THE SCORING
ON COATED PANELS**



ARTICOLO ITEM	Ø	SP	FORO BORE	Z
9.26/125x24	125	1,5	30/35	24
9.26/125x30	125	1,5	30/35	30
9.26/150x24	150	1,5	30/35	24
9.26/150x36	150	1,5	30/35	36
9.26/150x48	150	1,5	30/35	48
9.26/180x40	180	1,5	30/35	40
9.26/180x56	180	1,5	30/35	56
9.26/200x48	200	1,5	30/35	48
9.26/200x64	200	1,5	30/35	64
9.26/250x60	250	1,6	30/35	60
9.26/250x80	250	1,6	30/35	80
9.26/300x72	300	1,6	30/35	72
9.26/300x96	300	1,6	30/35	96

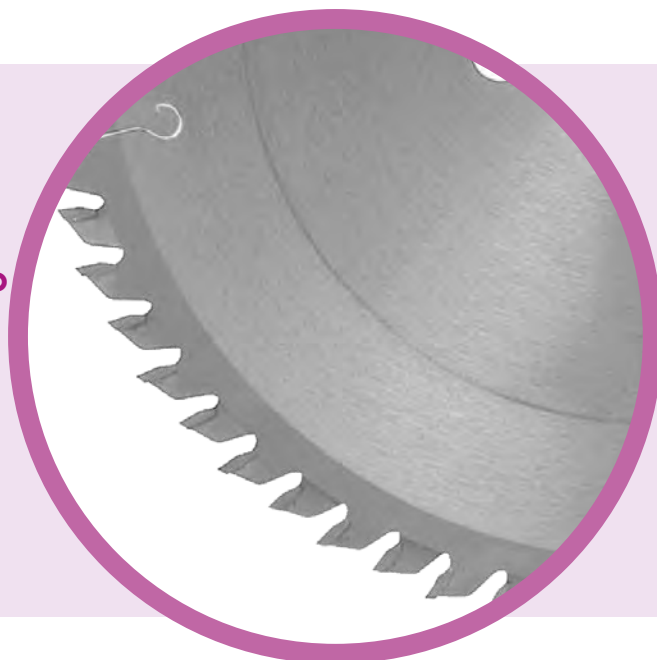
art. 9.31



LAMA CIRCOLARE PER SEZIONATRICI A GROSSO SPESSORE CON TAGLIENTI A SBOZZARE E FINIRE PER TAGLIO PANNELLI DI TRUCIOLARE NOBILITATI IN FORMICA O MELAMINA



CIRCULAR SAW BLADE FOR FINISHING CUT ON SIZING MACHINE HIGH CUTTING WIDTH ON CHIPBOARD PANELS COATED MELAMIN OR OTHERS



Lame / Blades

ARTICOLO ITEM	Ø	SP	SP CORPO	FORO BORE	Z
9.31/300x48	300	4,4	2,8	30/35	48
9.31/300x60	300	4,4	2,8	30/35	60
9.31/300x72	300	4,4	2,8	30/35	72
9.31/350x36	350	4,4	3	30/75/80	36
9.31/350x48	350	4,4	3	30/75/80	48
9.31/350xs1x54	350	4,4	3	30/75/80	54
9.31/350xs2x54	350	4,6	3,2	30/75/80	54
9.31/350xs1x72	350	4,4	3	30/75/80	72
9.31/350xs2x72	350	4,6	3,2	30/75/80	72
9.31/350x84	350	4,4	3	30/75/80	84
9.31/350x108	350	4,4	3	30	108
9.31/370x72	370	4,4	3	30	72
9.31/380x60	380	4,6	3,2	80+8	60
9.31/380xs1x72	380	4,8	3,2	60	72
9.31/380xs2x72	380	4,8	3,5	60	72
9.31/380xs1x84	380	4,8	3,2	60	84
9.31/380xs2x84	380	4,8	3,5	60	84
9.31/400x36	400	4,4	3	30/75/80	36
9.31/400x48	400	4,4	3	30/75/80	48
9.31/400xs1x60	400	4,4	3	30/75/80	60
9.31/400xs2x60	400	4,6	3,2	30/75/80	60
9.31/400xs1x72	400	4,4	3	30/75/80	72
9.31/400xs2x72	400	4,6	3,2	30/75/80	72
9.31/410x40	410	4,4	3	75/80	40
9.31/410x60	410	4,6	3,2	75/80+8	60
9.31/420x54	420	4,6	3,2	30/75/80	54
9.31/420x72	420	4,6	3,2	30/75/80	72
9.31/420x60	420	4,8	3,5	60	60
9.31/430x60	430	4,4	3	75/80	60

art. 9.31

ARTICOLO ITEM	Ø	SP	SP CORPO	FORO BORE	Z
9.31/430x72	430	4,4	3,2	75/80	72
9.31/430x96	430	4,4	3,2	75/80	96
9.31/450xs1x54	450	4,4	3	40/50/75	54
9.31/450xs2x54	450	4,6	3,2	40/50/75	54
9.31/450x60	450	4,6	3,5	40/75/80	60
9.31/450xs1x72	450	4,4	3	40/75/80	72
9.31/450xs2x72	450	4,6	3,2	40/75/80	72
9.31/450xs3x72	450	4,6	3,5	40/75/80	72
9.31/470x60	470	4,6	3,2	50/75	60
9.31/500x40	500	4,6	3,2	80	40
9.31/500x60	500	4,6	3,2	80	60
9.31/500x80	500	4,6	3,2	80	80

art. 9.41



**LAMA CIRCOLARE INCISORE
PER SQUADRATRICI E BORDATRICI**



**SCORING SAW BLADE FOR EDGEBANDING AND
DOUBLE-END-TENONER MACHINES**



Lame / Blades

ARTICOLO ITEM	Ø	SP	FORO BORE	Z	€
9.41/100x20	100	3,2	20/30	20	58,65
9.41/105x20	105	3,2	20/30	20	64,98
9.41/110x20	110	3,2	20/30	20	58,65
9.41/115x24	115	3,2	20/30	24	58,65
9.41/120x24	120	3,2	20/30	24	58,65
9.41/120x30	120	3,2	20/30	30	64,98
9.41/125x24	125	3,2	20/30	24	58,65
9.41/125x30	125	3,2	20/30	30	64,98
9.41/125x36	125	3,2	20/30	36	72,19
9.41/130x24	130	3,2	20/30	24	61,36
9.41/130x30	130	3,2	20/30	30	65,89
9.41/140x24	140	3,2	20/30	24	61,36
9.41/140x36	140	3,2	20/30	36	70,39
9.41/140x48	140	3,2	20/30	48	79,41
9.41/150x24	150	3,2	20/30/40	24	61,36
9.41/150xf1x36	150	3,2	20/30/40/55/60	36	70,39
9.41/150xf2x36	150	3,2	35+4	36	84,82
9.41/150xf3x36	150	3,2	50+3	36	79,41
9.41/150xf1x48	150	3,2	20/30/40/55/60	48	79,41
9.41/150xf2x48	150	3,2	50+3	48	88,44
9.41/160x24	160	3,2	20/30/40/55/60	24	67,68
9.41/160x36	160	3,2	20/30/40/55/60	36	75,81
9.41/160x48	160	3,2	20/30/40/55/60	48	86,63
9.41/170x36	170	3,2	20/30/40/55/60	36	75,81
9.41/180xf1x40	180	3,2	30/40/55/60	40	78,52
9.41/180xf2x40	180	3,2	50+3	40	87,53
9.41/180xf1x56	180	3,2	30/40/55/60	56	90,23
9.41/180xf2x56	180	3,2	50+3	56	99,28

art. 9.41

ARTICOLO ITEM	Ø	SP	FORO BORE	Z
9.41/180xf3x56	180	3,2	65+6	56
9.41/200x40	200	3,2	30/40/6070	40
9.41/200x48	200	3,2	30/40/6070	48
9.41/200x64	200	3,2	30/40/6070	64
9.41/220x64	220	3,2	20/30	64
9.41/230x72	230	3,2	20/30	72

art. 9.42



LAMA CIRCOLARE INCISORE PER SEZIONATRICI



SCORING SAW BLADE FOR SIZING MACHINE



Lame / Blades

ARTICOLO ITEM	Ø	SP	FORO BORE	Z
9.42/80x12	80	3,1÷4,3	20	12
9.42/100x20	100	3,1÷4,3	20	20
9.42/110x20	110	3,1÷4,3	20	20
9.42/115x24	115	3,1÷4,3	20	24
9.42/120xs1x24	120	3,1÷4,3	20	24
9.42/120xs2x24	120	3,4÷4,6	20	24
9.42/125xs1x24	125	3,1÷4,3	20	24
9.42/125xs2x24	125	3,4÷4,6	20	24
9.42/125xs3x24	125	4,3÷5,5	20/45	24
9.42/127x24	127	3,4÷4,6	20/45	24
9.42/140xs1x24	140	3,4÷4,6	30/40	24
9.42/140xs2x24	140	4,3÷5,5	20/30/45	24
9.42/150xs1x24	150	3,1÷4,3	20/30	24
9.42/150xs2x24	150	3,4÷4,6	20/30	24
9.42/150xs3x24	150	4,3÷5,5	20/30/45	24
9.42/150xs1x36	150	3,1÷4,3	20/30	36
9.42/150xs2x36	150	3,4÷4,6	20/30	36
9.42/150xs3xf1x36	150	4,3÷5,5	20/30	36
9.42/150xs3xf2x36	150	4,3÷5,5	55+3	36
9.42/160xs1x36	160	3,4÷4,6	30/40	36
9.42/160x24	160	4,3÷5,5	30/45	24
9.42/160xs2xf1x36	160	4,3÷5,5	30/45	36
9.42/160xs2xf2x36	160	4,3÷5,5	55+3	36
9.42/180x30	180	4,3÷5,5	70+4	30
9.42/180x36	180	4,3÷5,5	20/45	36
9.42/200x36	200	4,3÷5,5	20/30	36
9.42/200x40	200	4,3÷5,5	30/40	40
9.42/215x36	215	4,3÷5,5	50+3	36

art. 9.42

ARTICOLO ITEM	Ø	SP	FORO BORE	Z
9.42/250x60	250	4,3÷5,5	30	60
9.42/280x48	280	4,3÷5,5	55+3	48
9.42/300x48	300	4,3÷5,5	50/65/80	48
9.42/300x72	300	4,3÷5,5	50/65/80	72

art. 9.51



**LAMA CIRCOLARE PER RICAMBIO
TRUCIOLATORI**



CIRCULAR SAW BLADE FOR HOGGER



Lame / Blades

ARTICOLO ITEM	Ø	SP	FORO BORE	Z
9.51/200x48	200/205	4,1	80	48
9.51/200x60	200/205	4,1	80	60
9.51/250x40	250/255	4,1	80/100/130	40
9.51/250x54	250/255	4,1	80	54
9.51/250x56	250/255	4,1	80	56
9.51/250x60	250/255	4,1	100/130	60
9.51/250x80	250/255	4,1	80/130	80
9.51/300x48	300	4,1	80/130/155	48
9.51/300x72	300	4,1	80/130/155	72
9.51/300x96	300	4,1	130/140/155	96
9.51/350x54	350	4,1	155/170	54
9.51/350x84	350	4,1	155/170	84

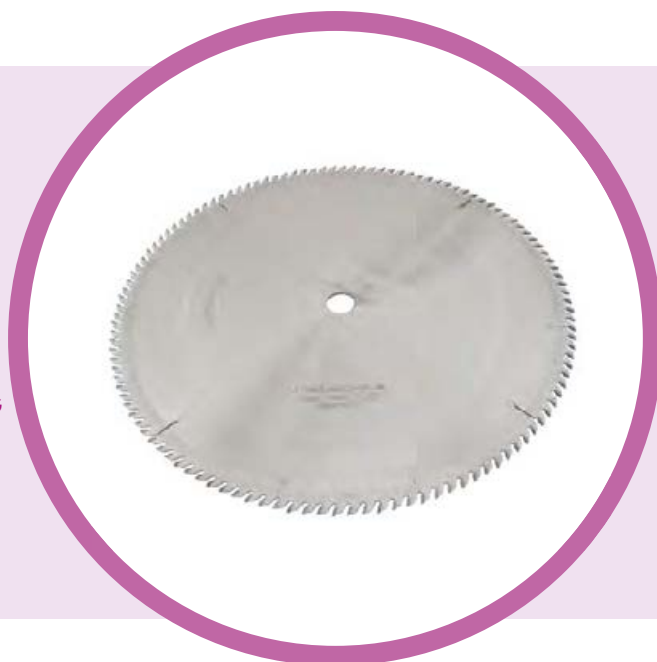
art. 9.61



**LAMA CIRCOLARE PER IL TAGLIO DI PROFILATI
IN ALLUMINIO E PVC CON BUONA FINITURA**



**CIRCULAR SAW BLADE FOR ALUMINIUM AND PVC CUTTING
GOOD FINISHING**



ARTICOLO ITEM	Ø	SP	FORO BORE	Z
9.61/150x48	150	3,2	20/30	48
9.61/160x48	160	3,2	20/30	48
9.61/180x40	180	3,2	20/30	40
9.61/180x56	180	3,2	20/30	56
9.61/200x48	200	3,2	30/32	48
9.61/200x64	200	3,2	30/32	64
9.61/225x72	225	3,2	30/32	72
9.61/250x60	250	3,2	20/32	60
9.61/250x80	250	3,2	20/32	80
9.61/275x84	275	3,2	30/32	84
9.61/300x72	300	3,2	30/32	72
9.61/300x84	300	3,2	32	84
9.61/300x96	300	3,2	20/32	96
9.61/330x80	330	3,5	20/32	80
9.61/330x100	330	3,5	20/32	100
9.61/350x84	350	3,5	30/32	84
9.61/350x96	350	3,5	32	96
9.61/350x108	350	3,5	20/32	108
9.61/370x108	370	3,8	32/40	108
9.61/400x96	400	3,8	32/40	96
9.61/400x108	400	3,8	32/40	108
9.61/420x96	420	3,8	32/40	96
9.61/450x108	450	4,0	32/40	108
9.61/500x100	500	4,0	32/40	100
9.61/500x120	500	4,0	32/40	120
9.61/530x120	530	4,0	30+2	120
9.61/530x120S	530	4,2	30+2	120 sil
9.61/550x120	550	4,6	30/32	120
9.61/550X140	550	4,6	30/32	140
9.61/600X120	600	4,6	30/32	120
9.61/600X140	600	4,6	30/32	140
9.61/650X140	650	5	30/32	140
9.61/700X140	700	5	30/32	140

art. 9.71



INCISORI A SPESSORE REGOLABILE



ADJUSTABLE SCORING SAW BLADE



Lame / Blades

ARTICOLO ITEM	Ø	SP	FORO BORE	Z
9.71/100x10+10	100	2,8÷3,6	20/22	10+10
9.71/120x12+12	120	2,8÷3,6	20/22	12+12
9.71/125x12+12	125	2,8÷3,6	20/22	12+12
9.71/125x20+20	125	4,4÷5,5	20+4+1	20+20
9.71/130x12+12	130	2,8÷3,6	20/22	12+12
9.71/150x12+12	150	3,5÷4,5	20/30	12+12
9.71/150x18+18	150	4,4÷5,5	20/30	18+18
9.71/160x18+18	160	4,4÷5,5	20/30	18+18
9.71/180x18+18	180	4,4÷5,5	20/30	18+18
9.71/200xs1x30+30	200	3,4÷4,5	20/30	30+30
9.71/200xs2x30+30	200	4,4÷5,5	20/30	30+30
9.71/300x32+32	300	4,3÷5,5	50+3	32+32
9.71/320x32+32	320	4,4÷5,5	45/50	32+32
9.71/340x32+32	340	4,4÷5,5	45/50	32+32

art. 9.72



INCISORI PER MACCHINE BORDATRICI



SCORING SAW BLADE FOR EDGEBANDING MACHINES



ARTICOLO ITEM	Ø	SP	FORO BORE	Z
9.72/125x20+4	125	3,2	20/30	20+4
9.72/140x24+4	140	3,2	30	24+4
9.72/150x28+4	150	3,2	30	28+4
9.72/170x24+4	170	3,2	20/30	24+4

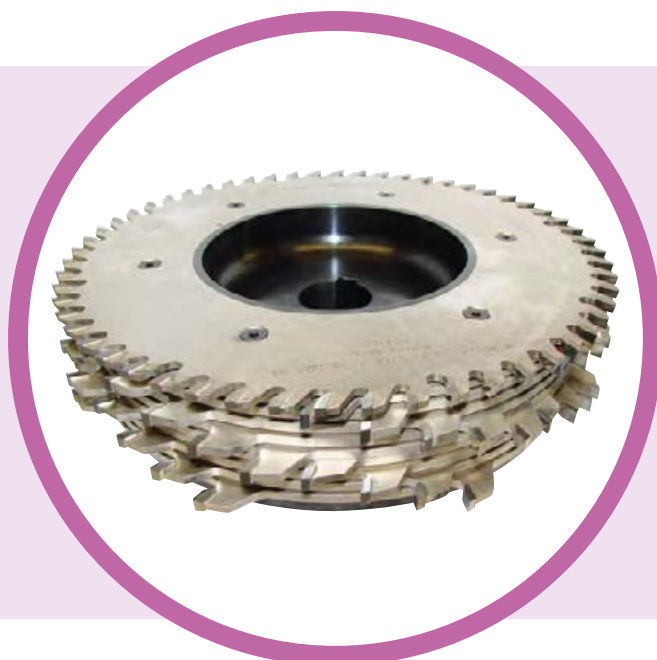
art. 9.80



TRUCIOLATORI A "BASSA RUMOROSITA"



"LOW NOISE" HOGGER



Lame / Blades

ARTICOLO ITEM	Ø	SP	FORO BORE	Z	N.LAME TRUC.
9.80/250X30X60X40	250	30	60	40	5
9.80/250X30X80X40	250	30	80	40	5
9.80/250X30X60X56	250	30	60	56	5
9.80/250X30X80X56	250	30	80	56	5
9.80/250X30X60X80	250	30	60	80-8	5
9.80/250X30X80X80	250	30	80	80-8	5
9.80/250X52X60X40	250	52	60	40	9
9.80/250X52X80X40	250	52	80	40	9
9.80/250X52X60X56	250	52	60	56	9
9.80/250X52X80X56	250	52	80	56	9
9.80/250X52X60X80	250	52	60	80-8	9
9.80/250X52X80X80	250	52	80	80-8	9
9.80/300X30X60X48	300	30	60	48	5
9.80/300X30X80X48	300	30	80	48	5
9.80/300X30X60X72	300	30	60	72	5
9.80/300X30X80X72	300	30	80	72	5
9.80/300X52X60X48	300	52	60	48	9
9.80/300X52X80X48	300	52	80	48	9
9.80/300X52X60X72	300	52	60	72	9
9.80/300X52X80X72	300	52	80	72	9
9.80/350X30X60X60	350	30	60	60	5
9.80/350X30X80X60	350	30	80	60	5
9.80/350X30X60X80	350	30	60	80	5
9.80/350X30X80X80	350	30	80	80	5
9.80/350X52X60X60	350	52	60	60	9
9.80/350X52X80X60	350	52	80	60	9
9.80/350X52X60X80	350	52	60	80	9
9.80/350X52X80X80	350	52	80	80	9

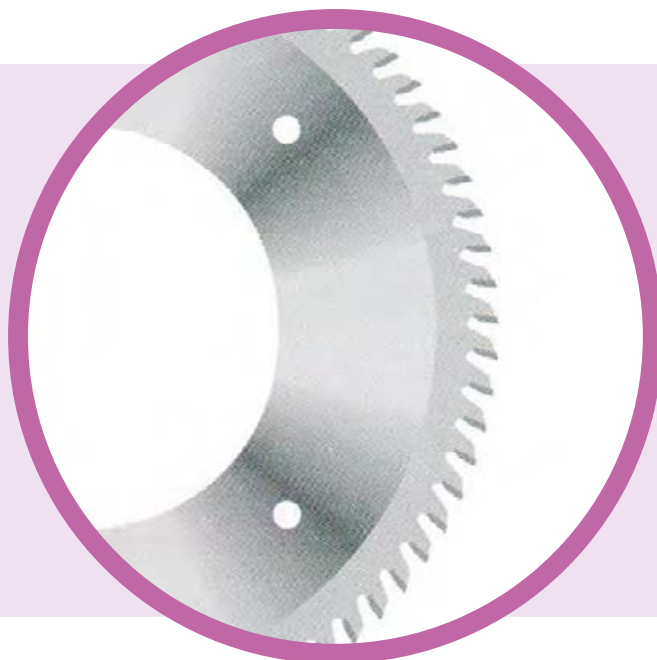
art. 9.81



LAMA PRINCIPALE RIP HM



MAIN HM SAW BLADE



ARTICOLO ITEM	Ø	SP	FORO BORE	Z	NR. FORI
9.81/255X130X40	255	4,1	130	40	6
9.81/255X130X56	255	4,1	130	56	6
9.81/255X130X80	255	4,1	130	80-8	6
9.81/305X155X48	305	4,1	155	48	9
9.81/305X155X72	305	4,1	155	72	9
9.81/355X180X60	355	4,1	180	60	9
9.81/355X180X80	355	4,1	180	80-8	9

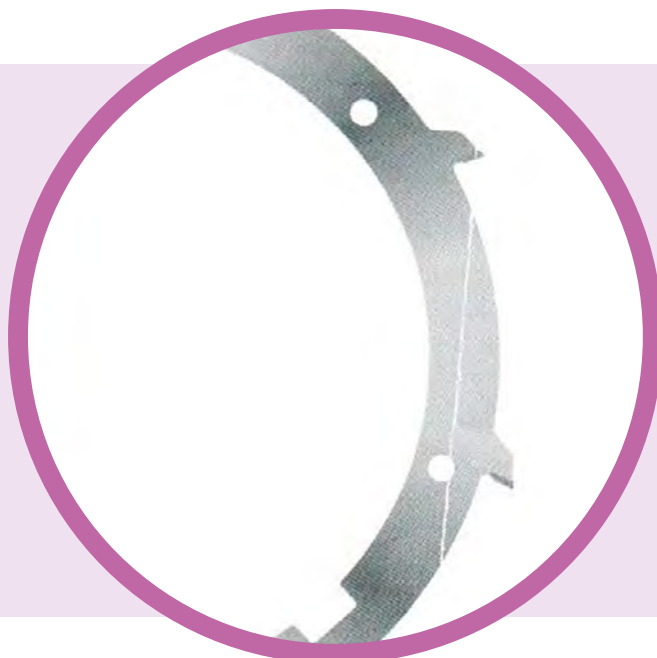
art. 9.82



LAMA TRUCIOLATRICE RIP HM



HM SAW BLADE FOR HOGGER



Lame / Blades

ARTICOLO ITEM	TRU Ø	N.LAMA	Ø	Z
9.82/250X1X250X8	250	1	250	8
9.82/250X2X252X8		2	252	8
9.82/250X3X254X8		3	254	8
9.82/250X4X256X8		4	256	8
9.82/250X5X258X8		5	258	8
9.82/300X1X300X8	300	1	300	8
9.82/300X2X302X8		2	302	8
9.82/300X3X304X8		3	304	8
9.82/300X4X306X8		4	306	8
9.82/300X5X308X8		5	308	8
9.82/350X1X350X10	350	1	350	10
9.82/350X2X352X10		2	352	10
9.82/350X3X354X10		3	354	10
9.82/350X4X356X10		4	356	10
9.82/350X5X358X10		5	358	10

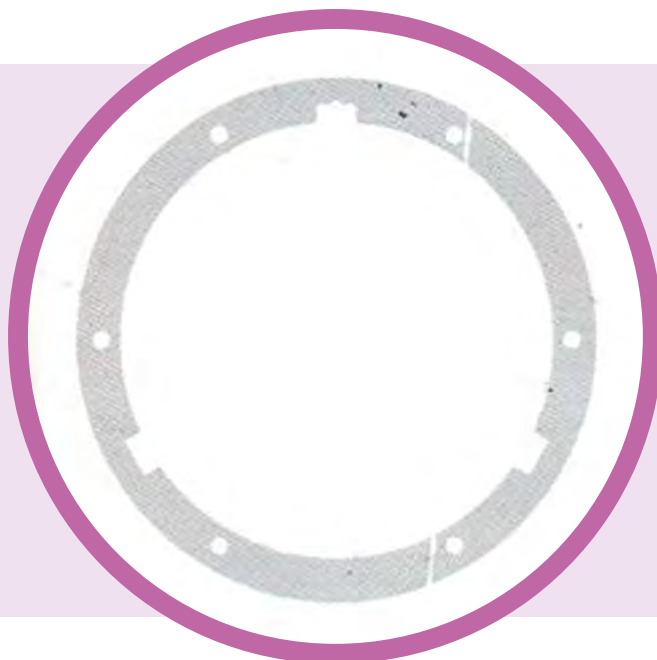
art. 9.83



ANELLO FONO-ASSORBENTE



RING PHONO-ABSORBENT

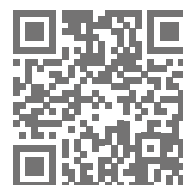


ARTICOLO ITEM	TRU Ø
9.83/250	250
9.83/300	300
9.83/350	350

ARTICOLO ITEM	AFFILATURA SHARPENING
9AFF/z	Denti lame Dentro+Sopra
9AFF/zmult	Denti multilame Dentro+Sopra
9AFF/zall	Denti lame per alluminio Dentro+Sopra
9AFF/zpvc	Denti lame per PVC Dentro+Sopra
9AFF/zsez	Denti lame per sezionatici Dentro+Sopra
9AFF/zras	Rasanti per multilame Dentro+Sopra
9AFF/ztruc	Denti truciolatori Dentro+Sopra

ARTICOLO ITEM	RIPLACCHETTATURA
9RIP/z	Denti lame
9RIP/steli	Steli lame

ARTICOLO ITEM	NICHELATURA
NIC0001	FINO AL Ø300
NIC0002	DA Ø310 A Ø500
NIC0003	DA Ø510 A Ø600



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