



BENDING THE FUTURE



PRESS BRAKE TOOLING **EUROPEAN STYLE**

ATTREZZATURE PER PRESSE PIEGATRICI

Schlavi 

Since 1958



SCHIAVI SERVIZIO CLIENTI **CUSTOMER SERVICE**

Per Schiavi essere vicina ai propri clienti significa:

- > Supporto post-vendita
- > Referenti locali
- > Consegna tempestiva dei pezzi di ricambio
- > Formazione professionale

Being close to our customers means to us:

- > After-sale service
- > Local representatives
- > Prompt delivery of spare parts
- > Professional training

INFORMAZIONI / INFORMATION

UFFICIO COMMERCIALE / SALES DEPARTMENT

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e-mail: tooling@schiavimacchine.it

Tecniche fondamentali di piegatura

Piegatura in aria _ Si tratta della comune piega che richiede una forza relativamente bassa, ma la cui precisione angolare subisce, a piegatura ultimata, l'influenza dell'elasticità residua del materiale

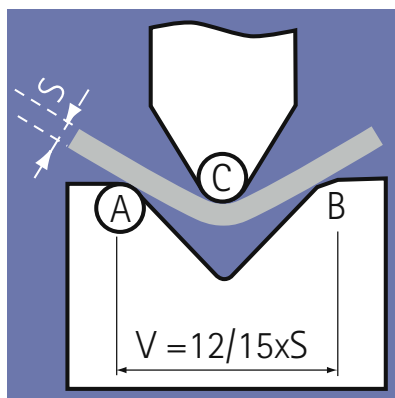
Piegatura in aria che si distingue in:

Piegatura parziale _ Nella piegatura parziale, la piega è interrotta prima che la lamiera arrivi in fondo alla matrice. Il contatto della lamiera con gli attrezzi avviene nei punti A-B-C (come indicato nella figura a lato), e l'angolo di piegatura è determinato dalla posizione di detti punti. Nella piegatura parziale, vengono impiegati matrici di ampiezza pari a 12-15 volte lo spessore della lamiera.

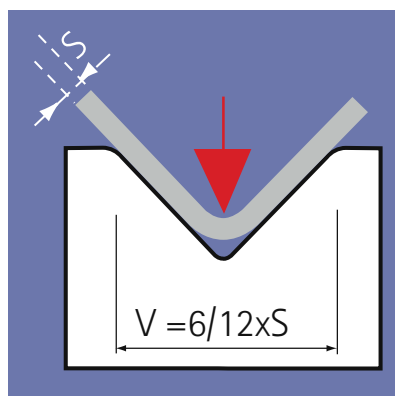
I valori della forza indicati nella tavola di piegatura, devono ritenersi solo orientativi, poichè con questo procedimento, la forza dipende da molti fattori quali: caratteristiche del materiale, tipo e profilo degli attrezzi, ecc.

Piegatura a fondo matrice _ in questo tipo di piega, il raggio interno ottenuto è chiamato "raggio naturale di piegatura" ed è uguale a circa 1/6 dell'ampiezza della matrice.

Con una matrice di ampiezza pari a 6 volte lo spessore della lamiera, si ottiene un raggio interno uguale allo spessore stesso.

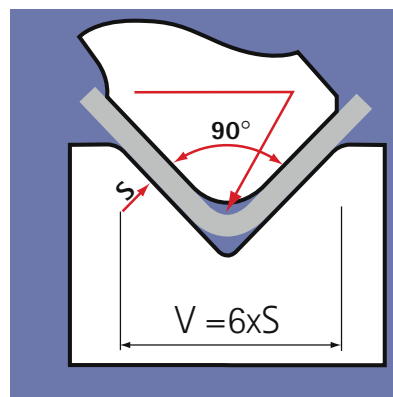


Per le piegature a 90° vengono impiegate matrici a 88° per compensare, agli effetti dell'angolo, l'elasticità del materiale; la forza necessaria è indicata nella tabella di piegatura. Questo tipo di piegatura, viene generalmente impiegato su lamiere dello spessore fino a 2-3 mm.



Piegatura coniata _ E' una piegatura a spinta a fondo che richiede una forza da 4 a 5 volte superiore alla precedente, ma la cui precisione angolare è assoluta, in quanto la coniatura del raggio interno annulla il ritorno elastico del materiale.

Con questo procedimento, si ottengono raggi interni di piegatura inferiori allo spessore della lamiera nonché l'eliminazione dell'elasticità residua. Questo in conseguenza alla penetrazione, in fondo alla matrice, della punta viva del punzone nel raggio naturale di piegatura della lamiera.

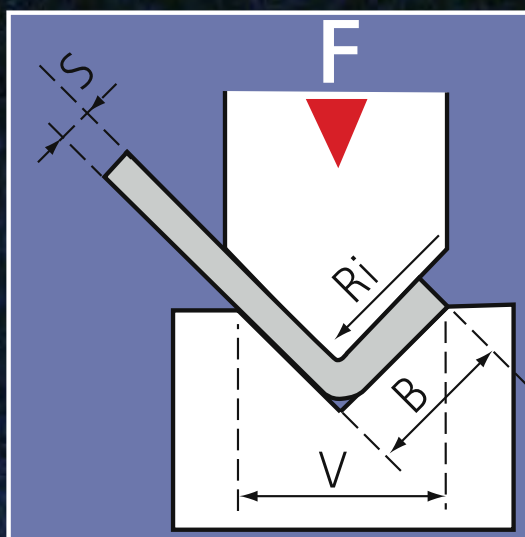


La matrice avrà un'ampiezza pari a 6 volte lo spessore della lamiera e sarà a 90° come il punzone.

La piegatura coniata, viene generalmente impiegata su lamiere dello spessore fino a 2 mm e, in casi articolari, fino a 3 mm.

L'angolo del punzone ha un'importanza fondamentale solamente in caso di piegatura coniata.

S	Spessore lamiera - mm Thickness of the sheet - mm
V	Larghezza del V V-opening
F	Forza in T/m Force in T/m
B	Bordo minimo Shortest edge
Ri	Raggio interno Inside radius
R	alluminio 20-25 Kg/mm ² aluminium 20-25 Kg/mm ²
R	acciaio dolce 40-45 Kg/mm ² mild steel 40-45 Kg/mm ²
R	inox 65-70 Kg/mm ² stainless steel 65-70 Kg/mm ²



Relazione tra spessore lamiera e larghezza V
Sheet thickness/V-shape width ratio

S	Spessore lamiera - mm Sheet thickness - mm	0,5-2,5	3-8	9-10	12 o più
V	Larghezza del V "V" width	6 S	8 S	10 S	12 S

R	alluminio 20-25 kg/mm ² aluminium 20-25 kg/sq. mm
R	acciaio dolce 40-45 kg/mm ² mild steel 40-45 kg/sq. mm
R	inox 65-70 kg/mm ² stainless steel 65-70 kg/sq. mm

$$F = \frac{S^2 \times 2 \times R}{1.4 \times V} = \dots \text{ ton/m}$$

Tabella di piegatura in aria - Acciaio dolce / Air bending table - Mild Steel

[illegible]

Tabella di piegatura in aria - Acciaio inox / Air bending table - Stainless Steel

[illegible]

PUNZONI / PUNCHES

pag. **9** informazioni tecniche / technical informations

pag. **10** punzoni / punches modelli a 90°

pag. **13** punzoni / punches modelli a 88° - 85°

pag. **17** punzoni / punches modelli a 60° - 50° - 45°

pag. **18** punzoni / punches modelli a 45° - 35° - 30°

pag. **19** punzoni / punches modelli a 30° - 26°

pag. **20** porta punzoni e inserti raggiati / punch holder e radius rulers

MATRICI / DIES

pag. **22** informazioni tecniche / technical informations

pag. **24** matrici a T / T dies

pag. **27** matrici a 1V / 1V dies

pag. **28** matrici a 2V / 2V dies

pag. **32** piegaschiaccia / hemming dies

pag. **34** matrici monocava con supporto

pag. **36** supporti per matrici / dies holders

pag. **37** inserti e contenitori / inserts and holders

pag. **38** contenitori ed inserti a Z / jooggle tools

pag. **39** matrici V series / V series black die

pag. **41** accessori / accessories

pag. **42** staffe per intermediari / clamp intermediates

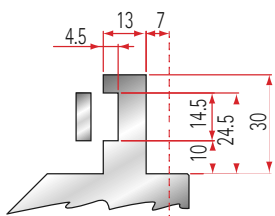
pag. **43** intermediari / intermediates

pag. **45** express clamp

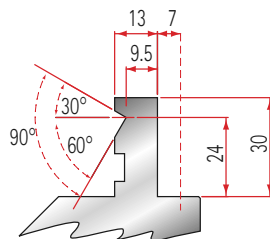
pag. **46** armadi porta utensili / tooling cabinets

Scanalatura di sicurezza - Safety grooves

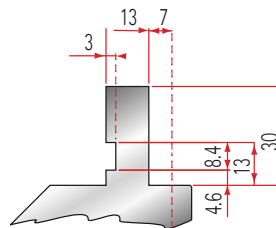
9001



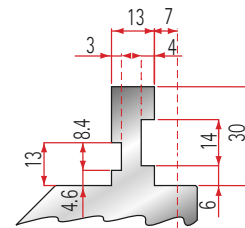
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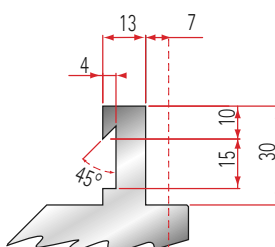
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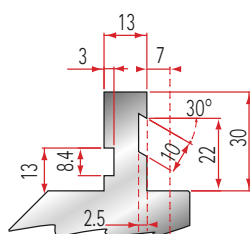
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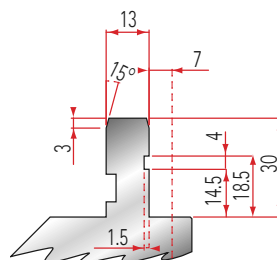
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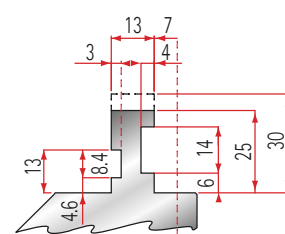
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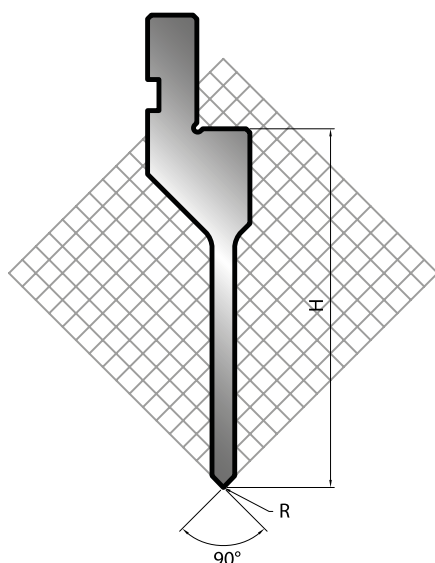


9007



9008





L'utensile non è sezionabile in modo standard.
The tool can't be sectioned in the standard way.



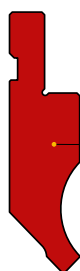
Contattateci per ulteriori chiarimenti.
Please contact us for any clarification.

Schiavi HR



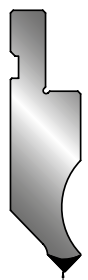
42CRM04 Bonificato a 23-28 Hrc
42CRM04 Hardening and Tempering to Hrc 23-28
42CRM04 Vergütet auf HRc 23-28
Temprato a Induzione a 55-58 Hrc
Induction Hardened to Hrc 55-58
Induktive gehartet auf HRc 55-58

Schiavi TH

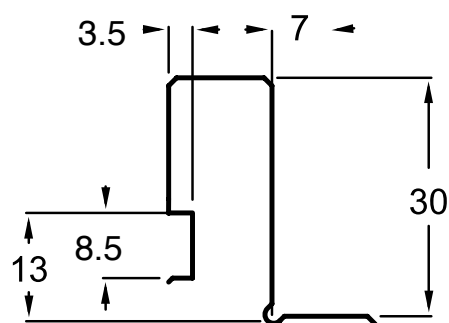


42CRM04 Temprato a Cuore 45-49 Hrc
42CRM04 Through Hardened to Hrc 45-49
42CRM04 Durchgehend vergütet auf HRc 45-49

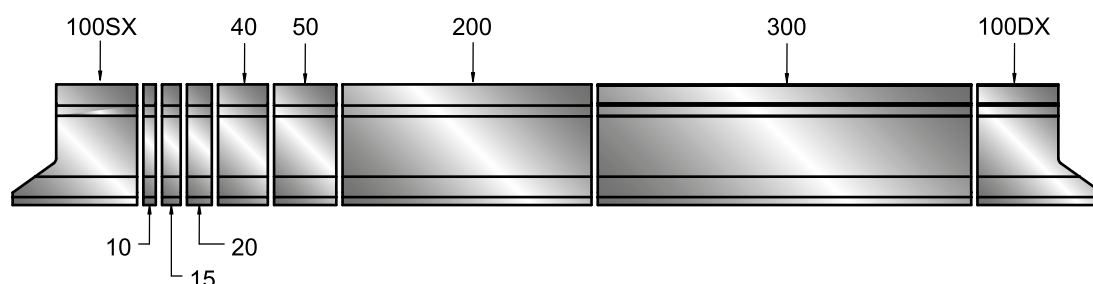
Schiavi IH

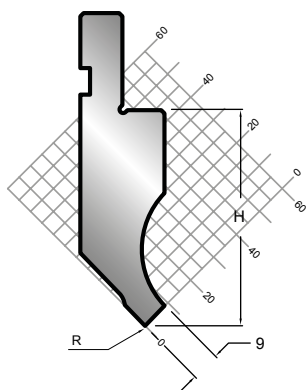


C45 Temprato a Induzione a 55-58 Hrc
C45 Induction Hardened to Hrc 55-58
C45 Induktive gehartet auf HRc 55-58



Lunghezza standard - Standard length - Standardlängen 835 mm - 415 mm - 835 mm sect.

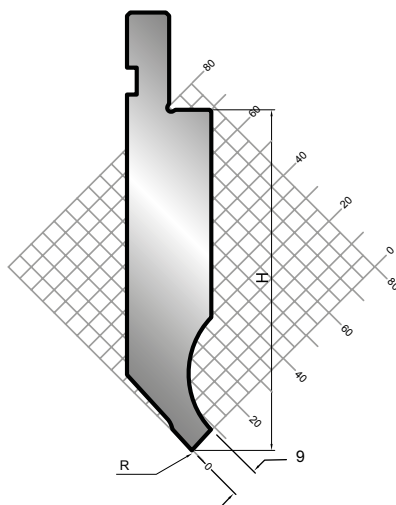




ton/m 100 L=835 - kg 11,20

HR TH	90°		
MOD.	R	H	
S49011	0,2	66,92	
S59011	0,6	66,4	
S69011	0,8	66,65	

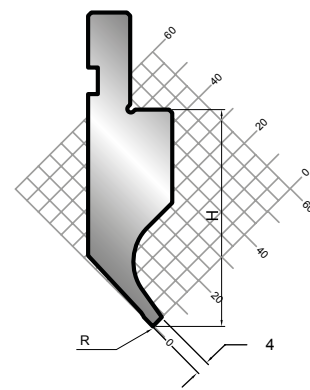
IH	90°		
MOD.	R	H	
S39011	0,2	66,92	
S29011	0,8	66,65	



ton/m 100 L=835 - kg 18,50

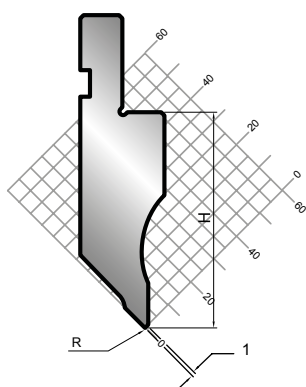
HR	90°		
MOD.	R	H	
S68813	0,2	104,92	
S78813	0,6	104,4	
S88813	0,8	104,65	

IH	90°		
MOD.	R	H	
S58813	0,2	104,92	
S48813	0,8	104,65	



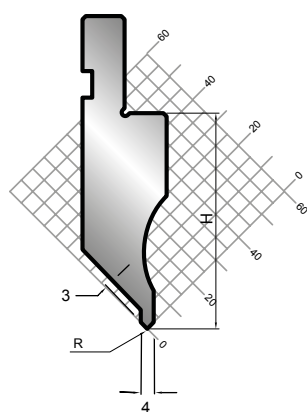
ton/m 20 L=835 - kg 10,60

HR TH	90°		
MOD.	R	H	
S2010	0,2	66,92	
S2008	0,6	66,4	



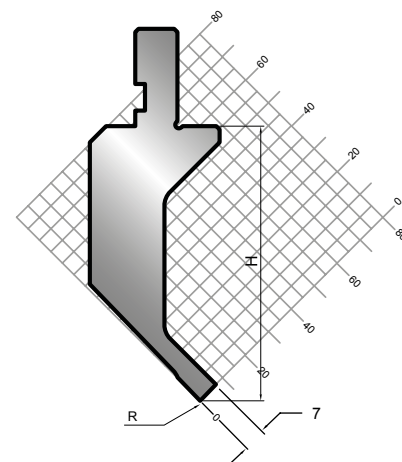
ton/m 80 L=835 - kg 10,80

HR TH	90°		
MOD.	R	H	
S4901	0,2	66,92	
S4902	0,6	66,4	



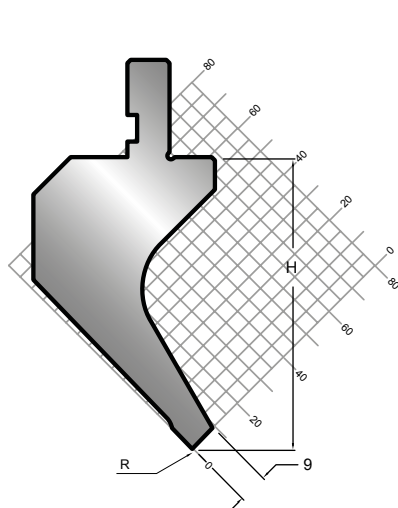
ton/m 80 L=835 - kg 10,80

HR TH	90°		
MOD.	R	H	
S4801	0,2	66,92	
S4802	0,6	66,4	



ton/m 20 L=835 - kg 14,10

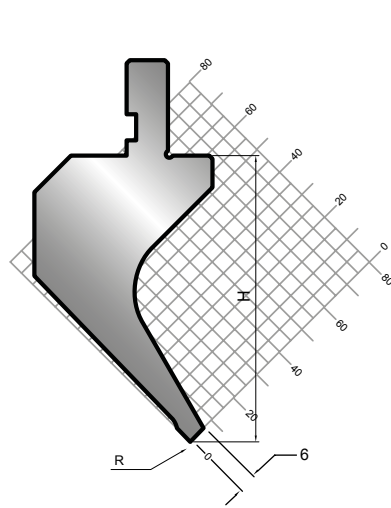
TH	90°		
MOD.	R	H	
S29032	0,2	84,31	
S29031	0,6	84,15	
S29033	0,8	84,05	



ton/m 70 L=835 - kg 19,50

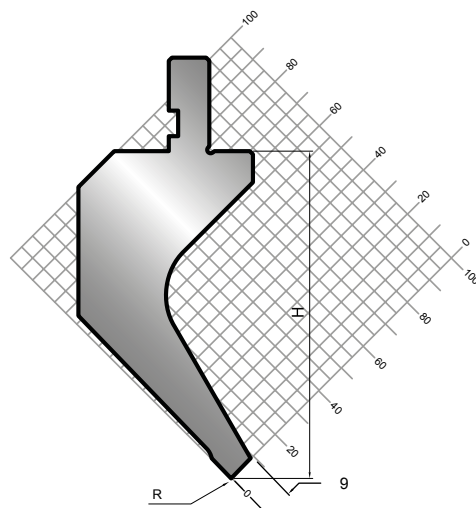
HR TH	90°		
MOD.	R	H	
S49021	0,2	89,92	
S59021	0,6	89,4	
S69021	0,8	89,65	

IH	90°		
MOD.	R	H	
S39021	0,2	89,92	
S29021	0,8	89,65	



ton/m 50 L=835 - kg 19,00

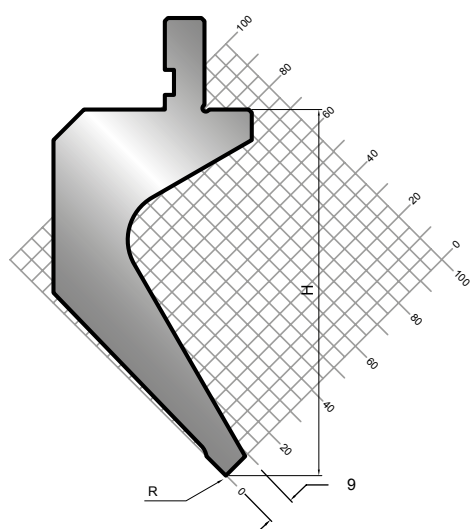
HR TH	90°		
MOD.	R	H	
S2315	0,2	89,92	
S3315	0,6	89,4	
S4315	0,8	89,65	



ton/m 50 L=835 - kg 22,20

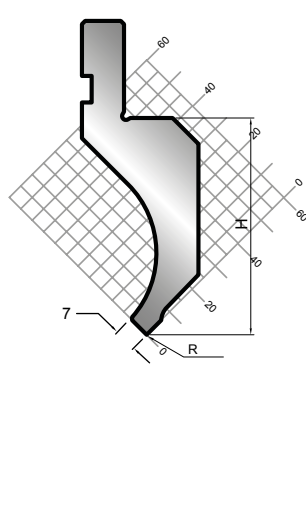
HR TH	90°		
MOD.	R	H	
S59041	0,2	104,92	
S69041	0,6	104,4	
S79041	0,8	104,65	

IH	90°		
MOD.	R	H	
S39041	0,2	104,92	
S29041	0,8	104,65	



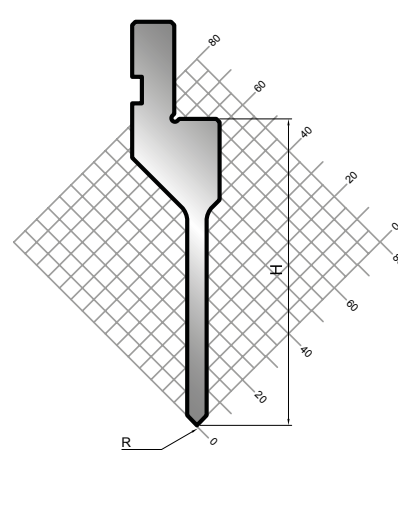
ton/m 50 L=835 - kg 25,70

HR TH	90°		
MOD.	R	H	
S2830	0,2	119,92	
S3830	0,6	119,4	
S1830	0,8	119,65	



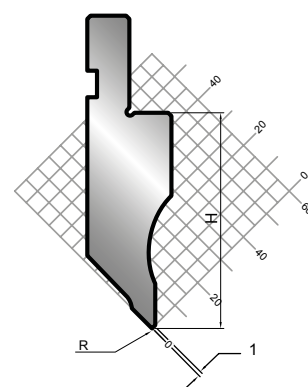
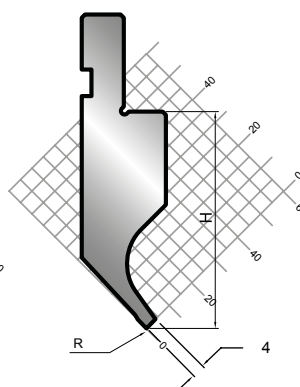
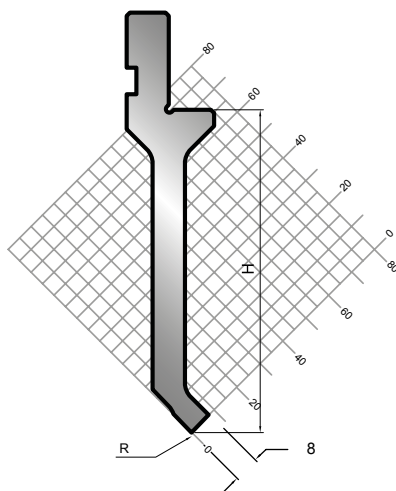
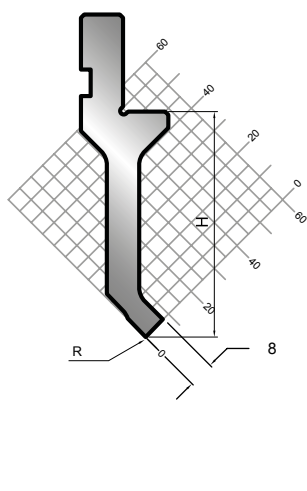
ton/m 60 L=835 - kg 10,20

HR	90°		
MOD.	R	H	
S2105	0,8	66,65	



ton/m 50 L=835 - kg 9,00

HR TH	90°		
MOD.	R	H	
S2032	0,2	94,92	
S3032	0,6	94,4	
S4032	0,8	94,65	



ton/m 30 L=835 - kg 8,00

ton/m 30 L=835 - kg 10,10

ton/m 20 L=835 - kg 10,60

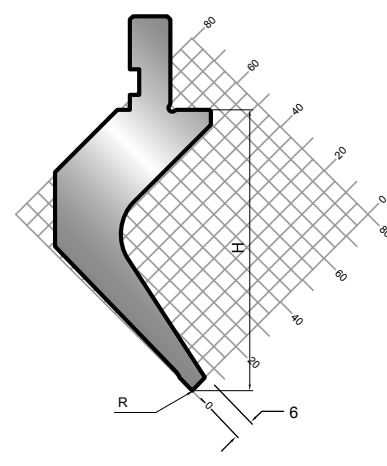
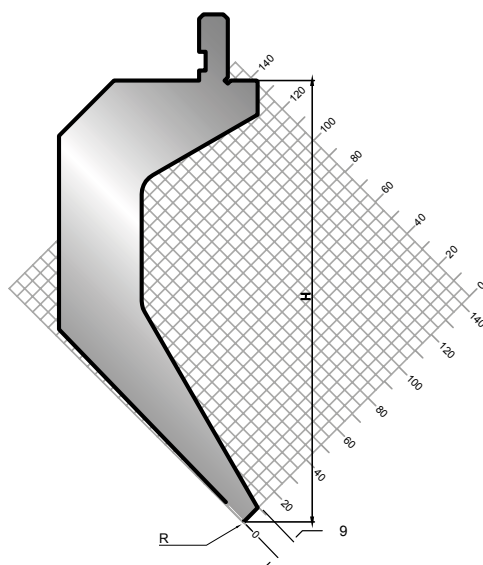
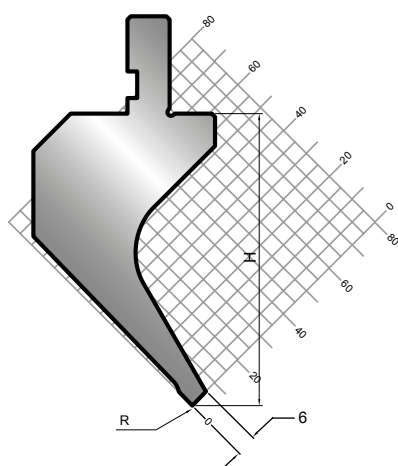
ton/m 80 L=835 - kg 10,80

HR TH	90°		
MOD.	R	H	
S201	0,2	69,92	
S202	0,6	69,4	
S203	0,8	69,65	

HR TH	90°		
MOD.	R	H	
S3006	0,2	99,92	
S2006	0,6	99,4	
S4006	0,8	99,65	

HR TH	88°		
MOD.	R	H	
S2011	0,2	66,91	
S2009	0,6	66,4	
S3009	0,8	66,65	

HR TH	88°		
MOD.	R	H	
S4902	0,2	66,92	
S4903	0,6	66,4	
S4904	0,8	66,65	



ton/m 50 L=835 - kg 19,00

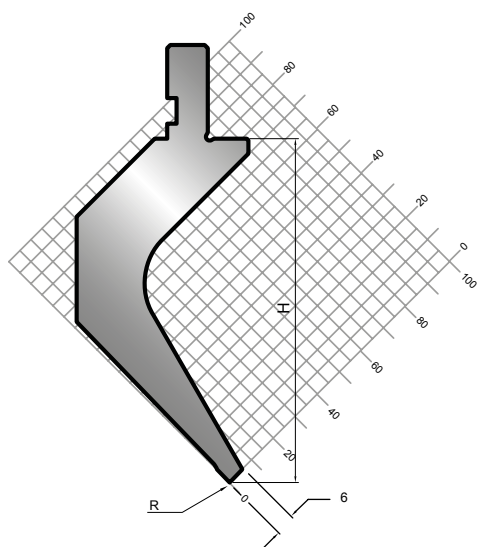
ton/m 30 L=835 - kg 53,70

ton/m 30 L=835 - kg 14,00

HR TH	88°		
MOD.	R	H	
S4530288	0,2	89,91	
S4530688	0,6	89,4	
S2316	0,8	89,65	
S4531588	1,5	89,34	
S4533088	3	88,98	

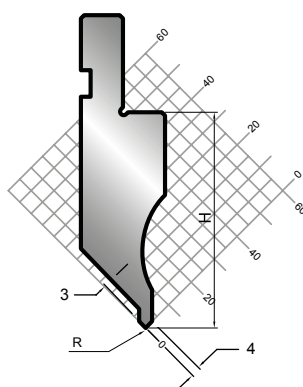
HR	88°		
MOD.	R	H	
S2041	0,8	200	

HR	88°		
MOD.	R	H	
S2050	0,25	90	



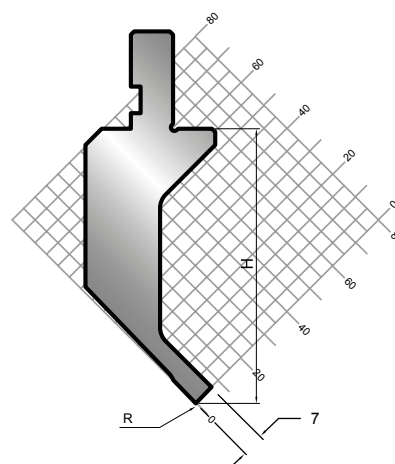
ton/m 30 L=835 - kg 18,70

MOD.	R	H
S2065	0,25	110



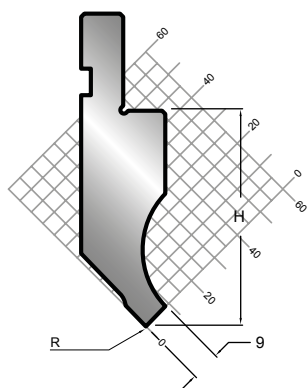
ton/m 80 L=835 - kg 10,80

MOD.	R	H
S4802	0,2	66,91
S4803	0,6	66,4
S4804	0,8	66,65



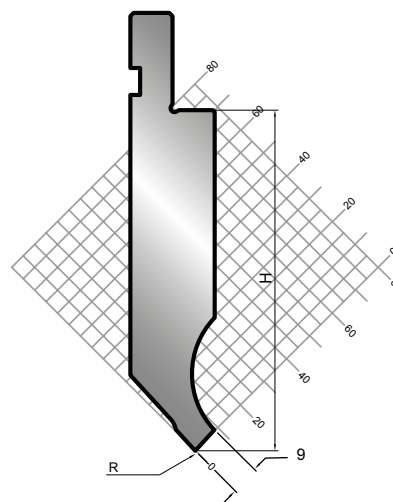
ton/m 20 L=835 - kg 14,10

MOD.	R	H
S2021	0,2	84,31
S2022	0,6	84,15
S2023	0,8	84,05



ton/m 100 L=835 - kg 11,20

MOD.	R	H
S0040288	0,2	66,91
S0040688	0,6	66,4
S0040888	0,8	66,65
S0041588	1,5	66,34
S0043088	3	65,68

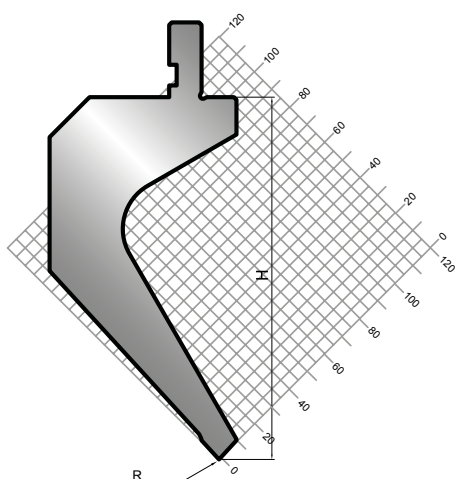


ton/m 100 L=835 - kg 17,50

MOD.	R	H
S0050288	0,2	104,91
S0050688	0,6	104,4
S0050888	0,8	104,65
S0051588	1,5	104,34
S0053088	3	103,68

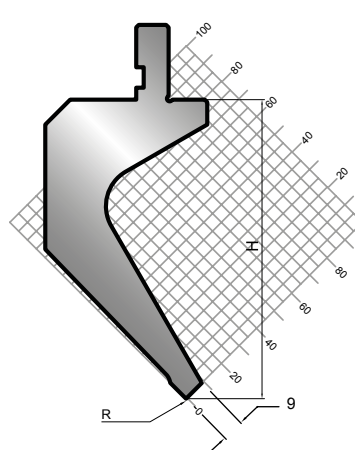
MOD.	R	H
S0040285	0,2	66,91
S0040685	0,6	66,4
S0040885	0,8	66,65
S0041585	1,5	66,34
S0043085	3	65,68

MOD.	R	H
S0050285	0,2	104,91
S0050685	0,6	104,4
S0050885	0,8	104,65
S0051585	1,5	104,34
S0053085	3	103,68



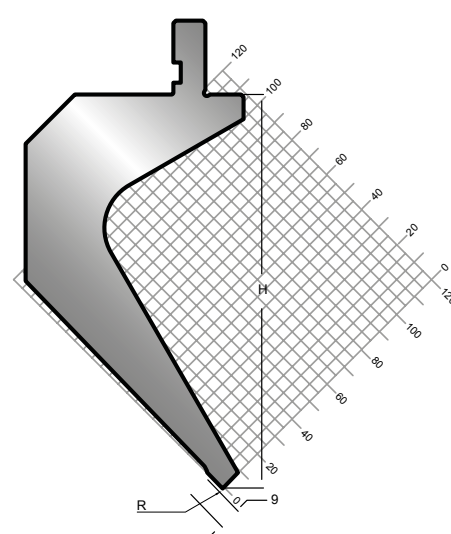
ton/m 50 L=835 - kg 35,00

HR	MOD.	R	H
	S47306	0,6	144,4
	S47308	0,8	145



ton/m 50 L=835 - kg 25,70

HR TH	MOD.	R	H
	S1836	0,2	119,91
	S1837	0,6	119,4
	S1825	0,8	119,65
	S1838	1,5	119,34
	S1835	3	118,68



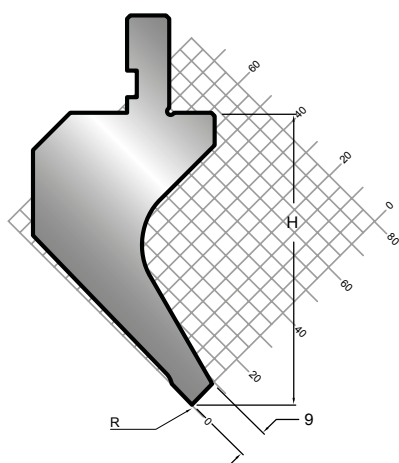
ton/m 50 L=835 - kg 40,70

HR	MOD.	R	H
	S47206	0,6	159,4
	S47208	0,8	159,65

HR	MOD.	R	H
	S4730685	0,6	144,4
	S4730885	0,8	145

HR TH	MOD.	R	H
	S2836	0,2	119,91
	S2837	0,6	119,4
	S2838	0,8	119,65
	S2839	1,5	119,34
	S2840	3	118,68

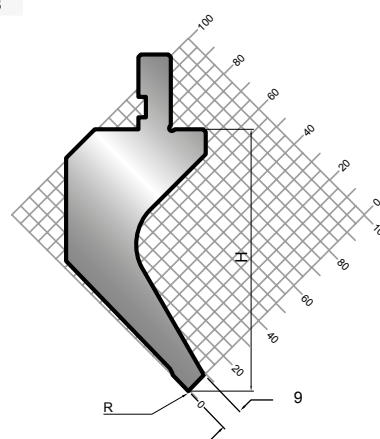
HR	MOD.	R	H
	S4720685	0,6	159,4
	S4720885	0,8	159,65



ton/m 70 L=835 - kg 19,50

HR TH	MOD.	R	H
	S4620288	0,2	89,91
	S4620688	0,6	89,4
	S4620888	0,8	89,65
	S4621588	1,5	89,34
	S4623088	3	88,68

IH	MOD.	R	H
	S28822	0,2	89,91
	S28823	0,6	89,40
	S28824	0,8	89,65
	S28825	1,5	89,34
	S28821	3	88,68



ton/m 50 L=835 - kg 22,20

HR TH	MOD.	R	H
	S0450288	0,2	104,91
	S0450688	0,6	104,4
	S0450888	0,8	104,65
	S0451588	1,5	104,34
	S0453088	3	103,68

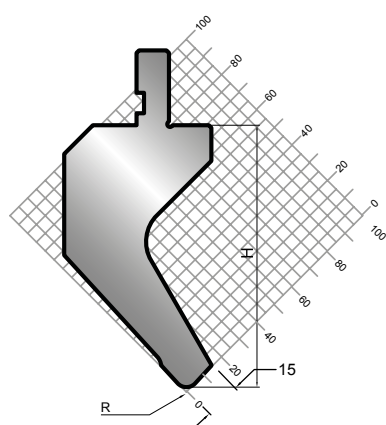
IH	MOD.	R	H
	S38844	0,2	104,91
	S28843	0,6	104,40
	S28844	0,8	104,65
	S28845	1,5	104,34
	S28841	3	103,68

HR TH	MOD.	R	H
	S4620285	0,2	89,91
	S4620685	0,6	89,4
	S4620885	0,8	89,65
	S4621585	1,5	89,34
	S4623085	3	88,68

IH	MOD.	R	H
	S38822	0,2	89,91
	S38823	0,6	89,40
	S38824	0,8	89,65
	S38825	1,5	89,34
	S38821	3	88,68

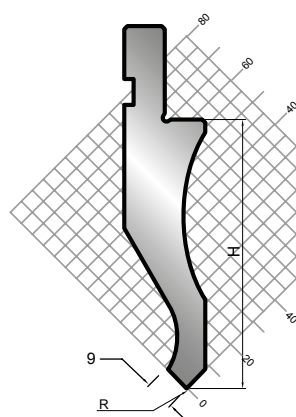
HR TH	MOD.	R	H
	S0450285	0,2	104,91
	S0450685	0,6	104,4
	S0450885	0,8	104,65
	S0451585	1,5	104,34
	S0453085	3	103,68

IH	MOD.	R	H
	S38841	0,2	104,91
	S38842	0,6	104,40
	S38840	0,8	104,65
	S38843	1,5	104,34
	S38845	3	103,68



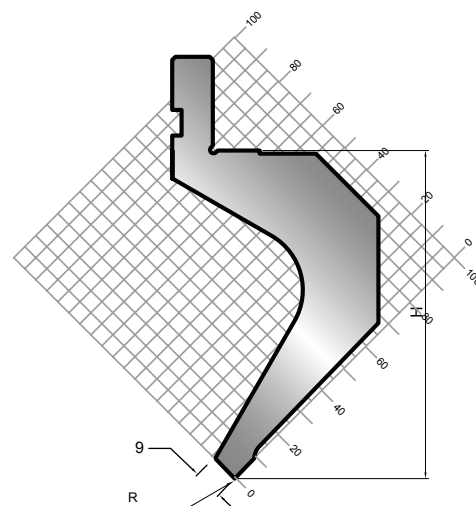
ton/m 100 L=835 - kg 26,00

MOD.	R	H
S1848	4,8	105



ton/m 50 L=835 - kg 11,30

MOD.	R	H
S2038	0,8	86



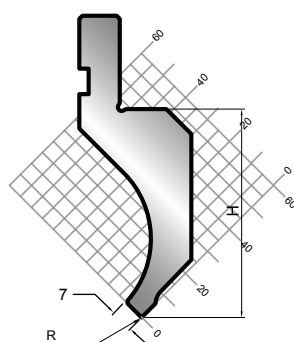
ton/m 30 L=835 - kg 26,00

MOD.	R	H
S2101	0,8	104,65

MOD.	R	H
S1864	6,4	104,33

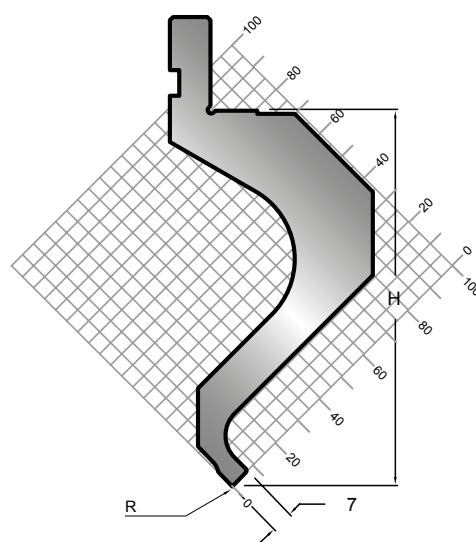
MOD.	R	H
S2039	0,8	86

MOD.	R	H
S2104	0,8	104,65



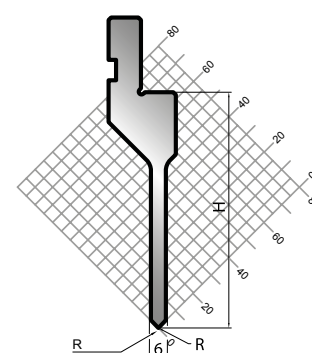
ton/m 60 L=835 - kg 10,20

MOD.	R	H
S2100	0,8	66,65



ton/m 40 L=835 - kg 21,50

MOD.	R	H
S2102	0,8	120



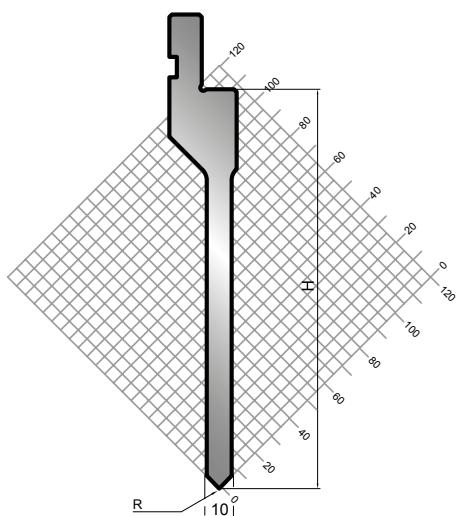
ton/m 50 L=835 - kg 9,00

MOD.	R	H
S2033	0,2	94,92
S2030	0,6	94,4
S2034	0,8	94,65

MOD.	R	H
S2103	0,8	66,65

MOD.	R	H
S2105	0,8	120

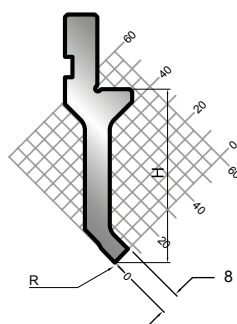
MOD.	R	H
S2035	0,2	94,92
S2036	0,6	94,4
S2037	0,8	94,65



ton/m 50 L=835 - kg 15,65

HR	88°		
MOD.	R	H	
S1130688	0,6	159,4	
S1130888	0,8	159,65	

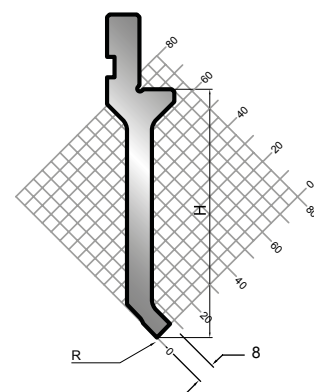
HR	85°		
MOD.	R	H	
S1130685	0,6	159,4	
S1130885	0,8	159,65	



ton/m 30 L=835 - kg 8,00

HR TH	88°		
MOD.	R	H	
S2000288	0,2	69,91	
S2000688	0,6	69,4	
S2000888	0,8	69,65	

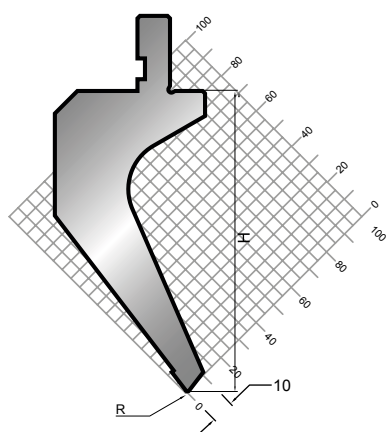
HR TH	85°		
MOD.	R	H	
S2000285	0,2	69,91	
S2000685	0,6	69,4	
S2000885	0,8	69,65	



ton/m 30 L=835 - kg 10,10

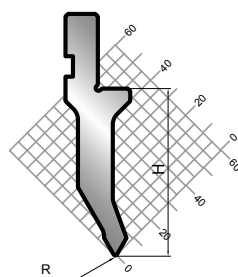
HR TH	88°		
MOD.	R	H	
S3007	0,2	99,91	
S2007	0,6	99,4	
S4007	0,8	99,65	

HR TH	85°		
MOD.	R	H	
S5007	0,2	99,91	
S6007	0,6	99,4	
S7007	0,8	99,65	



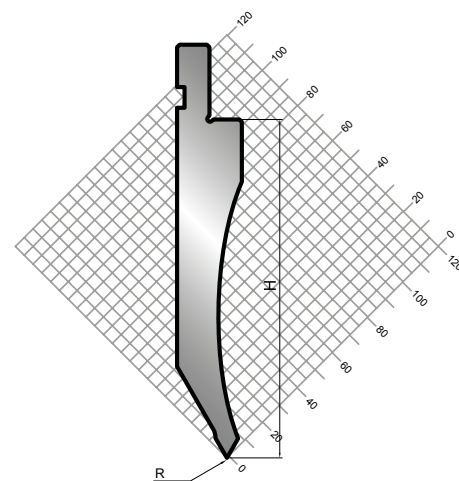
ton/m 50 L=835 - kg 25,70

HR	75°		
MOD.	R	H	
S047	0,8	120	



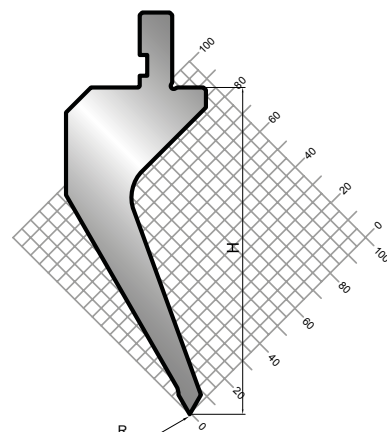
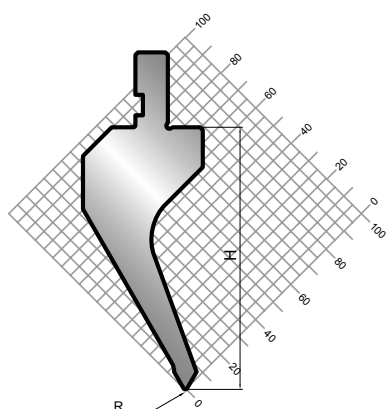
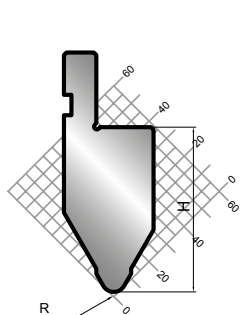
ton/m 100 L=835 - kg 8,70

IH	60°		
MOD.	R	H	
S2060	0,8	67	
S2062	2	65,8	



ton/m 100 L=835 - kg 17,70

HR	60°		
MOD.	R	H	
S1997	0,8	135	
S1998	2	133,8	



ton/m 100 L=835 - kg 15,30

HR		60°	
MOD.	R	H	
S003	4,8	66,2	
S003	6	65	

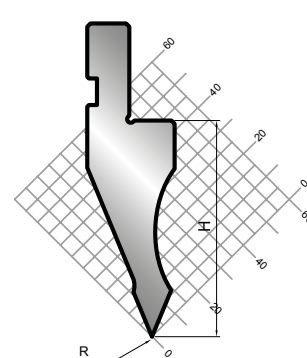
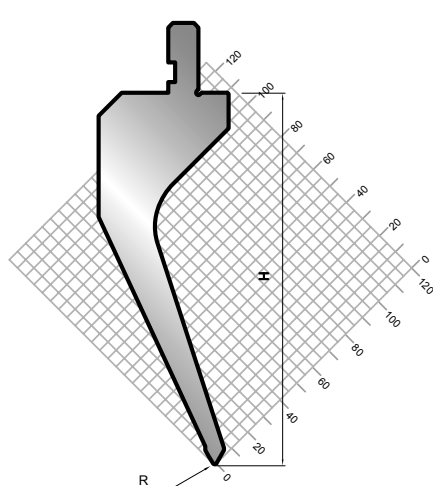
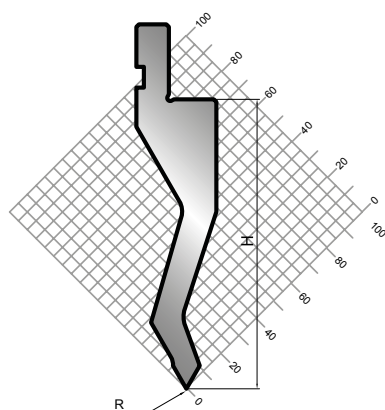
ton/m 60 L=835 - kg 18,50

HR		60°	
MOD.	R	H	
S2065	0,8	105	
S2069	2	103,8	

ton/m 60 L=835 - kg 22,80

HR		60°	
MOD.	R	H	
S2067	0,8	130	
S2070	2	128,8	

IH		60°	
MOD.	R	H	
S26011	6	65	



ton/m 60 L=835 - kg 18,50

HR		60°	
MOD.	R	H	
S2066	0,8	115	
S2071	2	113,8	

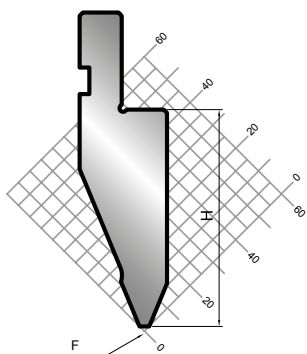
ton/m 60 L=835 - kg 27

HR		50°	
MOD.	R	H	
S2068	0,8	160	

ton/m 100 L=835 - kg 9,10

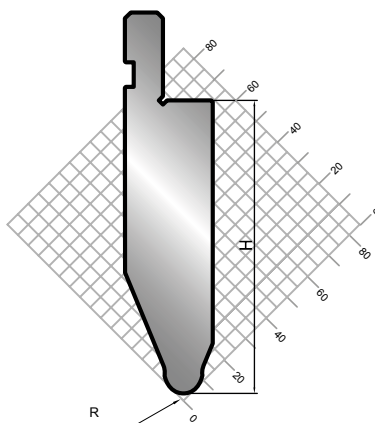
HR TH		45°	
MOD.	R	H	
S008	0,37	66,4	

IH		45°	
MOD.	R	H	
S20014	0,5	66,4	
S24511	1,5	65,2	



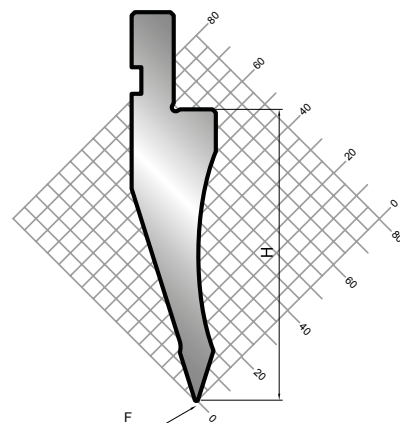
ton/m 100 L=835 - kg 10,00

HR 45°		
MOD.	F	H
S215	3	67



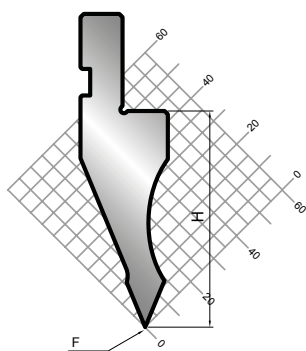
ton/m 100 L=835 - kg 19,40

IH 45°		
MOD.	R	H
S1960	6	100



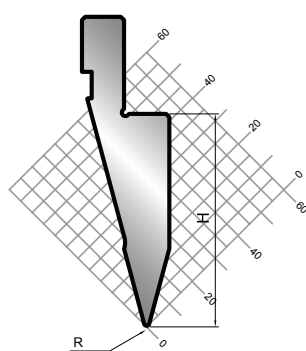
ton/m 100 L=835 - kg 11,80

HR IH 35°		
MOD.	F	H
S1543	0,8	90



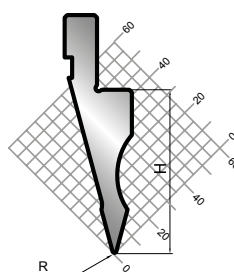
ton/m 100
L=835 - kg 9,80

IH 35°		
MOD.	F	H
S1545	0,8	67



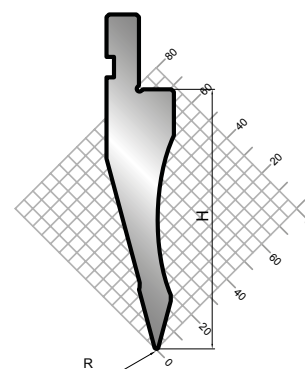
ton/m 100
L=835 - kg 8,50

HR TH 30°		
MOD.	R	H
S103	0,8	65,5



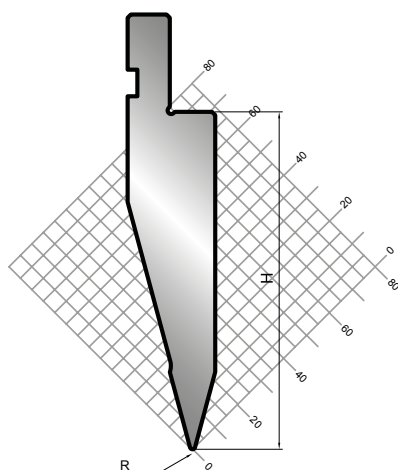
ton/m 100
L=835 - kg 7,70

HR TH 30°		
MOD.	R	H
S1380	0,8	65,5



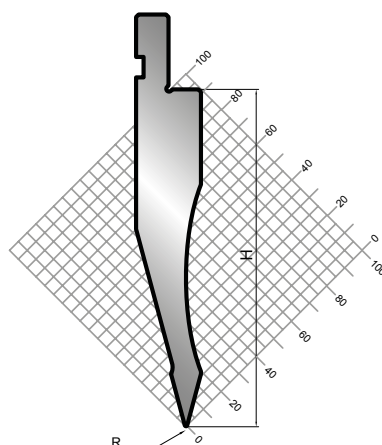
ton/m 100
L=835 - kg 14,00

HR TH 30°		
MOD.	R	H
S1319	0,8	104



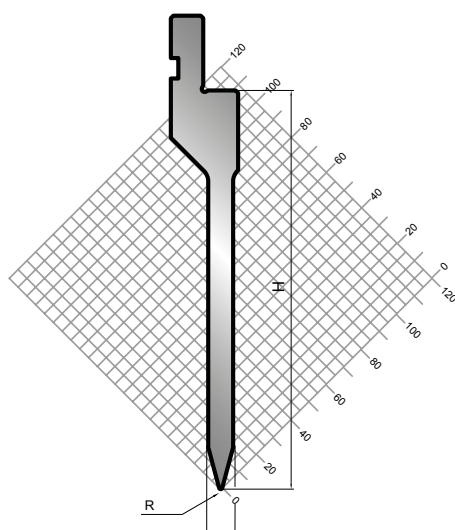
ton/m 100 L=835 - kg 15,00

HR TH	30°	
MOD.	R	H
S1580	0,65	104
S1589	0,8	104
S1590	1,5	102
S1591	3	97,7



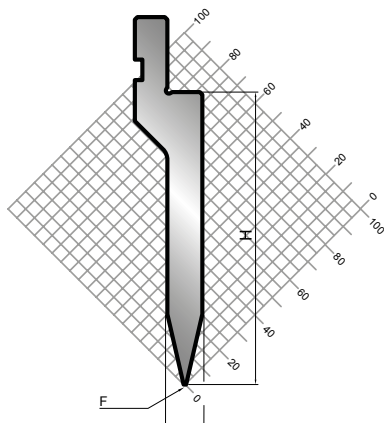
ton/m 100 L=835 - kg 17,70

HR	30°	
MOD.	R	H
S1996	0,5	135



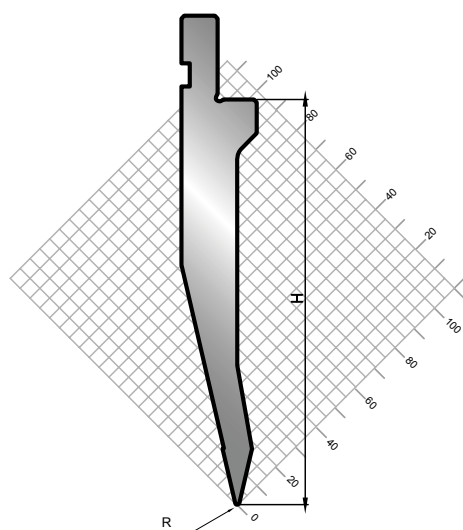
ton/m 50 L=835 - kg 15,60

HR	30°	
MOD.	R	H
S1586	0,65	160



ton/m 100 L=835 - kg 14,60

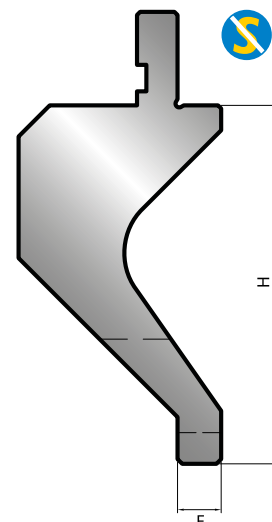
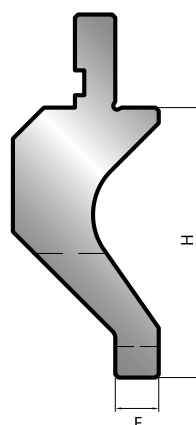
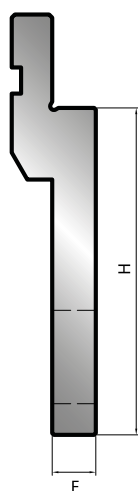
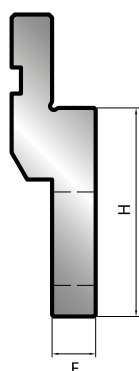
IH	26°	
MOD.	F	H
S1754	1	117



ton/m 100 L=835 - kg 17,50

HR	26°	
MOD.	R	H
S1756	0,8	145

PORTA PUNZONI / PUNCH HOLDER



ton/m 100 L=830 - kg 12,80

ton/m 100 L=830 - kg 12,80

ton/m 50 L=830 - kg 9,00

ton/m 50 L=830 - kg 12,00

IH

MOD.	F	H
S3078	14	67

IH

MOD.	f	H
S1872	14	105

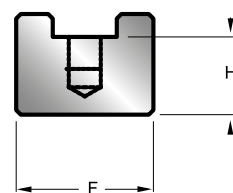
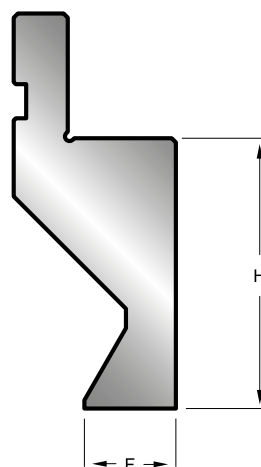
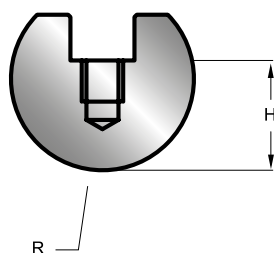
IH

MOD.	F	H
S1874	14	87

IH

MOD.	F	H
S1875	14	115

INSERTI TONDI E PUNZONI PIATTI / RADIUS RULERS AND FLATTENING PUNCHES



ton/m 100

ton/m 100 L=835 - kg 13,40

ton/m 100 L=835 - kg 3,90

IH

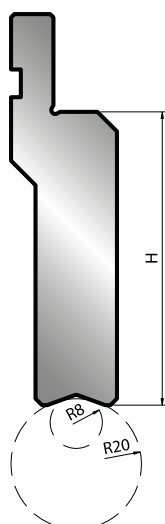
MOD.	R	H	L=835
S083079	8	13	kg 2
S083079	10	16	kg 2
S083079	12,5	18	kg 2,80
S083079	15	20	kg 3,90
S083079	17,5	22	kg 5,30
S083079	20	24	kg 6,60
S083079	25	29	kg 10
S083079	30	34	kg 13,60
S083079	35	45	kg 20,30
S083079	40	45	kg 13,60
S083079	45	60	kg 34
S083079	50	70	kg 43,50

IH

MOD.	F	H
S1523	23	65

IH

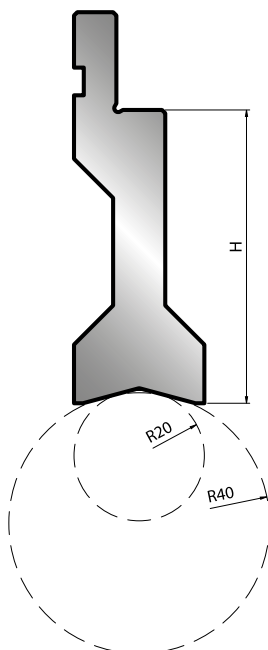
MOD.	F	H
S3081	30	17



L=834 - kg 17,60

IH

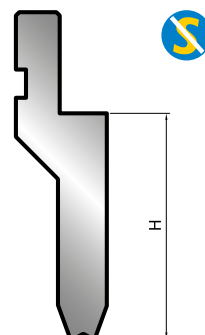
MOD.	H
S4045	90



L=834 - kg 16,80

IH

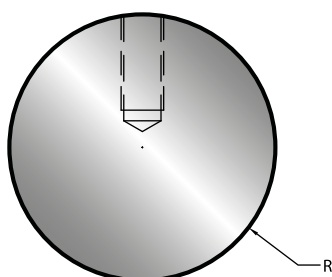
MOD.	H
S4055	90



L=830 - kg 9,60

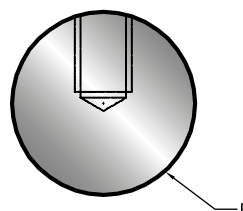
IH

MOD.	H
S4065	67



IH

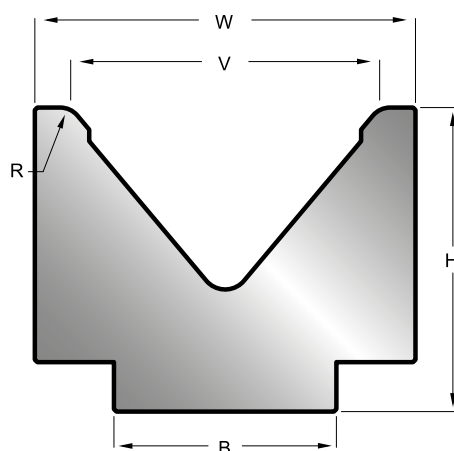
MOD.	R	L=835
S084019	8	kg 0,80
S184019	10	kg 1,30
S1254019	12,5	kg 2
S154019	15	kg 3
S1754019	17,5	kg 4
S204019	20	kg 5,20
S254019	25	kg 8,10
S304019	30	kg 11,70
S354019	35	kg 16
S404019	40	kg 20,70



IH

MOD.	R	L=835
S034029	3	kg 0,20
S354029	3,5	kg 0,20
S044029	4	kg 0,35
S454029	4,5	kg 0,50
S054029	5	kg 0,60
S554029	5,5	kg 0,70
S064029	6	kg 0,80
S654029	6,5	kg 1
S074029	7	kg 1
S754029	7,5	kg 1





L'utensile non è sezionabile in modo standard.
The tool can't be sectioned in the standard way.

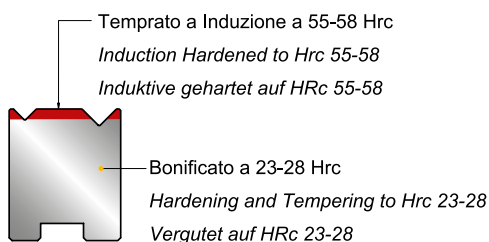


Contattateci per ulteriori chiarimenti.
Please contact us for any clarification.



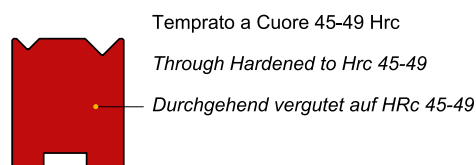
Trattamento ideale
per piegare la lamiera zincata e l'acciaio inox.
Ideal treatment
to bend the galvanized steel and the stainless steel.

Schiavi HR

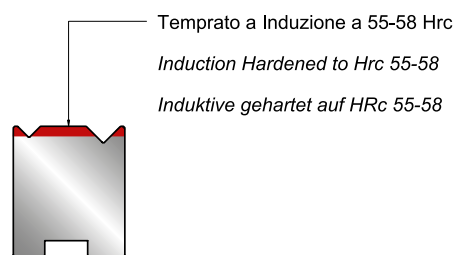


Schiavi TH

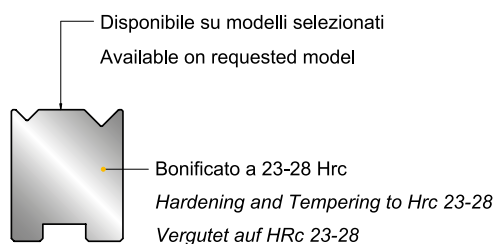
Su ordinazione anche nella variante GOLD
Available in GOLD style



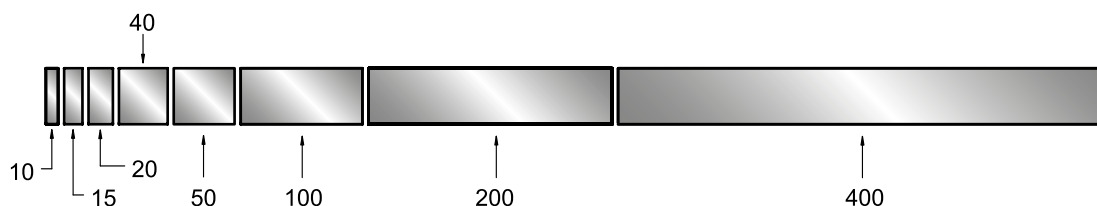
Schiavi IH

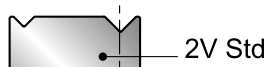


Su ordinazione anche nella variante GOLD
Available in GOLD style

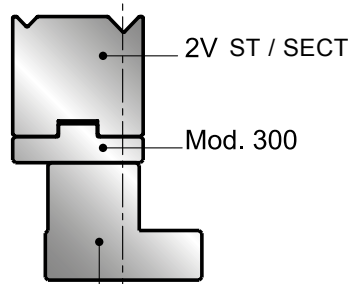


Lunghezza standard - Standard length - Standardlängen 835 mm - 415 mm - 835 mm sect.

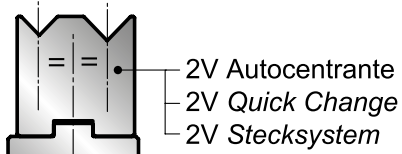




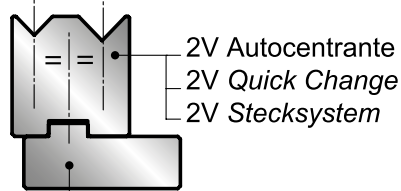
Mod. S450434
Mod. S450455
Mod. S450439
Mod. S450445
Mod. S450475



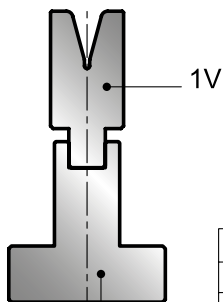
Mod. S450434
Mod. S450455
Mod. S450439
Mod. S450445
Mod. S450475



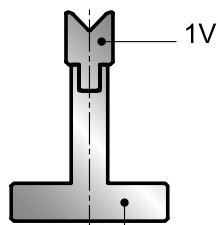
Mod. S450434
Mod. S450455
Mod. S450439
Mod. S450445
Mod. S450475



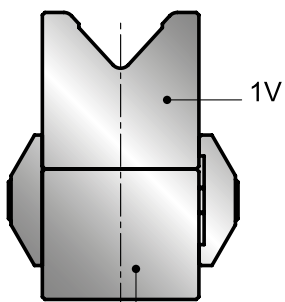
Mod. 400



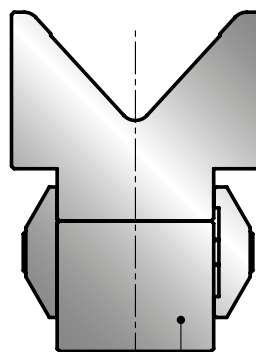
Mod. S3030
Mod. S54615
S80 - S81 Reg.
S80 - S81 Fix.
S82 - S83 Fix.



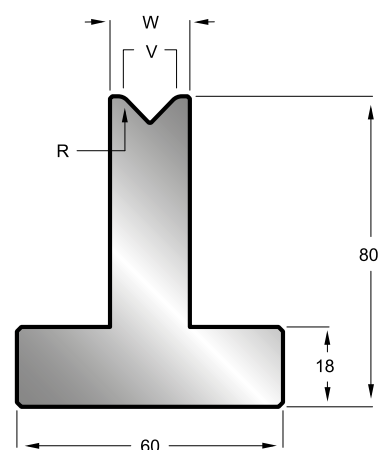
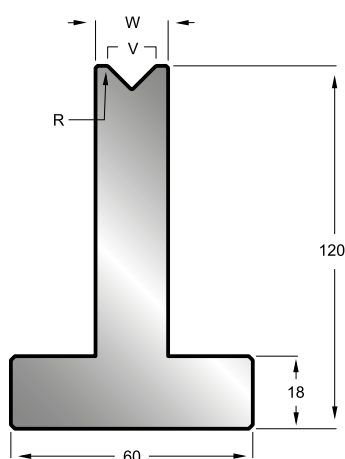
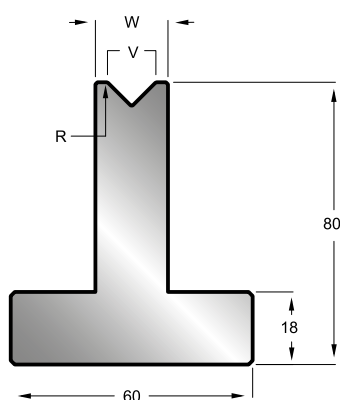
Mod. S090
Mod. S091
Mod. S092



JAO5575V0722



JAO5575V0722



HR 90°

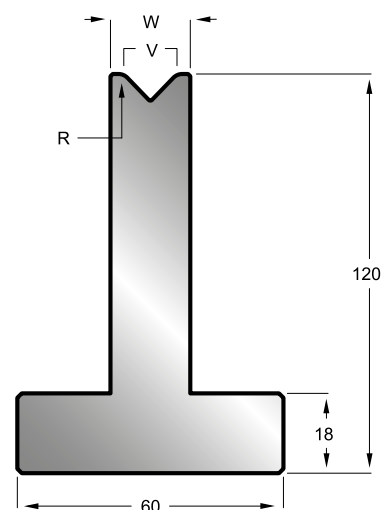
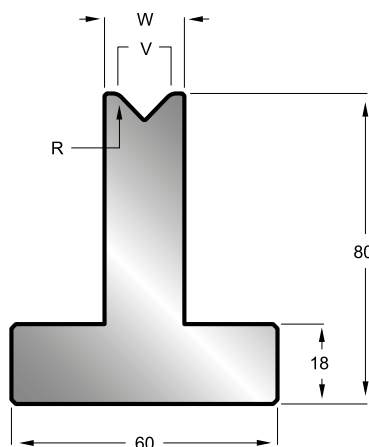
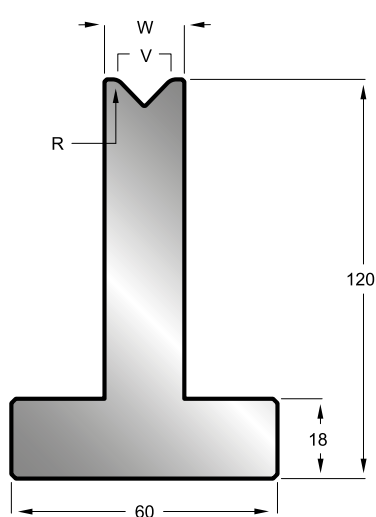
MOD.	V	R	W	ton/m	L=835
S0632T	6	0,4	14	100	kg 12,70
S0637T	8	0,5	14	80	kg 12,70
S0629T	10	0,6	18	100	kg 14,50
S0643T	12	0,8	18	80	kg 14,30
S0644T	16	1	24	100	kg 16,40

HR 90°

MOD.	V	R	W	ton/m	L=835
S1100T	6	0,4	14	100	kg 15,90
S1101T	8	0,5	14	80	kg 15,90
S1102T	10	0,6	18	100	kg 18
S1103T	12	0,8	18	80	kg 18
S1104T	16	1	24	100	kg 22,50

HR 88°

MOD.	V	R	W	ton/m	L=835
S0670T	6	0,4	14	100	kg 12,70
S0671T	8	0,5	14	80	kg 12,70
S0672T	10	0,6	18	100	kg 14,50
S0673T	12	2,75	18	80	kg 14,30
S0648T	16	2,75	24	100	kg 16,40
S0674T	20	3,0	30	100	kg 18,40
S0675T	25	3,0	35	100	kg 18,30



HR 88°

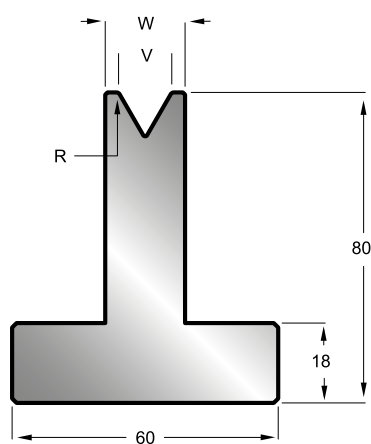
MOD.	V	R	W	ton/m	L=835
S1105T	6	0,4	14	100	kg 15,90
S1106T	8	0,5	14	80	kg 15,80
S1107T	10	0,6	18	100	kg 18
S1108T	12	2,75	18	80	kg 18,80
S1109T	16	2,75	24	100	kg 22,50
S1110T	20	3,0	30	100	kg 26
S1111T	25	3,0	35	100	kg 29,50

HR 85°

MOD.	V	R	W	ton/m	L=835
S0770T	6	1,5	14	100	kg 13
S0771T	8	1,5	14	80	kg 13
S0772T	10	2,0	18	100	kg 15
S0773T	12	2,75	18	80	kg 15
S0774T	16	2,75	24	100	kg 17,50
S0775T	20	3,0	30	100	kg 19
S0776T	25	3,0	35	100	kg 20

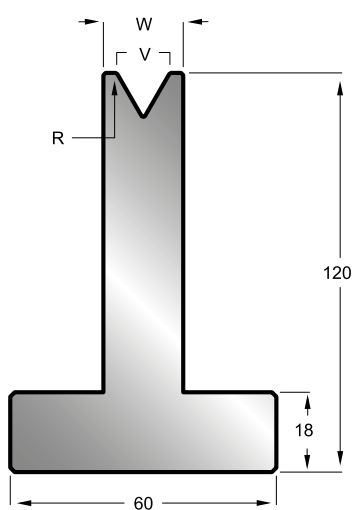
HR 85°

MOD.	V	R	W	ton/m	L=835
S1205T	6	1,5	14	100	kg 16,50
S1206T	8	1,5	14	80	kg 19
S1207T	10	2,0	18	100	kg 19
S1208T	12	2,75	18	80	kg 17
S1209T	16	2,75	24	100	kg 22
S1210T	20	3,0	30	100	kg 27
S1211T	25	3,0	35	100	kg 30



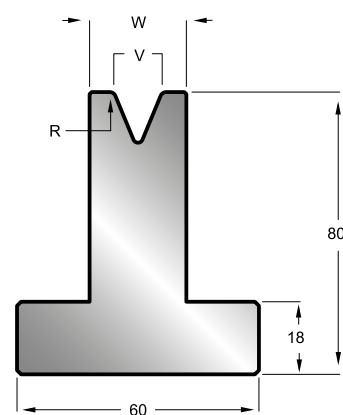
ton/m 60

MOD.	V	R	W	L=835
S0650T	6	0,4	14	kg 12,70
S0651T	8	0,5	14	kg 12,70
S0652T	10	0,6	18	kg 14,50
S0653T	12	0,8	18	kg 14,20
S0647T	16	3,0	24	kg 16,30
S0654T	20	3,0	30	kg 18,30
S0655T	25	3,0	35	kg 19,20



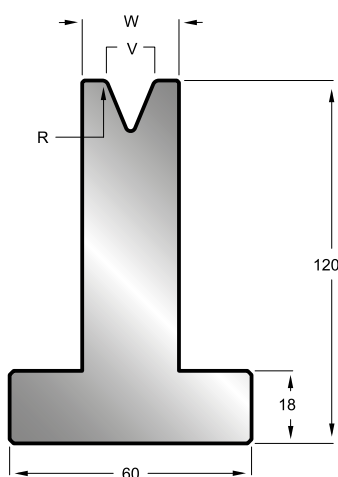
ton/m 60

MOD.	V	R	W	L=835
S1113T	6	0,4	14	kg 15,80
S1114T	8	0,5	14	kg 15,90
S1115T	10	0,6	18	kg 18
S1116T	12	0,8	18	kg 18,40
S1117T	16	3,0	24	kg 22,30
S1118T	20	3,0	30	kg 25,80
S1119T	25	3,0	35	kg 28



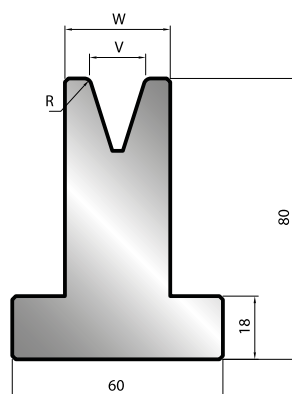
ton/m 50

MOD.	V	R	W	L=835
S1070T	6	0,6	14	kg 12,52
S1071T	8	0,8	18	kg 14
S1072T	10	1,0	18	kg 14
S1073T	12	1,5	24	kg 16,20
S1074T	16	2,0	24	kg 16
S1075T	20	2,5	30	kg 17,56
S1076T	25	3,0	35	kg 18,80

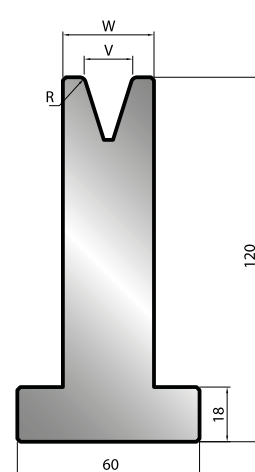


ton/m 50

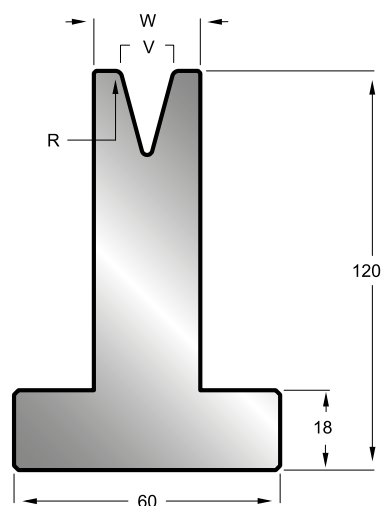
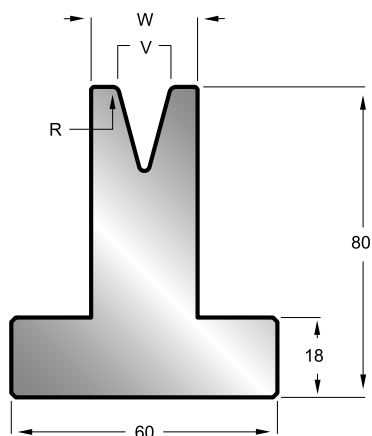
MOD.	V	R	W	L=835
S1121T	6	0,6	14	kg 17
S1122T	8	0,8	18	kg 19
S1123T	10	1,0	18	kg 20
S1124T	12	1,5	24	kg 22
S1125T	16	2,0	24	kg 23
S1126T	20	2,5	30	kg 25
S1127T	25	3,0	35	kg 26,50



MOD.	V	R	W	ton/m	L=835
S0727T	6	0,6	14	35	kg 12,52
S0728T	8	0,8	14	35	kg 13,98
S0729T	10	1,0	18	40	kg 16,19
S0730T	12	1,5	18	40	kg 15,92
S0731T	16	2,0	30	45	kg 17
S0732T	20	2,5	35	50	kg 18
S0733T	25	3,0	40	50	kg 20

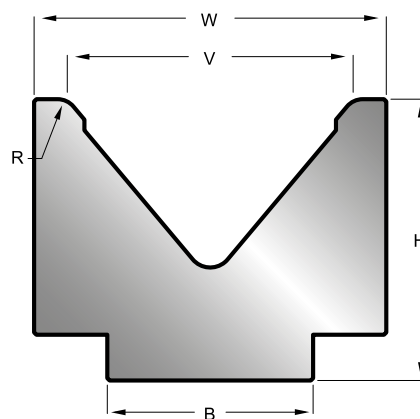
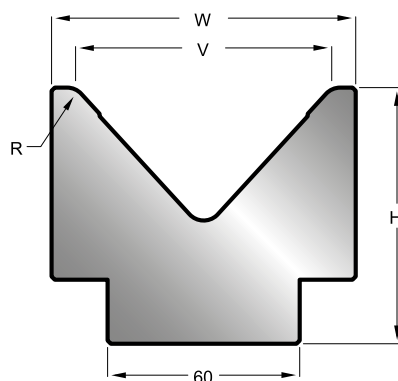
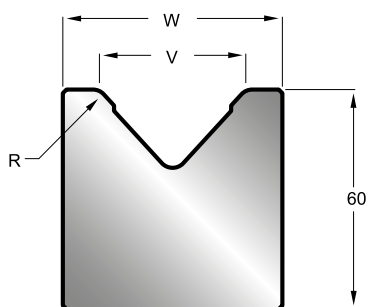


MOD.	V	R	W	ton/m	L=835
S1727T	6	0,6	14	35	kg 16
S1728T	8	0,8	14	35	kg 18
S1729T	10	1,0	18	40	kg 19
S1730T	12	1,5	18	40	kg 21
S1731T	16	2,0	30	45	kg 25,50
S1732T	20	2,5	35	50	kg 28
S1733T	25	3,0	40	50	kg 26



HR	MOD.	30° V	R	W	ton/m	L=835
	S1080T	6	0,6	14	35	kg 12,52
	S1081T	8	0,8	18	35	kg 13,98
	S1082T	10	1,0	24	50	kg 16,19
	S1083T	12	1,5	24	40	kg 15,92
	S1084T	16	2,0	30	45	kg 17,79
	S1085T	20	2,5	35	50	kg 18,94
	S1086T	25	3,0	40	50	kg 19,59

HR	MOD.	30° V	R	W	ton/m	L=835
	S1129T	6	0,6	14	35	kg 16,20
	S1130T	8	0,8	18	35	kg 18
	S1131T	10	1,0	24	50	kg 21,80
	S1132T	12	1,5	24	40	kg 22,20
	S1133T	16	2,0	30	45	kg 25
	S1134T	20	2,5	35	50	kg 28
	S1135T	25	3,0	40	50	kg 30



ton/m 100

ton/m 100

ton/m 100

IH **85°**

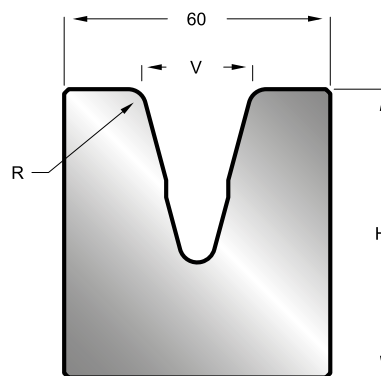
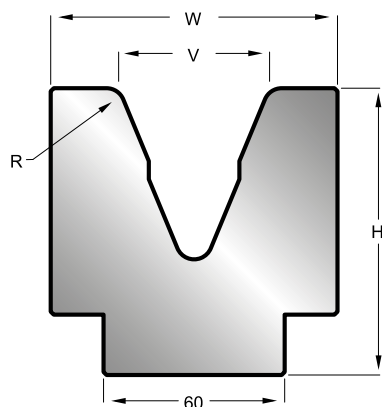
MOD.	V	R	L=835
S003200M	32	4	kg 21,60
S004000M	40	4	kg 20,50
S005000M	50	4	kg 18,80

IH **85°- 60°**

MOD.	A	V	R	W	H	L=835
S006300M	85°	63	5	80	75	kg 29,20
S008000M	85°	80	6	95	95	kg 43
S80060M	60°	80	6	115	115	kg 53

IH **80°**

MOD.	V	B	R	W	H	L=835
S010000M	100	60	7	120	110	kg 58,50
S012500M	125	90	9	153	123	kg 82
S016000M	160	90	11	185	130	kg 100



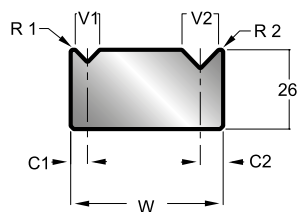
ton/m 60

IH **45°**

MOD.	V	R	W	H	ton/m	L=835
S32045M	32	5	60	60	40	kg 19,20
S40045M	40	5	80	80	70	kg 32,10
S50045M	50	6	95	95	70	kg 43,70
S63045M	63	8	105	105	90	kg 51,16

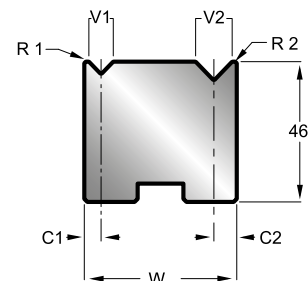
HR **30°**

MOD.	V	R	H	ton/m	L=835
S340030	18	3,0	60	80	kg 21,50
S341030	25	4,0	65	60	kg 21,60



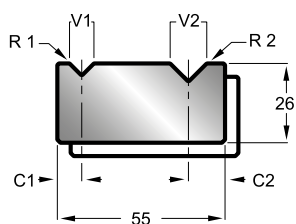
HRTH		90°									
MOD.	V1	V2	R1	R2	C1	C2	W	ton/m	L=835		
S12190	4	7	0,4	0,4	3,5	5,0	50	60	kg 8,40		
S12390	6	10	0,4	0,6	4,5	6,5	50	70	kg 8,30		
S12490	8	12	0,5	0,8	5,5	7,5	50	80	kg 8,20		
S12590	14	18	0,5	0,5	8,5	10,5	50	100	kg 7,70		
S31190	6	10	1,5	2,5	6,0	10,0	50	80	kg 9,20		

Supporti - Die Holder - Halter
Mod S450434/S450475



HRTH		90°									
MOD.	V1	V2	R1	R2	C1	C2	W	ton/m	L=835		
S3014090	4	7	0,4	0,4	3,5	5,0	50	60	kg 14,40		
S3024090	6	10	0,4	0,6	4,5	6,5	50	70	kg 14,30		
S3034090	8	12	0,5	0,8	5,5	7,5	50	80	kg 14,20		
S3044090	14	18	0,5	0,5	8,5	10,5	50	100	kg 13,60		
S3114690	6	10	1,5	2,5	6,0	10,0	50	80	kg 15		

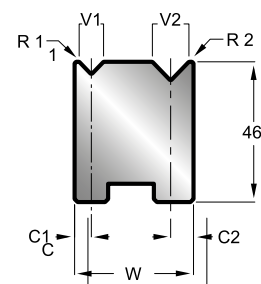
Supporti - Die Holder - Halter Mod S450434/S450475
Guida - Die Rail - Matrizen Halter - Mod. 300



ton/m 100

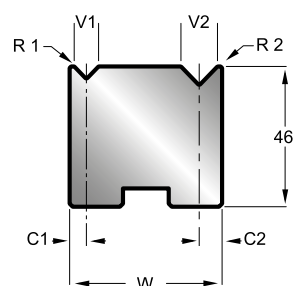
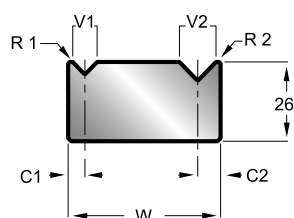
IH		90°									
MOD.	V1	V2	R1	R2	C1	C2	L=835				
S040790M	6	10	0,4	0,6	6,0	10	kg 9,10				
S081290M	8	12	0,5	0,8	8,0	10	kg 9				

Supporti - Die Holder - Halter
Mod S450434/S450475



HRTH		90°									
MOD.	V1	V2	R1	R2	C1	C2	W	ton/m	L=835		
S501900M	4	7	0,4	0,4	3,5	5,0	34,5	60	kg 9,60		
S502900M	6	10	0,4	0,6	4,5	6,5	37	70	kg 10,20		
S503900M	8	12	0,5	0,8	5,5	7,5	39	80	kg 10,70		
S504900M	14	18	0,5	0,5	8,5	10,5	45	100	kg 12		
S511900M	6	10	1,5	2,5	6,0	10,0	40	80	kg 11,20		

Supporti - Die Holder - Halter Mod S450434/S450475
Guida - Die Rail - Matrizen Halter - Mod. 300

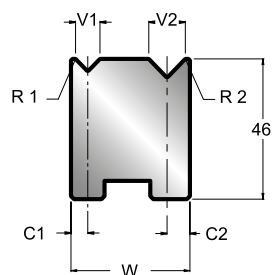
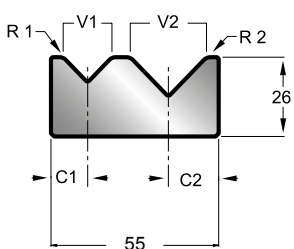


MOD.	V1	V2	R1	R2	C1	C2	W	ton/m	L=835
S12188	4	7	0,4	0,4	3,5	5,0	50	60	kg 8,40
S12388	6	10	0,4	0,6	4,5	6,5	50	70	kg 8,30
S12488	8	12	0,5	0,8	5,5	7,5	50	80	kg 8,20
S12588	14	18	0,5	0,5	8,5	10,5	50	100	kg 7,70
S12688	12	20	0,5	0,5	7,5	12,0	50	100	kg 7,60
S12788	16	25	0,8	0,8	9,5	14,5	50	100	kg 7
S31188	6	10	1,5	2,5	6,0	10,0	55	80	kg 9,20
S31488	12	20	3,0	4,0	10,0	15,0	55	100	kg 8,50

MOD.	V1	V2	R1	R2	C1	C2	W	ton/m	L=835
S3014088	4	7	0,4	0,4	3,5	5,0	50	60	kg 14,40
S3024088	6	10	0,4	0,6	4,5	6,5	50	70	kg 14,30
S3034088	8	12	0,5	0,8	5,5	7,5	50	80	kg 14,20
S3044088	14	18	0,5	0,5	8,5	10,5	50	100	kg 13,60
S3054088	12	20	0,5	0,5	7,5	12,0	50	100	kg 13,60
S3064088	16	25	0,8	0,8	9,5	14,5	50	100	kg 13
S3114688	6	10	1,5	2,5	6,0	10,0	55	80	kg 15
S3144088	12	20	3,0	4,0	10,0	15,0	55	100	kg 14,85

Supporti - Die Holder - Halter
Mod S450434/S450475

Supporti - Die Holder - Halter Mod S450434/S450475
Guida - Die Rail - Matricen Halter - Mod. 300



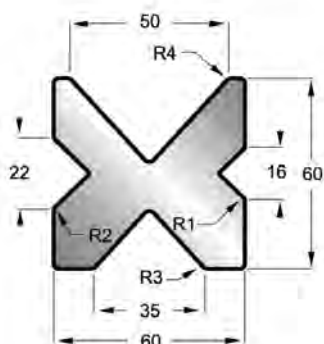
ton/m 100

MOD.	V1	V2	R1	R2	C1	C2	L=835
S122088M	12	20	2,75	3,0	10,0	15	kg 8,30
S162588M	16	25	2,75	3,0	12,0	16,5	kg 7,80

MOD.	V1	V2	R1	R2	C1	C2	W	ton/m	L=835
S501880M	4	7	0,4	0,4	3,5	5,0	34,5	60	kg 9,60
S502880M	6	10	0,4	0,6	4,5	6,5	37	70	kg 10,20
S503880M	8	12	0,5	0,8	5,5	7,5	39	80	kg 10,70
S504880M	14	18	0,5	0,5	8,5	10,5	45	100	kg 12
S505880M	12	20	0,5	0,5	7,5	12,0	45,5	100	kg 12,10
S506880M	16	25	0,8	0,8	9,5	14,5	50	100	kg 13
S507880M	6	10	1,5	2,5	6,0	10,0	40	80	kg 11,10
S508880M	12	20	3,0	4,0	10,0	15,0	50	100	kg 13,45

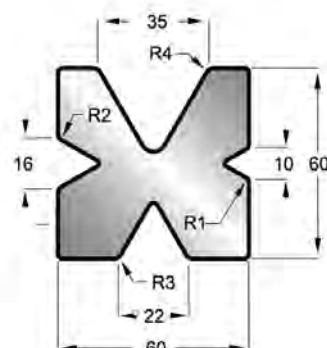
Supporti - Die Holder - Halter
Mod S450434/S450475

Supporti - Die Holder - Halter Mod S450434/S450475
Guida - Die Rail - Matricen Halter - Mod. 300



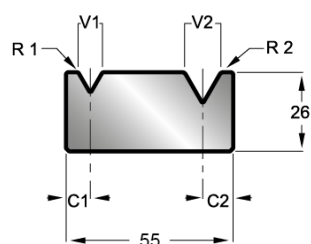
IH **88°- 85°**

MOD.	A	R1	R2	R3	R4	ton/m	L=835
S4V8588M	88-85	0,5	0,5	2,0	2,0	100	kg 15,70
S4V800M	85	2,0	2,0	2,0	3,0	100	kg 15,70



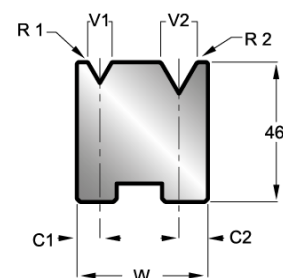
IH **60°**

MOD.	A	R1	R2	R3	R4	ton/m	L=835
S4V600M	60	1,5	2,0	2,5	3,0	100	kg 17,75



HRTH **60°**

MOD.	V1	V2	R1	R2	C1	C2	W	ton/m	L=835
S061060M	6	10	0,4	0,6	6,0	10,0	55	100	kg 8,40
S081260M	8	12	0,4	0,8	8,0	10,0	55	100	kg 8,30
S062060M	16	20	1,6	2,0	12,0	15,0	55	100	kg 8,20

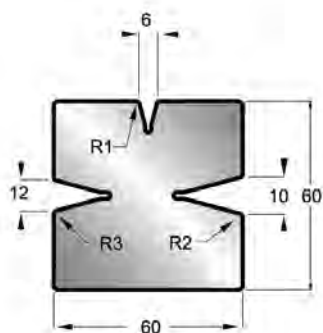


HRTH **60°**

MOD.	V1	V2	R1	R2	C1	C2	W	ton/m	L=835
S502600M	6	10	0,6	1,0	6,0	8,5	41	60	kg 10,20
S503600M	8	12	0,8	1,2	7,5	9,5	43	60	kg 10,70
S50460M	16	25	1,6	2,5	12,0	17,0	55	60	kg 12,95

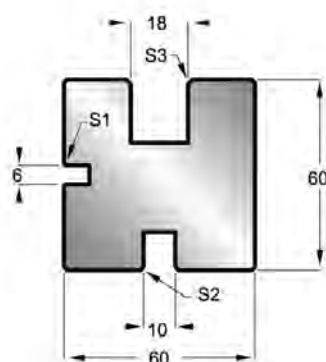
Supporti - Die Holder - Halter
Mod S450434/S450475

Supporti - Die Holder - Halter Mod S450434/S450475
Guida - Die Rail - Matricen Halter - Mod. 300



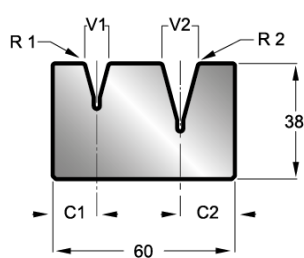
IH 30°

MOD.	A	R1	R2	R3	ton/m	L=835
S3V2410M	30	1,0	1,0	1,5	80	kg 21,90



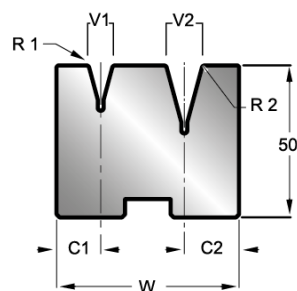
IH 30°

MOD.	A	R1	R2	R3	ton/m	L=835
S000110M	90	0,5	1,0	1,5	100	kg 20,00



IH 30°

MOD.	V1	V2	R1	R2	C1	C2	W	ton/m	L=835
S337300M	8	12	1	1	14,5	18,0	60	30	kg 8,30

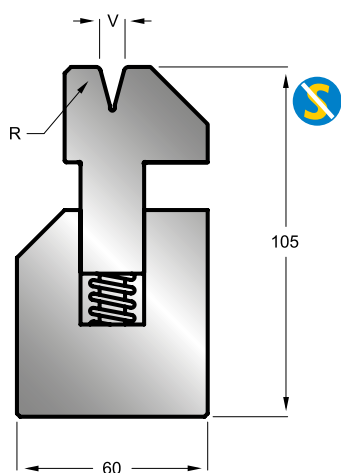


HRTH 30°

MOD.	V1	V2	R1	R2	C1	C2	W	ton/m	L=835
S337560M	6	10	1	1	9,0	15	50	30	kg 15
S337580M	8	12	1	1	14,5	18	58,5	30	kg 17,20

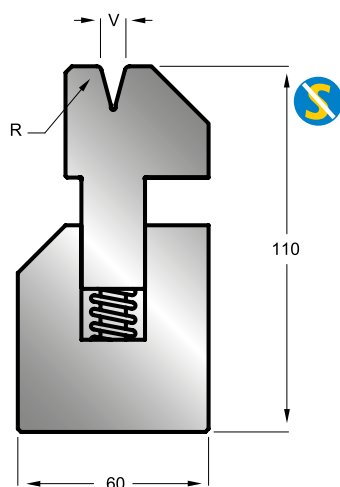
Supporti - Die Holder - Halter
Mod S450434/S450475

Supporti - Die Holder - Halter Mod S450434/S450475
Guida - Die Rail - Matricen Halter - Mod. 300



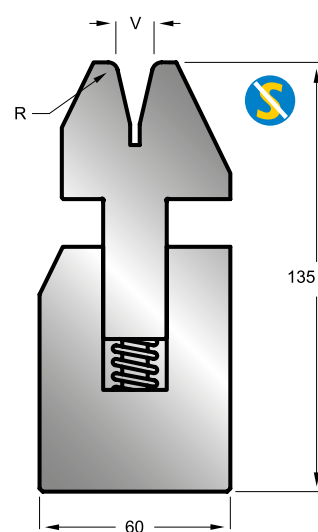
ton/m 60 L=835 - kg 30,70

HR	MOD.	V	R
	S105100S	6	1
	S105400S	8	2



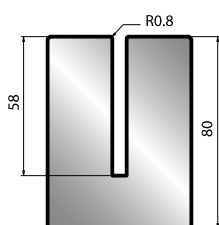
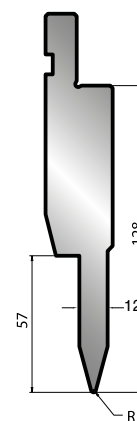
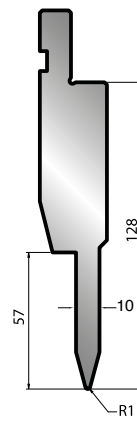
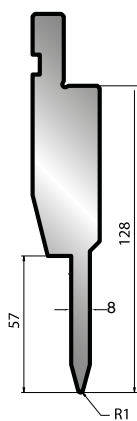
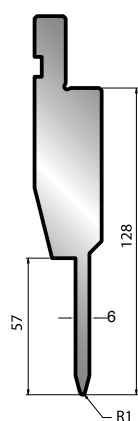
ton/m 80 L=835 - kg 30,00

HR	MOD.	V	R
	S105000S	8	1,5



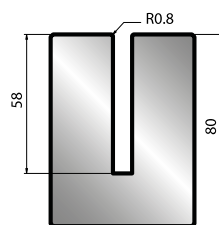
ton/m 100 L=835 - kg 41,70

HR	MOD.	V	R
	S104800S	10	1,5
	S104900S	12	3,0



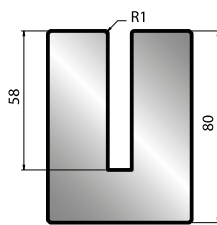
L=835 - kg 46

HR	MOD.	V
	SPV906	6



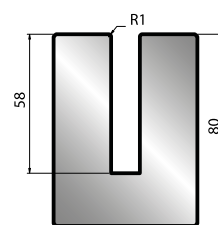
L=835 - kg 46

HR	MOD.	V
	SPV908	8



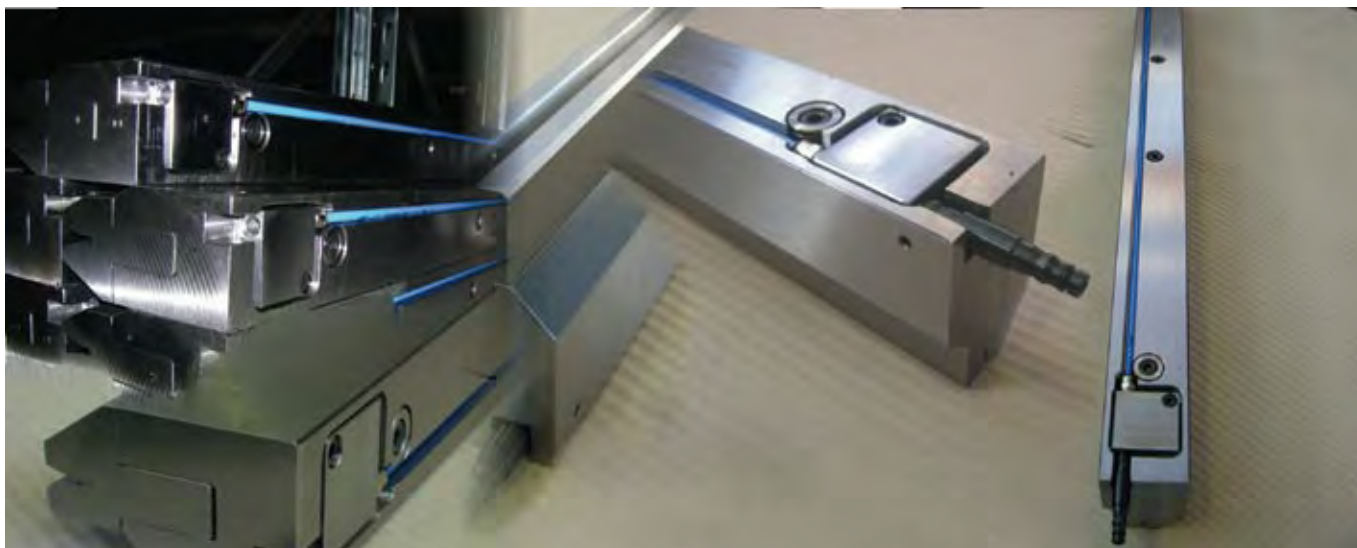
L=835 - kg 46

HR	MOD.	V
	SPV910	10



L=835 - kg 46

HR	MOD.	V
	SPV912	12



T0152500008



	V	A	R	H aperto/open	Max T/M
S0993	10	26°	1,5	135	100
S0996	6	35°	1	105	80
S0975	12	26°	3	135	100
S1164	8	30°	1,5	110	80



Tabella di piegatura - Bending scheme

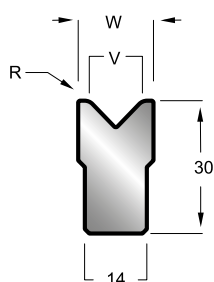
Acc. R.45 Kg/mm²

S mm	A mm	Ton /M	2xS	Ton /M
0,6	3	9	1,2	23
0,8	3	12	1,6	32
1	3,5	15	2	40
1,25	3,5	17	2,5	50
1,5	4,6	22	3	63
2	5,5	30	4	80
2,5	6,5	55	5	90
3	8	70	6	100

Acc. R.70 Kg/mm²

S mm	A mm	Ton /M	2xS	Ton /M
0,6	3	15	1,2	35
0,8	3	20	1,6	50
1	3,5	25	2	60
1,25	3,5	26	2,5	80
1,5	4,6	38	3	95
2	5,5	50	4	130

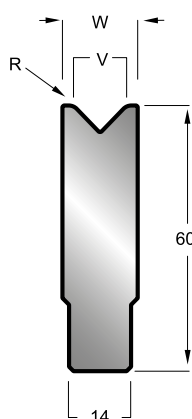
MATRICI MONOCAVA CON SUPPORTO



ton/m 95

MOD.	V	R	W	L=835
S211090	6	1,5	14	kg 2,60
S211190	8	1,5	14	kg 2,60
S211290	10	2,0	14	kg 2,60
S211390	12	2,5	18	kg 3,10

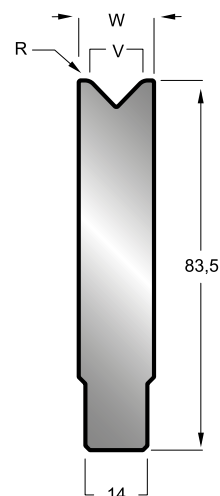
Supporti - Die Holder - Halter
Mod S3030 S56615 S80-S81Reg S80-S81Fix S82-S83Fix



ton/m 95

MOD.	V	R	W	L=835
S1V0690	6	1,5	14	kg 5,40
S1V0890	8	1,5	14	kg 5,30
S1V1090	10	2,0	15	kg 5,60
S1V1290	12	2,5	17	kg 6,10

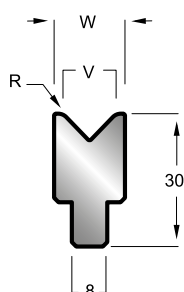
Supporti - Die Holder - Halter
Mod S3030 S56615 S80-S81Reg S80-S81Fix S82-S83Fix



ton/m 95

MOD.	V	R	W	L=835
S210090	6	1,5	14	kg 7,60
S210190	8	1,5	14	kg 7,60
S210290	10	2,0	14	kg 7,60
S210390	12	2,5	17	kg 8,80

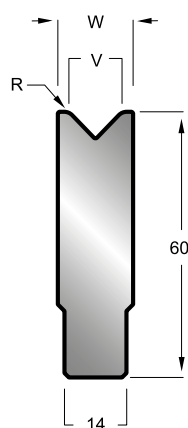
Supporti - Die Holder - Halter
Mod S3030 S56615 S80-S81Reg S80-S81Fix S82-S83Fix



ton/m 95

MOD.	V	R	W	L=835
S042090	6	1,5	14	kg 2,20
S042190	8	1,5	14	kg 2,20
S042290	10	2,0	16	kg 2,20
S042390	12	2,5	16	kg 2,20

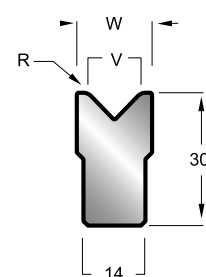
Supporti - Die Holder - Halter
Mod S090 S091 S092



ton/m 95

MOD.	V	R	W	L=835
S1V0688	6	1,5	14	kg 5,40
S1V0888	8	1,5	14	kg 5,30
S1V1088	10	2,0	15	kg 5,60
S1V1288	12	2,5	17	kg 6,10
S1V1488	14	2,5	18	kg 6,30
S1V1688	16	2,5	21	kg 7
S1V1888	18	3,0	23	kg 7,40
S1V2088	20	3,0	25	kg 7,80
S1V2588	25	3,0	30	kg 8,70

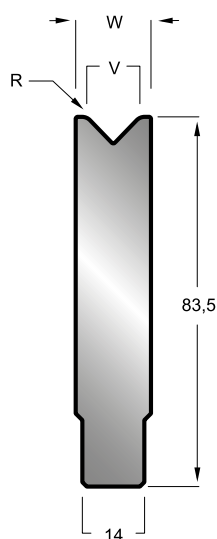
Supporti - Die Holder - Halter
Mod S3030 S56615 S80-S81Reg S80-S81Fix S82-S83Fix



ton/m 95

MOD.	V	R	W	L=835
S211488	10	2,0	14	kg 3,10
S211588	12	2,5	17	kg 3,10
S211688	14	2,5	18	kg 3,10

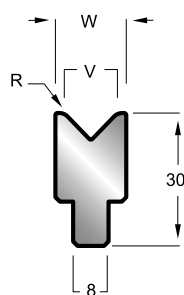
Supporti - Die Holder - Halter
Mod S3030 S56615 S80-S81Reg S80-S81Fix S82-S83Fix



ton/m 95

MOD.	V	R	W	L=835
S210488	12	2,5	17	kg 8,80
S210588	14	2,5	18	kg 9,10

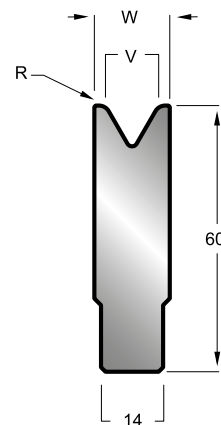
Supporti - Die Holder - Halter
Mod S3030 S56615 S80-S81Reg S80-S81Fix S82-S83Fix



ton/m 95

MOD.	V	R	W	L=835
S042088	6	1,5	14	kg 2,20
S042188	8	1,5	14	kg 2,20
S042288	10	2,0	16	kg 2,30
S042388	12	2,5	16	kg 2,30
S042488	14	2,5	18	kg 2,50

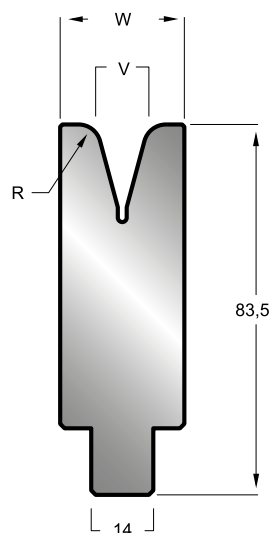
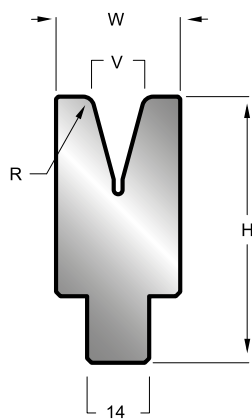
Supporti - Die Holder - Halter
Mod S090 S091 S092



ton/m 60

MOD.	V	R	W	L=835
S1V0660	6	1,5	14	kg 5,40
S1V0860	8	1,5	14	kg 5,30
S1V1060	10	2,0	15	kg 5,60
S1V1260	12	2,5	17	kg 6,10
S1V1460	14	2,5	18	kg 6,30
S1V1660	16	2,5	24	kg 7
S1V2060	20	3,0	30	kg 7,80
S1V2560	25	3,0	33	kg 8,70

Supporti - Die Holder - Halter
Mod S3030 S56615 S80-S81Reg S80-S81Fix S82-S83Fix

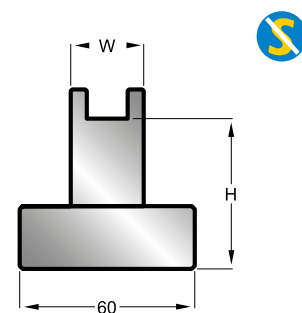
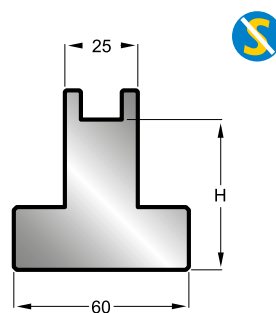
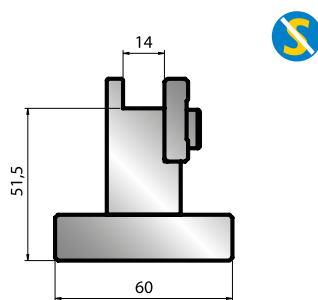
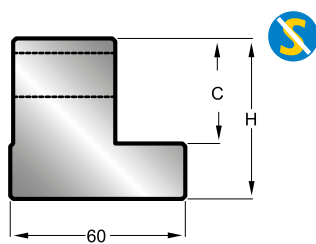


MOD.	V	R	W	H	ton/m	L=835
S1V0630	6	1,0	16	60	35	kg 5,40
S1V0830	8	1,0	19	60	35	kg 5,30
S1V1030	10	2,0	24	60	60	kg 5,60
S1V1230	12	2,5	28	60	60	kg 6,10
S1V1630	16	3	33	60	60	kg 9,50
S1V2030	20	4	40	80	60	kg 15,80
S1V2530	25	4	42	80	60	kg 12,70

Supporti - Die Holder - Halter
Mod S3030 S56615 S80-S81Reg S80-S81Fix S82-S83Fix

MOD.	V	R	W	ton/m	L=835
S220030	6	3,0	16	35	kg 8,30
S220130	8	3,0	19	35	kg 9,50
S220230	10	3,0	24	50	kg 11,50
S220330	12	5,0	28	50	kg 13
S220430	14	5,0	32	50	kg 14,40
S220530	16	5,0	36	50	kg 15,90

Supporti - Die Holder - Halter
Mod S3030 S56615 S80-S81Reg S80-S81Fix S82-S83Fix



ton/m 100 L=830/412mm

ton/m 100 L=840/420mm

ton/m 100

ton/m 100 L=1050/1260

IH

MOD.	H	C	L=830
S450434	34	19	kg 9,10
S450455	55	34	kg 14,50
S450439	39	20	kg 11,10
S450445	45	26	kg 12,41
S459475	75	56	kg 19,50

HR

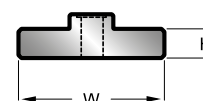
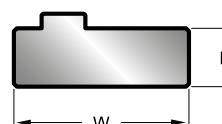
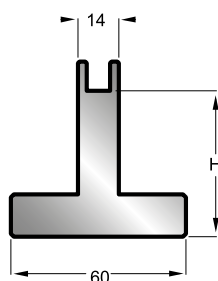
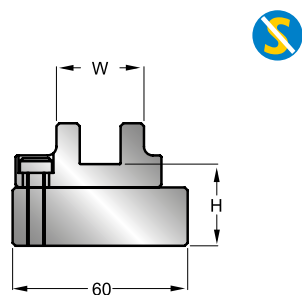
MOD.	H	W	L=840
S4615	51,5	25	kg 13,20

IH

MOD.	H	L	L=835
S80 FIX	51,5	1050	kg 17,10
S81 FIX	51,5	1260	kg 8,50
S82 FIX	21	1050	kg 20,50
S83 FIX	21	1260	kg 10,25

IH

MOD.	H	W	L	L=1050 1260
S80 REG	51,5	25	1050	kg 8,50
S81 REG	51,5	25	1260	kg 17,10



ton/m 100
L=525mm - kg 10,25

kg/m 100
L=835/1050mm

ton/m 100
L=835/415mm

ton/m 100
L=835/415mm

IH

MOD.	H	W
S3030	28	30

IH

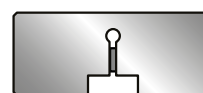
MOD.	H	L=835
S090	30	kg 5,60
S091	50	kg 7,60
S092	75	kg 8,20

IH

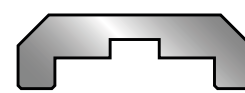
MOD.	H	W	L=835
S400	20	60	kg 8,30

TH

MOD.	H	W	L=835
S300	10	50	kg 3,71

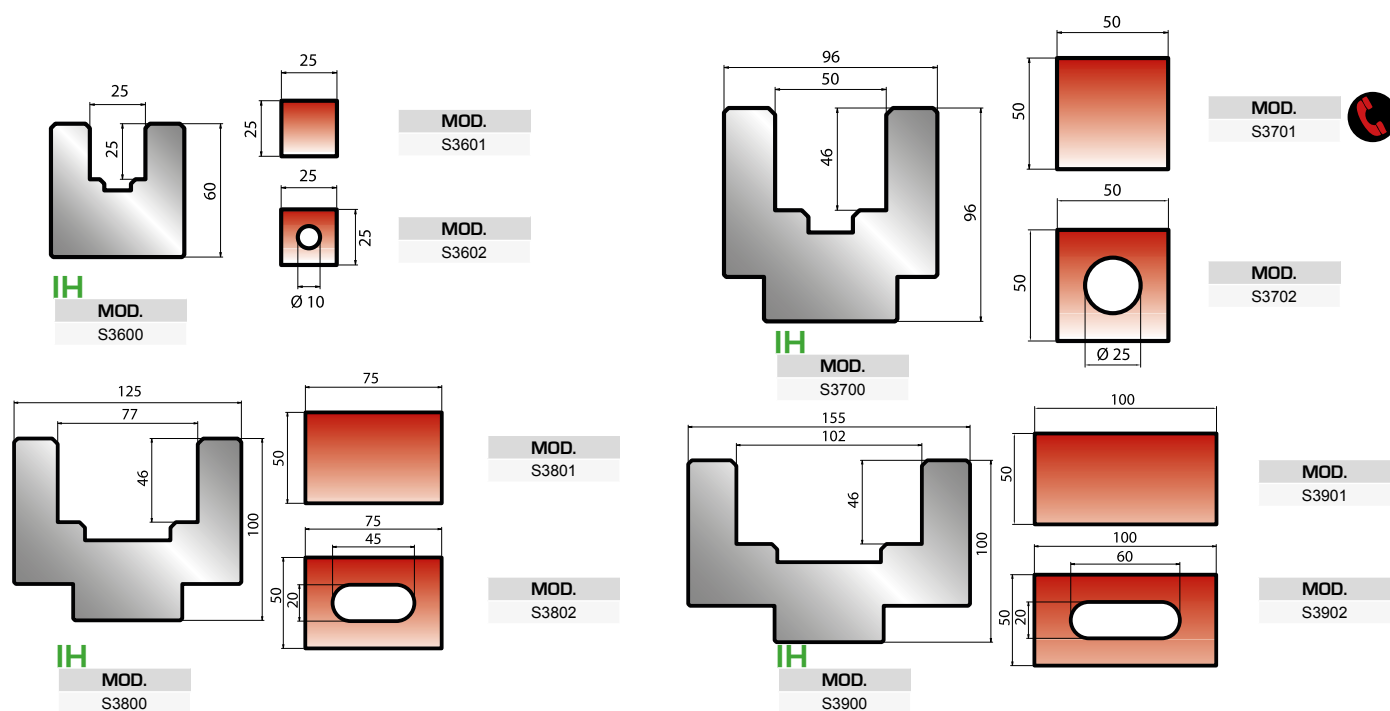


**morsetto
rail clamping S500**

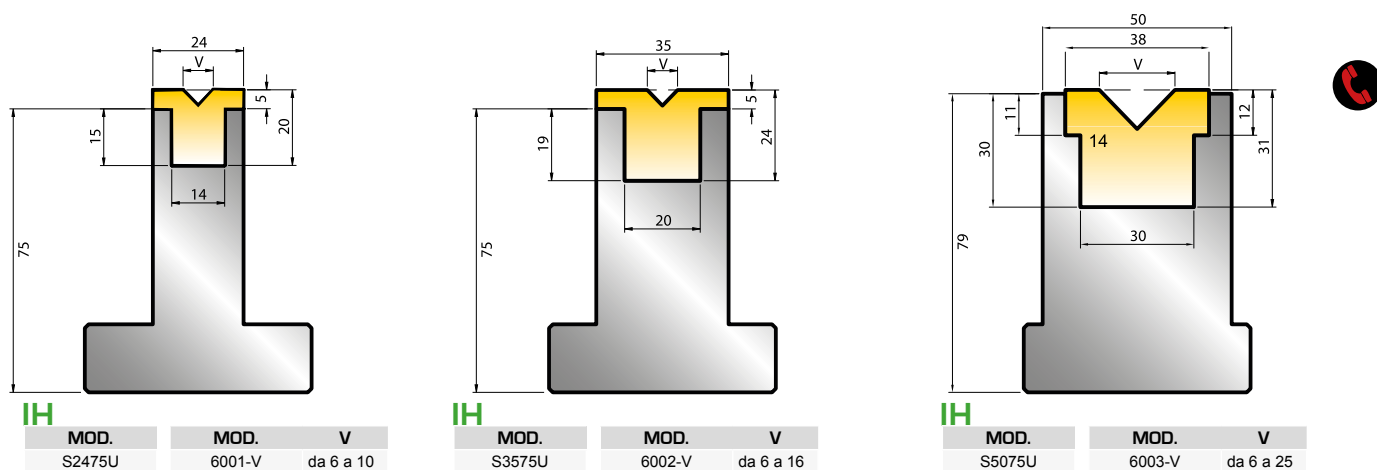


**morsetto
rail clamping S600**

INSERTI E CONTENITORI IN POLIURETANO / INSERTS AND POLYURETHANE HOLDERS



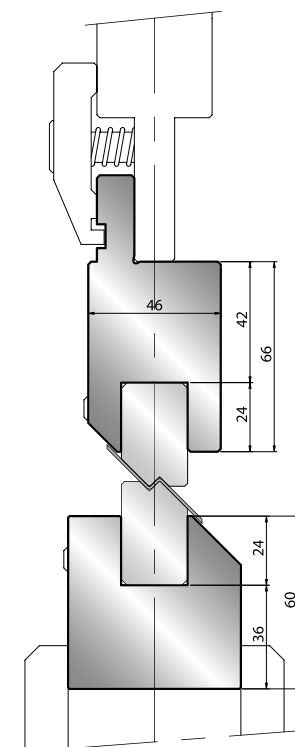
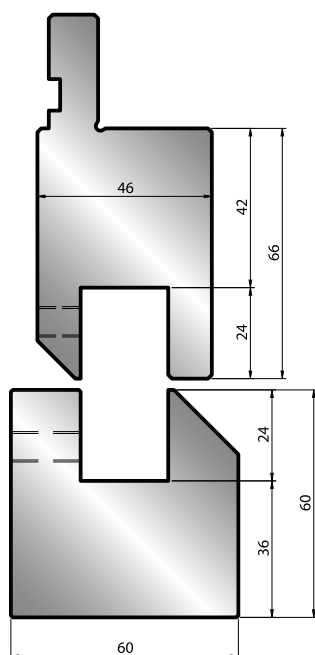
INSERTI E CONTENITORI NYLON / INSERTS AND NYLON HOLDERS



V	88°	60°	45°	30°
6	S0688020	S0660020	S0645020	S0630020
8	S0888020	S0860020	S0845020	S0830020
10	S1088020	S1060020	S1045020	S1030020

V	88°	60°	45°	30°
6	S0688024	S0660024	S0645024	S0630024
8	S0888024	S0860024	S0845024	S0830024
10	S1088024	S1060024	S1045024	S1030024
12	S1288024	S1260024	S1245024	
16	S1688024	S1660024		

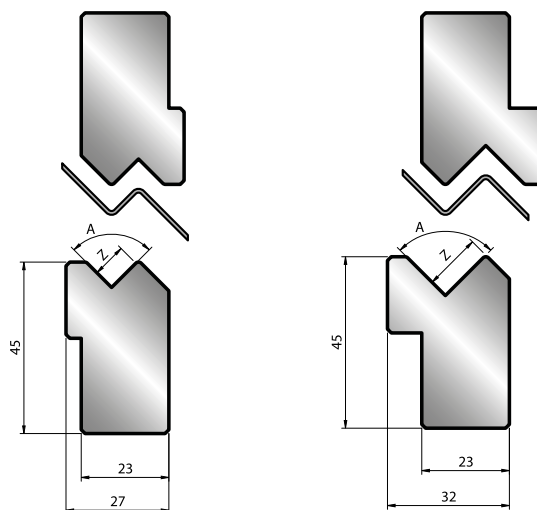
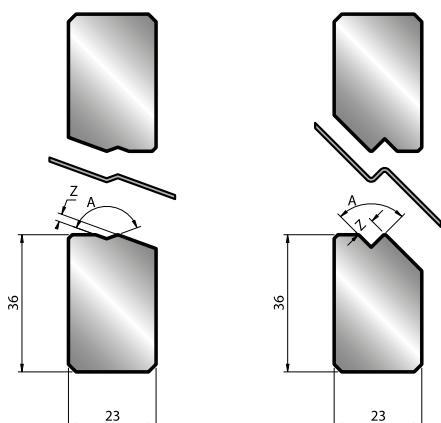
V	88°	60°	45°	30°
6	S0688031	S0660031	S0645031	S0630031
8	S0888031	S0860031	S0845031	S0830031
10	S1088031	S1060031	S1045031	S1030031
12	S1288031	S1260031	S1245031	S1230031
16	S1688031	S1660031	S1645031	S1630031
20	S2088031	S2060031	S2045031	
25	S2588031			



L=835 - kg 37,50

IH

MOD.
S0680



IH

MOD.	Z (mm)	A	L=835
S1385	1,0	160°	kg 11
S1386	1,5	160°	kg 11
S1387	2,0	150°	kg 11
S1388	2,5	140°	kg 11
S1400	1,0	90°	kg 10
S1401	1,5	90°	kg 10
S1402	2,0	90°	kg 10
S1403	2,5	90°	kg 10
S1389	3,0	90°	kg 10
S1390	3,5	90°	kg 10
S1391	4,0	90°	kg 10
S1392	4,5	90°	kg 10
S1393	5,0	90°	kg 10

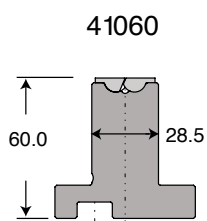
IH

MOD.	Z (mm)	A	L=835
S1394	5,5	90°	kg 10
S1395	6,0	90°	kg 10
S1396	6,5	90°	kg 10
S1397	7,0	90°	kg 10
S1398	7,5	90°	kg 10
S1399	8,0	90°	kg 10
S1404	9,0	90°	kg 13,50
S1405	10,0	90°	kg 13,50
S1406	11,0	90°	kg 13,50
S1407	12,0	90°	kg 13,50
S1408	13,0	90°	kg 13,50
S1409	14,0	90°	kg 13,50
S1410	15,0	90°	kg 13,50

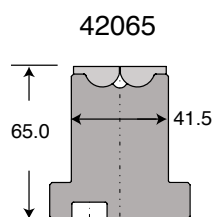


MODELLO EUROPEO

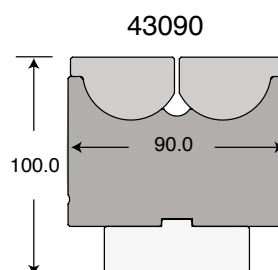
MODELLO 1



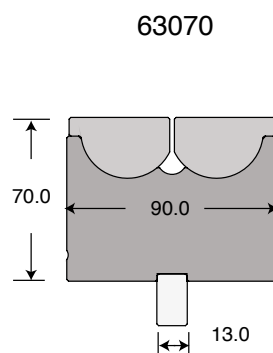
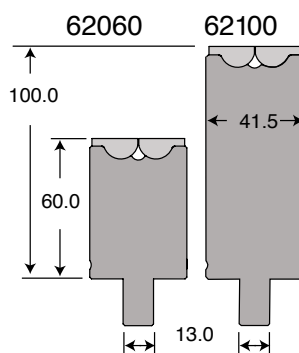
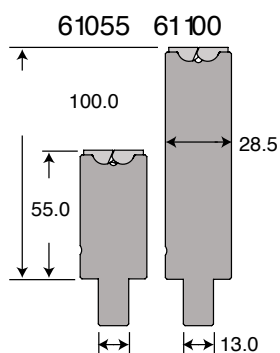
MODELLO 2



MODELLO 3



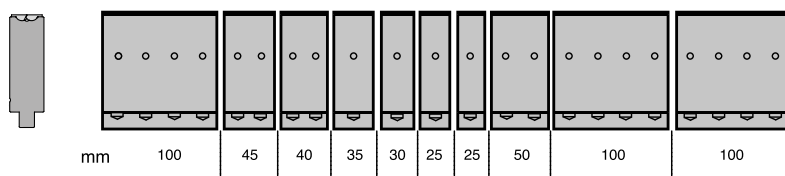
MODELLO WT



	MATERIAL THICKNESS	MIN. OUTSIDE FLANGE	Ton/ FT	MIN. ANGLE	PUNCH TIP REQUIRED TO ACHIEVE ANGLE	MAX OR RADIUS @ MIN. ANGLE	MAX OR RADIUS @ 90°	TONNAGE CAP/FT	T/Mk	N/M
MODEL 1	.45 mm	3.0 mm	1.8	34°	1.4	3.1 mm4	.45 mm	34	1121	100
	.50 mm		1.8		1.3					
	.60 mm		2.01		.2					
	.80 mm		2.51		.1					
	.90 mm		3.31		.0					
	1.0 mm	3.9 mm	4.0		0.8					
	1.2 mm5		.8							
	1.5 mm4	.2 mm9								
MODEL 2	1.9 mm8	.5 mm7		42°	3.0	5.5 mm	9.0 mm	50	168	1650
	2.9 mm	8.8 mm	132		.8					
	3.0 mm	9.3 mm	152		.5					
	3.2 mm		20		2.3					
	3.4 mm		22		2.1					
MODEL 3	4.0 mm	22.5 mm	9	65°	2.0	11.5 mm	20.2 mm	60 *	204	2000
	4.75 mm		26		2.4					
	6.35 mm		28		3.2					

Model 1 & 2

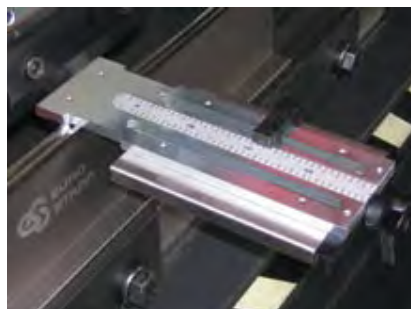
Solid Total Length 500 mm
Sectional (Shown) Total Length 550 mm



Model 3

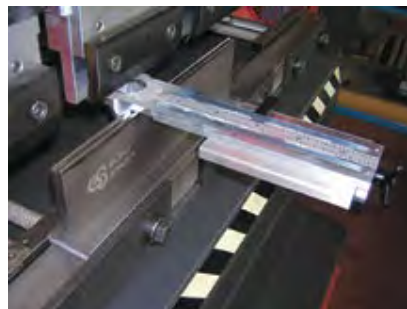
Solid Total Length 250 mm
Sectional (Shown) Total Length 455 mm





JA05535v0279

squadre di riferimento / reference squares



JA05535v0278

squadre di riferimento orientabile / reference squares adjustable



JAV099000000

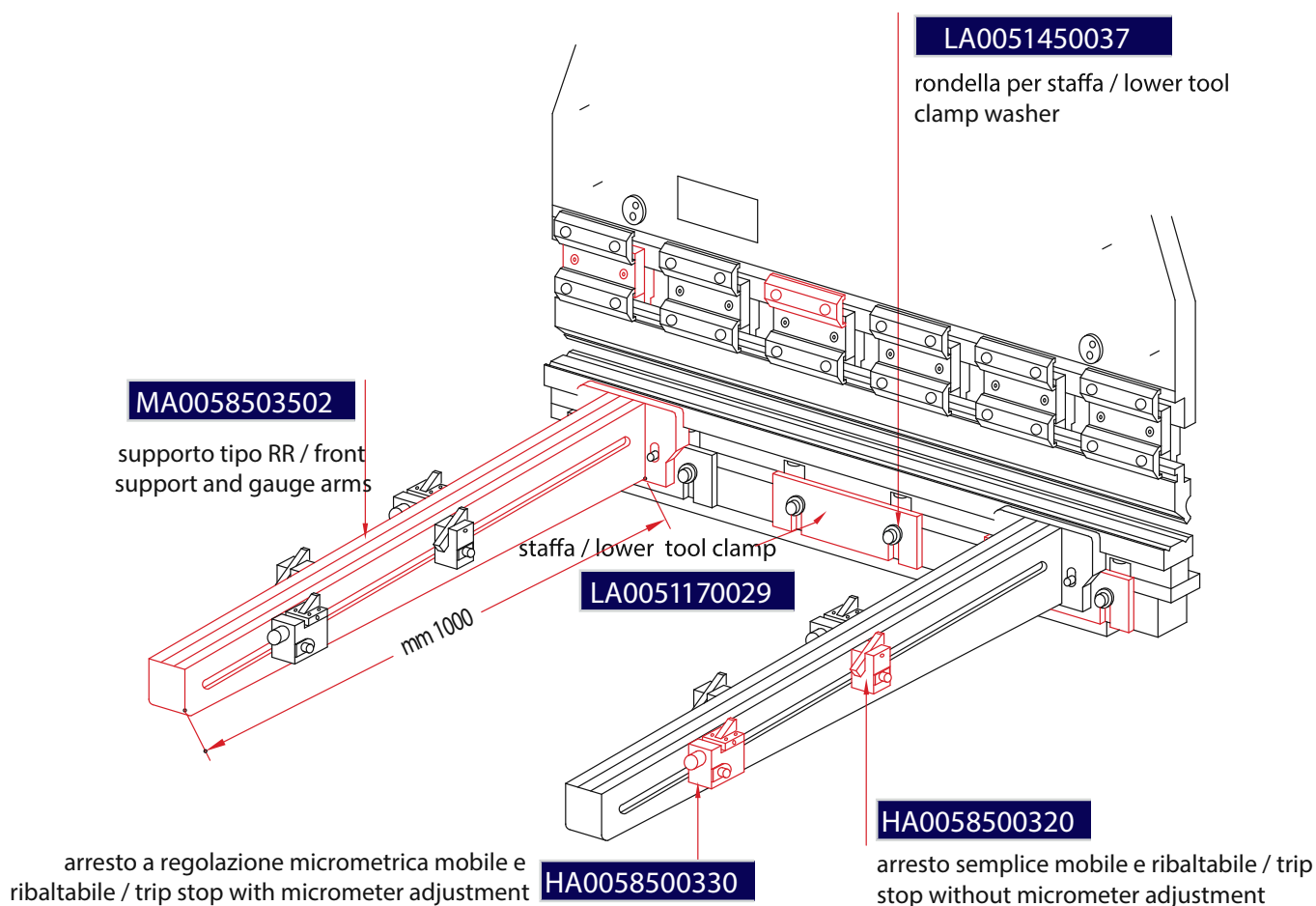
tenditori / tighteners

JAV100000000

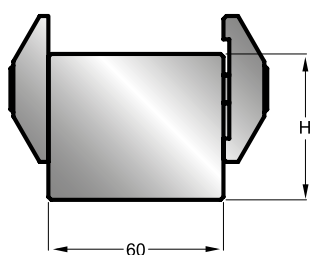
pellicola di poliuretano antigraffio
152x0,4mm di spessore/
anti scratch film 152x0,4mm thickness 30mt

JAV100000001

pellicola di poliuretano antigraffio
152x0,8mm di spessore/
anti scratch film 152x0,8mm thickness 30mt

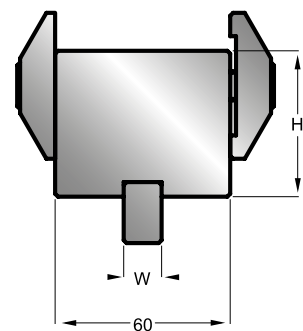


STAFFE PER INTERMEDIARI / CLAMP INTERMEDIATES



IH

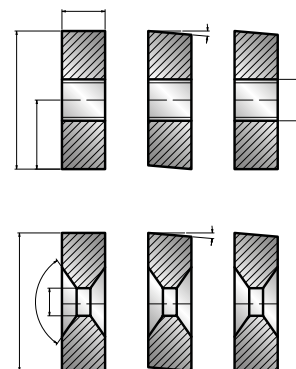
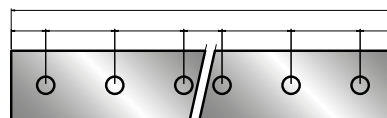
MOD.	H	L=835
JA05575V0722	55	kg 30,70



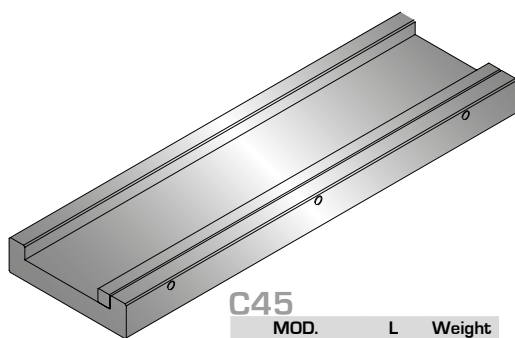
IH

MOD.	H	W	L=835
S3045	50	12,7	kg 30,20

LAME DA CESCOIA / SHEAR BLADES

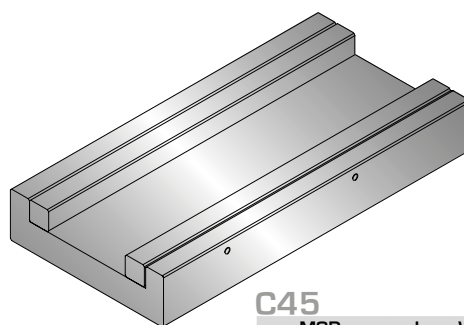


CANALINA PER MATRICI / DIE RAIL



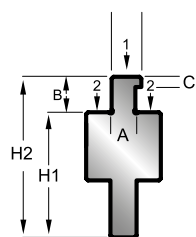
C45

MOD.	L	Weight
S60 1	2100	kg 27
S60 2	2600	kg 34
S60 3	3100	kg 40
S60 4	4100	kg 53



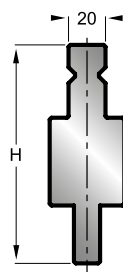
C45

MOD.	L	Weight
S60-90 1	520	kg 13,50
S60-90 2	1050	kg 27,20

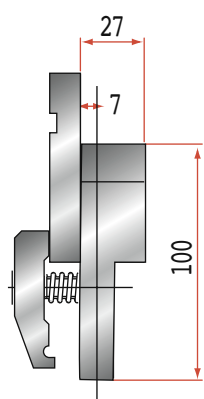

IH

MOD.	L
S20067S	150

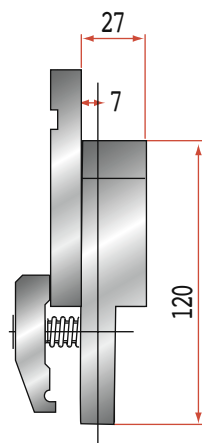
A=
B=
C=
D=
H1=
H2=
Punto di spinta=


IH

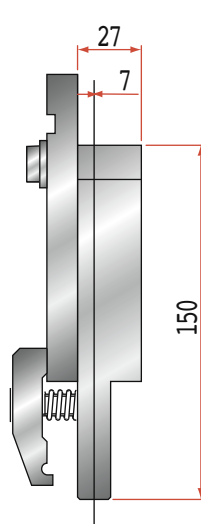
MOD.	H	L	Weight
SU2000	117	150	kg 3



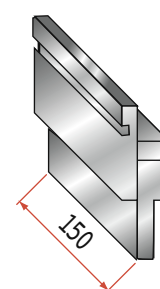
MOD.	L
JA076900150	150

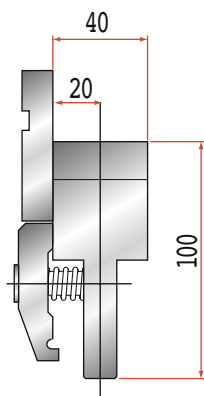


MOD.	L
JA05575V0704	150

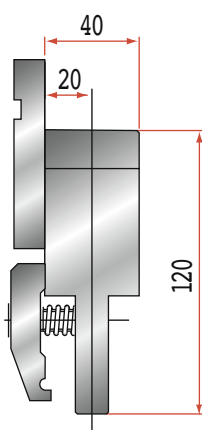


MOD.	L
JA05575V0385	150

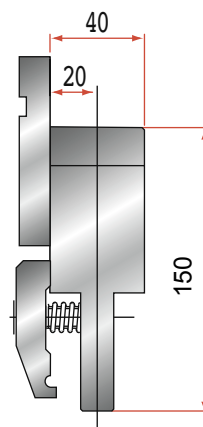




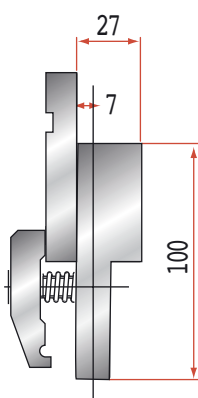
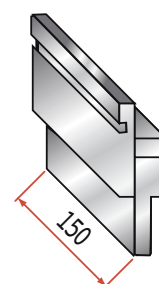
MOD.	L
JA05575V0709	150



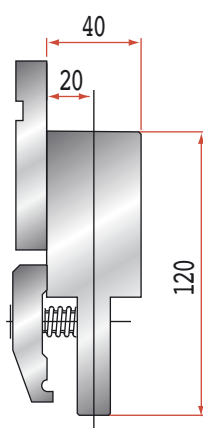
MOD.	L
JA05575V0220	150



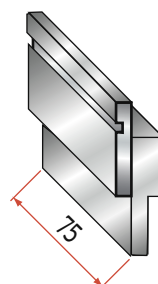
MOD.	L
JA05575V0388	150

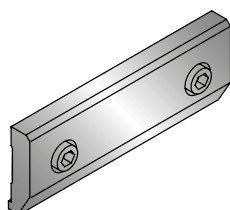


MOD.	L
JAV081900075	75



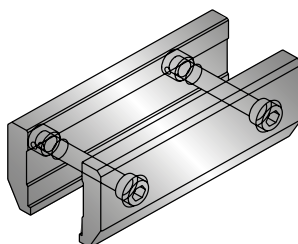
MOD.	L
JAV102800075	75





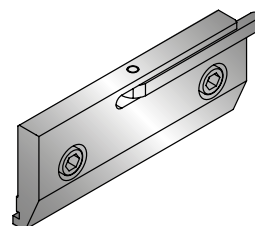
kg 0,86

MOD.	L
JAV076400150	150



kg 1,80

MOD.	L
JAV05575U0731	150



kg 0,88

MOD.	L
LA05573V0726	150

EXPRESS CLAMP



MOD.		H
817I-2	Mod. con staffe solo anteriori 2 staffe frontali / 2 front clamp plates	100
817I00	Mod. con staffe anteriori e posteriori 2 staffe frontali e posteriori / 2 front & back clamp plates	100

MOD.		H
818I-2	Mod. con staffe solo anteriori 2 staffe frontali / 2 front clamp plates	120
818I00	Mod. con staffe anteriori e posteriori 2 staffe frontali e posteriori / 2 front & back clamp plates	120

MOD.		H
819I-2	Mod. con staffe solo anteriori 2 staffe frontali / 2 front clamp plates	150
819I00	Mod. con staffe anteriori e posteriori 2 staffe frontali e posteriori / 2 front & back clamp plates	150

Armadi per utensili tipo con 4/5 cassetti

4-5 drawer tooling cabinet

Possibilità di avere armadio configurato Div. o
con numero diverso di cassetti sia tipo promecam
che wild/trumph

Dotazione standard cassetto

- n. 2 ripiani fissi
- n. 1 ripiano continuo per utensili frazionati
- n. 4 ripiani a mensole per utensili interi (835)

Opzioni

- n. 3 ripiani, continui o mensole, per ogni
cassetto scorrevole



Drawer standard feature

- n. 2 fixed shelves
- n. 1 full-length shelf for sectioned tools
- n. 4 shelf sections for full-length tools (835)

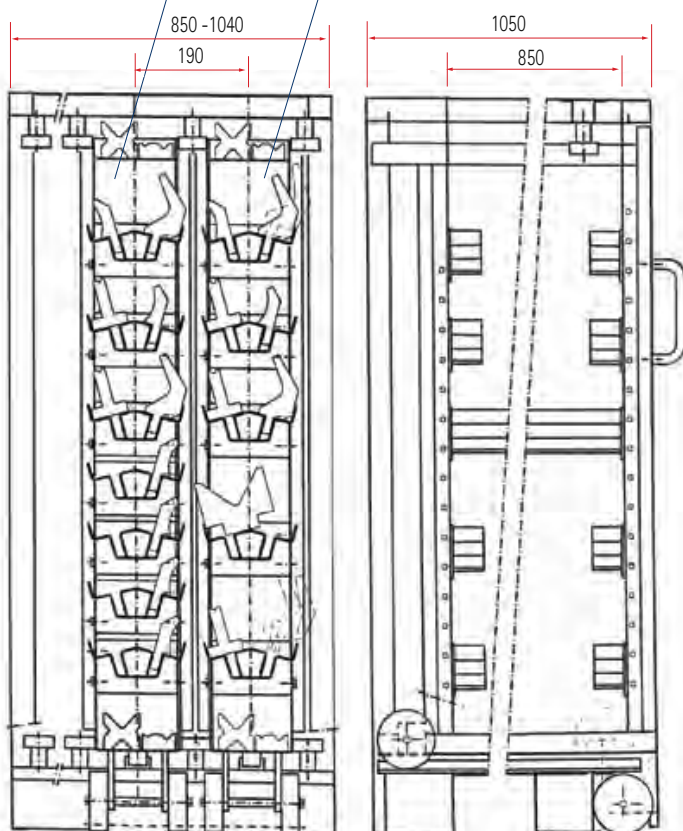
Options

- n. 3 full-length shelves or shelf partitions
for each sliding drawer

- Cassetti verticali scorrevoli
- Vertical sliding drawers
- Supporti utensili posizionabili in altezza
secondo necessità
- Height adjustable drawers
for specific needs
- Supporti per utensili interi e frazionati
- Supports for full-length or
sectioned tools
- Estrema praticità d'uso
- Extremely easy to use

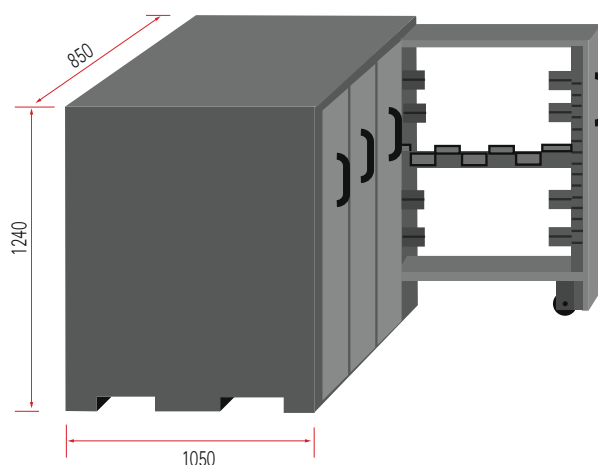
Esempio con aggiunta piani
Example with added shelves

Configurazione standard
Standard configuration



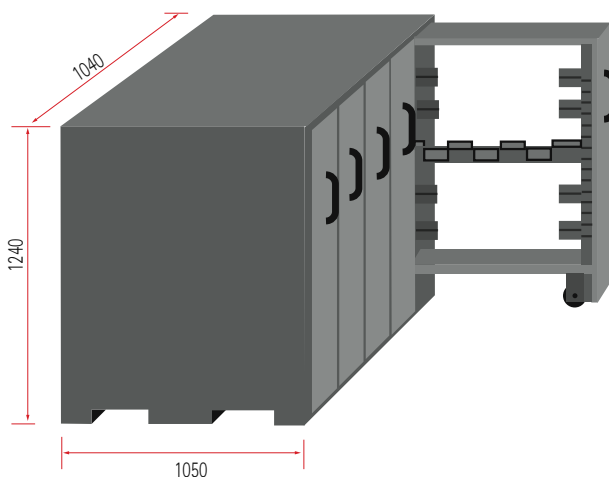
**Modello quattro cassetti
per minimo 56 utensili**
**4 drawer cabinet for at least
56 tools**

54004

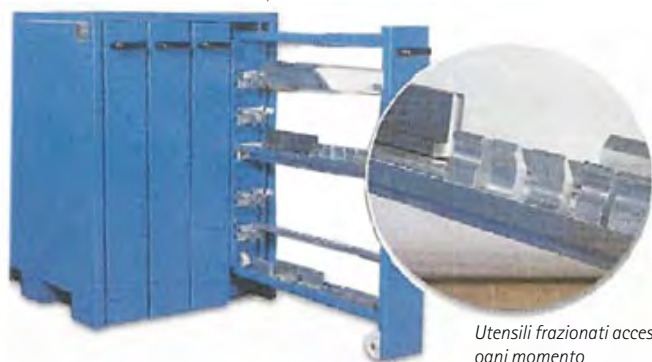


**Modello cinque cassetti
per minimo 70 utensili**
**5 drawer cabinet for at least
70 tools**

54005



*Cassetti verticali
scorrevoli: estrazione
sicura e pratica degli
utensili*
*Sliding upright drawers:
safe and practical tools
manipulation*



*Utensili frazionati accessibili in
ogni momento*
*Accessibility of sectioned tools in
any moment*



*Innovativo sistema
ad incastro: supporti
riposizionabili con un
semplice gesto.*
*Nessuna vite da
allentare*

*Innovating joint system:
the supports can be
repositioned with
a simple action. No
screws to be loosen*



*Supporti configurabili per ogni
tipologia di utensili in commercio*
*Adaptability of the supports for all
type of tools*



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