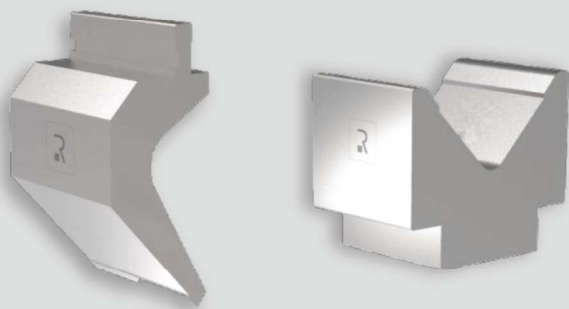
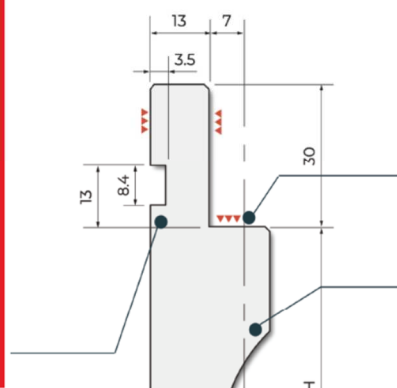


OHRAŇOVACIE NÁSTROJE



Kompatibilné s ohraňovacími lisami značiek:
Amada, Atlantic, Adira, Baykal, BL, Boschert,
Boutillon, Bystronic-Beyeler Euro-B, Coastone,
Colgar, Durmazlar, Ermaksan, Farina, Gade,
Gasparini, Gizelis, Haco, Hindustan, Iturrospe,
Jfy, JMT, LFK, Metfab, MVD, Oriance, Prima
Power, Promecam, Rico, Salvagnini,...



ROLLERI

R1



ISO 9001 - ISO 45001
CERTIFIKOVANÁ
SPOLOČNOSŤ



Zoscanujte QR kód alebo naň kliknite a pozrite si video. Môžete sledovať náš oficiálny Youtube kanál www.youtube.com/Rollerispa alebo pozerať videá na našej webovej stránke www.rolleri.sk/media



Katalógy dostupné na stiahnutie na www.rolleri.sk/na-stiahnutie - pre nástroje na ohraňovanie, upínacie systémy, vysekávacie nástroje, dierovacie nástroje pre Ironworker, spotrebný materiál pre lasery a iné.



Zaregistrujte sa na www.rolleri.sk
Rolleri stránku môžete využívať na kontrolu dodacích termínov, prehľad skladových zásob a zároveň budete informovaný o našich novinkách. Sami si overíte ceny a priamo môžete zadávať objednávky.



Skontrolujte dobu potrebnú na realizáciu štandardného segmentovania nástrojov. Na požiadanie je možné vykonať aj segmentáciu nástrojov s prispôbenými rozmermi. Obchodné oddelenie vám poskytne viac informácií týkajúcich sa ich ceny a dostupnosti.



Stiahnite si Rollerli aplikáciu **Bending App**. Taktiež zadarmo získate náš software týkajúci sa zásad ohraňovania. Používaním tejto aplikácie môžete bez problémov zoscanovať QR kódy v tomto katalógu.



Cieľom príručky ohraňovania "**Bending handbook**" je vám dodať praktické a užitočné informácie k rýchlemu dosiahnutiu požadovaných výsledkov. Nájdete v nej množstvo príkladov, jednoduchých vzorcov a informácií, ktoré správne vysvetľujú prístup k procesu samotného ohraňovania.



Kliknutím na QR kód v blízkosti kódu výrobku alebo priamo jeho zoscanovaním - skontrolujete cenu výrobku a možný termín dodania.

NÁSTROJE NA OHRAŇOVANIE

NÁSTROJE TYPU R1

Kompatibilné s ohraňovacími lisami: Accurl, Accurpress, ACL, Adira, Amada, Atlantic, Baykal, BL, Boschert, Boutillon, Bystronic Beyeler, Euro-B, Coastone, Colgar, Dener, Deratech, Durmazlar, Ermaksan, Farina, Gade, Gasparini, Gecko, Gilardi, Gizelis, Haco, Hindustan, HPM, Iturraspe, Jfy, JMT, LFK, Metfab, MVD, Oriance, Prima Power, Promecam, Rico, Salvagnini, Schiavi, SMD, Sorg, Somo, Vicla, Vimercati, Warcom, Yawei,...

NÁSTROJE TYPU R2-R3

Kompatibilné s ohraňovacími lisami: Darley, LVD, Safan, Trumpf a ohraňovacie lisy s NSCL systémom, Bystronic Beyeler RFA, RF, R, S

NÁSTROJE TYPU R4

Kompatibilné s ohraňovacími lisami: LVD

NÁSTROJE TYPU R5

Kompatibilné s ohraňovacími lisami: American

NÁSTROJE TYPU R6

Kompatibilné s ohraňovacími lisami: Hämmerle-Bystronic

NÁSTROJE TYPU R7

Kompatibilné s ohraňovacími lisami: Colly

NÁSTROJE TYPU R8

Kompatibilné s ohraňovacími lisami: Colgar

NÁSTROJE TYPU R9

Kompatibilné s ohraňovacími lisami: Gasparini (axial)

NÁSTROJE TYPU R10

Kompatibilné s ohraňovacími lisami: Ajjal Axial

NÁSTROJE TYPU RX

Kompatibilné s ohraňovacími lisami: EHT, Ursviken a Weinbrenner

ROLLERI TECH, ŠPECIFIKÁCIE NÁSTROJOV A ICH MODIFIKÁCIE

Kompatibilné so všetkými typmi ohraňovacích lisov

UPÍNACIE SYSTÉMY, INTERMEDIÁTORY A ADAPTÉRY

Kompatibilné so všetkými typmi ohraňovacích lisov

ROLLA-V A ŠPECIÁLNE SPODNÉ NÁSTROJE

Kompatibilné so všetkými typmi ohraňovacích lisov

OHRAŇOVANIE BEZ OTERU A PRÍSLUŠENSTVO

Kompatibilné so všetkými typmi ohraňovacích lisov

OHÝBACIE NÁSTROJE

NOŽE PRE NOŽNICE

VYSEKÁVACIE NÁSTROJE

NÁSTROJE TYPU R1

Kompatibilné s vysekávacími strojmi: Amada, Amada ABS, Wilson HP, Wilson HP WLS, Mate Ultra Tec

NÁSTROJE TYPU R2

Kompatibilné so všetkými typmi vysekávacích strojov Trumpf

NÁSTROJE TYPU RS

Kompatibilné so všetkými typmi vysekávacích strojov Salvagnini

ŠPECIÁLNE NÁSTROJE

Kompatibilné s inými typmi vysekávacích strojov

PRÍSLUŠENSTVO

Kompatibilné s ostatnými typmi vysekávacích strojov

IRON WORKER

Dierovacie nástroje

SPOTREBNÝ MATERIÁL PRE LASERY

Zistíte viac z nášho širokého spektra spotrebných materiálov k laserom

6 R1 HORNÉ NÁSTROJE

- 8 - HORNÉ NÁSTROJE: ÚVODNÝ POPIS HORNÝCH NÁSTROJOV
 - 10 - HORNÉ NÁSTROJE TOP SÉRIA
 - 12 - LEMOVACIE NÁSTROJE TOP SÉRIA
 - 14 - RÁDIUSOVÉ NÁSTROJE TOP SÉRIA
 - 15 - HORNÉ NÁSTROJE CLASSIC SÉRIA
- 31 - SEGMENTOVANÉ HORNÉ NÁSTROJE S POHYBLIVÝMI ROHMI
 - 32 - NÁSTROJE PRE PROFILY TVARU Z
 - 33 - RÁDIUSOVÉ NÁSTROJE
- 35 - LEMOVACIE NÁSTROJE CLASSIC SÉRIA
 - 36 - HORNÉ NÁSTROJE A SÉRIA
 - 40 - HORNÉ NÁSTROJE CFH SÉRIA

42 R1 SPODNÉ NÁSTROJE

- 44 - SPODNÉ NÁSTROJE: ÚVODNÝ POPIS SPODNÝCH NÁSTROJOV
 - 46 - 2-V SPODNÉ NÁSTROJE CLASSIC SÉRIA
 - 48 - SAMOCENTROVACIE 2-V SPODNÉ NÁSTROJE CLASSIC SÉRIA
 - 50 - SAMOCENTROVACIE 1-V SPODNÉ NÁSTROJE CLASSIC SÉRIA
 - 53 - T-SPODNÉ NÁSTROJE CLASSIC SÉRIA
 - 71 - 1-V SPODNÉ NÁSTROJE CLASSIC SÉRIA
 - 74 - MULTI-V SPODNÉ NÁSTROJE CLASSIC SÉRIA
 - 76 - LEMOVACIE SPODNÉ NÁSTROJE CLASSIC SÉRIA
 - 78 - PRUŽINOVÉ LEMOVACIE SPODNÉ NÁSTROJE CLASSIC SÉRIA
- 80 - PNEUMATICKÉ LEMOVACIE SPODNÉ NÁSTROJE CLASSIC SÉRIA
 - 82 - HEAVY DUTY LEMOVACIE SPODNÉ NÁSTROJE CLASSIC SÉRIA
 - 84 - 2-V SPODNÉ NÁSTROJE A SÉRIA
 - 90 - 1-V SPODNÉ NÁSTROJE A SÉRIA
 - 96 - SPODNÉ NÁSTROJE CFH SÉRIA

46-10 48	45202 37	C45.40 35	P.97.88.R08 17	S110.30.08 79	T120.06.90 54	TOPSM-134.24.10 77
46-11 48	45302 37	C60.45 35	P.97.88.R025 17	S110PN.30.08 81	T120.08.26 70	TOPSM-134.24.12 77
46.11.88 48	46200 37	C70.50 35	P.97.90.R025 15	S135.26.08 79	T120.08.30 69	TOPSM-134.28.8 77
46-12 48	46300 37	CEZ 1.0 32	P.110.30.R06 30	S135.26.10 79	T120.08.35 67	TOP.SP.134.24.8 13
46.13 48	50190 86	CEZ 1.0/90 32	P.114.88.R06 17	S135PN.26.08 81	T120.08.45 65	TOP.SP.134.24.10 13
46.14 48	50196 88	CEZ 1.5 32	P.115.60.R08 26	S135PN.26.10 81	T120.08.60 62	TOP.SP.134.24.12 13
46.15 48	50290 87	CEZ 1.5/90 32	P.115.88.R06 18	SA135.26.12 79	T120.08.80 60	TOP.SP.134.28.8 13
46.16 48	50296 88	CEZ 2.0 32	P.116.35.R08 29	SA135PN.26.12 81	T120.08.85 58	TR80.06.60 61
46.17 49	50390 87	CEZ 2.0/90 32	P.116.35.R15 29	SCA.M.88.R08 31	T120.08.88 56	TR80.06.88 54
46.18 49	50396 88	CEZ 2.5 32	P.116.88.R08 18	SCA.M.88.R025 31	T120.08.90 54	TR80.06.60 61
00300 39	50490 88	CEZ 2.5/90 32	P.120.35.R3 29	SCA.M.90.R08 31	T120.10.26 70	TR80.08.88 54
00402 36	50590 88	CEZ 3.0 32	P.120.35.R08 29	SCA.M.90.R025 31	T120.10.30 69	TR80.10.60 61
00430 36	50690 88	CEZ 3.5 32	P.120.35.R15 29	SM55.12.30/C 83	T120.10.35 67	TR80.10.88 55
00480 38	50790 86	CEZ 4.0 32	P.120.85.R1 23	SM55.14.30/C 83	T120.10.45 65	TR80.12.60 61
00490 38	50796 88	CEZ 4.5 32	P.120.88.R3 19	SU034 47	T120.10.60 63	TR120.06.60 62
00800 39	A	CEZ 5.0 32	P.120.88.R08 19	SU055 47	T120.10.80 60	TR120.06.88 55
01360 94	CFH.60.04.30 97	CEZ 5.5 32	P.125.88.R025 19	SU61F 53	T120.10.85 58	TR120.08.60 62
01602 36	CFH.60.06.30 97	CEZ 6.0 32	P.130.45.R6 28	SU075 47	T120.10.88 56	TR120.08.88 56
01630 36	CFH60.06.86 96	CEZ 6.5 32	P.130.85.R08 23	SU-T70 75	T120.10.90 54	TR120.10.60 63
01680 38	CFH.60.08.30 97	CEZ 7.0 32	P.130.85.R025 23	T	T120.12.26 70	TR120.10.88 56
01690 38	CFH60.08.86 96	CEZ 7.5 32	P.130.88.R06 19	T70-35 75	T120.12.30 69	TR120.12.60 63
03500 93	CFH.60.10.30 97	CEZ 8.0 32	P.130.88.R08 20	T70-45 75	T120.12.35 67	
03600 93	CFH60.10.86 96	CEZ 9.0 32	P.130.88.R025 20	T70-60 75	T120.12.45 65	
03700 93	CFH.60.12.30 97	CEZ 10.0 32	P.130.90.R06 16	T70-88 75	T120.12.60 63	
03800 93	CFH60.14.86 96	CEZ 11.0 32	P.130.90.R025 16	T80.06.26 70	T120.12.80 60	
04502 36	CFH60.16.86 96	CEZ 12.0 32	P.135.60.R08 26	T80.06.30 68	T120.12.85 58	
04600 36	CFH60.20.86 97	CEZ 13.0 32	P.135.75.R08 25	T80.06.35 66	T120.12.88 56	
04702 37	CFH60.25.86 97	CEZ 14.0 32	P.135.85.R08 24	T80.06.45 64	T120.12.90 54	
04800 37	CFH.150.30.R08 41	CEZ 15.0 32	P.135.88.R3 20	T80.06.60 61	T120.16.30 69	
05500 95	CFH150.86.R02-GNK 41	CPZ 32_33	P.135.88.R08 20	T80.06.80 59	T120.16.35 67	
07000 91	CFH150.86.R02-SSH 41	D	P.145.60.R08 27	T80.06.85 57	T120.16.45 65	
07006 92	CFH150.86.R02-STD 40	D.116.88.R3 18	P.145.85.R08 24	T80.06.88 54	T120.16.60 63	
07100 91	CFH.150.88.R025 41	D.116.88.R08 18	P.147.26.R08 30	T80.06.90 53	T120.16.80 60	
07106 92	AMR60.04.85 51	DK.116.90.R08 16	P.150.85.R1 25	T80.08.26 70	T120.16.85 58	
07200 92	AMR60.04.88 50	E	P.150.88.08 21	T80.08.30 68	T120.16.88 56	
07300 91	AMR60.06.30 52	E30.22 35	P.150.88.R3 21	T80.08.35 66	T120.20.30 69	
07400 92	AMR60.06.85 51	K	P.150.88.R06 21	T80.08.45 64	T120.20.35 67	
07500 91	AMR60.06.88 50	KPN 80_82	P.150.88.R025 21	T80.08.60 61	T120.20.45 65	
07600 92	AMR60.08.30 52	M	P.160.70.R3 26	T80.08.80 59	T120.20.60 63	
08000 53	AMR60.08.85 51	M26.60.01 47	P.160.70.R08 26	T80.08.85 57	T120.20.80 60	
08100 53	AMR60.08.88 50	M26.60.02 47	P.175.88.R08 22	T80.08.88 54	T120.20.85 58	
10300 40	AMR60.10.30 52	M26.60.03 47	P.190.60.R08 27	T80.08.90 53	T120.20.88 56	
10800 38	AMR60.10.85 51	M26.60.05 47	P.195.88.R08 22	T80.10.26 70	T120.25.30 69	
10900 38	AMR60.10.88 50	M26.85.02 49	P.196.88.R06 22	T80.10.30 68	T120.25.35 67	
10906 39	AMR60.12.30 52	M26.88.01 46	P.250.85.R15 25	T80.10.35 66	T120.25.45 65	
11600 36	AMR60.12.85 51	M26.88.02 46	PB60 49	T80.10.45 64	T120.25.60 63	
11700 36	AMR60.12.88 50	M26.88.03 46	PB-T70 75	T80.10.60 61	T120.25.80 60	
12100 84	AMR60.16.30 52	M26.88.04 46	PG.135.60.R08 27	T80.10.80 59	T120.25.85 58	
12106 84	AMR60.16.85 51	M26.88.05 46	PK.95.85.R3 22	T80.10.85 57	T120.25.88 56	
12300 84	AMR60.16.88 50	M26.90.01 46	PK.97.88.R025 17	T80.10.88 55	TOP150.30.R12 13	
12306 84	AMR60.20.30 52	M26.90.02 46	PK.97.90.R06 15	T80.10.90 53	TOP175.26.R08 11	
12400 84	AMR60.20.85 51	M26.90.03 46	PK.97.90.R08 15	T80.12.26 70	TOP175.60.R2 11	
12406 85	AMR60.20.88 50	M31.35.01 47	PK.97.90.R025 15	T80.12.30 68	TOP175.60.R5 11	
12500 85	AMR60.25.30 52	M31.35.02 47	PK.97.90.R025 15	T80.12.35 66	TOP175.60.R08 11	
12600 85	AMR60.25.85 51	M60.85.32 71	PK.114.90.R06 15	T80.12.45 64	TOP175.75.R2 10	
12700 85	AMR60.25.88 50	M60.85.40 71	PK.116.90.R08 15	T80.12.60 61	TOP175.75.R08 10	
20000 37	B	M60.85.50 71	PK.120.85.R08 23	T80.12.80 59	TOP175.85.R2 10	
20100 37	BMR55.06.30 83	M60.90.01 74	PK.120.88.R025 19	T80.12.85 57	TOP175.85.R08 10	
20200 38	BMR55.06.30/C 83	M60.90.02 74	PK.120.90.R08 16	T80.12.88 55	TOP175.85.R08.S 10	
20300 38	BMR55.08.30 83	M75.85.63 71	PK.120.90.R025 16	T80.12.90 53	TOP205.26.R08 11	
21000 39	BMR55.08.30/C 83	M80.45.32 73	PK.130.88.R025 19	T80.16.30 68	TOP205.85.R2 10	
30000 89	BMR55.10.30 83	M80.45.40 73	PK.135.85.R08 24	T80.16.35 66	TOP205.85.R08 10	
30147 87	BMR55.10.30/C 83	M80.45.50 73	PK.135.88.R025 20	T80.16.45 64	TOP250.26.R1 12	
30148 86	C	M80.85.80 71	PK.135.90.R08 16	T80.16.60 62	TOPC08 14	
30247 87	C3 33	M86.60.63 72	PK.135.90.R025 16	T80.16.80 59	TOPC09 14	
30248 86	C3.5 33	M95.80.100 71	PM50 49	T80.16.85 57	TOPC10 14	
30347 87	C3 - C7.5 33	M103.80.125 72	PM50.20 49	T80.16.88 55	TOPC11 14	
30348 86	C4 33	M110.60.80 73	PM60 49	T80.20.30 68	TOPC12.5 14	
30448 87	C4.5 33	M130.80.160 72	PR.135.88.R08 21	T80.20.35 66	TOPC14 14	
30548 87	C5 33	M195.70.200 72	PS.120.88.R08 18	T80.20.45 64	TOPC15 14	
30648 87	C5.5 33	M.360.R 74	PS.134.30.R08 29	T80.20.60 62	TOPC16 14	
31100 84	C6 33	M.460 74	PS.135.85.R08 24	T80.20.80 59	TOPC17.5 14	
31106 85	C6.5 33	M.460.60 74	PS.135.88.R08 20	T80.20.85 57	TOPC19 14	
31400 85	C7 33	M.460.R 74	PU.67.14 34	T80.20.88 55	TOPC20 14	
32000 90	C7.5 33	M.490 75	PU.67.14-S 33	T80.25.30 68	TOPC21 14	
32006 90	C13.08 35	M.490.70 75	PU.85.35.R08 28	T80.25.35 66	TOPC22.5 14	
32100 90	C13.09 35	MK103.80.125 72	PU.87.14 34	T80.25.45 64	TOPC24 14	
32106 90	C16.10 35	MK130.80.160 72	PU.105.14 34	T80.25.60 62	TOPC25 14	
32200 90	C17.12 35	P	PU.115.14 34	T80.25.80 59	TOPC27.5 14	
32300 90	C20.15 35	P.95.35.R5 28	PU.117.26.R3 30	T80.25.85 57	TOPC30 14	
32400 91	C22.17 35	P.95.45.R08 27	PU.117.26.R08 30	T80.25.88 55	TOPC32.5 14	
32500 91	C24.20 35	P.95.45.R15 27	PU.150.26.R08.L 30	T120.06.26 70	TOPC35 14	
32600 90	C25.22 35	P.95.88.R3 17	S	T120.06.30 69	TOPC37.5 14	
33000 91	C29.25 35	P.97.45.R05 28	S101.35.06 78	T120.06.35 67	TOPC40 14	
33770 89	C34.27 35	P.97.60.R2 26	S101.35.08 78	T120.06.45 65	TOP.PC.120-08 14	
34000 94	C34.30 35	P.97.60.R08 26	S101.35.10 78	T120.06.60 62	TOP.PC.120-20 14	
34100 95	C37.32 35	P.97.75.R08 25	S101PN.35.06 80	T120.06.80 60	TOP.SC.130 82	
34200 94	C42.37 35	P.97.85.R08 22	S101PN.35.08 80	T120.06.85 58	TOP.SC.130PN 82	
34300 94	C45.35 35	P.97.88.R06 17	S101PN.35.10 80	T120.06.88 55	TOPSM-134.24.8 77	

R1 HORNÉ NÁSTROJE

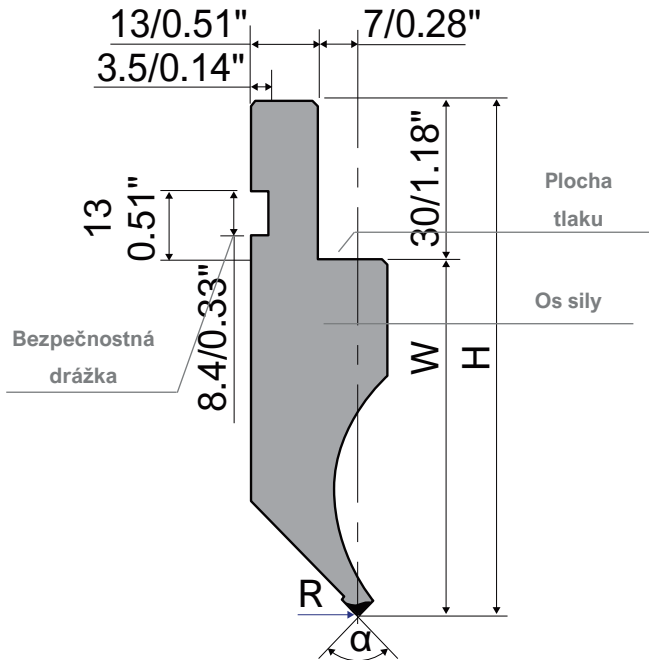
Accurl, Accurpress, ACL, Adira, Amada, Atlantic, Baykal, BL, Boschert, Boutillon, Bystronic Beyeler, Euro-B, Coastone, Colgar, Dener, Deratech, Durmazlar, Ermaksan, Farina, Gade, Gasparini, Gecko, Gilardi, Gizelis, Haco, Hindustan, HPM, Iturrospe, Jfy, JMT, LFK, Metfab, MVD, Oriance, Prima Power, Promecam, Rico, Salvagnini, Schiavi, SMD, Sorg, Somo, Vicla, Vimercati, Warcom, Yawei,...

Kódy našich nástrojov sú uvedené podľa **uhla nástroja**



ŠTANDARDNÝ UPÍNACÍ PROFIL

Sú štandardne dodávané s bezpečnostnou drážkou 8,4 x 3,5 mm pre ochranu pred vypadnutím. Výmena nástroja je vertikálna alebo horizontálna v závislosti od upínania.



ŠTANDARDNÉ DĹŽKY

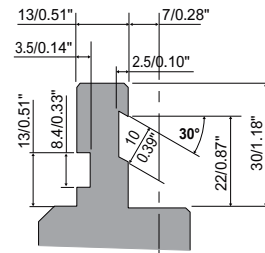
	Séria TOP	Séria CLASSIC	Séria A	Séria CFH
500 mm 19.68"	○			
522 mm 20.55"	○			
525 mm 20.67"	●			
415 mm 16.34"		●	●	●
835 mm 32.87"		●	●	●
900 mm 35.43"		○		

○ dostupné iba pre vybrané modely nástrojov

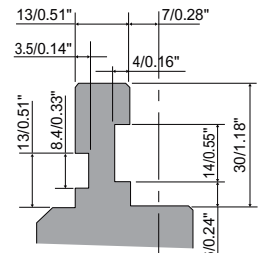


Rolleri **BLACKFIRE** je špeciálna povrchová úprava zameraná na zvýšenie odolnosti voči korózii. Vaše nástroje budú mať dlhodobú nemennú životnosť. Táto špeciálna chemická úprava je dlhodobým riešením.

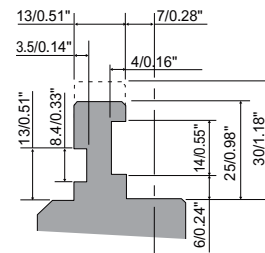
MODIFIKÁCIE PRE BEZPEČNOSTNÉ DRÁŽKY



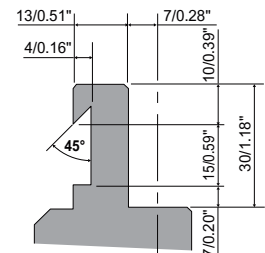
A1: Dodatočná drážka 8,4 x 3,5 mm pre pneumatické upínanie



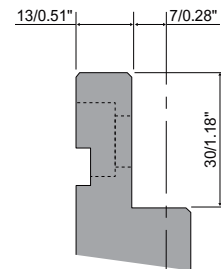
A6: Dodatočná drážka 8,4 x 3,5 mm pre R3, Bystronic-Beyeler Euro a Safan



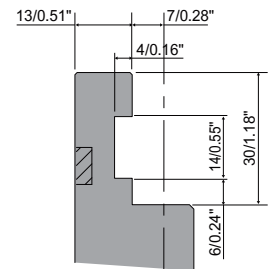
A7: Dodatočná drážka 8,4 x 3,5 mm a modifikovaná upínacia stopka pre R3, Bystronic-Beyeler Euro a Safan



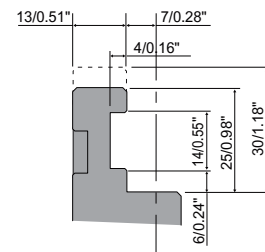
A8: Drážka pre hydraulické upínanie Gasparini



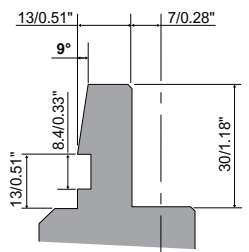
A9: Modifikovaná drážka pre R2, R3 a RX



A41: Modifikovaná drážka pre R3, Bystronic-Beyeler Euro a Safan



A42: Modifikovaná drážka pre R3, Bystronic-Beyeler Euro a Safan



OT: Modifikácia pre Amada upínací systém



Rolleri **FREEZINC** je povrchová úprava zameraná proti zachytávaniu zvyškov kovov alebo pozinkovaných, hliníkových materiálov, ktoré by zostávali na nástrojoch po ohraňovaní. Nástroje sú zároveň chránené pred oxidáciou a viac ich nie je potrebné čistiť.



TYPY ROHOV

Pri každej sérii nástrojov si skontrolujte štandardný typ rohov. Informácie o možných zmenách na ostatné typy rohov získate prostredníctvom obchod@rolleri.sk

	TOP	CLASSIC	A	CFH
<p>1</p>		•	•	•
<p>2</p>	•			
<p>2/A</p>	•			
<p>3</p>		•	•	•
<p>4</p>		•	•	•
<p>5</p>		•	•	
<p>6</p>		•	•	
<p>7</p>		•	•	



Požiadavky pre nástroje na ohrňovanie, upínacie systémy, vysekávacie nástroje, dierovacie nástroje pre Ironworker, spotrebný materiál pre lasery a iné na www.rolleri.sk/na-stiahnutie

SEGMENTOVANIE

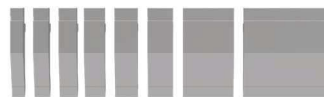
Na požiadanie je možné vykonať aj segmentáciu nástrojov s inými rozmermi. obchod@rolleri.sk vám poskytne viac informácií ohľadom ceny a skladovej dostupnosti.

◁ = ľavý roh ▷ = pravý roh

FA: 495 mm - 19.48"

mm: 25-30-35-40-45-50-100-170

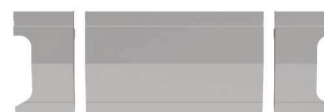
in: 0.98-1.18-1.37-1.57-1.77-1.97-3.94-9.84



FB: 500 mm - 19.68"

mm: <100-300-100>

in: <3.94-11.81-3.94>



F: 805 mm - 31.69"

mm: <100-370-10-15-20-40-50-100-100>

in: <3.94-14.56-0.39-0.59-0.78-1.57-1.97-3.94-3.94>



FC: 800 mm - 31.50"

mm: <100-10-15-20-40-50-165-300-100>

in: <3.94-0.39-0.59-0.78-1.57-1.97-6.49-11.81-3.94>



FX: 795 mm - 31.29"

mm: <100-250-20-25-30-35-40-45-50-100-100>

in: <3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.97-3.94-3.94>



FCA: 835 mm - 32.87"

mm: 100-10-15-20-40-50-200-300-100

in: 3.94-0.39-0.59-0.78-1.57-7.87-11.81-3.94



F: 800 mm - 31.49"

mm: <100-300-150-50-40-20-15-15-10-100>

in: <3.94-11.81-5.90-1.96-1.57-0.79-0.59-0.59-0.39-3.94>



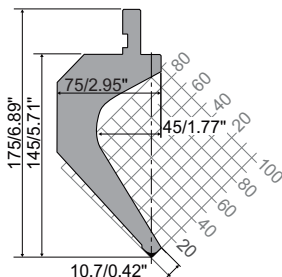
Zaregistrujte sa priamo na www.rolleri.sk.

Rolleri stránku môžete využívať na kontrolu dodacích termínov, prehľad skladových zásob a zároveň budete informovaný o našich novinkách. Sami si overíte ceny a priamo môžete zadávať objednávky.

TOP.175.85.R08

525 mm 20.67" 20.9 kg
 495 mm 19.49" 19.7 kg FA
 500 mm 19.68" 19.9 kg FB

85° >



TOP.175.85.R2

525 mm 20.67" 20.9 kg
 495 mm 19.49" 19.7 kg FA
 500 mm 19.68" 19.9 kg FB

42Cr: 900-1150 N/mm²
 900 kN/m max.

Roh 2

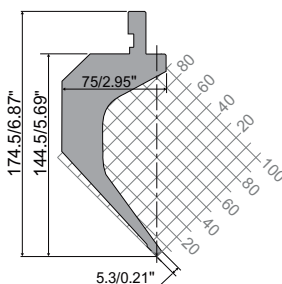
85°

W=144.30 | H=174.30 | R=2 mm
 W=5.71 | H=6.89 | R=0.031 in



TOP.175.85.R08.S

525 mm 20.67" 18.5 kg
 495 mm 19.49" 17.4 kg FA
 500 mm 19.68" 17.6 kg FB



42Cr: 900-1150 N/mm²
 200 kN/m max.

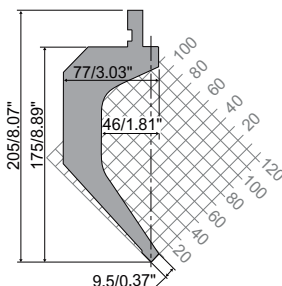
Roh 2

85°

W=144.5 | H=174.5 | R=0.8 mm
 W=5.69 | H=6.87 | R=0.031 in

TOP.205.85.R08

525 mm 20.67" 24.0 kg
 495 mm 19.49" 22.6 kg FA
 500 mm 19.68" 22.9 kg FB



TOP.205.85.R2

525 mm 20.67" 24.0 kg
 495 mm 19.49" 22.6 kg FA
 500 mm 19.68" 22.9 kg FB

42Cr: 900-1150 N/mm²
 700 kN/m max.

Roh 2

85°

W=174.30 | H=204.30 | R=2 mm
 W=6.86 | H=8.04 | R=0.079 in



42Cr: 900-1150 N/mm²
 700 kN/m max.

Roh 2

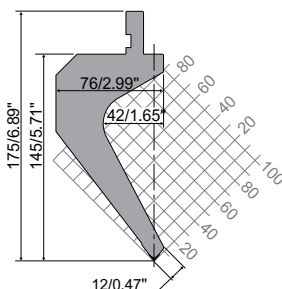
85°

W=175 | H=205 | R=0.8 mm
 W=6.89 | H=8.07 | R=0.031 in

TOP.175.75.R08

525 mm 20.67" 21.5 kg
 495 mm 19.49" 20.3 kg FA
 500 mm 19.68" 20.5 kg FB

75° >



TOP.175.75.R2

525 mm 20.67" 21.5 kg
 495 mm 19.49" 20.3 kg FA
 500 mm 19.68" 20.5 kg FB

42Cr: 900-1150 N/mm²
 700 kN/m max.

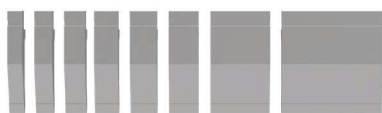
Roh 2

75°

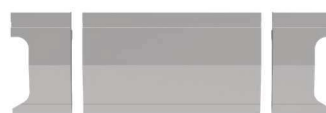
W=144.20 | H=174.30 | R=2 mm
 W=5.68 | H=6.86 | R=0.079 in



FA: 495 mm - 19.48"
 mm: 25-30-35-40-45-50-100-170
 in: 0.98-1.18-1.37-1.57-1.77-1.97-3.94-9.84



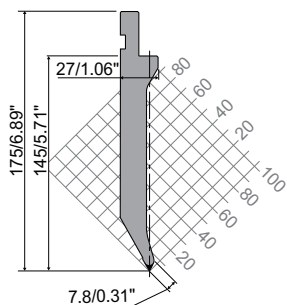
FB: 500 mm - 19.68"
 mm: <100-300-100>
 in: <3.94-11.81-3.94>



TOP.175.60.R08

525 mm 20.67" 12.0 kg
 495 mm 19.49" 11.3 kg FA
 500 mm 19.68" 11.4 kg FB

60° >



TOP.175.60.R2

525 mm 20.67" 20.9 kg
 495 mm 19.49" 19.7 kg FA
 500 mm 19.68" 19.9 kg FB

42Cr: 900-1150 N/mm²
 900 kN/m max.

Roh 2

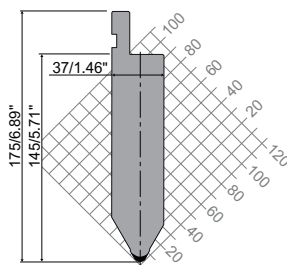
60°

W=143.80 | H=173.80 | R=2 mm
 W=5.66 | H=6.84 | R=0.079 in



TOP.175.60.R5

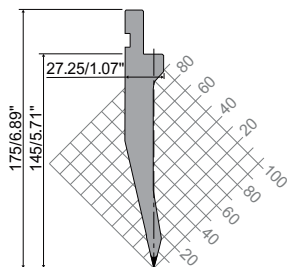
525 mm 20.67" 21.5 kg
 495 mm 19.49" 21.0 kg FA
 500 mm 19.68" 19.0 kg FB



TOP.175.26.R08

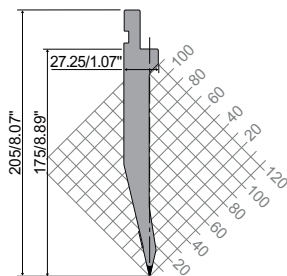
525 mm 20.67" 11.0 kg
 495 mm 19.49" 10.4 kg FA
 500 mm 19.68" 10.5 kg FB

26° >

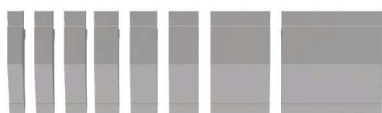


TOP.205.26.R08

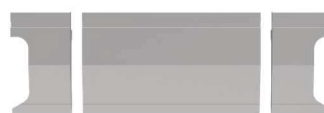
525 mm 20.67" 15.6 kg
 495 mm 19.49" 16.7 kg FA
 500 mm 19.68" 16.8 kg FB



FA: 495 mm - 19.48"
 mm: 25-30-35-40-45-50-100-170
 in: 0.98-1.18-1.37-1.57-1.77-1.97-3.94-9.84



FB: 500 mm - 19.68"
 mm: <100-300-100>
 in: <3.94-11.81-3.94>



TOP.250.26.R1

525 mm	20.67"	17.7 kg	
495 mm	19.49"	17.7 kg	FA
500 mm	19.68"	17.7 kg	FB

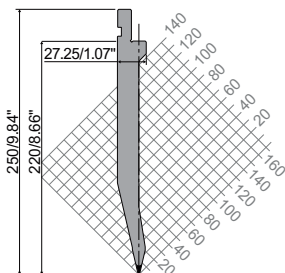
42Cr: 900-1150 N/mm²
1000 kN/m max.

Roh 2

26°

W=220 | H=250 | R=1 mm

W=8.66 | H=9.84 | R=0.039 in



Lemovacie nástroje TOP séria

Lemovacie nástroje sa používajú na tzv. predohyb a následné sploštenie materiálu - tzv. falcovanie/lemovanie pomocou použitia rovnakého setu nástrojov.

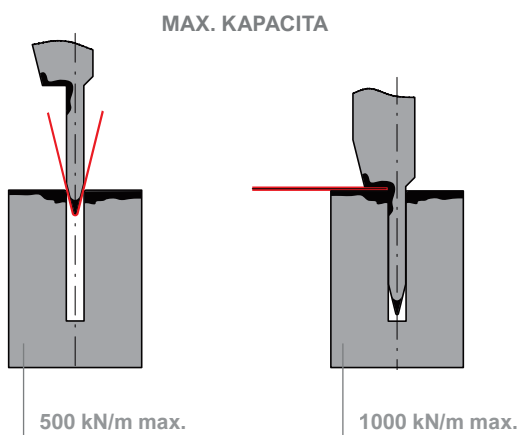
Vďaka tomu môžete spevniť hrany ohýbaného profilu. Práve preto je tento krok používaný najmä z bezpečnostných dôvodov, aby sa zabránilo náhodnému zraneniu operátora, ktorý manipuluje s materiálom.

Maximálna odporúčaná hrúbka materiálu je zvyčajne 3 mm pre čierny materiál a 2 mm pre nerezovú oceľ. Avšak aj pre hrubší materiál je možné navrhnúť špeciálne riešenie, zohľadňujúc maximálnu povolenú tonáž pre realizáciu lemovania.

Existujú 2 typy sploštenia: čiastočné a úplné sploštenie.

Čiastočné sploštenie je nie úplné sploštenie - vznikne tzv. slza. Napríklad pri sploštení materiálu hrúbky 1,5 mm vznikne slza hrúbky približne 4 mm. Tento rozmer závisí od použitej tonáže.

V nižšie uvedenej tabuľke si môžete pozrieť potrebnú tonáž podľa hrúbky a typu materiálu.

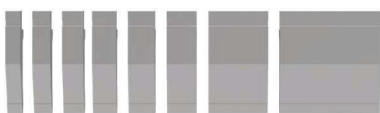


MAX. KAPACITA

500 kN/m max.

1000 kN/m max.

FA: 495 mm - 19.48"
mm: 25-30-35-40-45-50-100-170
in: 0.98-1.18-1.37-1.57-1.77-1.97-3.94-9.84

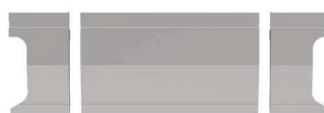


S	S	A	A	R.420 N/mm ²	R.700 N/mm ²
mm	in	mm	in	kN/m	kN/m
0.60	0.02	3.0	0.12	90	150
0.80	0.03	3.0	0.12	120	200
1.00	0.04	3.5	0.14	150	250
1.25	0.05	3.5	0.14	170	260



S	S	A	A	R.420 N/mm ²	R.700 N/mm ²
mm	in	mm	in	kN/m	kN/m
0.60	0.02	1.2	0.05	230	350
0.80	0.03	1.6	0.06	320	500
1.00	0.04	1.0	0.04	400	600
1.25	0.05	2.5	0.10	500	800

FB: 500 mm - 19.68"
mm: <100-300-100>
in: <3.94-11.81-3.94>



TOP150.30.R12

500 mm 19.68" 8.75 kg
550 mm 21.65" 9.62 kg FA

30° >

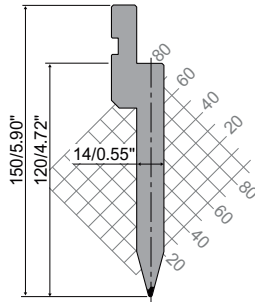


Použitie s:
SM55.14.30/C
SM55.12.30/C

C45: 560-710 N/mm²
1000 kN/m max.

30°
W=120 | H=150 | R=1.2 mm
W=4.72 | H=5.90 | R=0.047 in

NOVINKA



TOP.SP.134.28.8

525 mm 20.67" 12.0 kg
495 mm 19.49" 11.3 kg FA

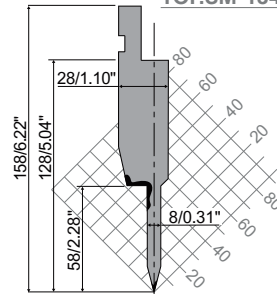
28° >



Použitie s:
TOP.SM-134.28.8
TOP.SM-134.24.8

42Cr: 900-1150 N/mm²
800 - 1000 kN/m max.

28°
W=128 | H=158 | R=0.6 mm
W=5.04 | H=6.22 | R=0.024 in



TOP.SP.134.24.8

525 mm 20.67" 11.0 kg
495 mm 19.49" 10.3 kg FA

24° >

42Cr: 900-1150 N/mm²
800 - 1000 kN/m max.

24°
W=128 | H=158 | R=0.6 mm
W=5.04 | H=6.22 | R=0.024 in



TOP.SP.134.24.10

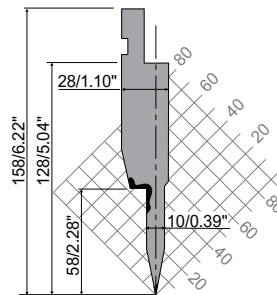
525 mm 20.67" 11.0 kg
495 mm 19.49" 10.3 kg FA



Použitie s:
TOP.SM-134.24.10

42Cr: 900-1150 N/mm²
800 - 1000 kN/m max.

24°
W=128 | H=158 | R=0.6 mm
W=5.04 | H=6.22 | R=0.024 in



TOP.SP.134.24.12

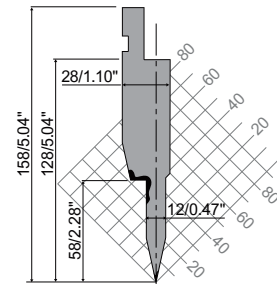
525 mm 20.67" 11.6 kg
495 mm 19.49" 11.0 kg FA



Použitie s:
TOP.SM-134.24.12

42Cr: 900-1150 N/mm²
950 kN/m max.

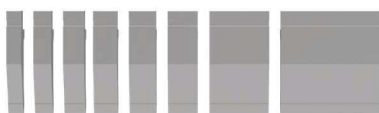
24°
W=128 | H=158 | R=0.6 mm
W=5.04 | H=6.22 | R=0.024 in



FA: 495 mm - 19.48"

mm: 25-30-35-40-45-50-100-170

in: 0.98-1.18-1.37-1.57-1.77-1.97-3.94-9.84



FW: 550 mm 21.65"

mm: <100-100-50-45-40-35-30-25-25-100>

in: <3.94-3.94-1.97-1.77-1.57-1.37-1.18-0.98-0.98-3.94>

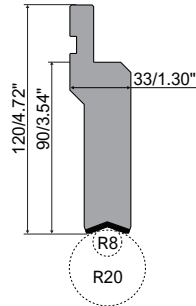


TOP.PC.120-08

522 mm 20.55" 11.0 kg
495 mm 19.49" 10.5 kg FA

42Cr: 900-1150 N/mm²
1000 kN/m max.

W=90 | H=120 mm
W=3.54 | H=4.72 in

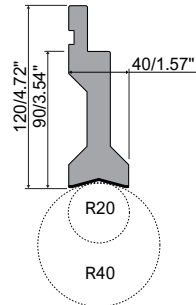


TOP.PC.120-20

522 mm 20.55" 10.5 kg
495 mm 19.49" 10 kg FA

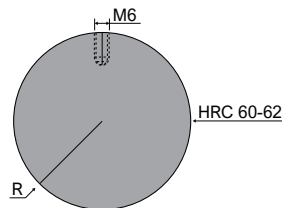
42Cr: 900-1150 N/mm²
1000 kN/m max.

W=90 | H=120 mm
W=3.54 | H=4.72 in



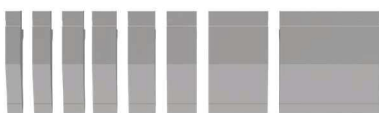
RÁDIUSOVÉ HORNÉ NÁSTROJE R08-R40

	R	R	525 mm	FA
	mm	in	20.67 in	
TOP.C08	8.0	0.31	0.8 kg	0.8 kg
TOP.C09	9.0	0.35	1.0 kg	1.0 kg
TOP.C10	10.0	0.39	1.3 kg	1.2 kg
TOP.C11	11.0	0.43	1.6 kg	1.5 kg
TOP.C12.5	12.5	0.49	2.0 kg	1.9 kg
TOP.C14	14.0	0.55	2.5 kg	2.4 kg
TOP.C15	15.0	0.59	2.9 kg	2.7 kg
TOP.C16	16.0	0.63	3.3 kg	3.1 kg
TOP.C17.5	17.5	0.69	4.0 kg	3.7 kg
TOP.C19	19.0	0.75	4.7 kg	4.4 kg
TOP.C20	20.0	0.79	5.2 kg	4.9 kg
TOP.C21	21.0	0.83	5.7 kg	5.4 kg
TOP.C22.5	22.5	0.88	6.6 kg	6.2 kg
TOP.C24	24.0	0.94	7.5 kg	7.0 kg
TOP.C25	25.0	0.98	8.1 kg	7.6 kg
TOP.C27.5	27.5	1.08	9.8 kg	9.2 kg
TOP.C30	30.0	1.18	11.6 kg	11.0 kg
TOP.C32.5	32.5	1.28	13.7 kg	12.9 kg
TOP.C35	35.0	1.14	15.9 kg	14.9 kg
TOP.C37.5	37.5	1.47	18.2 kg	17.2 kg
TOP.C40	40.0	1.57	20.7 kg	19.5 kg



C53: 610 -760 N/mm²
1000 kN/m max.

FA: 495 mm - 19.48"
mm: 25-30-35-40-45-50-100-170
in: 0.98-1.18-1.37-1.57-1.77-1.97-3.94-9.84



Cieľom príručky ohraňovania "Bending handbook" je vám dodať praktické a užitočné informácie k rýchlemu dosiahnutiu požadovaných výsledkov. Nájdete v nej množstvo príkladov, jednoduchých vzorcov a informácií, ktoré správne vysvetľujú prístup k procesu samotného ohraňovania.

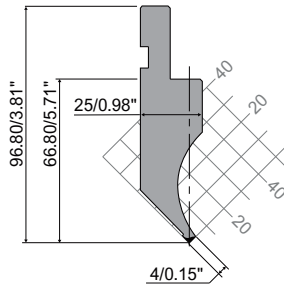




PK.97.90.R06

835 mm	32.87"	10.5 kg	
415 mm	16.34"	5.2 kg	
795 mm	31.29"	10.1 kg	FX
805 mm	31.69"	10.1 kg	F

90° >



P.97.90.R025

835 mm	32.87"	10.5 kg	
415 mm	16.34"	5.2 kg	
795 mm	31.29"	10.1 kg	FX
805 mm	31.69"	10.1 kg	F

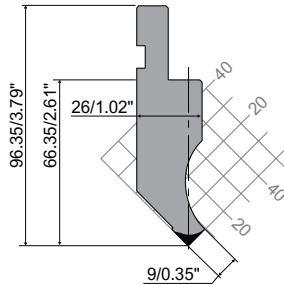
42Cr: 900-1150 N/mm²
350 kN/m max.
Roh 1

90°
W=66.80 | H=96.80 | R=0.25 mm
W=5.71 | H=3.81 | R=0.010 in



PK.97.90.R08

835 mm	32.87"	11 kg	
415 mm	16.34"	5.5 kg	
795 mm	31.29"	10.5 kg	FX
805 mm	31.69"	10.5 kg	F



PK.97.90.R025

835 mm	32.87"	11 kg	
415 mm	16.34"	5.5 kg	
795 mm	31.29"	10.5 kg	FX
805 mm	31.69"	10.5 kg	F

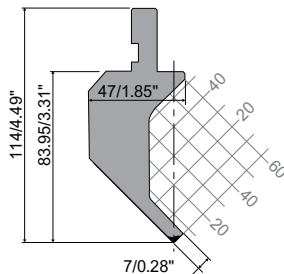
C45: 560-710 N/mm²
1000 kN/m max.
Roh 1

90°
W=66.35 | H=96.35 | R=0.25 mm
W=2.61 | H=3.79 | R=0.010 in



PK.114.90.R06

835 mm	32.87"	15.6 kg	
415 mm	16.34"	7.7 kg	
795 mm	31.29"	14.8 kg	FX
805 mm	31.69"	15.0 kg	F

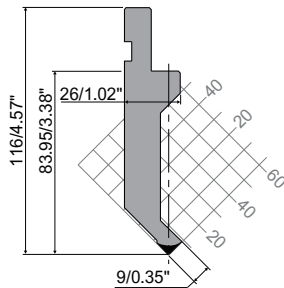


42Cr: 900-1150 N/mm²
950 kN/m max.
Roh 2

90°
W=83.95 | H=114 | R=0.6 mm
W=3.31 | H=4.49 | R=0.02 in

PK.116.90.R08

835 mm	32.87"	13 kg	
415 mm	16.34"	6.5 kg	
795 mm	31.29"	12.3 kg	FX
805 mm	31.69"	12.5 kg	F



C45: 560-710 N/mm²
400 kN/m max.
Roh 1

90°
W=83.95 | H=116 | R=0.8 mm
W=3.38 | H=4.57 | R=0.031 in

FX: 795 mm - 31.29"

mm: <100-250-20-25-30-35-40-45-50-100-100>

in: <3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.97-3.94-3.94>

F: 805 mm - 31.69"

mm: <100-370-10-15-20-40-50-100-100>

in: <3.94-14.56-0.39-0.59-0.78-1.57-1.97-3.94-3.94>

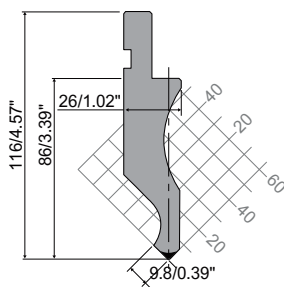


DK.116.90.R08

835 mm	32.87"	11.9 kg	
415 mm	16.34"	5.8 kg	
795 mm	31.29"	11.3 kg	FX
805 mm	31.69"	11.5 kg	F

C45: 560-710 N/mm²
500 kN/m max.
Roh 1

90°
W=86 | H=116 | R=0.8 mm
W=3.39 | H=4.57 | R=0.031 in

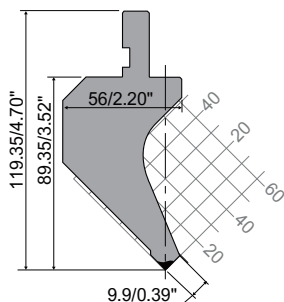


PK.120.90.R08

835 mm	32.87"	21.0 kg	
415 mm	16.34"	10.5 kg	
795 mm	31.29"	20.0 kg	FX
805 mm	31.69"	20.2 kg	F

C45: 560-710 N/mm²
600 kN/m max.
Roh 1

90°
W=89.35 | H=119.35 | R=0.8 mm
W=3.52 | H=4.70 | R=0.031 in



PK.120.90.R025

835 mm	32.87"	21.0 kg	
415 mm	16.34"	10.5 kg	
795 mm	31.29"	20.0 kg	FX
805 mm	31.69"	20.2 kg	F

C45: 560-710 N/mm²
600 kN/m max.
Roh 1

90°
W=89.6 | H=119.6 | R=0.25 mm
W=3.53 | H=4.71 | R=0.010 in

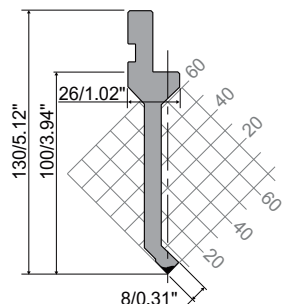


P.130.90.R06

835 mm	32.87"	9.8 kg	
415 mm	16.34"	4.9 kg	
795 mm	31.29"	9.3 kg	FX
805 mm	31.69"	9.4 kg	F

42Cr: 900-1150 N/mm²
350 kN/m max.
Roh 1

90°
W=100 | H=130 | R=0.6 mm
W=3.94 | H=5.12 | R=0.024 in



P.130.90.R025

835 mm	32.87"	9.8 kg	
415 mm	16.34"	4.9 kg	
795 mm	31.29"	9.3 kg	FX
805 mm	31.69"	9.4 kg	F

42Cr: 900-1150 N/mm²
350 kN/m max.
Roh 1

90°
W=100 | H=130 | R=0.25 mm
W=3.94 | H=5.12 | R=0.010 in

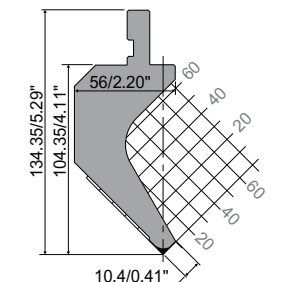


PK.135.90.R08

835 mm	32.87"	22.7 kg	
415 mm	16.34"	11.3 kg	
795 mm	31.29"	21.7 kg	FX
805 mm	31.69"	22.0 kg	F

C45: 560-710 N/mm²
500 kN/m max.
Roh 1

90°
W=104.35 | H=134.35 | R=0.8 mm
W=4.11 | H=5.29 | R=0.031 in



PK.135.90.R025

835 mm	32.87"	22.7 kg	
415 mm	16.34"	11.3 kg	
795 mm	31.29"	21.7 kg	FX
805 mm	31.69"	22.0 kg	F

C45: 560-710 N/mm²
500 kN/m max.
Roh 1

90°
W=104.6 | H=134.6 | R=0.25 mm
W=4.12 | H=5.30 | R=0.010 in



FX: 795 mm - 31.29"

mm: <100-250-20-25-30-35-40-45-50-100-100>

in: <3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.97-3.94-3.94>

F: 805 mm - 31.69"

mm: 100-370-10-15-20-40-50-100-100

in: 3.94-14.56-0.39-0.59-0.78-1.57-1.97-3.94-3.94

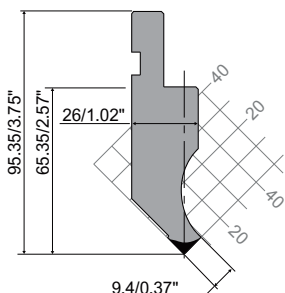




P.95.88.R3

835 mm	32.87"	11 kg	
415 mm	16.34"	5.5 kg	
795 mm	31.29"	10.5 kg	FX
805 mm	31.69"	10.6 kg	F

88° >

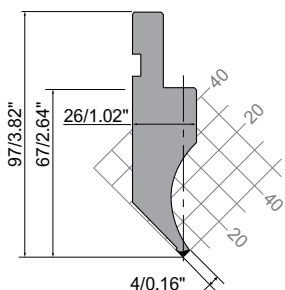


C45: 560-710 N/mm²
1000 kN/m max.
Roh 1

88°
W=65.35 | H=95.35 | R=3 mm
W=2.57 | H=3.75 | R=0.12 in

P.97.88.R06

835 mm	32.87"	9.5 kg	
415 mm	16.34"	5.0 kg	
795 mm	31.29"	9.2 kg	FX
805 mm	31.69"	9.5 kg	F
900 mm	35.43"	11.0 kg	



P.97.88.R025

835 mm	32.87"	9.5 kg	
415 mm	16.34"	5 kg	
795 mm	31.29"	9.2 kg	FX
805 mm	31.69"	9.5 kg	F
900 mm	35.43"	11.0 kg	

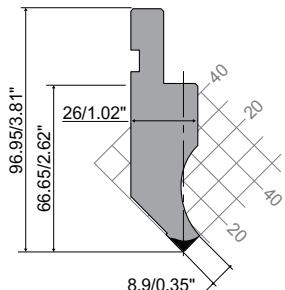
C45: 560-710 N/mm²
350 kN/m max.
Roh 1

88°
W=66.95 | H=96.95 | R=0.25 mm
W=2.64 | H=3.82 | R=0.010 in



P.97.88.R08

835 mm	32.87"	11.1 kg	
415 mm	16.34"	5.5 kg	
795 mm	31.29"	10.6 kg	FX
805 mm	31.69"	10.7 kg	F
900 mm	35.43"	11.9 kg	



PK.97.88.R025

835 mm	32.87"	11.1 kg	
415 mm	16.34"	5.5 kg	
795 mm	31.29"	10.6 kg	FX
805 mm	31.69"	10.7 kg	F
900 mm	35.43"	11.9 kg	

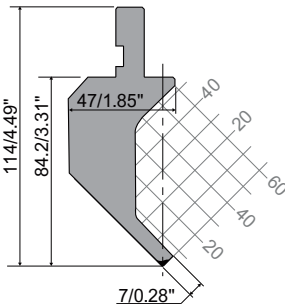
C45: 560-710 N/mm²
1000 kN/m max.
Roh 1

88°
W=66.60 | H=96.60 | R=0.25 mm
W=2.62 | H=3.80 | R=0.010 in



P.114.88.R06

835 mm	32.87"	15.6 kg	
415 mm	16.34"	7.7 kg	
795 mm	31.29"	14.8 kg	FX
805 mm	31.69"	15.0 kg	F



42Cr: 900-1150 N/mm²
200 kN/m max.
Roh 1

88°
W=84.20 | H=114 | R=0.6 mm
W=3.31 | H=4.49 | R=0.024 in

FX: 795 mm - 31.29"

mm: <100-250-20-25-30-35-40-45-50-100-100>

in: <3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.97-3.94-3.94>

F: 805 mm - 31.69"

mm: <100-370-10-15-20-40-50-100-100>

in: <3.94-14.56-0.39-0.59-0.78-1.57-1.97-3.94-3.94>

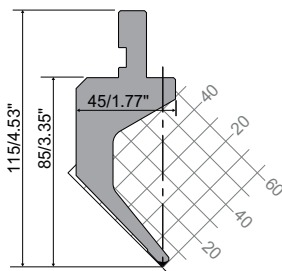


P.115.88.R06

835 mm	32.87"	13.0 kg
415 mm	16.34"	6.5 kg
795 mm	31.29"	12.4 kg FX
805 mm	31.69"	12.6 kg F

42Cr: 900-1150 N/mm²
130 kN/m max.
Roh 1

88°
W=85 | H=115 | R=0.6 mm
W=3.35 | H=4.53 | R=0.024 in

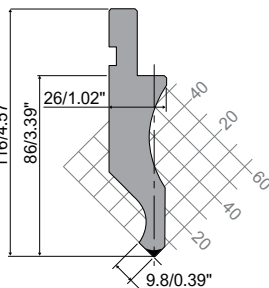


D.116.88.R08

835 mm	32.87"	11.9 kg
415 mm	16.34"	5.8 kg
795 mm	31.29"	11.3 kg FX
805 mm	31.69"	11.5 kg F

C45: 560-710 N/mm²
500 kN/m max.
Roh 1

88°
W=86.00 | H=116.00 | R=0.8 mm
W=3.39 | H=4.57 | R=0.031 in

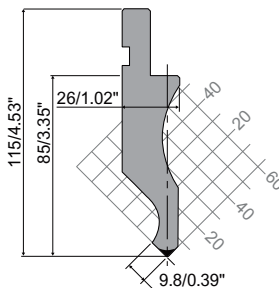


D.116.88.R3

835 mm	32.87"	11.9 kg
415 mm	16.34"	5.8 kg
795 mm	31.29"	11.3 kg FX
805 mm	31.69"	11.5 kg F

C45: 560-710 N/mm²
500 kN/m max.
Roh 1

88°
W=85.00 | H=115.00 | R=3 mm
W=3.35 | H=4.53 | R=0.118 in

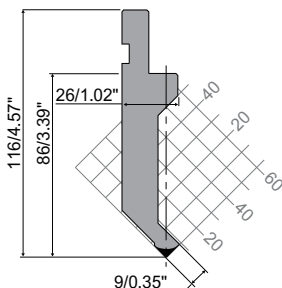


P.116.88.R08

835 mm	32.87"	12.0 kg
415 mm	16.34"	6.0 kg
795 mm	31.29"	11.4 kg FX
805 mm	31.69"	11.5 kg F

C45: 560-710 N/mm²
400 kN/m max.
Roh 1

88°
W=86 | H=116 | R=0.8 mm
W=3.39 | H=4.57 | R=0.031 in

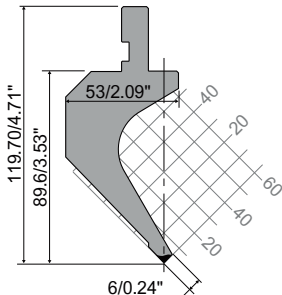


PS.120.88.R08

835 mm	32.87"	16.4 kg
415 mm	16.34"	8.2 kg
795 mm	31.29"	15.6 kg FX
805 mm	31.69"	15.8 kg F

C45: 560-710 N/mm²
450 kN/m max.
Roh 1

88°
W=89.70 | H=119.70 | R=0.8 mm
W=3.53 | H=4.71 | R=0.031 in



FX: 795 mm - 31.29"

mm: <100-250-20-25-30-35-40-45-50-100-100>
in: <3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.97-3.94-3.94>

F: 805 mm - 31.69"

mm: <100-370-10-15-20-40-50-100-100>
in: <3.94-14.56-0.39-0.59-0.78-1.57-1.97-3.94-3.94>



P.125.88.R025

835 mm	32.87"	9.1 kg
415 mm	16.34"	4.5 kg
795 mm	31.29"	8.7 kg FX
805 mm	31.69"	8.8 kg F

42Cr: 900-1150 N/mm²

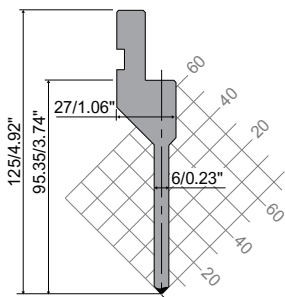
500 kN/m max.

Roh 1

88°

W=95.35 | H=125 | R=0.25 mm

W=3.74 | H=4.92 | R=0.010 in



P.120.88.R08

835 mm	32.87"	21.4 kg
415 mm	16.34"	10.7 kg
795 mm	31.29"	20.5 kg FX
805 mm	31.69"	20.7 kg F

C45: 560-710 N/mm²

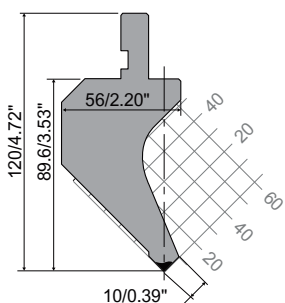
600 kN/m max.

Roh 1

88°

W=89.65 | H=120.00 | R=0.8 mm

W=3.53 | H=4.72 | R=0.031 in



PK.120.88.R025

835 mm	32.87"	21.4 kg
415 mm	16.34"	10.7 kg
795 mm	31.29"	20.5 kg FX
805 mm	31.69"	20.7 kg F

C45: 560-710 N/mm²

600 kN/m max.

Roh 1

88°

W=89.6 | H=120.0 | R=0.25 mm

W=3.53 | H=4.72 | R=0.010 in



P.120.88.R3

835 mm	32.87"	21.4 kg
415 mm	16.34"	10.7 kg
795 mm	31.29"	20.5 kg FX
805 mm	31.69"	20.7 kg F

C45: 560-710 N/mm²

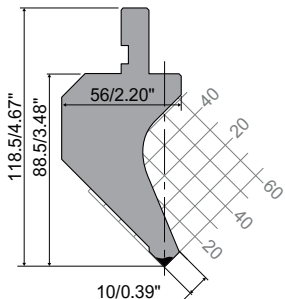
600 kN/m max.

Roh 1

88°

W=88.50 | H=118.50 | R=3 mm

W=3.48 | H=4.67 | R=0.118 in



P.130.88.R06

835 mm	32.87"	9.8 kg
415 mm	16.34"	4.9 kg
795 mm	31.29"	9.3 kg FX
805 mm	31.69"	9.4 kg F
900 mm	35.43"	10.6 kg

42Cr: 900-1150 N/mm²

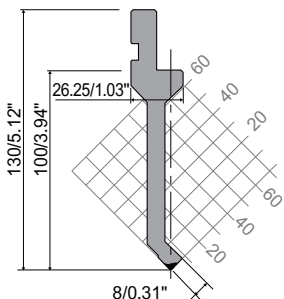
350 kN/m max.

Roh 1

88°

W=100 | H=130 | R=0.6 mm

W=3.94 | H=5.12 | R=0.024 in



PK.130.88.R025

835 mm	32.87"	9.8 kg
415 mm	16.34"	4.9 kg
795 mm	31.29"	9.3 kg FX
805 mm	31.69"	9.4 kg F
900 mm	35.43"	10.6 kg

42Cr: 900-1150 N/mm²

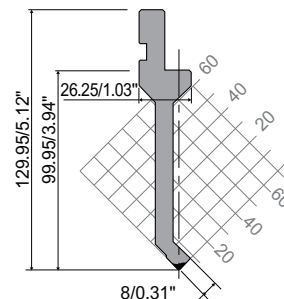
350 kN/m max.

Roh 1

88°

W=99.95 | H=129.95 | R=0.25 mm

W=3.94 | H=5.12 | R=0.010 in



FX: 795 mm - 31.29"

mm: <100-250-20-25-30-35-40-45-50-100-100>

in: <3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.97-3.94-3.94>

F: 805 mm - 31.69"

mm: <100-370-10-15-20-40-50-100-100>

in: <3.94-14.56-0.39-0.59-0.78-1.57-1.97-3.94-3.94>

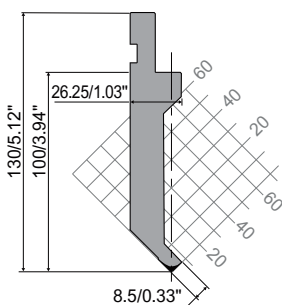


P.130.88.R08

835 mm	32.87"	13.7 kg	
415 mm	16.34"	6.8 kg	
795 mm	31.29"	13.0 kg	FX
805 mm	31.69"	13.2 kg	F

C45: 560-710 N/mm²
400 kN/m max.
Roh 1

88°
W=100.0 | H=130.0 | R=0.8 mm
W=3.94 | H=5.12 | R=0.031 in



P.130.88.R025

835 mm	32.87"	13.7 kg	
415 mm	16.34"	6.8 kg	
795 mm	31.29"	13.0 kg	FX
805 mm	31.69"	13.2 kg	F

C45: 560-710 N/mm²
400 kN/m max.
Roh 1

88°
W=100.0 | H=130.0 | R=0.25 mm
W=3.94 | H=5.12 | R=0.010 in

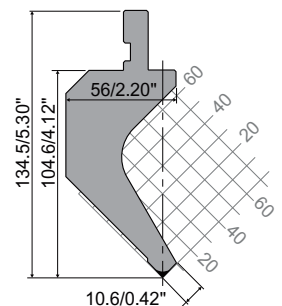


P.135.88.R08

835 mm	32.87"	22.7 kg	
415 mm	16.34"	11.3 kg	
795 mm	31.29"	21.7 kg	FX
805 mm	31.69"	22.0 kg	F

C45: 560-710 N/mm²
500 kN/m max.
Roh 1

88°
W=104.6 | H=134.5 | R=0.8 mm
W=4.12 | H=5.30 | R=0.031 in



PK.135.88.R025

835 mm	32.87"	22.7 kg	
415 mm	16.34"	11.3 kg	
795 mm	31.29"	21.7 kg	FX
805 mm	31.69"	22.0 kg	F

C45: 560-710 N/mm²
500 kN/m max.
Roh 1

88°
W=104.6 | H=134.5 | R=0.25 mm
W=4.12 | H=5.30 | R=0.010 in

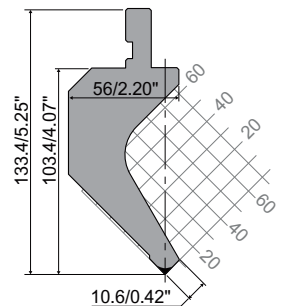


P.135.88.R3

835 mm	32.87"	22.7 kg	
415 mm	16.34"	11.3 kg	
795 mm	31.29"	21.7 kg	FX
805 mm	31.69"	22.0 kg	F

C45: 560-710 N/mm²
500 kN/m max.
Roh 1

88°
W=103.4 | H=133.4 | R=3.0 mm
W=4.07 | H=5.25 | R=0.118 in

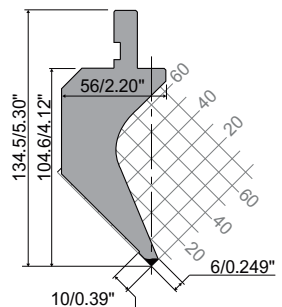


PS.135.88.R08

835 mm	32.87"	22.2 kg	
415 mm	16.34"	11.0 kg	
795 mm	31.29"	21.1 kg	FX
805 mm	31.69"	21.4 kg	F

C45: 560-710 N/mm²
450 kN/m max.
Roh 1

88°
W=104.6 | H=134.5 | R=0.8 mm
W=4.12 | H=5.30 | R=0.031 in



FX: 795 mm - 31.29"

mm: <100-250-20-25-30-35-40-45-50-100-100>
in: <3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.97-3.94-3.94>

F: 805 mm - 31.69"

mm: <100-370-10-15-20-40-50-100-100>
in: <3.94-14.56-0.39-0.59-0.78-1.57-1.97-3.94-3.94>



PR.135.88.R08

835 mm	32.87"	23.8 kg
415 mm	16.34"	11.8 kg
795 mm	31.29"	22.7 kg FX
805 mm	31.69"	23.0 kg F

C45: 560-710 N/mm²

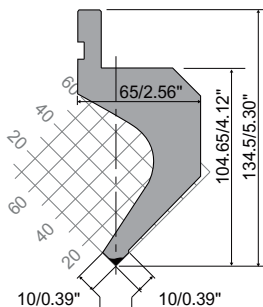
450 kN/m max.

Roh 1

88°

W=104.65 | H=134.5 | R=0.8 mm

W=4.12 | H=5.30 | R=0.031 in



P.150.88.R08

835 mm	32.87"	21.2 kg
415 mm	16.34"	10.6 kg
795 mm	31.29"	20.2 kg FX
805 mm	31.69"	20.5 kg F
900 mm	35.43"	22.9 kg

42Cr: 900-1150 N/mm²

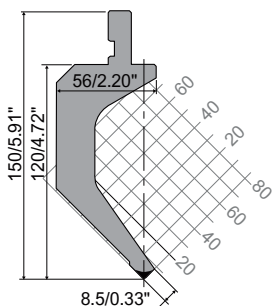
500 kN/m max.

Roh 1

88°

W=120.0 | H=150.0 | R=0.8 mm

W=4.72 | H=5.91 | R=0.031 in



P.150.88.R3

835 mm	32.87"	21.2 kg
415 mm	16.34"	10.6 kg
795 mm	31.29"	20.2 kg FX
805 mm	31.69"	20.5 kg F
900 mm	35.43"	22.9 kg

42Cr: 900-1150 N/mm²

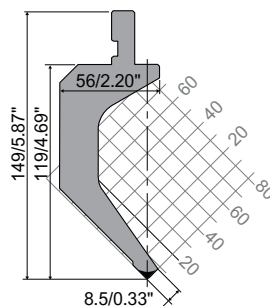
500 kN/m max.

Roh 1

88°

W=119.0 | H=149.0 | R=3.0 mm

W=4.69 | H=5.87 | R=0.118 in



P.150.88.R06

835 mm	32.87"	10.9 kg
415 mm	16.34"	5.4 kg
795 mm	31.29"	10.3 kg FX
805 mm	31.69"	10.4 kg F
900 mm	35.43"	11.7 kg

42Cr: 900-1150 N/mm²

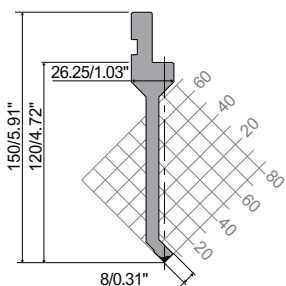
350 kN/m max.

Roh 1

88°

W=120.0 | H=150.0 | R=0.6 mm

W=4.72 | H=5.91 | R=0.024 in



P.150.88.R025

835 mm	32.87"	10.2 kg
415 mm	16.34"	5.0 kg
795 mm	31.29"	9.7 kg FX
805 mm	31.69"	9.8 kg F

42Cr: 900-1150 N/mm²

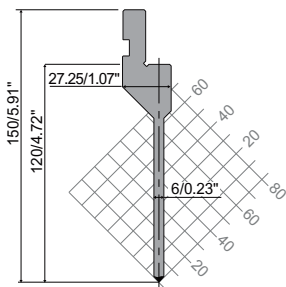
500 kN/m max.

Roh 1

88°

W=120 | H=150 | R=0.25 mm

W=4.72 | H=5.91 | R=0.010 in



FX: 795 mm - 31.29"

mm: <100-250-20-25-30-35-40-45-50-100-100>

in: <3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.97-3.94-3.94>

F: 805 mm - 31.69"

mm: <100-370-10-15-20-40-50-100-100>

in: <3.94-14.56-0.39-0.59-0.78-1.57-1.97-3.94-3.94>

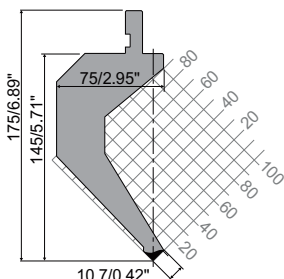


P.175.88.R08

835 mm	32.87"	35.7 kg	
415 mm	16.34"	17.7 kg	
795 mm	31.29"	34.0 kg	FX
805 mm	31.69"	34.4 kg	F

C45: 560-710 N/mm²
400 kN/m max.
Roh 1

88°
W=145.0 | H=175.0 | R=0.8 mm
W=5.71 | H=6.89 | R=0.031 in

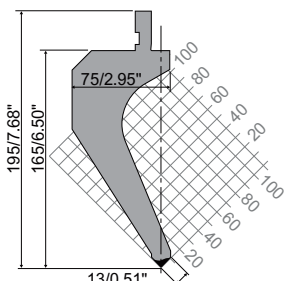


P.195.88.R08

835 mm	32.87"	40.8 kg	
415 mm	16.34"	20.3 kg	
795 mm	31.29"	38.8 kg	FX
805 mm	31.69"	39.3 kg	F

C45: 560-710 N/mm²
600 kN/m max.
Roh 1

88°
W=165 | H=195 | R=0.8 mm
W=6.50 | H=7.68 | R=0.031 in

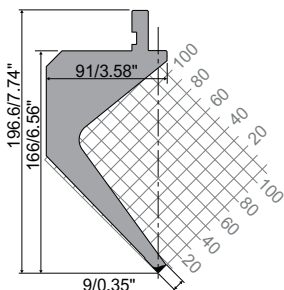


P.196.88.R06

835 mm	32.87"	42.0 kg	
415 mm	16.34"	20.8 kg	
795 mm	31.29"	40.0 kg	FX
805 mm	31.69"	40.4 kg	F
905 mm	35.43"	45.2 kg	

C45: 560-710 N/mm²
400 kN/m max.
Roh 1

88°
W=166.6 | H=196.6 | R=0.6 mm
W=6.56 | H=7.74 | R=0.024 in



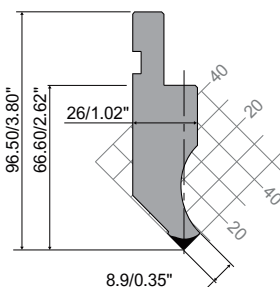
P.97.85.R08

835 mm	32.87"	11.0 kg	
415 mm	16.34"	5.5 kg	
795 mm	31.29"	10.4 kg	FX
805 mm	31.69"	10.6 kg	F

C45: 560-710 N/mm²
1000 kN/m max.
Roh 1

85°
W=66.60 | H=96.50 | R=0.8 mm
W=2.62 | H=3.80 | R=0.031 in

85° >

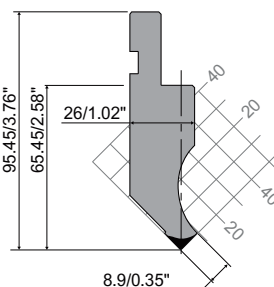


PK.95.85.R3

835 mm	32.87"	11 kg	
415 mm	16.34"	5.5 kg	
795 mm	31.29"	10.4 kg	FX
805 mm	31.69"	10.6 kg	F

C45: 560-710 N/mm²
1000 kN/m max.
Roh 1

85°
W=65.45 | H=95.45 | R=3 mm
W=2.58 | H=3.76 | R=0.118 in



FX: 795 mm - 31.29"

mm: <100-250-20-25-30-35-40-45-50-100-100>
in: <3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.97-3.94-3.94>



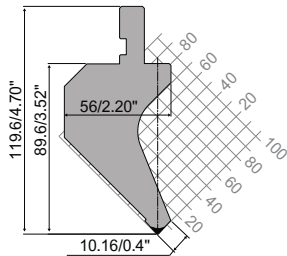
F: 805 mm - 31.69"

mm: <100-370-10-15-20-40-50-100-100>
in: <3.94-14.56-0.39-0.59-0.78-1.57-1.97-3.94-3.94>



PK.120.85.R08

835 mm 32.87" 15.6 kg
 415 mm 16.34" 7.7 kg
 795 mm 31.29" 14.8 kg FX
 805 mm 31.69" 15.0 kg F

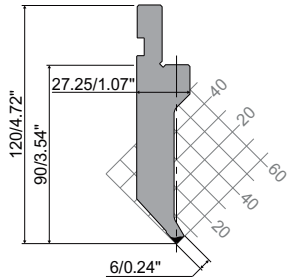


C45: 560-710 N/mm²
 600 kN/m max.
 Roh 1

85°
 W=89.6 | H=119.6 | R=0.8 mm
 W=3.52 | H=4.70 | R=0.031 in

P.120.85.R1

835 mm 32.87" 13.5 kg
 415 mm 16.34" 6.7 kg
 795 mm 31.29" 12.9 kg FX
 805 mm 31.69" 19 kg F

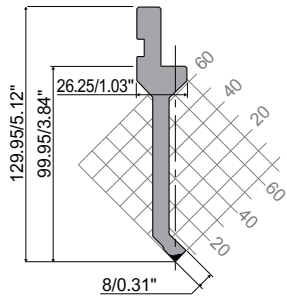


42Cr: 900-1150 N/mm²
 800 kN/m max.
 Roh 1

85°
 W=90.0 | H=120.0 | R=1 mm
 W=3.54 | H=4.72 | R=0.039 in

P.130.85.R025

835 mm 32.87" 9.8 kg
 415 mm 16.34" 4.9 kg
 795 mm 31.29" 9.3 kg FX
 805 mm 31.69" 9.4 kg F

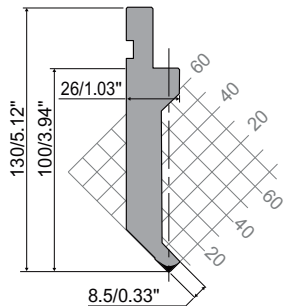


42Cr: 900-1150 N/mm²
 350 kN/m max.
 Roh 1

85°
 W=99.95 | H=129.95 | R=0.25 mm
 W=3.84 | H=5.12 | R=0.010 in

P.130.85.R08

835 mm 32.87" 13.7 kg
 415 mm 16.34" 6.8 kg
 795 mm 31.29" 13 kg FX
 805 mm 31.69" 13.2 kg F



C45: 560-710 N/mm²
 400 kN/m max.
 Roh 1

85°
 W=100 | H=130 | R=0.8 mm
 W=3.94 | H=5.12 | R=0.031 in

FX: 795 mm - 31.29"

mm: <100-250-20-25-30-35-40-45-50-100-100>
 in: <3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.97-3.94-3.94>



F: 805 mm - 31.69"

mm: <100-370-10-15-20-40-50-100-100>
 in: <3.94-14.56-0.39-0.59-0.78-1.57-1.97-3.94-3.94>

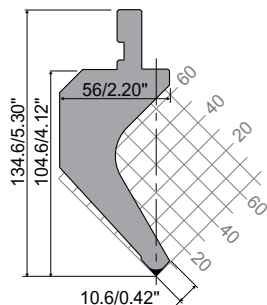


PK.135.85.R08

835 mm	32.87"	22.2 kg	
415 mm	16.34"	11.0 kg	
795 mm	31.29"	21.7 kg	FX
805 mm	31.69"	21.7 kg	F

C45: 560-710 N/mm²
500 kN/m max.
Roh 1

85°
W=104.6 | H=134.6 | R=0.8 mm
W=4.12 | H=5.30 | R=0.031 in

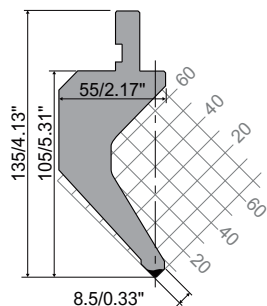


P.135.85.R08

835 mm	32.87"	20.9 kg	
415 mm	16.34"	10.4 kg	
795 mm	31.29"	19.2 kg	FX
805 mm	31.69"	20.2 kg	F

42Cr: 900-1150 N/mm²
800 kN/m max.
Roh 1

85°
W=105 | H=135 | R=0.8 mm
W=5.31 | H=4.13 | R=0.031 in

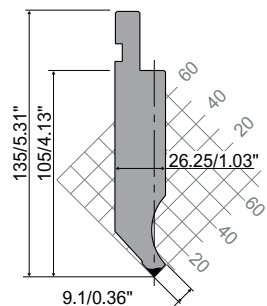


PS.135.85.R08

835 mm	32.87"	17.7 kg	
415 mm	16.34"	8.8 kg	
795 mm	31.29"	16.9 kg	FX
805 mm	31.69"	17.1 kg	F

C45: 560-710 N/mm²
1000 kN/m max.
Roh 1

85°
W=105 | H=135 | R=0.8 mm
W=4.13 | H=5.31 | R=0.031 in

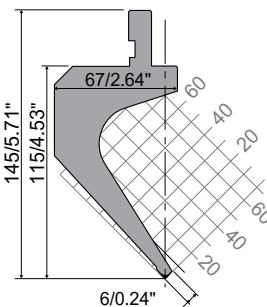


P.145.85.R08

835 mm	32.87"	22.6 kg	
415 mm	16.34"	11.2 kg	
795 mm	31.29"	21.5 kg	FX
805 mm	31.69"	21.8 kg	F

42Cr: 900-1150 N/mm²
600 kN/m max.
Roh 1

85°
W=115 | H=145 | R=0.8 mm
W=4.53 | H=5.71 | R=0.031 in



FX: 795 mm - 31.29"

mm: <100-250-20-25-30-35-40-45-50-100-100>
in: <3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.97-3.94-3.94>



F: 805 mm - 31.69"

mm: <100-370-10-15-20-40-50-100-100>
in: <3.94-14.56-0.39-0.59-0.78-1.57-1.97-3.94-3.94>

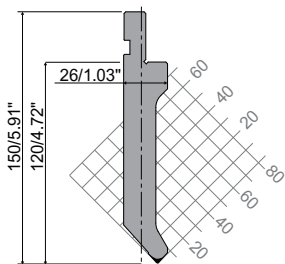


P.150.85.R1

835 mm 32.87" 17.5 kg
 415 mm 16.34" 8.7 kg
 795 mm 31.29" 16.6 kg FX
 805 mm 31.69" 16.6 kg F

C45: 560-710 N/mm²
 700 kN/m max.
 Roh 1

85°
 W=120 | H=150 | R=1.0 mm
 W=4.72 | H=5.91 | R=0.039 in

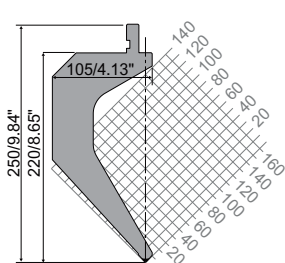


P.250.85.R15

415 mm 16.34" 33.1 kg
 795 mm 31.29" 63.3 kg FX

42Cr: 900-1150 N/mm²
 800 kN/m max.
 Roh 1

85°
 W=220.0 | H=250.0 | R=1.5 mm
 W=8.65 | H=9.84 | R=0.059 in



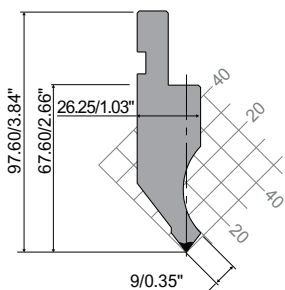
P.97.75.R08

835 mm 32.87" 11 kg
 415 mm 16.34" 5.4 kg
 795 mm 31.29" 10.4 kg FX
 805 mm 31.69" 10.6 kg F

75° >

42Cr: 900-1150 N/mm²
 1000 kN/m max.
 Roh 1

75°
 W=67.60 | H=97.60 | R=0.8 mm
 W=2.66 | H=3.84 | R=0.031 in

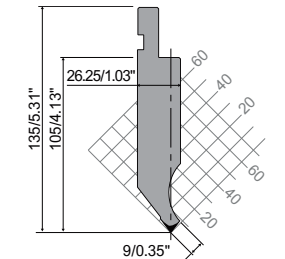


P.135.75.R08

835 mm 32.87" 17.5 kg
 415 mm 16.34" 8.7 kg
 795 mm 31.29" 16.7 kg FX
 805 mm 31.69" 16.9 kg F

42Cr: 900-1150 N/mm²
 1000 kN/m max.
 Roh 1

75°
 W=105 | H=135 | R=0.8 mm
 W= 4.13 | H=5.31 | R=0.031 in



FX: 795 mm - 31.29"

mm: <100-250-20-25-30-35-40-45-50-100-100>
 in: <3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.97-3.94-3.94>



F: 805 mm - 31.69"

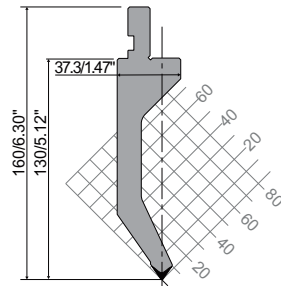
mm: <100-370-10-15-20-40-50-100-100>
 in: <3.94-14.56-0.39-0.59-0.78-1.57-1.97-3.94-3.94>



P.160.70.R08

835 mm	32.87"	18 kg	
415 mm	16.34"	8.9 kg	
795 mm	31.29"	17.0 kg	FX
805 mm	31.69"	17.3 kg	F

70° >



P.160.70.R3

835 mm	32.87"	18 kg	
415 mm	16.34"	8.9 kg	
795 mm	31.29"	17.0 kg	FX
805 mm	31.69"	17.3 kg	F

42Cr: 900-1150 N/mm²
450 kN/m max.
Roh 1

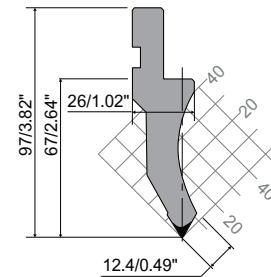
70°
W=130 | H=160 | R=0.8 mm
W=5.12 | H=6.30 | R=0.118 in



P.97.60.R08

835 mm	32.87"	9.0 kg	
415 mm	16.34"	4.5 kg	
795 mm	31.29"	8.5 kg	FX
805 mm	31.69"	8.7 kg	F

60° >



P.97.60.R2

835 mm	32.87"	9.0 kg	
415 mm	16.34"	4.5 kg	
795 mm	31.29"	8.5 kg	FX
805 mm	31.69"	8.7 kg	F

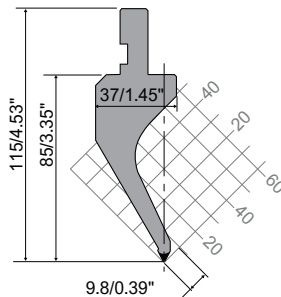
C45: 560-710 N/mm²
600 kN/m max.
Roh 1

60°
W=67 | H=97 | R=0.8 mm
W=2.64 | H=3.82 | R=0.079 in



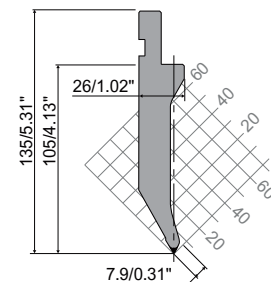
P.115.60.R08

835 mm	32.87"	11.9 kg	
415 mm	16.34"	5.9 kg	
795 mm	31.29"	10.3 kg	FX
805 mm	31.69"	10.4 kg	F



P.135.60.R08

835 mm	32.87"	14.0 kg	
415 mm	16.34"	6.9 kg	
795 mm	31.29"	13.3 kg	FX
805 mm	31.69"	13.5 kg	F



FX: 795 mm - 31.29"

mm: <100-250-20-25-30-35-40-45-50-100-100>
in: <3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.97-3.94-3.94>

F: 805 mm - 31.69"

mm: <100-370-10-15-20-40-50-100-100>
in: <3.94-14.56-0.39-0.59-0.78-1.57-1.97-3.94-3.94>

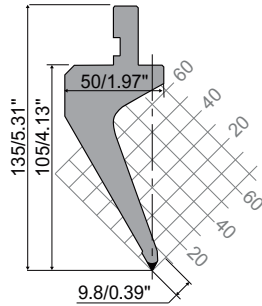


PG.135.60.R08

835 mm 32.87" 16.5 kg
 415 mm 16.34" 8.2 kg
 795 mm 31.29" 15.7 kg FX
 805 mm 31.69" 15.9 kg F

42Cr: 900-1150 N/mm²
 700 kN/m max.
 Roh 1

60°
 W=105 | H=135 | R=0.8 mm
 W=4.13 | H=5.31 | R=0.031 in

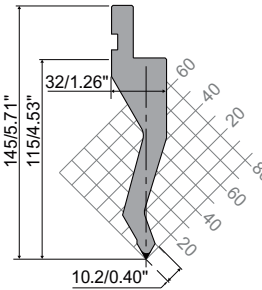


P.145.60.R08

835 mm 32.87" 15.1 kg
 415 mm 16.34" 7.5 kg
 795 mm 31.29" 14.3 kg FX
 805 mm 31.69" 14.5 kg F

42Cr: 900-1150 N/mm²
 700 kN/m max.
 Roh 1

60°
 W=115.0 | H=145.0 | R=0.8 mm
 W=4.53 | H=5.71 | R=0.031 in

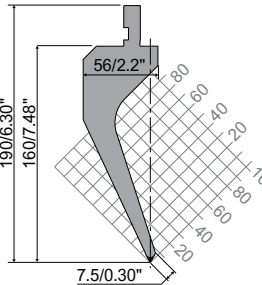


P.190.60.R08

835 mm 32.87" 27.0 kg
 415 mm 16.34" 13.5 kg
 795 mm 31.29" 26.0 kg FX
 805 mm 31.69" 26.1 kg F

C45: 560-710 N/mm²
 400 kN/m max.
 Roh 1

60°
 W=160 | H=190 | R=0.8 mm
 W=7.48 | H=6.30 | R=0.031 in



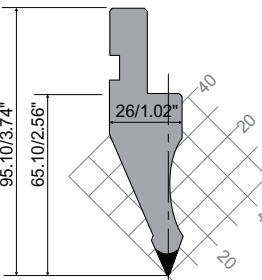
P.95.45.R08

835 mm 32.87" 9.3 kg
 415 mm 16.34" 4.6 kg
 795 mm 31.29" 8.9 kg FX
 805 mm 31.69" 9.0 kg F

C45: 560-710 N/mm²
 800 kN/m max.
 Roh 1

45°
 W=65.10 | H=95.10 | R=0.8 mm
 W=2.56 | H=3.74 | R=0.031 in

45° >



P.95.45.R15

835 mm 32.87" 9.3 kg
 415 mm 16.34" 4.6 kg
 795 mm 31.29" 8.9 kg FX
 805 mm 31.69" 9.0 kg F

C45: 560-710 N/mm²
 800 kN/m max.
 Roh 1

45°
 W=65.10 | H=95.10 | R=1.5 mm
 W=2.56 | H=3.74 | R=0.059 in



FX: 795 mm - 31.29"

mm: <100-250-20-25-30-35-40-45-50-100-100>
 in: <3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.97-3.94-3.94>



F: 805 mm - 31.69"

mm: <100-370-10-15-20-40-50-100-100>
 in: <3.94-14.56-0.39-0.59-0.78-1.57-1.97-3.94-3.94>

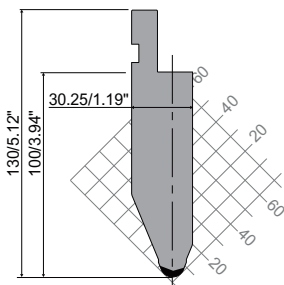


P.130.45.R6

835 mm	32.87"	19.5 kg	
415 mm	16.34"	9.6 kg	
795 mm	31.29"	18.6 kg	FX
805 mm	31.69"	18.8 kg	F

42Cr: 900-1150 N/mm²
1000 kN/m max.
Roh 1

45°
W=100 | H=130 | R=6 mm
W=3.94 | H=5.12 | R=0.24 in

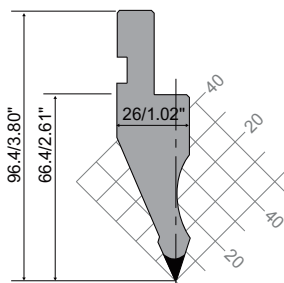


P.97.45.R05

835 mm	32.87"	10.2 kg	
415 mm	16.34"	5.1 kg	
795 mm	31.29"	9.7 kg	FX
805 mm	31.69"	9.8 kg	F
900 mm	35.43"	10.9 kg	

C45: 560-710 N/mm²
800 kN/m max.
Roh 1

45°
W=66.4 | H=96.4 | R=0.5 mm
W=2.61 | H=3.80 | R=0.020 in



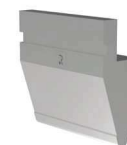
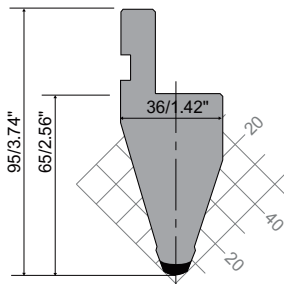
P.95.35.R5

835 mm	32.87"	12.8 kg	
415 mm	16.34"	6.3 kg	
795 mm	31.29"	12.2 kg	FX
805 mm	31.69"	12.3 kg	F

C45: 560-710 N/mm²
1000 kN/m max.
Roh 1

35°
W=65 | H=95 | R=5 mm
W=2.56 | H=3.74 | R=0.20 in

35° >

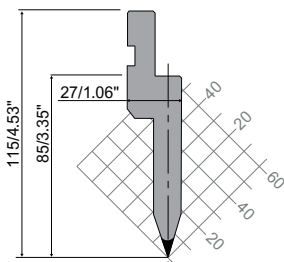


PU.85.35.R08

835 mm	32.87"	11 kg	
415 mm	16.34"	5.5 kg	
795 mm	31.29"	10.5 kg	FX
805 mm	31.69"	10.6 kg	F

42Cr: 900-1150 N/mm²
1000 kN/m max.
Roh 1

35°
W=85 | H=115 | R=0.8 mm
W=3.35 | H=4.53 | R=0.031 in



FX: 795 mm - 31.29"

mm: <100-250-20-25-30-35-40-45-50-100-100>
in: <3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.97-3.94-3.94>



F: 805 mm - 31.69"

mm: <100-370-10-15-20-40-50-100-100>
in: <3.94-14.56-0.39-0.59-0.78-1.57-1.97-3.94-3.94>



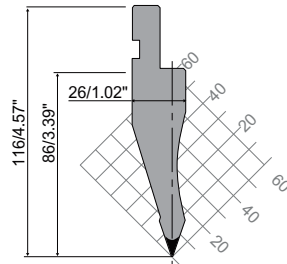
P.116.35.R08

835 mm	32.87"	10.7 kg
415 mm	16.34"	5.3 kg
795 mm	31.29"	10.2 kg FX
805 mm	31.69"	10.3 kg F

C45: 560-710 N/mm²
700 kN/m max.
Roh 1

35°

W=86 | H=116 | R=0.8 mm
W=3.39 | H=4.57 | R=0.031 in



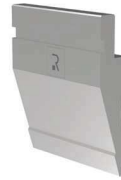
P.116.35.R15

835 mm	32.87"	10.7 kg
415 mm	16.34"	5.3 kg
795 mm	31.29"	10.2 kg FX
805 mm	31.69"	10.3 kg F

C45: 560-710 N/mm²
700 kN/m max.
Roh 1

35°

W=86 | H=116 | R=1.5 mm
W=3.39 | H=4.57 | R=0.059 in



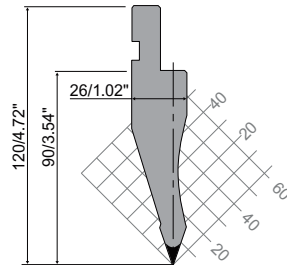
P.120.35.R08

835 mm	32.87"	12.3 kg
415 mm	16.34"	6.1 kg
795 mm	31.29"	11.7 kg FX
805 mm	31.69"	11.9 kg F

C45: 560-710 N/mm²
700 kN/m max.
Roh 1

35°

W=90 | H=120 | R=0.8 mm
W=3.54 | H=4.72 | R=0.031 in



P.120.35.R15

835 mm	32.87"	12.3 kg
415 mm	16.34"	6.1 kg
795 mm	31.29"	11.7 kg FX
805 mm	31.69"	11.9 kg F

C45: 560-710 N/mm²
700 kN/m max.
Roh 1

35°

W=90 | H=120 | R=1.5 mm
W=3.54 | H=4.72 | R=0.059 in



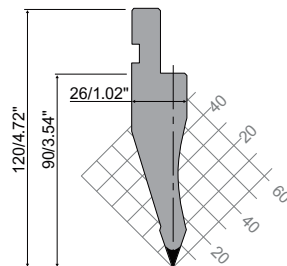
P.120.35.R3

835 mm	32.87"	12.3 kg
415 mm	16.34"	6.1 kg
795 mm	31.29"	11.7 kg FX
805 mm	31.69"	11.9 kg F

C45: 560-710 N/mm²
700 kN/m max.
Roh 1

35°

W=90 | H=120 | R=3 mm
W=3.54 | H=4.72 | R=0.018 in



PS.134.30.R08

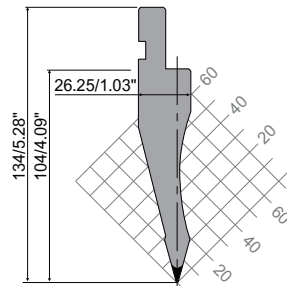
835 mm	32.87"	13.3 kg
415 mm	16.34"	6.6 kg
795 mm	31.29"	12.7 kg FX
805 mm	31.69"	12.8 kg F

C45: 560-710 N/mm²
700 kN/m max.
Roh 1

30°

W=104 | H=134 | R=0.8 mm
W=4.09 | H=5.28 | R=0.031 in

30° >



FX: 795 mm - 31.29"

mm: <100-250-20-25-30-35-40-45-50-100-100>

in: <3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.97-3.94-3.94>

F: 805 mm - 31.69"

mm: <100-370-10-15-20-40-50-100-100>

in: <3.94-14.56-0.39-0.59-0.78-1.57-1.97-3.94-3.94>

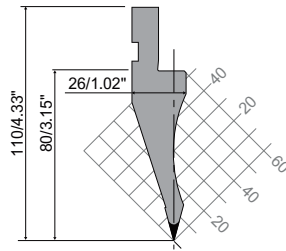


P.110.30.R06

835 mm	32.87"	10.5 kg	
415 mm	16.34"	5.2 kg	
795 mm	31.29"	10.0 kg	FX
805 mm	31.69"	10.1 kg	F

C45: 560-710 N/mm²
450 kN/m max.
Roh 1

30°
W=80 | H=110 | R=0.6 mm
W=3.15 | H=4.33 | R=0.024 in



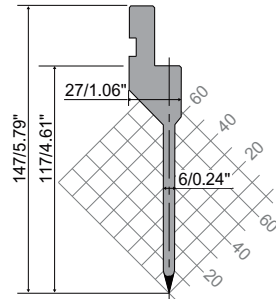
P.147.26.R08

835 mm	32.87"	9.9 kg	
415 mm	16.34"	4.9 kg	
795 mm	31.29"	9.4 kg	FX
805 mm	31.69"	9.6 kg	F

42Cr: 900-1150 N/mm²
500 kN/m max.
Roh 1

26°
W=117 | H=147 | R=0.8 mm
W=4.61 | H=5.79 | R=0.031 in

26° >

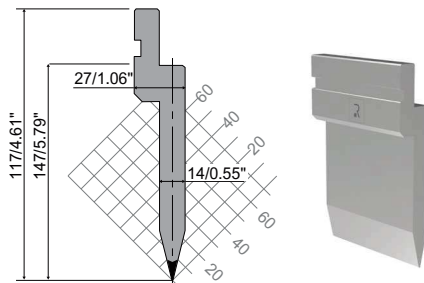


PU.117.26.R08

835 mm	32.87"	13.6 kg	
415 mm	16.34"	6.7 kg	
795 mm	31.29"	12.9 kg	FX
805 mm	31.69"	13.1 kg	F

C45: 560-710 N/mm²
1000 kN/m max.
Roh 1

26°
W=117.0 | H=147.0 | R=0.8 mm
W=4.61 | H=5.79 | R=0.031 in

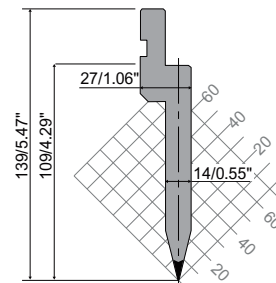


PU.117.26.R3

835 mm	32.87"	13.6 kg	
415 mm	16.34"	6.7 kg	
795 mm	31.29"	12.9 kg	FX
805 mm	31.69"	13.1 kg	F

C45: 560-710 N/mm²
1000 kN/m max.
Roh 1

26°
W=109.0 | H=139.0 | R=3 mm
W=4.29 | H=5.47 | R=0.118 in

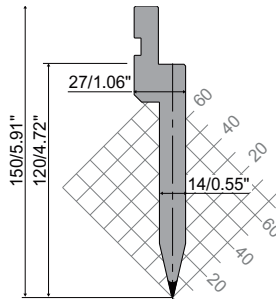


PU.150.26.R08.L

900 mm	35.43"	15.2 kg	
415 mm	16.34"	7.0 kg	
795 mm	31.29"	13.4 kg	FX
805 mm	31.69"	13.6 kg	F

C45: 560-710 N/mm²
1000 kN/m max.
Roh 1

26°
W=120 | H=150 | R=0.8 mm
W=4.72 | H=5.91 | R=0.031 in



FX: 795 mm - 31.29"

mm: <100-250-20-25-30-35-40-45-50-100-100>
in: <3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.97-3.94-3.94>



F: 805 mm - 31.69"

mm: <100-370-10-15-20-40-50-100-100>
in: <3.94-14.56-0.39-0.59-0.78-1.57-1.97-3.94-3.94>

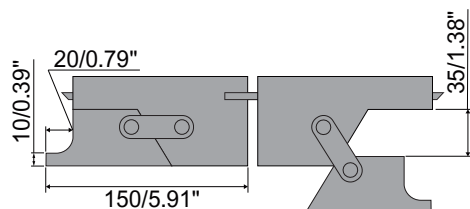


SCA.M.90.R08

Za pár 3.5 kg

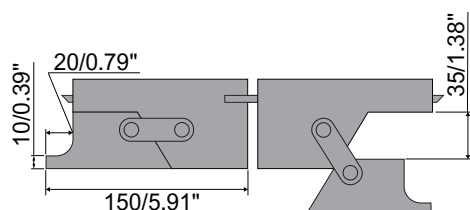
C45: 560-710 N/mm²
150 kN/m max.

90° >

90°
H=66.35 | R=0.8 mm
H=2.61 | R=0.031 in1 pár ľavý/pravý
kompatibilný s
PK.97.90.R08

SCA.M.90.R025

Za pár 3.5 kg

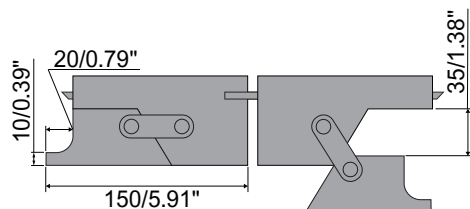
C45: 560-710 N/mm²
150 kN/m max.90°
H=66.60 | R=0.25 mm
H=2.62 | R=0.010 in1 pár ľavý/pravý
kompatibilný s
PK.97.90.R025

SCA.M.88.R08

Za pár 3.5 kg

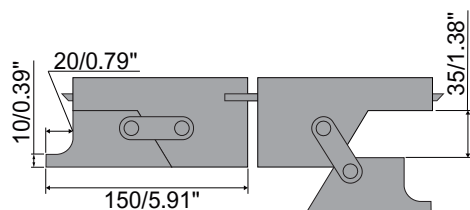
C45: 560-710 N/mm²
150 kN/m max.

88° >

88°
H=66.65 | R=0.8 mm
H=2.62 | R=0.031 in1 pár ľavý/pravý
kompatibilný s P.97.88.R08

SCA.M.88.R025

Za pár 3.5 kg

C45: 560-710 N/mm²
150 kN/m max.88°
H=66.60 | R=0.25 mm
H=2.62 | R=0.010 in1 pár ľavý/pravý kompati-
bilný s PK.97.88.R025

Pohyblivé rohy sú vybavené otočnými kolíkmi, ktoré povoľujú rotáciu rohu smerom nadol a tým následne znížia jeho dĺžku.

V priebehu samotnej realizácie ohraňovania majte pohyblivý roh zatvorený a otočný kolík uvoľnite iba v prípade ľahkej a rýchlej výmeny profilu.

Môže byť vyrobené iba pre tieto modely:

88°	85°	70°	60°	26°
P97.88.R06	TOP:175.85.R08	P.160.70.R08	P.135.60.R08	PU.117.26.R08
P97.88.R08	TOP:205.85.R08		P.145.60.R08	TOP:205.26.R08
P.130.88.R08			TOP:175.60.R08	TOP:175.26.R08
P.150.88.R08				

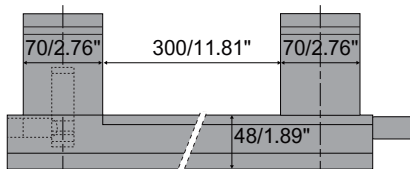
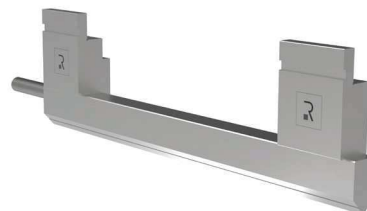
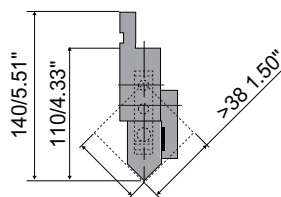
SPE.11

7.0 kg

42Cr: 900-1150 N/mm²
150 kN/m max.

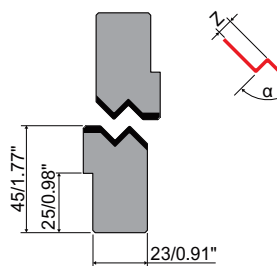
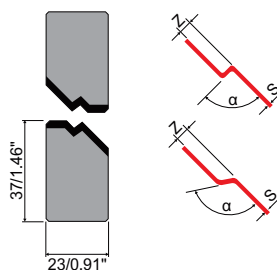
88°

W=110 | H=140 | R=0.8 mm
W=4.33 | H=5.51 | R=0.031 in



VLOŽKA TVARU Z

Z	Z	α	Hrúbka	!	835 mm	415 mm	
mm	in		mm	in	32.87 in	16.34 in	
CEZ 1.0	1	0.04	160°	1.2	0.05	11 kg	5.5 kg
CEZ 1.5	1.5	0.06	160°	1.5	0.06	11 kg	5.5 kg
CEZ 2.0	2	0.08	150°	1.4	0.06	11 kg	5.5 kg
CEZ 2.5	2.5	0.10	140°	1.3	0.05	11 kg	5.5 kg
CEZ 1.0/90	1	0.04	90°	0.3	0.01	11 kg	5.5 kg
CEZ 1.5/90	1.5	0.06	90°	0.3	0.01	11 kg	5.5 kg
CEZ 2.0/90	2	0.08	90°	0.4	0.02	11 kg	5.5 kg
CEZ 2.5/90	2.5	0.10	90°	0.5	0.02	11 kg	5.5 kg
CEZ 3.0	3	0.12	90°	1.0	0.04	10.3 kg	5.1 kg
CEZ 3.5	3.5	0.14	90°	1.0	0.04	10 kg	5 kg
CEZ 4.0	4	0.16	90°	1.2	0.05	10 kg	5 kg
CEZ 4.5	4.5	0.18	90°	1.2	0.05	10 kg	5 kg
CEZ 5.0	5	0.20	90°	1.3	0.05	10 kg	5 kg
CEZ 5.5	5.5	0.22	90°	1.4	0.06	10 kg	5 kg
CEZ 6.0	6	0.24	90°	1.5	0.06	10 kg	5 kg
CEZ 6.5	6.5	0.26	90°	1.5	0.06	10 kg	5 kg
CEZ 7.0	7	0.28	90°	1.5	0.06	10 kg	5 kg
CEZ 7.5	7.5	0.30	90°	1.6	0.06	10 kg	5 kg
CEZ 8.0	8	0.31	90°	1.6	0.06	10 kg	5 kg
CEZ 9.0	9	0.35	90°	1.8	0.07	13.5 kg	6.5 kg
CEZ 10.0	10	0.39	90°	1.8	0.07	13.5 kg	5 kg
CEZ 11.0	11	0.43	90°	2	0.08	13.5 kg	5 kg
CEZ 12.0	12	0.47	90°	2	0.08	13.5 kg	5 kg
CEZ 13.0	13	0.51	90°	2	0.08	13.5 kg	5 kg
CEZ 14.0	14	0.55	90°	2	0.08	13.5 kg	5 kg
CEZ 15.0	15	0.59	90°	2.3	0.09	13.5 kg	5 kg



C45: 560-710 N/mm²
1000 kN/m max.

! Z-rozмеры a uhly uvedené vyššie platia iba v prípade realizácie ohraňovania čierneho materiálu s pevnosťou 420 N/mm².

V prípade, že potrebujete ohraňovať iné druhy materiálu, kontaktujte naše obchodné oddelenie obchod@rolleri.sk

Nástroje pre profily tvaru Z realizujú 2 ohyby naraz. Z tohto dôvodu je proces ohraňovania rýchly. Navyše je veľmi jednoduché, že použitím toho istého CPZ držiaka môžete vyrobiť až 15 rôznych Z-ohybov. Pre zmenu stačí vymeniť iba vložku držiaka. Pri použití vložiek tvaru Z je výsledok ohraňovania presný.

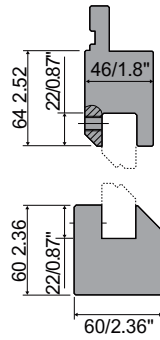


Katalógy dostupné na stiahnutie na www.rolleri.sk/na-stiahnutie - pre nástroje na ohraňovanie, upínacie systémy, vysekávacie nástroje, dierovacie nástroje pre Ironworker, spotrebný materiál pre lasery a iné.

CPZ

835 mm 32.87" 37.5 kg
415 mm 16.34" 18.7 kg

C45: 560-710 N/mm²
1000 kN/m max.

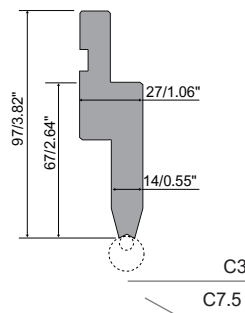


PU.67.14-S

830 mm 32.68" 9.7 kg
410 mm 16.14" 5 kg

C45: 560-710 N/mm²
400 kN/m max.

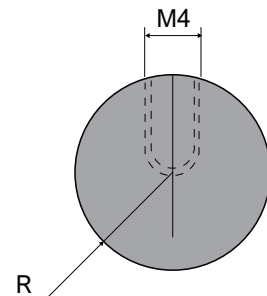
W=67 | H=97 mm
W=2.64 | H=3.82 in



C3 - C7.5

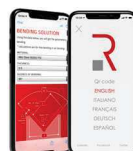
	R	R	835 mm	415 mm
	mm	in	32.87 in	16.34 in
C3	3.0	0.12	0.20 kg	0.10 kg
C3.5	3.5	0.14	0.20 kg	0.10 kg
C4	4.0	0.16	0.35 kg	0.17 kg
C4.5	4.5	0.18	0.50 kg	0.25 kg
C5	5.0	0.20	0.60 kg	0.30 kg
C5.5	5.5	0.22	0.70 kg	0.35 kg
C6	6.0	0.24	0.80 kg	0.40 kg
C6.5	6.5	0.26	1.00 kg	0.50 kg
C7	7.0	0.28	0.80 kg	0.40 kg
C7.5	7.5	0.30	1.00 kg	0.50 kg

C45: 560-710 N/mm²
400 kN/m max.



Zaregistrujte sa na www.rolleri.sk

Rolleri stránku môžete využívať na kontrolu dodacích termínov, prehľad skladových zásob a zároveň budete informovaný o našich novinkách. Sami si overíte ceny a priamo môžete zadávať objednávky.



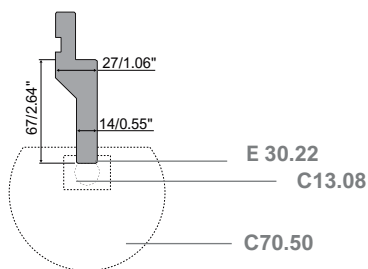
Stiahnite si Rolleri aplikáciu **Bending App**.

Používaním tejto aplikácie získate prístup do nášho online obchodu. Taktiež zadarmo získate náš software týkajúci sa zásad ohraňovania.

PU.67.14

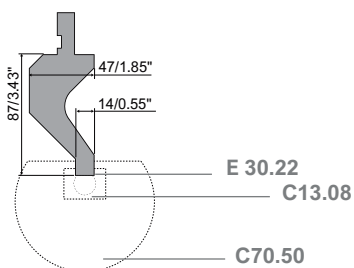
830 mm 32.68" 9 kg
410 mm 16.14" 5 kg

C45: 560-710 N/mm²
800 kN/m max.

**PU.87.14**

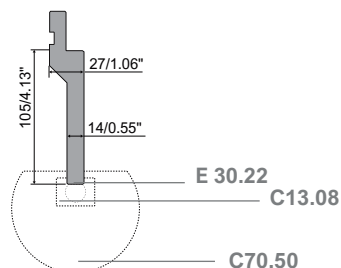
830 mm 32.68" 9 kg
412 mm 16.22" 4.5 kg

42Cr: 900-1150 N/mm²
500 kN/m max.

**PU.105.14**

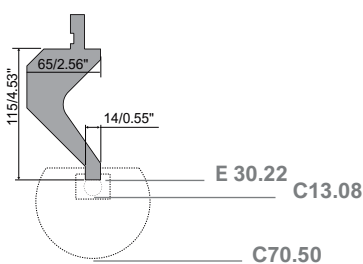
830 mm 32.68" 12 kg
412 mm 16.22" 6 kg

C45: 560-710 N/mm²
800 kN/m max.

**PU.115.14**

830 mm 32.68" 26 kg
412 mm 16.22" 13 kg

C45: 560-710 N/mm²
500 kN/m max.



Na držiak môžu byť osadené rôzne vymeniteľné rádiusové nástroje a v prípade PU.67.14 a PU.105.14 je naň možné namotovať aj lemovací nástroj E30.22.

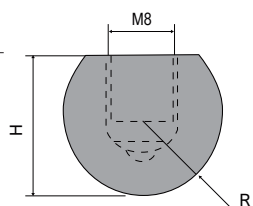
Držiaky PU a rádiusové nástroje boli navrhnuté tak, aby zaručovali maximálnu flexibilitu - vďaka širokej škále rádiusov - ktoré sa dajú použiť. Pre špecifické profily možno použiť rovnaký koncept pre

špeciálne tvary ako sú U-profily, omega atď.

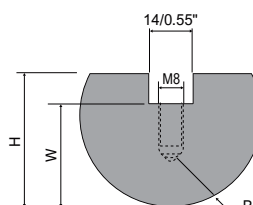
Systém upnutia vymeniteľného rádiusového nástroja na jeho držiak bol vyvinutý tak, aby bol flexibilný a zaručil ľahkú a rýchlu výmenu týchto nástrojov.

RÁDIUSOVÉ NÁSTROJE Ø 16 - 20

	R	R	H	H	A	A	835 mm	415 mm
	mm	in	mm	in	mm	in	32.87 in	16.34 in
C13.08	8	0.31	13	0.51	-	-	2.0 kg	1.0 kg
C13.09	9	0.35	16	0.63	-	-	2.0 kg	1.0 kg
C16.10	10	0.39	16	0.63	-	-	2.0 kg	1.0 kg

**RÁDIUSOVÉ NÁSTROJE Ø 25 - 100**

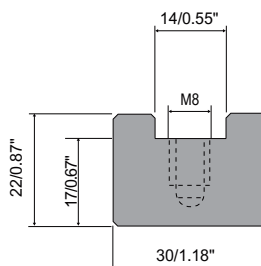
	R	R	W	W	H	H	835 mm	415 mm
	mm	in	mm	in	mm	in	32.87 in	16.34 in
C17.12	12.5	0.49	17	0.67	22	0.87	2.5 kg	1.2 kg
C20.15	15	0.59	20	0.79	27	1.06	3.7 kg	1.8 kg
C22.17	17.5	0.69	22	0.87	32	1.26	5.0 kg	2.4 kg
C24.20	20	0.79	24	0.94	34	1.33	7.0 kg	3.5 kg
C25.22	22.5	0.89	25	0.98	35	1.38	7.5 kg	3.8 kg
C29.25	25	0.98	29	1.14	39	1.53	10.0 kg	4.7 kg
C34.27	27.5	1.08	34	1.33	44	1.73	12.4 kg	6.2 kg
C34.30	30	1.18	34	1.33	44	1.73	13.5 kg	6.7 kg
C37.32	32.5	1.28	37	1.46	47	1.85	15.9 kg	7.9 kg
C45.35	35	1.38	45	1.77	55	2.16	20.3 kg	10.0 kg
C42.37	37.5	1.48	42	1.65	52	2.04	20.5 kg	10.3 kg
C45.40	40	1.57	45	1.77	55	2.16	23.0 kg	11.5 kg
C60.45	22.5	0.89	60	2.36	70	2.75	34.0 kg	17.0 kg
C70.50	50	1.97	70	2.75	80	3.15	43.5 kg	21.7 kg

**Lemovacie nástroje CLASSIC séria****E30.22**

830 mm 32.68" 3.5 kg
412 mm 16.22" 1.7 kg



C45: 560-710 N/mm²
800 kN/m max.



Zaregistrujte sa na www.rolleri.sk

Rolleri stránku môžete využívať na kontrolu dodacích termínov, prehľad skladových zásob a zároveň budete informovaný o našich novinkách. Sami si overíte ceny a priamo môžete zadávať objednávky.



Cieľom príručky ohraňovania "Bending handbook" je vám dodať praktické a užitočné informácie k rýchlemu dosiahnutiu požadovaných výsledkov. Nájdete v nej množstvo príkladov, jednoduchých vzorcov a informácií, ktoré správne vysvetľujú prístup k procesu samotného ohraňovania.

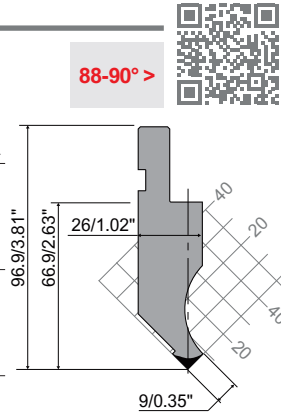
00402

835 mm 32.87" 11 kg
 415 mm 16.34" 5.5 kg
 795 mm 31.29" 10.5 kg FX
 835 mm 32.87" 11 kg FCA

C45: 560-710 N/mm²
 1000 kN/m max.
 Roh 3

88°
 W=66.9 | H=96.9 | R=0.2 mm
 W=2.63 | H=3.81 | R=0.008 in

88-90° >

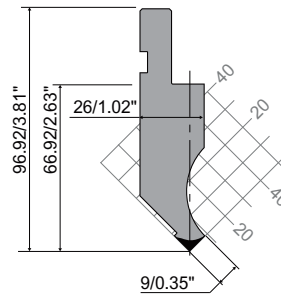


01602

835 mm 32.87" 11 kg
 415 mm 16.34" 5.5 kg
 795 mm 31.29" 10.5 kg FX
 835 mm 32.87" 11 kg FCA

C45: 560-710 N/mm²
 1000 kN/m max.
 Roh 3

90°
 W=66.92 | H=96.92 | R=0.2 mm
 W=2.63 | H=3.81 | R=0.118 in

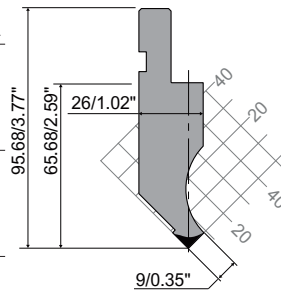


00430

835 mm 32.87" 11 kg
 415 mm 16.34" 5.5 kg
 795 mm 31.29" 10.5 kg FX
 835 mm 32.87" 11 kg FCA

C45: 560-710 N/mm²
 1000 kN/m max.
 Roh 3

88°
 W=65.68 | H=95.68 | R=3 mm
 W=2.59 | H=3.77 | R=0.118 in

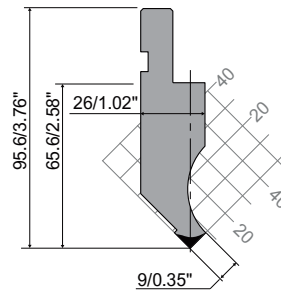


01630

835 mm 32.87" 11 kg
 415 mm 16.34" 5.5 kg
 795 mm 31.29" 10.5 kg FX
 835 mm 32.87" 11 kg FCA

C45: 560-710 N/mm²
 1000 kN/m max.
 Roh 3

90°
 W=65.6 | H=95.6 | R=3 mm
 W=2.58 | H=3.76 | R=0.118 in

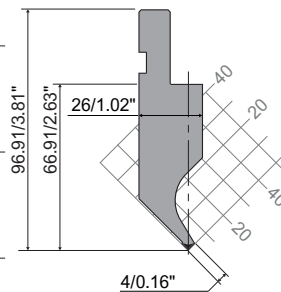


11700

835 mm 32.87" 10.7 kg
 415 mm 16.34" 5.3 kg
 795 mm 31.29" 10.3 kg FX
 800 mm 32.87" 10.3 kg FC

42Cr: 900-1150 N/mm²
 200 kN/m max.
 Roh 7

88°
 W=66.91 | H=96.91 | R=0.2 mm
 W=2.63 | H=3.81 | R=0.008 in

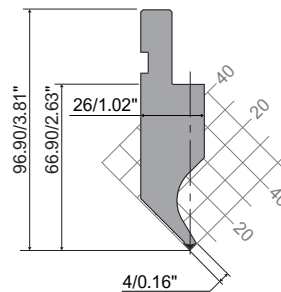


11600

835 mm 32.87" 11 kg
 415 mm 16.34" 5.5 kg
 795 mm 31.29" 10.1 kg FX
 800 mm 32.87" 11 kg FC

42Cr: 900-1150 N/mm²
 200 kN/m max.
 Roh 7

90°
 W=66.90 | H=96.90 | R=0.2 mm
 W=2.63 | H=3.81 | R=0.008 in

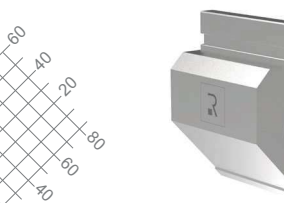
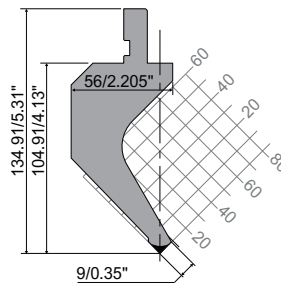


04502

835 mm 32.87" 22.0 kg
 415 mm 16.34" 10.9 kg
 795 mm 31.29" 22.0 kg FX
 835 mm 32.87" 22.0 kg FCA

42Cr: 900-1150 N/mm²
 500 kN/m max.
 Roh 3

88°
 W=104.91 | H=134.91 | R=0.2 mm
 W=4.13 | H=5.31 | R=0.008 in



04600

835 mm 32.87" 22.0 kg
 415 mm 16.34" 11.0 kg
 795 mm 31.29" 21.0 kg FX
 835 mm 32.87" 22.0 kg FCA

42Cr: 900-1150 N/mm²
 500 kN/m max.
 Roh 3

90°
 W=104.91 | H=134.9 | R=0.2 mm
 W=4.13 | H=5.31 | R=0.008 in

FX: 795 mm - 31.29"

mm: <100-250-20-25-30-35-40-45-50-100>

in: <3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.97-3.94-3.94>

FCA: 835 mm - 32.87"

mm: <100-10-15-20-40-50-200-300-100>

in: <3.94-0.39-0.59-0.78-1.57-7.87-11.81-3.94>

FC: 800 mm - 31.50"

mm: <100-10-15-20-40-50-165-300-100>

in: <3.94-0.39-0.59-0.78-1.57-1.97-6.49-11.81-3.94>





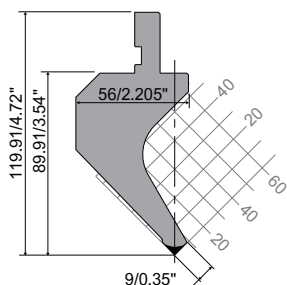
45202

835 mm 32.87" 19.6 kg
 415 mm 16.34" 9.7 kg
 795 mm 31.29" 18.9 kg FX
 835 mm 32.87" 19.6 kg FCA

42Cr: 900-1150 N/mm²
 700 kN/m max.
 Roh 3

88°

W=89.91 | H=119.91 | R=0.2 mm
 W=3.54 | H=4.72 | R=0.008 in



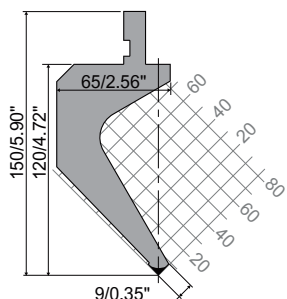
46200

835 mm 32.87" 19.6 kg
 415 mm 16.34" 9.8 kg
 795 mm 31.29" 18.7 kg FX
 835 mm 32.87" 19.6 kg FCA

42Cr: 900-1150 N/mm²
 700 kN/m max.
 Roh 3

90°

W=89.91 | H=119.91 | R=0.2 mm
 W=3.54 | H=4.72 | R=0.008 in



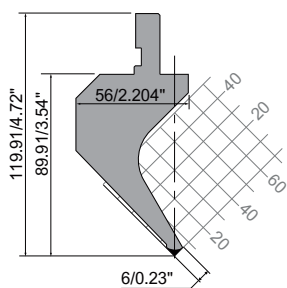
04702

835 mm 32.87" 25.8 kg
 415 mm 16.34" 12.9 kg
 795 mm 31.29" 24.6 kg FX
 835 mm 32.87" 25.8 kg FCA

42Cr: 900-1150 N/mm²
 500 kN/m max.
 Roh 3

88°

W=120 | H=150 | R=0.2 mm
 W=4.72 | H=5.90 in | R=0.008 in



04800

835 mm 32.87" 25.8 kg
 415 mm 16.34" 12.9 kg
 795 mm 31.29" 24.6 kg FX
 835 mm 32.87" 25.8 kg FCA

42Cr: 900-1150 N/mm²
 500 kN/m max.
 Roh 3

90°

W=120 | H=150 | R=0.2 mm
 W=4.72 | H=5.90 | R=0.008 in

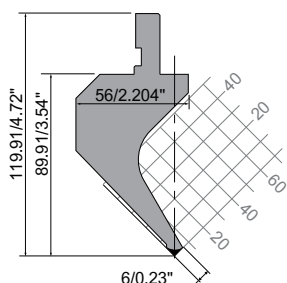
45302

835 mm 32.87" 18.6 kg
 415 mm 16.34" 9.3 kg
 795 mm 31.29" 17.7 kg FX
 835 mm 32.87" 18.6 kg FCA

42Cr: 900-1150 N/mm²
 500 kN/m max.
 Roh 7

88°

W=89.91 | H=119.91 | R=0.2 mm
 W=3.54 | H=4.72 | R=0.008 in



46300

835 mm 32.87" 18.6 kg
 415 mm 16.34" 9.3 kg
 795 mm 31.29" 17.7 kg FX
 835 mm 32.87" 18.6 kg FCA

42Cr: 900-1150 N/mm²
 500 kN/m max.
 Roh 7

90°

W=89.91 | H=119.91 | R=0.2 mm
 W=3.54 | H=4.72 | R=0.008 in

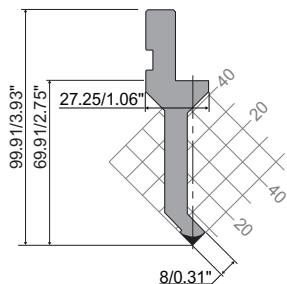
20000

835 mm 32.87" 7.9 kg
 415 mm 16.34" 3.9 kg
 795 mm 31.29" 7.5 kg FX
 800 mm 32.87" 7.5 kg FC

42Cr: 900-1150 N/mm²
 300 kN/m max.
 Roh 4

88°

W=69.91 | H=99.91 | R=0.2 mm
 W=2.75 | H=3.93 in | R=0.008 in



20100

835 mm 32.87" 7.9 kg
 415 mm 16.34" 3.9 kg
 795 mm 31.29" 7.6 kg FX
 800 mm 32.87" 7.6 kg FC

42Cr: 900-1150 N/mm²
 300 kN/m max.
 Roh 4

90°

W=69.91 | H=99.91 | R=0.2 mm
 W=2.75 | H=3.93 in | R=0.008 in

FX: 795 mm - 31.29"

mm: <100-250-20-25-30-35-40-45-50-100-100>

in: <3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.97-3.94-3.94>

FCA: 835 mm - 32.87"

mm: <100-10-15-20-40-50-200-300-100>

in: <3.94-0.39-0.59-0.78-1.57-7.87-11.81-3.94>



FC: 800 mm - 31.50"

mm: <100-10-15-20-40-50-165-300-100>

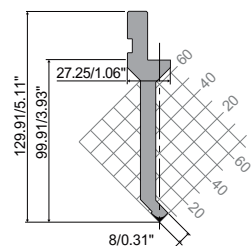
in: <3.94-0.39-0.59-0.78-1.57-1.97-6.49-11.81-3.94>

20200

835 mm	32.87"	10.0 kg	
415 mm	16.34"	5.0 kg	
795 mm	31.29"	9.5 kg	FX
800 mm	31.50"	9.6 kg	FC

42Cr: 900-1150 N/mm²
300 kN/m max.
Roh 4

88°
W=99.91 | H=129.91 | R=0.2 mm
W=3.93 | H=5.11 | R=0.008 in



20300

835 mm	32.87"	10.0 kg	
415 mm	16.34"	5.0 kg	
795 mm	31.29"	9.5 kg	FX
800 mm	31.50"	9.6 kg	FC

42Cr: 900-1150 N/mm²
300 kN/m max.
Roh 4

90°
W=99.91 | H=129.91 | R=0.2 mm
W=3.93 | H=5.11 | R=0.118 in

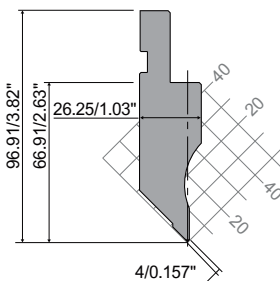


00480

835 mm	32.87"	11.0 kg	
415 mm	16.34"	5.5 kg	
795 mm	31.29"	10.5 kg	FX
835 mm	31.50"	11.0 kg	FCA

C45: 560-710 N/mm²
1000 kN/m max.
Roh 3

88°
W=66.91 | H=96.91 | R=0.2 mm
W=2.63 | H=3.82 | R=0.008 in



01680

835 mm	32.87"	10.7 kg	
415 mm	16.34"	5.5 kg	
795 mm	31.29"	10.2 kg	FX
835 mm	31.50"	10.7 kg	FCA

C45: 560-710 N/mm²
400 kN/m max.
Roh 3

90°
W=66.91 | H=96.91 | R=0.2 mm
W=2.63 | H=3.82 | R=0.008 in

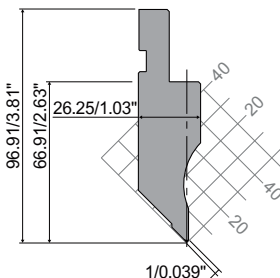


00490

835 mm	32.87"	11.0 kg	
415 mm	16.34"	5.5 kg	
795 mm	31.29"	10.5 kg	FX
835 mm	31.50"	11.0 kg	FCA

C45: 560-710 N/mm²
800 kN/m max.
Roh 3

88°
W=66.91 | H=96.91 | R=0.2 mm
W=2.63 | H=3.82 | R=0.008 in



01690

835 mm	32.87"	11.0 kg	
415 mm	16.34"	5.5 kg	
795 mm	31.29"	10.5 kg	FX
835 mm	31.50"	11.0 kg	FCA

C45: 560-710 N/mm²
800 kN/m max.
Roh 3

90°
W=66.91 | H=96.91 | R=0.2 mm
W=2.63 | H=3.82 | R=0.008 in

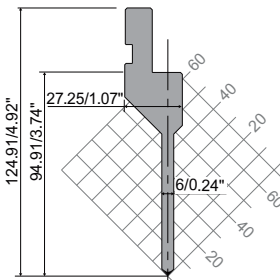


10900

835 mm	32.87"	9.0 kg	
415 mm	16.34"	4.5 kg	
795 mm	31.29"	8.5 kg	FX
835 mm	31.50"	9.0 kg	FCA

42Cr: 900-1150 N/mm²
500 kN/m max.
Roh 4

88°
W=94.91 | H=124.91 | R=0.2 mm
W=3.74 | H=4.92 | R=0.008 in



10800

835 mm	32.87"	11.0 kg	
415 mm	16.34"	5.5 kg	
795 mm	31.29"	8.5 kg	FX
835 mm	31.50"	11.0 kg	FCA

42Cr: 900-1150 N/mm²
500 kN/m max.
Roh 4

90°
W=94.91 | H=124.91 | R=0.2 mm
W=3.74 | H=4.92 | R=0.008 in



FX: 795 mm - 31.29"

mm: <100-250-20-25-30-35-40-45-50-100>

in: <3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.97-3.94-3.94>

FCA: 835 mm - 32.87"

mm: <100-10-15-20-40-50-200-300-100>

in: <3.94-0.39-0.59-0.78-1.57-7.87-11.81-3.94>

FC: 800 mm - 31.50"

mm: <100-10-15-20-40-50-165-300-100>

in: <3.94-0.39-0.59-0.78-1.57-1.97-6.49-11.81-3.94>



10906

835 mm 32.87" 9.0 kg
 415 mm 16.34" 4.5 kg
 795 mm 31.29" 8.5 kg FX
 835 mm 31.50" 9.0 kg FCA

42Cr: 900-1150 N/mm²

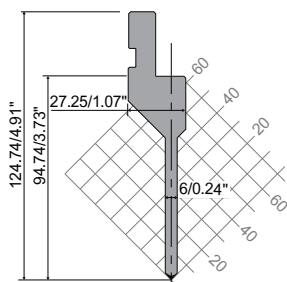
500 kN/m max.

Roh 4

88°

W=94.74 | H=124.74 | R=0.6 mm

W=3.73 | H=4.91 | R=0.024 in



00300

835 mm 32.87" 15.0 kg
 415 mm 16.34" 7.5 kg
 795 mm 31.29" 14.4 kg FX
 835 mm 31.50" 15.0 kg FCA

C45: 560-710 N/mm²

1000 kN/m max.

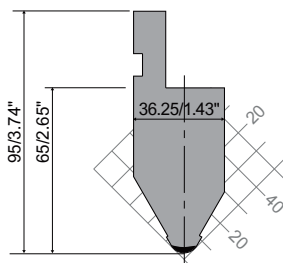
Roh 6

60°

W=65 | H=95 | R=0.6 mm

W=2.56 | H=3.74 in | R=0.002 in

60° >



00800

835 mm 32.87" 9.3 kg
 415 mm 16.34" 4.6 kg
 795 mm 31.29" 9.3 kg FX
 835 mm 31.50" 9.3 kg FCA

C45: 560-710 N/mm²

600 kN/m max.

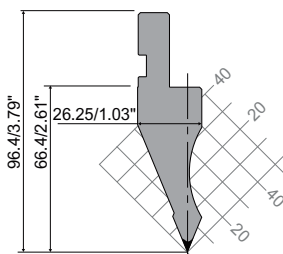
Roh 5

45°

W=66.4 | H=96.4 | R=0.37 mm

W=2.61 | H=3.79 | R=0.015 in

45° >



21000

835 mm 32.87" 15.3 kg
 415 mm 16.34" 7.6 kg
 795 mm 31.29" 14.5 kg FX
 800 mm 31.50" 14.6 kg FC

42Cr: 900-1150 N/mm²

1000 kN/m max.

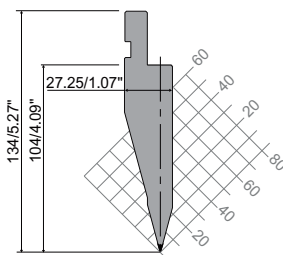
Roh 5

30°

W=104 | H=134 | R=0.65 mm

W=4.09 | H=5.27 | R=0.025 in

30° >



FX: 795 mm - 31.29"

mm: <100-250-20-25-30-35-40-45-50-100-100>

in: <3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.97-3.94-3.94>

FCA: 835 mm - 32.87"

mm: <100-10-15-20-40-50-200-300-100>

in: <3.94-0.39-0.59-0.78-1.57-7.87-11.81-3.94>



FC: 800 mm - 31.50"

mm: <100-10-15-20-40-50-165-300-100>

in: <3.94-0.39-0.59-0.78-1.57-1.97-6.49-11.81-3.94>

10300

835 mm	32.87"	11 kg	
415 mm	16.34"	5.5 kg	
795 mm	31.29"	10.4 kg	FX
800 mm	31.50"	10.5 kg	FC

42Cr: 900-1150 N/mm²

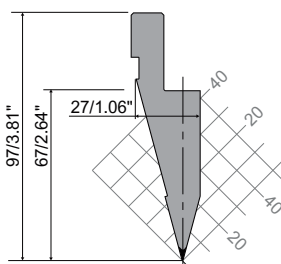
1000 kN/m max.

Roh 5

30°

W=67 | H=97 | R=0.52 mm

W=2.64 | H=3.81 | R=0.020 in



Horné nástroje CFH séria

Rolleri ponúka možnosť riešiť nástroje rovnakej výšky. Tieto nástroje sú kompatibilné s nástrojmi Amada a inými európskymi upínaniami tohto štýlu. Ponúkame najlepšie riešenia tvarov nástrojov, nárast flexibility pre váš ohraňovací lis.

Všetky nástroje sú vyrábané tak, aby zabezpečili presné ohraňovanie podľa požiadaviek zákazníka. Používame materiály s najvyššou požadovanou kvalitou na trhu. Všetky nástroje sú indukčne kalené, v

niektorých prípadoch až do 60 HRC - kde dodržiavame toleranciu na +/- 0,01 mm. Rolleri ponúka svoje riešenia už 30 rokov vo viac ako 65 krajinách po celom svete.

Neustále pracujeme na vlastnom vývoji v tejto oblasti a prinášame nové riešenia ako čeliť každodenným problémom pri ohraňovaní.

Dostupnosť na vyžiadanie:

510 mm | 20.08"

200 mm | 7.87"

370 mm | 14.57" mm: 100-300-150-50-40-20-15-15-10-100
in: 3.94-11.81-5.90-1.96-1.57-0.79-0.59-0.59-0.39-3.94

200 mm | 7.87" 100 ľavý roh -100 pravý roh

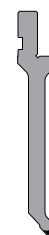
Štandardný

Zahnutý - "Labuť"

Rovný

Úzky

Ostrý



CFH150.86.R02-STD

835 mm	32.87"	17.5 kg	
415 mm	16.34"	8.7 kg	
800 mm	31.49"	16.8 kg	F

42Cr: 900-1150 N/mm²

1000 kN/m max.

Roh 1

86°

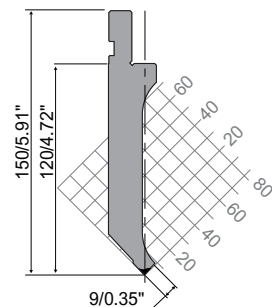
W=120 | H=150 | R=0.2 mm

W=4.72 | H=5.91 | R=0.008 in

Taktiež dostupný W=85

NOVINKA

86° >



FX: 795 mm - 31.29"

mm: <100-250-20-25-30-35-40-45-50-100-100>

in: <3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.97-3.94-3.94>

FC: 800 mm - 31.50"

mm: <100-10-15-20-40-50-165-300-100>

in: <3.94-0.39-0.59-0.78-1.57-1.97-6.49-11.81-3.94>

F: 800 mm - 31.49"

mm: <100-300-150-50-40-20-15-15-10-100>

in: <3.94-11.81-5.90-1.96-1.57-0.79-0.59-0.59-0.39-3.94>



CFH150.86.R02-GNK

835 mm 32.87" 25.2 kg
415 mm 16.34" 12.5 kg
800 mm 31.49" 24.2 kg F

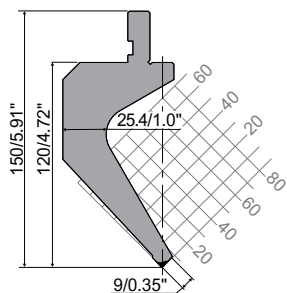
42Cr: 900-1150 N/mm²
500 kN/m max.

Roh 1

86°

W=120 | H=150 | R=0.2 mm
W=4.72 | H=5.91 | R=0.008 in

Taktiež dostupný W=85

NOVINKA

CFH150.86.R02-SSH

835 mm 32.87" 11.8 kg
415 mm 16.34" 5.9 kg
800 mm 31.49" 11.3 kg F

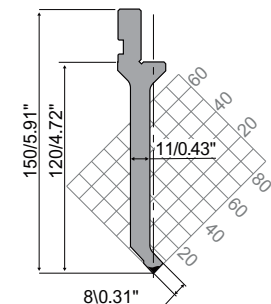
42Cr: 900-1150 N/mm²
500 kN/m max.

Roh 1

86°

W=120 | H=150 | R=0.65 mm
W=4.72 | H=5.91 | R=0.025 in

Taktiež dostupný W=85

NOVINKA

CFH.150.88.R025

835 mm 32.87" 17.5 kg
415 mm 16.34" 8.7 kg
800 mm 31.49" 16.9 kg F

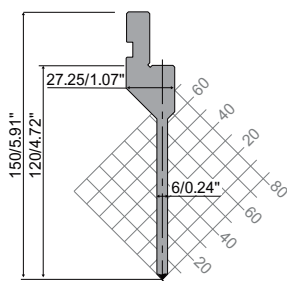
42Cr: 900-1150 N/mm²
500 kN/m max.

Roh 1

88°

W=120 | H=150 | R=0.37 mm
W=4.72 | H=5.91 | R=0.015 in

Taktiež dostupný W=85

88° >

CFH.150.30.R08

835 mm 32.87" 17.5 kg
415 mm 16.34" 8.7 kg
800 mm 31.49" 16.9 kg F

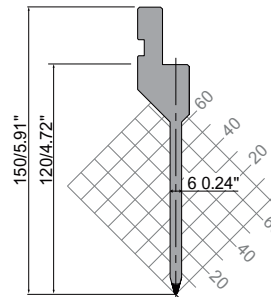
42Cr: 900-1150 N/mm²
500 kN/m max.

Roh 1

30°

W=120 | H=150 | R=0.8 mm
W=4.72 | H=5.91 | R=0.031 in

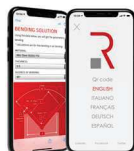
Taktiež dostupný W=85

30° >

F: 800 mm - 31.49"

mm: <100-300-150-50-40-20-15-15-10-100>

in: <3.94-11.81-5.90-1.96-1.57-0.79-0.59-0.59-0.39-3.94>



Stiahnite si Rolleri aplikáciu Bending App.

Taktiež zadarmo získate náš software týkajúci sa zásad ohraňovania.

R1 SPODNÉ NÁSTROJE

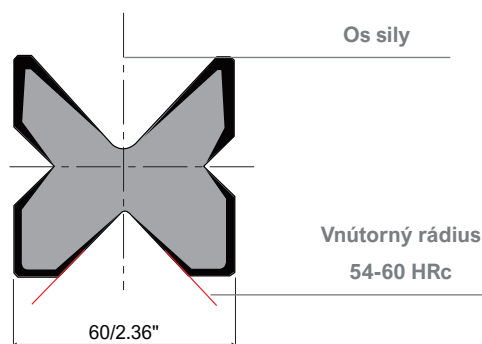
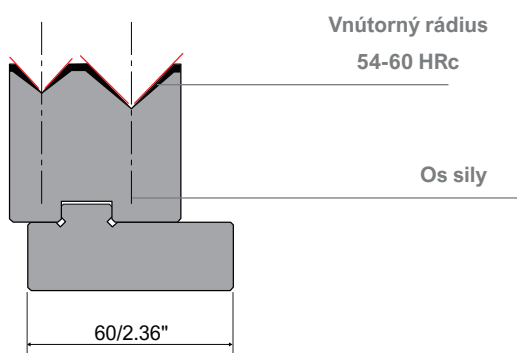
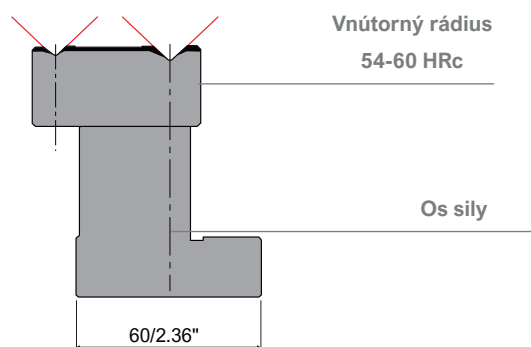
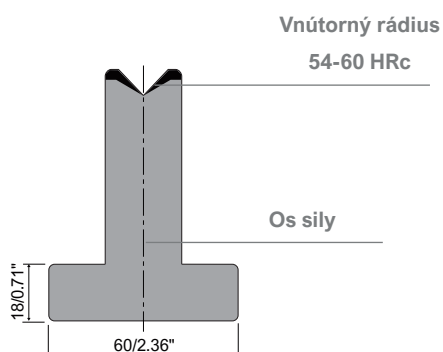
Accurl, Accurpress, ACL, Adira, Amada, Atlantic, Baykal, BL, Boschert, Boutillon, Bystronic Beyeler, Euro-B, Coastone, Colgar, Dener, Deratech, Durmazlar, Ermaksan, Farina, Gade, Gasparini, Gecko, Gilardi, Gizelis, Haco, Hindustan, HPM, Iturrospe, Jfy, JMT, LFK, Metfab, MVD, Oriance, Prima Power, Promecam, Rico, Salvagnini, Schiavi, SMD, Sorg, Somo, Vicla, Vimercati, Warcom, Yawei,...

Kódy našich nástrojov sú uvedené podľa **uhla nástroja**



ŠTANDARDNÝ UPÍNACÍ PROFIL

Všetky spodné nástroje typu R1 sú štandardne so 60 mm, 90 mm, 120 mm základňou (Rozdielne údaje vid' každý nástroj).



ŠTANDARDNÉ DĹŽKY

	Séria TOP	Séria CLASSIC	Séria A	Séria CFH
525 mm 20.67"	●			
415 mm 16.34"		●	●	●
835 mm 32.87"		●	●	●
900 mm 35.43"		○	○	

○ dostupné iba pre vybrané modely nástrojov



Rolleri **BLACKFIRE** je špeciálna povrchová úprava zameraná na zvýšenie odolnosti voči korózii. Vaše nástroje budú mať dlhodobú nemennú životnosť. Táto špeciálna chemická úprava je dlhodobým riešením.

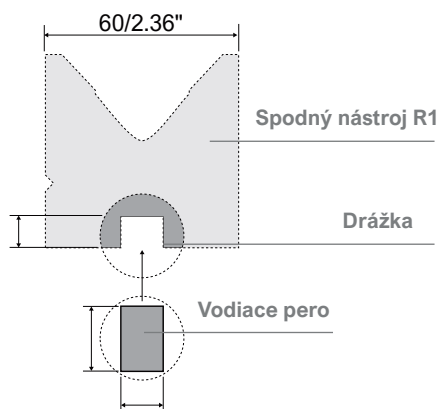


Rolleri **FREEZINC** je povrchová úprava zameraná proti zachytávaniu zvyškov kovov alebo pozinkovaných, hliníkových materiálov, ktoré by zostávali na nástrojoch po ohraňovaní. Nástroje sú zároveň chránené pred oxidáciou a viac ich nie je potrebné čistiť.

MODIFIKÁCIA VODIACEHO PERA

Ak chcete použiť spodný nástroj typu R1 na inom ohraňovacom lise, je možnosť vyfrézovať 10 mm hlbokú drážku, do ktorej sa následne vloží vodiace pero v správnej veľkosti.

Vodiace pero (W x H)		Systém
13 x 30 mm 0.51" x 1.18"	R2 R3	Bystronic-Beyeler, Safan, Trumpf,...
55 x 55 mm 2.16" x 2.16"	RX	EHT
12.7 x 29 mm 0.5" x 1.14"	R4	LVD
35 x 55 mm 1.37" x 2.16"	RX	Weinbrenner



SEGMENTOVANIE

Informácie ohľadom možnosti špeciálneho segmentovania získate na obchod@rolleri.sk

FC: 495 mm - 19.48"
mm: 25-30-35-40-45-50-100-170
in: 0.98-1.18-1.37-1.57-1.77-1.97-3.94-9.84



F: 805 mm - 31.69"
mm: 200-50-40-20-15-10-370-100
in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94



FX: 795 mm - 31.29"
mm: 100-250-20-25-30-35-40-45-50-200
in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87



FC (A Séria): 835 mm - 32.87"
mm: 10-15-20-40-50-100-200-400
in: 0.39-0.59-0.78-1.57-1.96-3.94 -7.87-15.75



F: 800 mm - 21.49"
mm: 100-10-15-15-20-40-50-150-400
in: 3.94-0.39-0.59-0.59-0.79-1.57-1.97-5.90-15.74



Požiadavky pre nástroje na ohraňovanie, upínacie systémy, vysekávacie nástroje, dierovacie nástroje pre Ironworker, spotrebný materiál pre lasery a iné na www.rolleri.sk/na-stiahnutie



Zaregistrujte sa priamo na www.rolleri.sk. Rolleri stránku môžete využívať na kontrolu dodacích termínov, prehľad skladových zásob a zároveň budete informovaný o našich novinkách. Sami si overíte ceny a priamo môžete zadávať objednávky.

M26.90.01

835 mm 32.87" 9.0 kg
415 mm 16.34" 4.5 kg
900 mm 35.43" 10.0 kg

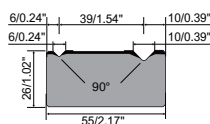
90° >



C45: 560-710 N/mm²
1000 kN/m max.

90°

H=26 | R=0.4 | V=6 mm
H=26 | R=0.6 | V=10 mm
H=1.02 | R=0.016 | V=0.24 in
H=1.02 | R=0.024 | V=0.39 in



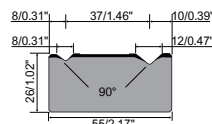
M26.90.02

835 mm 32.87" 9.0 kg
415 mm 16.34" 4.5 kg
900 mm 35.43" 10.0 kg

C45: 560-710 N/mm²
1000 kN/m max.

90°

H=26 | R=0.5 | V=8 mm
H=26 | R=0.8 | V=12 mm
H=1.02 | R=0.020 | V=0.31 in
H=1.02 | R=0.031 | V=0.47 in



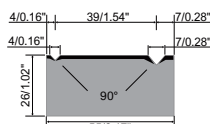
M26.90.03

835 mm 32.87" 9.0 kg
415 mm 16.34" 4.5 kg

C45: 560-710 N/mm²
1000 kN/m max.

90°

H=26 | R=0.3 | V=4 mm
H=26 | R=0.5 | V=7 mm
H=1.02 | R=0.012 | V=0.16 in
H=1.02 | R=0.020 | V=0.28 in



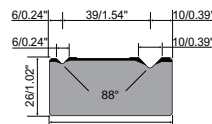
M26.88.01

835 mm 32.87" 9.0 kg
415 mm 16.34" 4.5 kg

C45: 560-710 N/mm²
1000 kN/m max.

88°

H=26 | R=0.4 | V=6 mm
H=26 | R=0.6 | V=10 mm
H=1.02 | R=0.016 | V=0.24 in
H=1.02 | R=0.024 | V=0.39 in



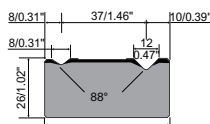
M26.88.02

835 mm 32.87" 9.0 kg
415 mm 16.34" 4.5 kg

C45: 560-710 N/mm²
1000 kN/m max.

88°

H=26 | R=0.5 | V=8 mm
H=26 | R=0.8 | V=12 mm
H=1.02 | R=0.020 | V=0.31 in
H=1.02 | R=0.031 | V=0.47 in



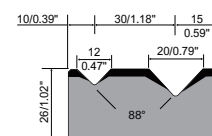
M26.88.03

835 mm 32.87" 9.0 kg
415 mm 16.34" 4.5 kg

C45: 560-710 N/mm²
1000 kN/m max.

88°

H=26 | R=2.75 | V=12 mm
H=26 | R=3 | V=20 mm
H=1.02 | R=0.108 | V=0.47 in
H=1.02 | R=0.118 | V=0.79 in



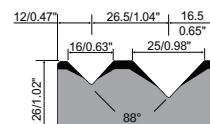
M26.88.04

835 mm 32.87" 8.0 kg
415 mm 16.34" 4.0 kg

C45: 560-710 N/mm²
1000 kN/m max.

88°

H=26 | R=2.75 | V=16 mm
H=26 | R=2.75 | V=25 mm
H=1.02 | R=0.108 | V=0.63 in
H=1.02 | R=0.108 | V=0.98 in



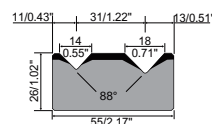
M26.88.05

835 mm 32.87" 8.0 kg
415 mm 16.34" 4.0 kg

C45: 560-710 N/mm²
1000 kN/m max.

88°

H=26 | R=2.75 | V=14 mm
H=26 | R=3 | V=18 mm
H=1.02 | R=0.108 | V=0.55 in
H=1.02 | R=0.118 | V=0.71 in



Zaregistrujte sa na www.rolleri.sk.



Rolleri stránku môžete využívať na kontrolu dodacích termínov, prehľad skladových zásob a zároveň budete informovaný o našich novinkách. Sami si overíte ceny a priamo môžete zadávať objednávky.

Cieľom príručky ohraňovania "Bending handbook" je vám dodať praktické a užitočné informácie k rýchlemu dosiahnutiu požadovaných výsledkov. Nájdete v nej množstvo príkladov, jednoduchých vzorcov a informácií, ktoré správne vysvetľujú prístup k procesu samotného ohraňovania.



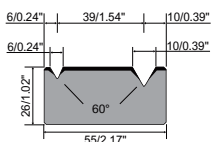
M26.60.01

835 mm 32.87" 9.0 kg
415 mm 16.34" 4.5 kg
900 mm 35.43" 10.0 kg



C45: 560-710 N/mm²
600 kN/m max.

60°
H=26 | R=0.5 | V=6 mm
H=26 | R=0.8 | V=10 mm
H=1.02 | R=0.020 | V=0.24 in
H=1.02 | R=0.031 | V=0.39 in



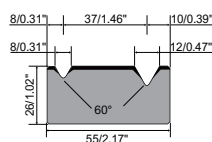
M26.60.02

835 mm 32.87" 9.0 kg
415 mm 16.34" 4.5 kg



C45: 560-710 N/mm²
800 kN/m max.

60°
H=26 | R=0.5 | V=8 mm
H=26 | R=0.8 | V=12 mm
H=1.02 | R=0.020 | V=0.31 in
H=1.02 | R=0.031 | V=0.47 in



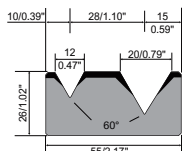
M26.60.03

835 mm 32.87" 8.0 kg
415 mm 16.34" 4.5 kg



C45: 560-710 N/mm²
800 kN/m max.

60°
H=26 | R=0.8 | V=12 mm
H=26 | R=3 | V=20 mm
H=1.02 | R=0.031 | V=0.24 in
H=1.02 | R=0.118 | V=0.39 in



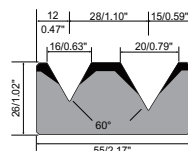
M26.60.05

835 mm 32.87" 8.0 kg
415 mm 16.34" 4.5 kg



C45: 560-710 N/mm²
800 kN/m max.

60°
H=26 | R=3 | V=16 mm
H=26 | R=3 | V=20 mm
H=1.02 | R=0.118 | V=0.63 in
H=1.02 | R=0.118 | V=0.79 in



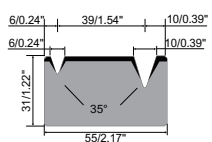
M31.35.01

835 mm 32.87" 11 kg
415 mm 16.34" 5.5 kg



C45: 560-710 N/mm²
300 kN/m max.

35°
H=31 | R=0.6 | V=6 mm
H=31 | R=1 | V=10 mm
H=1.22 | R=0.024 | V=0.24 in
H=1.22 | R=0.039 | V=0.39 in



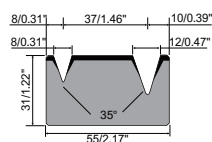
M31.35.02

835 mm 32.87" 10.0 kg
415 mm 16.34" 5.0 kg



C45: 560-710 N/mm²
300 kN/m max.

35°
H=31 | R=1 | V=8 mm
H=31 | R=1.2 | V=12 mm
H=1.22 | R=0.039 | V=0.31 in
H=1.2 | R=0.047 | V=0.47 in



SU034

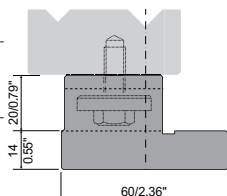
835 mm 32.87" 9.0 kg
415 mm 16.34" 4.5 kg



C45: 560-710 N/mm²

H=34 mm
H=1.34 in

Držiaky



SU055

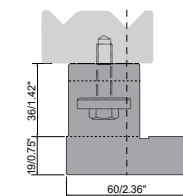
835 mm 32.87" 14.0 kg
415 mm 16.34" 7.2 kg



C45: 560-710 N/mm²

H=55 mm
H=2.17 in

Držiaky



SU075

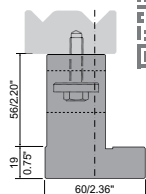
835 mm 32.87" 20.5 kg
415 mm 16.34" 10.0 kg



C45: 560-710 N/mm²

H=75 mm
H=2.95 in

Držiaky





46-10

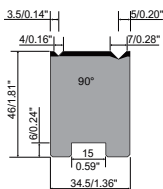
835 mm 32.87" 9.7 kg
 415 mm 16.34" 4.8.0 kg
 795 mm 31.29" 9.7 kg FX
 805 mm 31.69" 9.7 kg F

90° >



C45: 560-710 N/mm²
 800 kN/m max.

90°
 H=46 | R=0.3 | V=4 mm
 H=46 | R=0.5 | V=7 mm
 H=1.81 | R=0.012 | V=0.16 in
 H=1.81 | R=0.020 | V=0.28 in



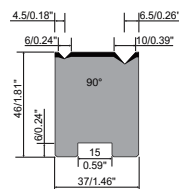
46-11

835 mm 32.87" 10.3 kg
 415 mm 16.34" 5.1 kg
 795 mm 31.29" 9.9 kg FX
 805 mm 31.69" 9.0 kg F



C45: 560-710 N/mm²
 800 kN/m max.

90°
 H=46 | R=0.4 | V=6 mm
 H=46 | R=0.6 | V=10 mm
 H=1.81 | R=0.016 | V=0.24 in
 H=1.81 | R=0.024 | V=0.39 in



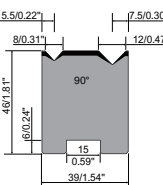
46-12

835 mm 32.87" 10.0 kg
 415 mm 16.34" 5.0 kg
 795 mm 31.29" 9.5 kg FX
 805 mm 31.69" 10.0 kg F



C45: 560-710 N/mm²
 800 kN/m max.

90°
 H=46 | R=0.5 | V=8 mm
 H=46 | R=0.8 | V=12 mm
 H=1.81 | R=0.020 | V=0.31 in
 H=1.81 | R=0.031 | V=0.47 in



46.11.88

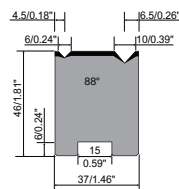
835 mm 32.87" 10.3 kg
 415 mm 16.34" 5.2 kg
 795 mm 31.29" 9.9 kg FX
 805 mm 31.69" 10.3 kg F



88° >

C45: 560-710 N/mm²
 800 kN/m max.

88°
 H=46 | R=0.4 | V=6 mm
 H=46 | R=0.6 | V=10 mm
 H=1.81 | R=0.016 | V=0.24 in
 H=1.81 | R=0.024 | V=0.39 in



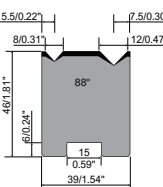
46.13

835 mm 32.87" 10.9 kg
 415 mm 16.34" 5.4 kg
 795 mm 31.29" 9.6 kg FX
 805 mm 31.69" 9.6 kg F



C45: 560-710 N/mm²
 800 kN/m max.

88°
 H=46 | R=0.5 | V=8 mm
 H=46 | R=0.8 | V=12 mm
 H=1.81 | R=0.020 | V=0.31 in
 H=1.81 | R=0.031 | V=0.47 in



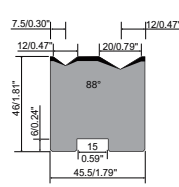
46.14

835 mm 32.87" 12 kg
 415 mm 16.34" 6 kg
 795 mm 31.29" 11.4 kg FX
 805 mm 31.69" 11.5 kg F



C45: 560-710 N/mm²
 800 kN/m max.

88°
 H=46 | R=0.8 | V=12 mm
 H=46 | R=1.75 | V=20 mm
 H=1.81 | R=0.031 | V=0.47 in
 H=1.81 | R=0.069 | V=0.79 in



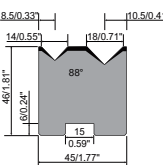
46.15

835 mm 32.87" 12.6 kg
 415 mm 16.34" 6 kg
 795 mm 31.29" 12 kg FX
 805 mm 31.69" 12.1 kg F



C45: 560-710 N/mm²
 800 kN/m max.

88°
 H=46 | R=1.25 | V=14 mm
 H=46 | R=1.5 | V=18 mm
 H=1.81 | R=0.049 | V=0.55 in
 H=1.81 | R=0.059 | V=0.71 in



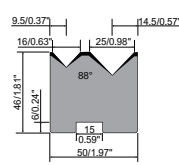
46.16

835 mm 32.87" 13 kg
 415 mm 16.34" 6.5 kg
 795 mm 31.29" 12.4 kg FX
 805 mm 31.69" 12.5 kg F



C45: 560-710 N/mm²
 800 kN/m max.

88°
 H=46 | R=1.5 | V=16 mm
 H=46 | R=1.75 | V=25 mm
 H=1.81 | R=0.059 | V=0.63 in
 H=1.81 | R=0.069 | V=0.98 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

In: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94





M26.85.02

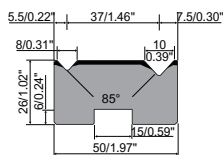
835 mm 32.87" 9.0 kg
 415 mm 16.34" 4.5 kg
 795 mm 31.29" 8.6 kg FX
 805 mm 31.69" 8.7 kg F

85° >



42Cr: 900-1150 N/mm²
 1000 kN/m max.

85°
 H=26 | R=0.5 | V=8 mm
 H=26 | R=0.8 | V=12 mm
 H=1.02 | R=0.020 | V=0.31 in
 H=1.02 | R=0.031 | V=0.47 in



PM50 + Je potrebný držiak nástroja

46.17

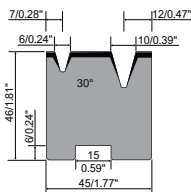
835 mm 32.87" 12.2 kg
 415 mm 16.34" 6 kg
 795 mm 31.29" 12.2 kg FX
 805 mm 31.69" 12.2 kg F

30° >



C45: 560-710 N/mm²
 1000 kN/m max.

30°
 H=46 | R=0.6 | V=6 mm
 H=46 | R=1 | V=10 mm
 H=1.81 | R=0.024 | V=0.24 in
 H=1.81 | R=0.039 | V=0.39 in



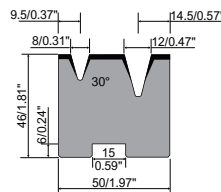
46.18

835 mm 32.87" 13.2 kg
 415 mm 16.34" 6.6 kg
 795 mm 31.29" 13 kg FX
 805 mm 31.69" 13 kg F



C45: 560-710 N/mm²
 400 kN/m max.

30°
 H=46 | R=0.8 | V=8 mm
 H=46 | R=1.5 | V=12 mm
 H=1.81 | R=0.031 | V=0.31 in
 H=1.81 | R=0.059 | V=0.47 in



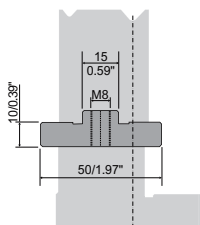
PM50

835 mm 32.87" 4.0 kg
 415 mm 16.34" 3.7 kg



C45: 560-710 N/mm²
 1000 kN/m max.

H=15 mm
 H=0.59 in



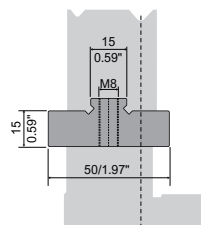
PM50.20

835 mm 32.87" 5.4 kg
 415 mm 16.34" 2.6 kg



C45: 560-710 N/mm²
 1000 kN/m max.

H=20 mm
 H=0.79 in



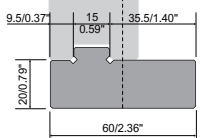
PM60

835 mm 32.87" 7.5 kg
 415 mm 16.34" 3.7 kg



C45: 560-710 N/mm²
 1000 kN/m max.

H=25 mm
 H=0.98 in



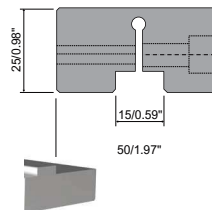
PB60

0.2 kg



Fe37: 370-470 N/mm²

H=25 mm
 H=0.98 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94





AMR60.04.88

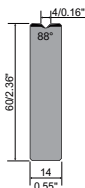
835 mm	32.87"	5.4 kg
415 mm	16.34"	2.7 kg
795 mm	31.29"	5.1 kg FX
805 mm	31.69"	5.2 kg F

88° >



C45: 560-710 N/mm²
1000 kN/m max.

88°
H=60 | R=0.6 | V=4 mm
H=2.36 | R=0.024 | V=4 in

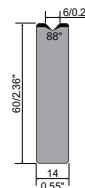


AMR60.06.88

835 mm	32.87"	5.4 kg
415 mm	16.34"	2.7 kg
795 mm	31.29"	5.2 kg FX
805 mm	31.69"	5.2 kg F

C45: 560-710 N/mm²
1000 kN/m max.

88°
H=60 | R=0.8 | V=6 mm
H=2.36 | R=0.031 | V=0.24 in

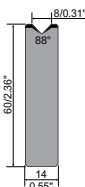


AMR60.08.88

835 mm	32.87"	5.4 kg
415 mm	16.34"	2.7 kg
795 mm	31.29"	5.2 kg FX
805 mm	31.69"	5.2 kg F

C45: 560-710 N/mm²
1000 kN/m max.

88°
H=60 | R=1.0 | V=8 mm
H=2.36 | R=0.039 | V=0.31 in

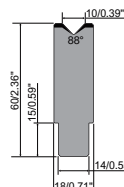


AMR60.10.88

835 mm	32.87"	5.6 kg
415 mm	16.34"	2.8 kg
795 mm	31.29"	5.4 kg FX
805 mm	31.69"	5.4 kg F

C45: 560-710 N/mm²
1000 kN/m max.

88°
H=60 | R=1.2 | V=10 mm
H=2.36 | R=0.047 | V=0.39 in

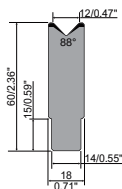


AMR60.12.88

835 mm	32.87"	6.1 kg
415 mm	16.34"	3 kg
795 mm	31.29"	5.8 kg FX
805 mm	31.69"	5.9 kg F

C45: 560-710 N/mm²
1000 kN/m max.

88°
H=60 | R=1.5 | V=12 mm
H=2.36 | R=0.059 | V=0.47 in

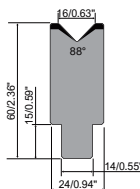


AMR60.16.88

835 mm	32.87"	7.1 kg
415 mm	16.34"	3.5 kg
795 mm	31.29"	6.8 kg FX
805 mm	31.69"	6.9 kg F

C45: 560-710 N/mm²
1000 kN/m max.

88°
H=60 | R=2 | V=16 mm
H=2.36 | R=0.079 | V=0.63 in

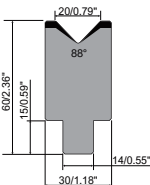


AMR60.20.88

835 mm	32.87"	8.0 kg
415 mm	16.34"	4.0 kg
795 mm	31.29"	7.8 kg FX
805 mm	31.69"	7.8 kg F

C45: 560-710 N/mm²
1000 kN/m max.

88°
H=60 | R=2 | V=20 mm
H=2.36 | R=0.079 | V=0.79 in

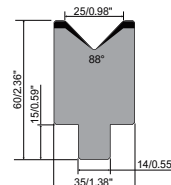


AMR60.25.88

835 mm	32.87"	9.1 kg
415 mm	16.34"	4.6 kg
795 mm	31.29"	8.9 kg FX
805 mm	31.69"	8.9 kg F

C45: 560-710 N/mm²
1000 kN/m max.

88°
H=60 | R=3 | V=25 mm
H=2.36 | R=0.118 | V=0.98 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94





AMR60.04.85

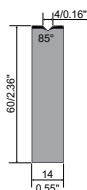
835 mm	32.87"	5.4 kg	
415 mm	16.34"	2.7 kg	
795 mm	31.29"	5.2 kg	FX
805 mm	31.69"	5.2 kg	F

85° >



C45: 560-710 N/mm²
1000 kN/m max.

85°
H=60 | R=0.6 | V=4 mm
H=2.36 | R=0.024 | V=0.114 in



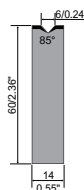
AMR60.06.85

835 mm	32.87"	5.4 kg	
415 mm	16.34"	2.7 kg	
795 mm	31.29"	5.1 kg	FX
805 mm	31.69"	5.2 kg	F



C45: 560-710 N/mm²
1000 kN/m max.

85°
H=60 | R=0.8 | V=6 mm
H=2.36 | R=0.031 | V=0.24 in



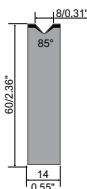
AMR60.08.85

835 mm	32.87"	5.4 kg	
415 mm	16.34"	2.7 kg	
795 mm	31.29"	5.1 kg	FX
805 mm	31.69"	5.2 kg	F



C45: 560-710 N/mm²
1000 kN/m max.

85°
H=60 | R=1 | V=8 mm
H=2.36 | R=0.39 | V=0.31 in



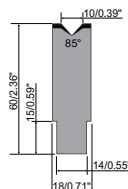
AMR60.10.85

835 mm	32.87"	5.6 kg	
415 mm	16.34"	2.8 kg	
795 mm	31.29"	5.3 kg	FX
805 mm	31.69"	5.4 kg	F



C45: 560-710 N/mm²
1000 kN/m max.

85°
H=60 | R=1.2 | V=10 mm
H=2.36 | R=0.047 | V=0.39 in



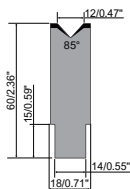
AMR60.12.85

835 mm	32.87"	6.1 kg	
415 mm	16.34"	3.0 kg	
795 mm	31.29"	5.8 kg	FX
805 mm	31.69"	5.9 kg	F



C45: 560-710 N/mm²
1000 kN/m max.

85°
H=60 | R=1.5 | V=12 mm
H=2.36 | R=0.059 | V=0.47 in



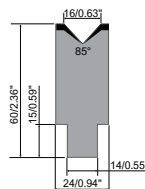
AMR60.16.85

835 mm	32.87"	7.1 kg	
415 mm	16.34"	3.5 kg	
795 mm	31.29"	6.8 kg	FX
805 mm	31.69"	6.9 kg	F



C45: 560-710 N/mm²
1000 kN/m max.

85°
H=60 | R=2 | V=16 mm
H=2.36 | R=0.079 | V=0.63 in



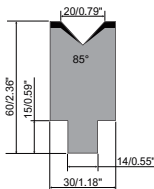
AMR60.20.85

835 mm	32.87"	8.0 kg	
415 mm	16.34"	4.0 kg	
795 mm	31.29"	7.6 kg	FX
805 mm	31.69"	7.7 kg	F



C45: 560-710 N/mm²
1000 kN/m max.

85°
H=60 | R=2 | V=20 mm
H=2.36 | R=0.079 | V=0.79 in



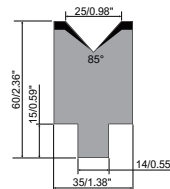
AMR60.25.85

835 mm	32.87"	9.2 kg	
415 mm	16.34"	4.6 kg	
795 mm	31.29"	8.8 kg	FX
805 mm	31.69"	8.9 kg	F



C45: 560-710 N/mm²
1000 kN/m max.

85°
H=60 | R=3 | V=25 mm
H=2.36 | R=0.118 | V=0.98 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94





AMR60.06.30

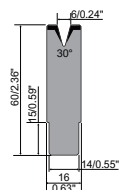
835 mm	32.87"	5.9 kg
415 mm	16.34"	2.9 kg
795 mm	31.29"	5.6 kg FX
805 mm	31.69"	5.7 kg F

30° >



C45: 560-710 N/mm²
1000 kN/m max.

30°
H=60 | R=0.6 | V=6 mm
H=2.36 | R=0.024 | V=0.24 in

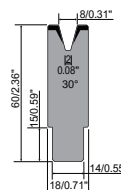


AMR60.08.30

835 mm	32.87"	6.6 kg
415 mm	16.34"	3.3 kg
795 mm	31.29"	6.3 kg FX
805 mm	31.69"	6.4 kg F

C45: 560-710 N/mm²
1000 kN/m max.

30°
H=60 | R=0.8 | V=8 mm
H=2.36 | R=0.031 | V=0.31 in

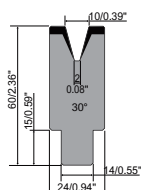


AMR60.10.30

835 mm	32.87"	7.8 kg
415 mm	16.34"	3.9 kg
795 mm	31.29"	7.4 kg FX
805 mm	31.69"	7.5 kg F

C45: 560-710 N/mm²
1000 kN/m max.

30°
H=60 | R=1 | V=10 mm
H=2.36 | R=0.039 | V=0.39 in

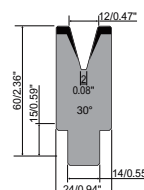


AMR60.12.30

835 mm	32.87"	7.8 kg
415 mm	16.34"	3.9 kg
795 mm	31.29"	7.5 kg FX
805 mm	31.69"	7.6 kg F

C45: 560-710 N/mm²
1000 kN/m max.

30°
H=60 | R=1.5 | V=12 mm
H=2.36 | R=0.059 | V=0.47 in

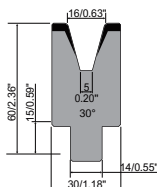


AMR60.16.30

835 mm	32.87"	8.8 kg
415 mm	16.34"	4.7 kg
795 mm	31.29"	8.4 kg FX
805 mm	31.69"	9.2 kg F

C45: 560-710 N/mm²
1000 kN/m max.

30°
H=60 | R=2 | V=16 mm
H=2.36 | R=0.079 | V=0.63 in

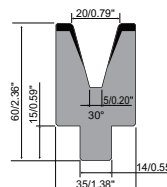


AMR60.20.30

835 mm	32.87"	15.9 kg
415 mm	16.34"	7.9 kg
795 mm	31.29"	15.3 kg FX
805 mm	31.69"	15.3 kg F

C45: 560-710 N/mm²
1000 kN/m max.

30°
H=60 | R=2.5 | V=20 mm
H=2.36 | R=0.098 | V=0.79 in

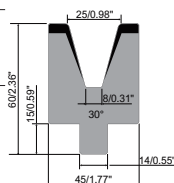


AMR65.25.30

835 mm	32.87"	13.0 kg
415 mm	16.34"	6.4 kg
795 mm	31.29"	12.4 kg FX
805 mm	31.69"	12.2 kg F

C45: 560-710 N/mm²
1000 kN/m max.

30°
H=60 | R=3 | V=25 mm
H=2.36 | R=0.118 | V=0.98 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94





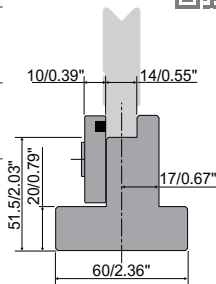
SU61F

835 mm 32.87" 16.0 kg
415 mm 16.34" 7.3 kg



C45: 560-710 N/mm²
1000 kN/m max.

H=61.5 mm
H=2.42 in



08000

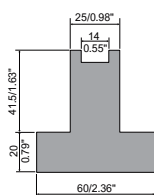
1050 mm 41.34" 14.0 kg



C45: 560-710 N/mm²
950 kN/m max.

H=61.5 mm
H=2.42 in

Držiaky



08100

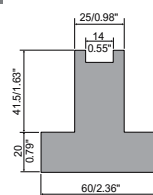
1260 mm 49.61" 14.0 kg



C45: 560-710 N/mm²
950 kN/m max.

H=61.5 mm
H=2.42 in

Držiaky



T-spodné nástroje CLASSIC séria

T80.06.90

835 mm 32.87" 13.0 kg
415 mm 16.34" 6.5 kg
795 mm 31.29" 12.4 kg FX
805 mm 31.69" 12.5 kg F
900 mm 35.43" 14.0 kg



90° >

C45: 560-710 N/mm²
1000 kN/m max.

90°

H=80 | R=0.4 | V=6 mm
H=3.15 | R=0.01 | V=0.24 in



T80.08.90

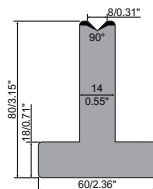
835 mm 32.87" 13.0 kg
415 mm 16.34" 6.5 kg
795 mm 31.29" 12.4 kg FX
805 mm 31.69" 12.5 kg F
900 mm 35.43" 14.0 kg



C45: 560-710 N/mm²
1000 kN/m max.

90°

H=80 | R=0.5 | V=8 mm
H=3.15 | R=0.02 | V=0.31 in



T80.10.90

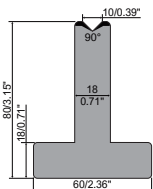
835 mm 32.87" 14.2 kg
415 mm 16.34" 7.1 kg
795 mm 31.29" 13.5 kg FX
805 mm 31.69" 13.7 kg F



C45: 560-710 N/mm²
1000 kN/m max.

90°

H=80 | R=0.6 | V=10 mm
H=3.15 | R=0.02 | V=0.39 in



T80.12.90

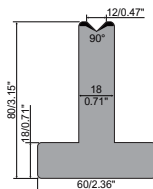
835 mm 32.87" 14.0 kg
415 mm 16.34" 7.0 kg
795 mm 31.29" 13.3 kg FX
805 mm 31.69" 13.5 kg F



C45: 560-710 N/mm²
1000 kN/m max.

90°

H=80 | R=0.8 | V=12 mm
H=3.15 | R=0.03 | V=0.47 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94

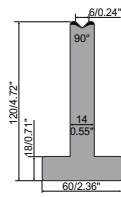


T120.06.90

835 mm	32.87"	16.5 kg
415 mm	16.34"	8.2 kg
795 mm	31.29"	15.7 kg FX
805 mm	31.69"	15.9 kg F

C45: 560-710 N/mm²
1000 kN/m max.

90°
H=120 | R=0.4 | V=6 mm
H=4.72 | R=0.01 | V=0.24 in

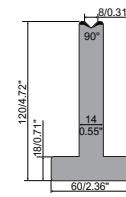


T120.08.90

835 mm	32.87"	16.5 kg
415 mm	16.34"	8.2 kg
795 mm	31.29"	15.9 kg FX
805 mm	31.69"	15.7 kg F

C45: 560-710 N/mm²
1000 kN/m max.

90°
H=120 | R=0.5 | V=8 mm
H=4.72 | R=0.02 | V=0.31 in

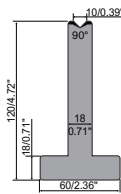


T120.10.90

835 mm	32.87"	19.0 kg
415 mm	16.34"	9.4 kg
795 mm	31.29"	18.1 kg FX
805 mm	31.69"	18.3 kg F

C45: 560-710 N/mm²
1000 kN/m max.

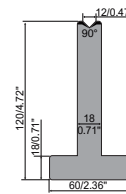
90°
H=120 | R=0.6 | V=10 mm
H=4.72 | R=0.02 | V=0.39 in



835 mm	32.87"	18.9 kg
415 mm	16.34"	9.4 kg
795 mm	31.29"	18.0 kg FX
805 mm	31.69"	18.2 kg F

C45: 560-710 N/mm²
1000 kN/m max.

90°
H=120 | R=0.8 | V=12 mm
H=4.72 | R=0.03 | V=0.47 in

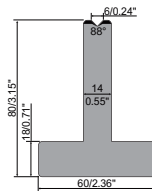


T80.06.88

835 mm	32.87"	13.0 kg
415 mm	16.34"	6.5 kg
795 mm	31.29"	12.4 kg FX
805 mm	31.69"	12.5 kg F

C45: 560-710 N/mm²
1000 kN/m max.

88°
H=80 | R=0.4 | V=6 mm
H=3.15 | R=0.01 | V=0.24 in

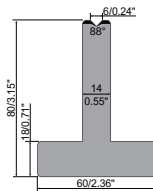


TR80.06.88

835 mm	32.87"	13.0 kg
415 mm	16.34"	6.5 kg
795 mm	31.29"	12.4 kg FX
805 mm	31.69"	12.5 kg F

C45: 560-710 N/mm²
1000 kN/m max.

88°
H=80 | R=2.75 | V=6 mm
H=3.15 | R=0.11 | V=0.24 in

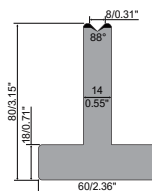


T80.08.88

835 mm	32.87"	13.0 kg
415 mm	16.34"	6.5 kg
795 mm	31.29"	12.4 kg FX
805 mm	31.69"	12.5 kg F

C45: 560-710 N/mm²
1000 kN/m max.

88°
H=80 | R=0.5 | V=8 mm
H=3.15 | R=0.02 | V=0.31 in

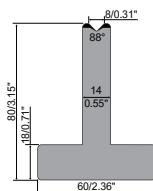


TR80.08.88

835 mm	32.87"	13.0 kg
415 mm	16.34"	6.5 kg
795 mm	31.29"	12.4 kg FX
805 mm	31.69"	12.5 kg F

C45: 560-710 N/mm²
1000 kN/m max.

88°
H=80 | R=2.75 | V=8 mm
H=3.15 | R=0.11 | V=0.31 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94





T80.10.88

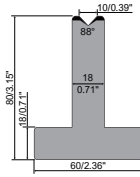
835 mm	32.87"	14.2 kg
415 mm	16.34"	7.1 kg
795 mm	31.29"	13.5 kg FX
805 mm	31.69"	13.7 kg F



C45: 560-710 N/mm²
1000 kN/m max.

88°

H=80 | R=0.8 | V=10 mm
H=3.15 | R=0.03 | V=0.39 in



TR80.10.88

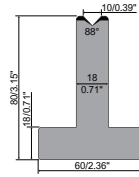


835 mm	32.87"	15 kg
415 mm	16.34"	7.5 kg
795 mm	31.29"	15 kg FX
805 mm	31.69"	15 kg F

C45: 560-710 N/mm²
1000 kN/m max.

88°

H=80 | R=2.75 | V=10 mm
H=3.15 | R=0.11 | V=0.39 in



T80.12.88

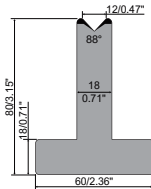
835 mm	32.87"	14.0 kg
415 mm	16.34"	7.0 kg
795 mm	31.29"	13.3 kg FX
805 mm	31.69"	13.5 kg F



C45: 560-710 N/mm²
1000 kN/m max.

88°

H=80 | R=2.75 | V=12 mm
H=3.15 | R=0.108 | V=0.47 in



T80.16.88

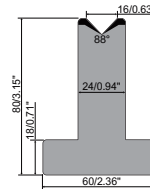


835 mm	32.87"	16.6 kg
415 mm	16.34"	8.3 kg
795 mm	31.29"	15.8 kg FX
805 mm	31.69"	16.0 kg F

C45: 560-710 N/mm²
1000 kN/m max.

88°

H=80 | R=2.75 | V=16 mm
H=3.15 | R=0.108 | V=0.63 in



T80.20.88

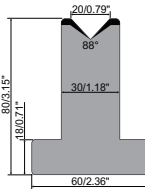
835 mm	32.87"	18.5 kg
415 mm	16.34"	9.2 kg
795 mm	31.29"	17.6 kg FX
805 mm	31.69"	17.8 kg F



C45: 560-710 N/mm²
1000 kN/m max.

88°

H=80 | R=3 | V=20 mm
H=3.15 | R=0.118 | V=0.78 in



T80.25.88

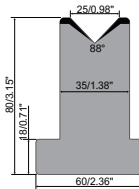


835 mm	32.87"	20.2 kg
415 mm	16.34"	10.0 kg
795 mm	31.29"	19.2 kg FX
805 mm	31.69"	19.5 kg F

C45: 560-710 N/mm²
1000 kN/m max.

88°

H=80 | R=3 | V=25 mm
H=3.15 | R=0.118 | V=0.98 in



T120.06.88

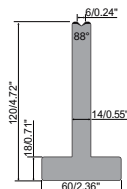
835 mm	32.87"	16.5 kg
415 mm	16.34"	8.2 kg
795 mm	31.29"	15.2 kg FX
805 mm	31.69"	15.9 kg F



C45: 560-710 N/mm²
1000 kN/m max.

88°

H=120 | R=0.4 | V=6 mm
H=4.72 | R=0.01 | V=0.24 in



TR120.06.88

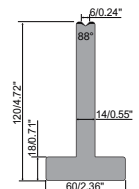


835 mm	32.87"	16 kg
415 mm	16.34"	8.0 kg
795 mm	31.29"	15.2 kg FX
805 mm	31.69"	16 kg F

C45: 560-710 N/mm²
1000 kN/m max.

88°

H=120 | R=2.75 | V=6 mm
H=4.72 | R=0.11 | V=0.24 in



Materiál po ohraňovaní často na sebe nesie stopy - tzv. ohybové línie, ktoré sú dôsledkom jeho samotného kontaktu so spodným nástrojom. Je to dôsledok trenia medzi plechom a malým rádiusom spodného nástroja. Aby ste sa vyhlili takýmto viditeľným oterom po ohraňovaní - môžete použiť TR spodné nástroje s väčším rádiusom (taktiež môžeme upraviť vaše spodné nástroje) s fóliou **ROLFILM**.



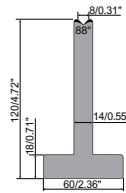
Kliknite na QR kód alebo ho zoscanujte a ihneď sa dozviete o našich TR spodných nástrojoch viac.

T120.08.88

835 mm	32.87"	16.5 kg	
415 mm	16.34"	8.2 kg	
795 mm	31.29"	15.7 kg	FX
805 mm	31.69"	15.9 kg	F

C45: 560-710 N/mm²
1000 kN/m max.

88°
H=120 | R=0.5 | V=8 mm
H=4.72 | R=0.02 | V=0.31 in

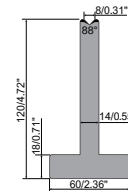


TR120.08.88

835 mm	32.87"	16 kg	
415 mm	16.34"	8.0 kg	
795 mm	31.29"	15.2 kg	FX
805 mm	31.69"	16 kg	F

C45: 560-710 N/mm²
1000 kN/m max.

88°
H=120 | R=2.75 | V=8 mm
H=4.72 | R=0.11 | V=0.31 in

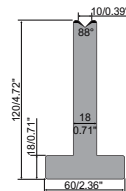


T120.10.88

835 mm	32.87"	19.0 kg	
415 mm	16.34"	9.4 kg	
795 mm	31.29"	18.1 kg	FX
805 mm	31.69"	18.3 kg	F

C45: 560-710 N/mm²
1000 kN/m max.

88°
H=120 | R=0.8 | V=10 mm
H=4.72 | R=0.03 | V=0.39 in

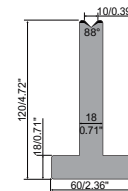


TR120.10.88

835 mm	32.87"	18.0 kg	
415 mm	16.34"	9.0 kg	
795 mm	31.29"	18.0 kg	FX
805 mm	31.69"	18.0 kg	F

C45: 560-710 N/mm²
1000 kN/m max.

88°
H=120 | R=2.75 | V=10 mm
H=4.72 | R=0.11 | V=0.39 in

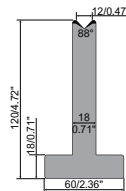


T120.12.88

835 mm	32.87"	18.9 kg	
415 mm	16.34"	9.4 kg	
795 mm	31.29"	18.0 kg	FX
805 mm	31.69"	18.2 kg	F

C45: 560-710 N/mm²
1000 kN/m max.

88°
H=120 | R=2.75 | V=12 mm
H=4.72 | R=0.11 | V=0.47 in

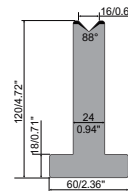


T120.16.88

835 mm	32.87"	22.0 kg	
415 mm	16.34"	10.9 kg	
795 mm	31.29"	20.9 kg	FX
805 mm	31.69"	21.2 kg	F

C45: 560-710 N/mm²
1000 kN/m max.

88°
H=120 | R=2.75 | V=16 mm
H=4.72 | R=0.11 | V=0.63 in

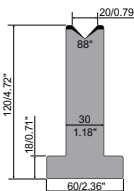


T120.20.88

835 mm	32.87"	27.0 kg	
415 mm	16.34"	13.4 kg	
795 mm	31.29"	25.7 kg	FX
805 mm	31.69"	26.0 kg	F

C45: 560-710 N/mm²
1000 kN/m max.

88°
H=120 | R=3 | V=20 mm
H=4.72 | R=0.118 | V=0.79 in

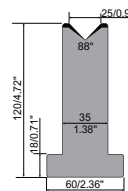


T120.25.88

835 mm	32.87"	30.0 kg	
415 mm	16.34"	14.9 kg	
795 mm	31.29"	28.6 kg	FX
805 mm	31.69"	28.9 kg	F

C45: 560-710 N/mm²
1000 kN/m max.

88°
H=120 | R=3 | V=25 mm
H=4.72 | R=0.118 | V=0.98 in



Materiál po ohraňovaní často na sebe nesie stopy - tzv. ohybové línie, ktoré sú dôsledkom jeho samotného kontaktu so spodným nástrojom. Je to dôsledok trenia medzi plechom a malým rádiusom spodného nástroja. Aby ste sa vyhli takýmto viditeľným oterom po ohraňovaní - môžete použiť TR spodné nástroje s väčším rádiusom (taktiež môžeme upraviť vaše spodné nástroje) s fóliou **ROLFILM**.



Kliknite na QR kód alebo ho zoscanujte a ihneď sa dozviete o našich TR spodných nástrojoch viac.



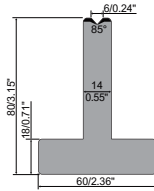
T80.06.85

835 mm 32.87" 13.0 kg
 415 mm 16.34" 6.5 kg
 795 mm 31.29" 12.4 kg FX
 805 mm 31.69" 12.5 kg F

85° >



C45: 560-710 N/mm²
 1000 kN/m max.
 85°
 H=80 | R=2.75 | V=6 mm
 H=3.15 | R=0.108 | V=0.24 in

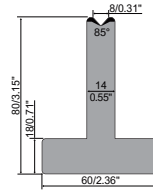


T80.08.85

835 mm 32.87" 13.0 kg
 415 mm 16.34" 6.5 kg
 795 mm 31.29" 12.4 kg FX
 805 mm 31.69" 12.5 kg F



C45: 560-710 N/mm²
 1000 kN/m max.
 85°
 H=80 | R=2.75 | V=8 mm
 H=3.15 | R=0.108 | V=0.31 in

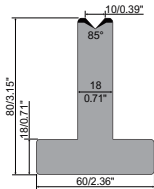


T80.10.85

835 mm 32.87" 14.2 kg
 415 mm 16.34" 7.1 kg
 795 mm 31.29" 13.5 kg FX
 805 mm 31.69" 13.7 kg F



C45: 560-710 N/mm²
 1000 kN/m max.
 85°
 H=80 | R=2.75 | V=10 mm
 H=3.15 | R=0.108 | V=0.39 in

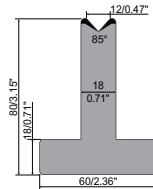


T80.12.85

835 mm 32.87" 14.0 kg
 415 mm 16.34" 7 kg
 795 mm 31.29" 13.3 kg FX
 805 mm 31.69" 13.5 kg F



C45: 560-710 N/mm²
 1000 kN/m max.
 85°
 H=80 | R=2.75 | V=12 mm
 H=3.15 | R=0.108 | V=0.47 in

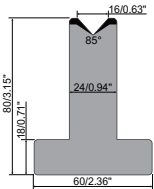


T80.16.85

835 mm 32.87" 16.6 kg
 415 mm 16.34" 8.3 kg
 795 mm 31.29" 15.8 kg FX
 805 mm 31.69" 16.0 kg F



C45: 560-710 N/mm²
 1000 kN/m max.
 85°
 H=80 | R=2.75 | V=16 mm
 H=3.15 | R=0.108 | V=0.63 in

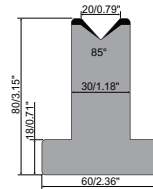


T80.20.85

835 mm 32.87" 18.5 kg
 415 mm 16.34" 9.2 kg
 795 mm 31.29" 17.6 kg FX
 805 mm 31.69" 17.8 kg F



C45: 560-710 N/mm²
 1000 kN/m max.
 85°
 H=80 | R=3 | V=20 mm
 H=3.15 | R=0.118 | V=0.78 in

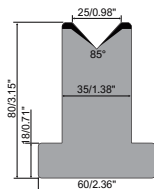


T80.25.85

835 mm 32.87" 20.2 kg
 415 mm 16.34" 10.0 kg
 795 mm 31.29" 19.2 kg FX
 805 mm 31.69" 19.5 kg F



C45: 560-710 N/mm²
 1000 kN/m max.
 85°
 H=80 | R=3 | V=25 mm
 H=3.15 | R=0.118 | V=0.98 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94

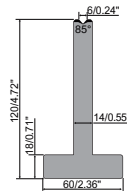


T120.06.85

835 mm	32.87"	16.3 kg	
415 mm	16.34"	8.1 kg	
795 mm	31.29"	15.7 kg	FX
805 mm	31.69"	15.7 kg	F

C45: 560-710 N/mm²
1000 kN/m max.

85°
H=120 | R=2.75 | V=6 mm
H=4.72 | R=0.108 | V=0.24 in

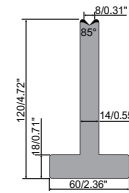


T120.08.85

835 mm	32.87"	16.3 kg	
415 mm	16.34"	8.1 kg	
795 mm	31.29"	15.7 kg	FX
805 mm	31.69"	15.7 kg	F

C45: 560-710 N/mm²
1000 kN/m max.

85°
H=120 | R=2.75 | V=8 mm
H=4.72 | R=0.108 | V=0.31 in

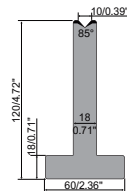


T120.10.85

835 mm	32.87"	19.0 kg	
415 mm	16.34"	9.5.0 kg	
795 mm	31.29"	19.0 kg	FX
805 mm	31.69"	19.0 kg	F

C45: 560-710 N/mm²
1000 kN/m max.

85°
H=120 | R=2.75 | V=10 mm
H=4.72 | R=0.108 | V=0.39 in

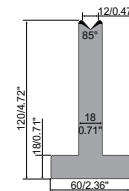


T120.12.85

835 mm	32.87"	18.9 kg	
415 mm	16.34"	9.4.0 kg	
795 mm	31.29"	18.2 kg	FX
805 mm	31.69"	18.2 kg	F

C45: 560-710 N/mm²
1000 kN/m max.

85°
H=120 | R=2.75 | V=12 mm
H=4.72 | R=0.108 | V=0.47 in

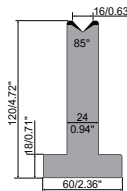


T120.16.85

835 mm	32.87"	22.7 kg	
415 mm	16.34"	11.3 kg	
795 mm	31.29"	21.9 kg	FX
805 mm	31.69"	21.9 kg	F

C45: 560-710 N/mm²
1000 kN/m max.

85°
H=120 | R=2.75 | V=16 mm
H=4.72 | R=0.108 | V=0.63 in

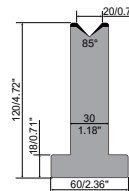


T120.20.85

835 mm	32.87"	26.4 kg	
415 mm	16.34"	13 kg	
795 mm	31.29"	25.5 kg	FX
805 mm	31.69"	25.5 kg	F

C45: 560-710 N/mm²
1000 kN/m max.

85°
H=120 | R=3 | V=20 mm
H=4.72 | R=0.118 | V=0.79 in

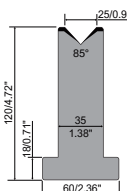


T120.25.85

835 mm	32.87"	30 kg	
415 mm	16.34"	15 kg	
795 mm	31.29"	30 kg	FX
805 mm	31.69"	30 kg	F

C45: 560-710 N/mm²
1000 kN/m max.

85°
H=120 | R=3 | V=25 mm
H=4.72 | R=0.118 | V=0.98 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94





T80.06.80

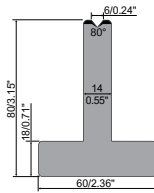
835 mm 32.87" 13.0 kg
 415 mm 16.34" 6.5 kg
 795 mm 31.29" 12.4 kg FX
 805 mm 31.69" 12.5 kg F

80° >



C45: 560-710 N/mm²
 950 kN/m max.

80°
 H=80 | R=2.75 | V=6 mm
 H=3.15 | R=0.108 | V=0.24 in



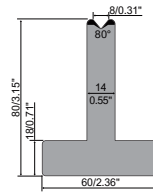
T80.08.80

835 mm 32.87" 13.0 kg
 415 mm 16.34" 6.5 kg
 795 mm 31.29" 12.4 kg FX
 805 mm 31.69" 12.5 kg F



C45: 560-710 N/mm²
 950 kN/m max.

80°
 H=80 | R=2.75 | V=8 mm
 H=3.15 | R=0.108 | V=0.31 in



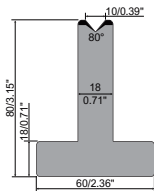
T80.10.80

835 mm 32.87" 14.2 kg
 415 mm 16.34" 7.1 kg
 795 mm 31.29" 13.5 kg FX
 805 mm 31.69" 13.7 kg F



C45: 560-710 N/mm²
 950 kN/m max.

80°
 H=80 | R=2.75 | V=10 mm
 H=3.15 | R=0.108 | V=0.39 in



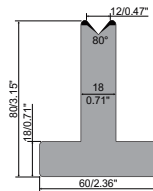
T80.12.80

835 mm 32.87" 14.0 kg
 415 mm 16.34" 7.0 kg
 795 mm 31.29" 13.3 kg FX
 805 mm 31.69" 13.5 kg F



C45: 560-710 N/mm²
 950 kN/m max.

80°
 H=80 | R=2.75 | V=12 mm
 H=3.15 | R=0.108 | V=0.47 in



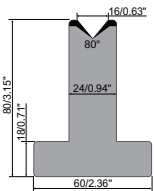
T80.16.80

835 mm 32.87" 16.6 kg
 415 mm 16.34" 8.3 kg
 795 mm 31.29" 15.8 kg FX
 805 mm 31.69" 16.0 kg F



C45: 560-710 N/mm²
 950 kN/m max.

80°
 H=80 | R=2.75 | V=16 mm
 H=3.15 | R=0.108 | V=0.63 in



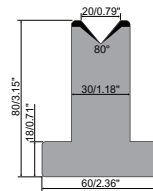
T80.20.80

835 mm 32.87" 18.5 kg
 415 mm 16.34" 9.2 kg
 795 mm 31.29" 17.6 kg FX
 805 mm 31.69" 17.8 kg F



C45: 560-710 N/mm²
 950 kN/m max.

80°
 H=80 | R=3 | V=25 mm
 H=3.15 | R=0.118 | V=0.98 in



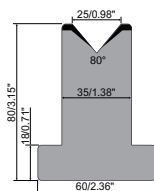
T80.25.80

835 mm 32.87" 20.2 kg
 415 mm 16.34" 10.0 kg
 795 mm 31.29" 19.2 kg FX
 805 mm 31.69" 19.5 kg F



C45: 560-710 N/mm²
 1000 kN/m max.

80°
 H=80 | R=3 | V=25 mm
 H=3.15 | R=0.118 | V=0.98 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94

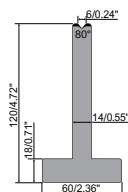


T120.06.80

835 mm 32.87" 16.5 kg
 415 mm 16.34" 8.2 kg
 795 mm 31.29" 15.7 kg FX
 805 mm 31.69" 15.9 kg F

C45: 560-710 N/mm²
 950 kN/m max.

80°
 H=120 | R=2.75 | V=6 mm
 H=4.72 | R=0.108 | V=0.24 in

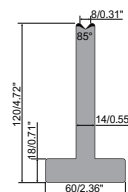


T120.08.80

835 mm 32.87" 16.5 kg
 415 mm 16.34" 8.2 kg
 795 mm 31.29" 15.7 kg FX
 805 mm 31.69" 15.9 kg F

C45: 560-710 N/mm²
 1000 kN/m max.

80°
 H=120 | R=2.75 | V=8 mm
 H=4.72 | R=0.108 | V=0.31 in

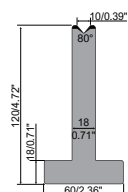


T120.10.80

835 mm 32.87" 19.0 kg
 415 mm 16.34" 9.4 kg
 795 mm 31.29" 18.1 kg FX
 805 mm 31.69" 18.3 kg F

C45: 560-710 N/mm²
 950 kN/m max.

80°
 H=120 | R=2.75 | V=10 mm
 H=4.72 | R=0.108 | V=0.39 in

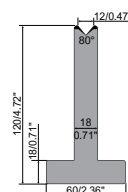


T120.12.80

835 mm 32.87" 18.9 kg
 415 mm 16.34" 9.4 kg
 795 mm 31.29" 18.0 kg FX
 805 mm 31.69" 18.2 kg F

C45: 560-710 N/mm²
 950 kN/m max.

80°
 H=120 | R=2.75 | V=12 mm
 H=4.72 | R=0.108 | V=0.47 in

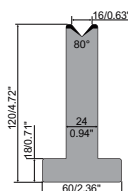


T120.16.80

835 mm 32.87" 22.0 kg
 415 mm 16.34" 10.9 kg
 795 mm 31.29" 20.9 kg FX
 805 mm 31.69" 21.2 kg F

C45: 560-710 N/mm²
 950 kN/m max.

80°
 H=120 | R=2.75 | V=16 mm
 H=4.72 | R=0.108 | V=0.63 in

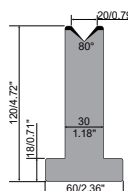


T120.20.80

835 mm 32.87" 27.0 kg
 415 mm 16.34" 13.4 kg
 795 mm 31.29" 25.7 kg FX
 805 mm 31.69" 26.0 kg F

C45: 560-710 N/mm²
 950 kN/m max.

80°
 H=120 | R=3 | V=20 mm
 H=4.72 | R=0.118 | V=0.79 in

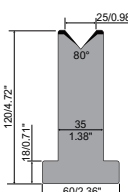


T120.25.80

835 mm 32.87" 30.0 kg
 415 mm 16.34" 14.9 kg
 795 mm 31.29" 28.6 kg FX
 805 mm 31.69" 28.9 kg F

C45: 560-710 N/mm²
 1000 kN/m max.

80°
 H=120 | R=3 | V=25 mm
 H=4.72 | R=0.118 | V=0.98 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94



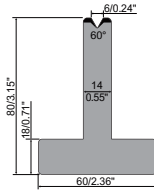


T80.06.60

835 mm 32.87" 13.0 kg
415 mm 16.34" 6.5 kg
795 mm 31.29" 12.4 kg FX
805 mm 31.69" 12.5 kg F

C45: 560-710 N/mm²
600 kN/m max.

60°
H=80 | R=0.5 | V=6 mm
H=3.15 | R=0.02 | V=0.24 in



60° >

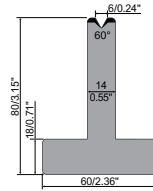


TR80.06.60

835 mm 32.87" 13 kg
415 mm 16.34" 6.5 kg
795 mm 31.29" 13 kg FX
805 mm 31.69" 13 kg F

C45: 560-710 N/mm²
600 kN/m max.

60°
H=80 | R=1.5 | V=6 mm
H=3.15 | R=0.06 | V=0.24 in

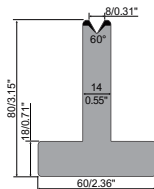


T80.08.60

835 mm 32.87" 13.0 kg
415 mm 16.34" 6.5 kg
795 mm 31.29" 12.4 kg FX
805 mm 31.69" 12.5 kg F

C45: 560-710 N/mm²
600 kN/m max.

60°
H=80 | R=0.8 | V=8 mm
H=3.15 | R=0.03 | V=0.31 in

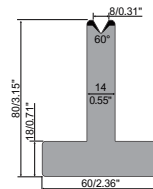


TR80.08.60

835 mm 32.87" 13 kg
415 mm 16.34" 6.5 kg
795 mm 31.29" 13 kg FX
805 mm 31.69" 13 kg F

C45: 560-710 N/mm²
600 kN/m max.

60°
H=80 | R=1.5 | V=8 mm
H=3.15 | R=0.06 | V=0.31 in

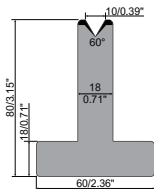


T80.10.60

835 mm 32.87" 14.9 kg
415 mm 16.34" 7.4 kg
795 mm 31.29" 14.2 kg FX
805 mm 31.69" 14.4 kg F

C45: 560-710 N/mm²
600 kN/m max.

60°
H=80 | R=0.8 | V=10 mm
H=3.15 | R=0.031 | V=0.39 in

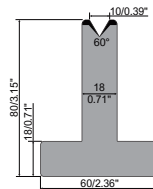


TR80.10.60

835 mm 32.87" 15 kg
415 mm 16.34" 7.5 kg
795 mm 31.29" 15 kg FX
805 mm 31.69" 15 kg F

C45: 560-710 N/mm²
600 kN/m max.

60°
H=80 | R=2.75 | V=10 mm
H=3.15 | R=0.108 | V=0.39 in

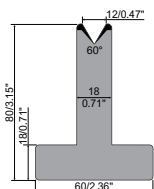


T80.12.60

835 mm 32.87" 14.9 kg
415 mm 16.34" 7.4 kg
795 mm 31.29" 14.2 kg FX
805 mm 31.69" 14.4 kg F

C45: 560-710 N/mm²
600 kN/m max.

60°
H=80 | R=0.8 | V=12 mm
H=3.15 | R=0.031 | V=0.47 in

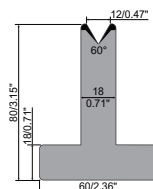


TR80.12.60

835 mm 32.87" 15 kg
415 mm 16.34" 7.5 kg
795 mm 31.29" 15 kg FX
805 mm 31.69" 15 kg F

C45: 560-710 N/mm²
1000 kN/m max.

60°
H=80 | R=2.75 | V=12 mm
H=3.15 | R=0.11 | V=0.47 in



Materiál po ohraňovaní často na sebe nesie stopy - tzv. ohybové línie, ktoré sú dôsledkom jeho samotného kontaktu so spodným nástrojom. Je to dôsledok trenia medzi plechom a malým rádiusom spodného nástroja. Aby ste sa vyhlili takýmto viditeľným oterom po ohraňovaní - môžete použiť TR spodné nástroje s väčším rádiusom (taktiež môžeme upraviť vaše spodné nástroje) s fóliou ROLFILM.



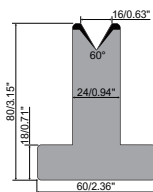
Kliknite na QR kód alebo ho zoscanujte a ihneď sa dozviete o našich TR spodných nástrojoch viac.

T80.16.60

835 mm	32.87"	16.1 kg
415 mm	16.34"	8.0 kg
795 mm	31.29"	15.3 kg FX
805 mm	31.69"	15.5 kg F

C45: 560-710 N/mm²
600 kN/m max.

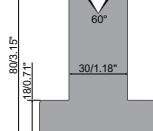
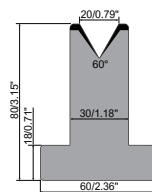
60°
H=80 | R=2.75 | V=16 mm
H=3.15 | R=0.108 | V=0.63 in

**T80.20.60**

835 mm	32.87"	18.0 kg
415 mm	16.34"	8.9 kg
795 mm	31.29"	17.1 kg FX
805 mm	31.69"	17.4 kg F

C45: 560-710 N/mm²
600 kN/m max.

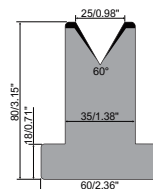
60°
H=80 | R=3 | V=20 mm
H=3.15 | R=0.118 | V=0.79 in

**T80.25.60**

835 mm	32.87"	19.5 kg
415 mm	16.34"	9.7 kg
795 mm	31.29"	18.6 kg FX
805 mm	31.69"	18.8 kg F

C45: 560-710 N/mm²
600 kN/m max.

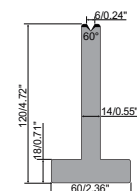
60°
H=80 | R=3 | V=25 mm
H=3.15 | R=0.118 | V=0.98 in

**T120.06.60**

835 mm	32.87"	16.0 kg
415 mm	16.34"	8.0 kg
795 mm	31.29"	15.2 kg FX
805 mm	31.69"	15.4 kg F

C45: 560-710 N/mm²
600 kN/m max.

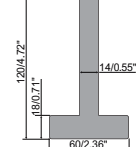
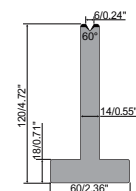
60°
H=120 | R=0.5 | V=6 mm
H=4.72 | R=0.02 | V=0.24 in

**TR120.06.60**

835 mm	32.87"	16.0 kg
415 mm	16.34"	8.0 kg
795 mm	31.29"	15.2 kg FX
805 mm	31.69"	15.4 kg F

C45: 560-710 N/mm²
600 kN/m max.

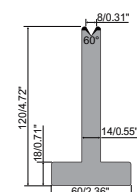
60°
H=120 | R=1.5 | V=6 mm
H=4.72 | R=0.06 | V=0.24 in

**T120.08.60**

835 mm	32.87"	16.0 kg
415 mm	16.34"	8.0 kg
795 mm	31.29"	15.2 kg FX
805 mm	31.69"	15.4 kg F

C45: 560-710 N/mm²
600 kN/m max.

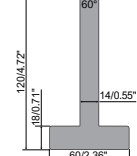
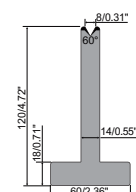
60°
H=120 | R=0.8 | V=8 mm
H=4.72 | R=0.031 | V=0.31 in

**TR120.08.60**

835 mm	32.87"	16.0 kg
415 mm	16.34"	8.0 kg
795 mm	31.29"	15.2 kg FX
805 mm	31.69"	15.4 kg F

C45: 560-710 N/mm²
600 kN/m max.

60°
H=120 | R=1.5 | V=8 mm
H=4.72 | R=0.06 | V=0.31 in



Materiál po ohraňovaní často na sebe nesie stopy - tzv. ohybové línie, ktoré sú dôsledkom jeho samotného kontaktu so spodným nástrojom. Je to dôsledok trenia medzi plechom a malým rádiusom spodného nástroja. Aby ste sa vyhli takýmto viditeľným oterom po ohraňovaní - môžete použiť TR spodné nástroje s väčším rádiusom (taktiež môžeme upraviť vaše spodné nástroje) s fóliou **ROLFILM**.



Kliknite na QR kód alebo ho zoscanujte a ihneď sa dozviete o našich TR spodných nástrojoch viac.

T120.10.60

835 mm 32.87" 18.0 kg
 415 mm 16.34" 8.9 kg
 795 mm 31.29" 17.1 kg FX
 805 mm 31.69" 17.4 kg F

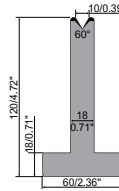
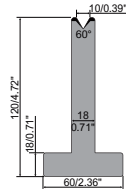


TR120.10.60

835 mm 32.87" 18.0 kg
 415 mm 16.34" 8.9 kg
 795 mm 31.29" 17.1 kg FX
 805 mm 31.69" 17.4 kg F



C45: 560-710 N/mm²
 600 kN/m max.
 60°
 H=120 | R=0.8 | V=10 mm
 H=4.72 | R=0.031 | V=0.39 in



C45: 560-710 N/mm²
 600 kN/m max.
 60°
 H=120 | R=2.75 | V=10 mm
 H=4.72 | R=0.108 | V=0.39 in

T120.12.60

835 mm 32.87" 18.0 kg
 415 mm 16.34" 8.9 kg
 795 mm 31.29" 17.1 kg FX
 805 mm 31.69" 17.4 kg F

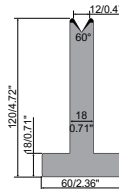
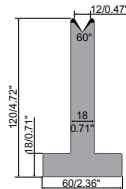


TR120.12.60

835 mm 32.87" 18.0 kg
 415 mm 16.34" 8.9 kg
 795 mm 31.29" 17.1 kg FX
 805 mm 31.69" 17.4 kg F



C45: 560-710 N/mm²
 600 kN/m max.
 60°
 H=120 | R=0.8 | V=12 mm
 H=4.72 | R=0.03 | V=0.47 in



C45: 560-710 N/mm²
 600 kN/m max.
 60°
 H=120 | R=2.75 | V=12 mm
 H=4.72 | R=0.108 | V=0.47 in

T120.16.60

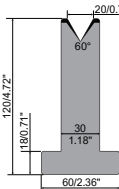
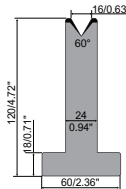
835 mm 32.87" 22.4 kg
 415 mm 16.34" 11.1 kg
 795 mm 31.29" 21.3 kg FX
 805 mm 31.69" 21.6 kg F



T120.20.60

835 mm 32.87" 26.0 kg
 415 mm 16.34" 12.9 kg
 795 mm 31.29" 24.8 kg FX
 805 mm 31.69" 25.1 kg F

C45: 560-710 N/mm²
 600 kN/m max.
 60°
 H=120 | R=2.75 | V=16 mm
 H=4.72 | R=0.108 | V=0.63 in



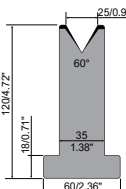
C45: 560-710 N/mm²
 600 kN/m max.
 60°
 H=120 | R=3 | V=20 mm
 H=4.72 | R=0.118 | V=0.79 in

T120.25.60

835 mm 32.87" 28.5 kg
 415 mm 16.34" 14.2 kg
 795 mm 31.29" 27.1 kg FX
 805 mm 31.69" 27.5 kg F



C45: 560-710 N/mm²
 600 kN/m max.
 60°
 H=120 | R=3 | V=25 mm
 H=4.72 | R=0.118 | V=0.98 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94



T80.06.45

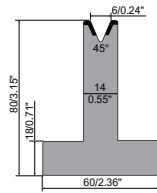
835 mm	32.87"	12.6 kg	
415 mm	16.34"	6.3 kg	
795 mm	31.29"	12.0 kg	FX
805 mm	31.69"	12.1 kg	F

45° >



C45: 560-710 N/mm²
500 kN/m max.

45°
H=80 | R=0.8 | V=6 mm
H=3.15 | R=0.03 | V=0.24 in



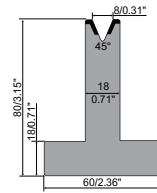
T80.08.45

835 mm	32.87"	14.2 kg	
415 mm	16.34"	7.1 kg	
795 mm	31.29"	13.5 kg	FX
805 mm	31.69"	13.7 kg	F



C45: 560-710 N/mm²
500 kN/m max.

45°
H=80 | R=1.0 | V=8 mm
H=3.15 | R=0.04 | V=0.31 in



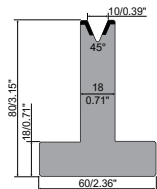
T80.10.45

835 mm	32.87"	14.0 kg	
415 mm	16.34"	7.0 kg	
795 mm	31.29"	13.3 kg	FX
805 mm	31.69"	13.5 kg	F



C45: 560-710 N/mm²
500 kN/m max.

45°
H=80 | R=1.2 | V=8 mm
H=3.15 | R=0.04 | V=0.31 in



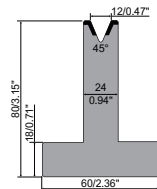
T80.12.45

835 mm	32.87"	16.2 kg	
415 mm	16.34"	8.1 kg	
795 mm	31.29"	15.4 kg	FX
805 mm	31.69"	15.6 kg	F



C45: 560-710 N/mm²
500 kN/m max.

45°
H=80 | R=1.6 | V=12 mm
H=3.15 | R=0.06 | V=0.47 in



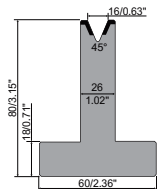
T80.16.45

835 mm	32.87"	16.6 kg	
415 mm	16.34"	8.3 kg	
795 mm	31.29"	15.8 kg	FX
805 mm	31.69"	16.0 kg	F



C45: 560-710 N/mm²
500 kN/m max.

45°
H=80 | R=2.75 | V=16 mm
H=3.15 | R=0.11 | V=0.63 in



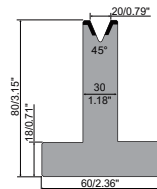
T80.20.45

835 mm	32.87"	18.0 kg	
415 mm	16.34"	8.9 kg	
795 mm	31.29"	17.1 kg	FX
805 mm	31.69"	17.4 kg	F



C45: 560-710 N/mm²
500 kN/m max.

45°
H=80 | R=3 | V=20 mm
H=3.15 | R=0.12 | V=0.79 in



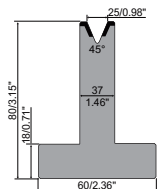
T80.25.45

835 mm	32.87"	20.0 kg	
415 mm	16.34"	9.9 kg	
795 mm	31.29"	19.0 kg	FX
805 mm	31.69"	19.3 kg	F



C45: 560-710 N/mm²
500 kN/m max.

45°
H=80 | R=3 | V=25 mm
H=3.15 | R=0.12 | V=0.98 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94



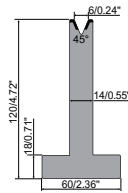


T120.06.45

835 mm 32.87" 16.0 kg
 415 mm 16.34" 8.0 kg
 795 mm 31.29" 15.2 kg FX
 805 mm 31.69" 15.4 kg F



C45: 560-710 N/mm²
 500 kN/m max.

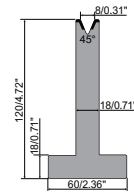


T120.08.45

835 mm 32.87" 18.0 kg
 415 mm 16.34" 8.9 kg
 795 mm 31.29" 17.1 kg FX
 805 mm 31.69" 17.4 kg F



C45: 560-710 N/mm²
 500 kN/m max.



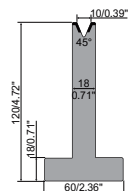
45°
 H=120 | R=0.8 | V=6 mm
 H=4.72 | R=0.03 | V=0.24 in

T120.10.45

835 mm 32.87" 18.0 kg
 415 mm 16.34" 8.9 kg
 795 mm 31.29" 17.1 kg FX
 805 mm 31.69" 17.4 kg F



C45: 560-710 N/mm²
 500 kN/m max.

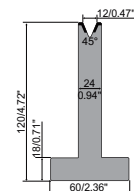


T120.12.45

835 mm 32.87" 22.9 kg
 415 mm 16.34" 11.4 kg
 795 mm 31.29" 21.8 kg FX
 805 mm 31.69" 22.1 kg F



C45: 560-710 N/mm²
 500 kN/m max.



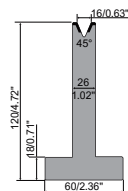
45°
 H=120 | R=1.2 | V=10 mm
 H=4.72 | R=0.05 | V=0.39 in

T120.16.45

835 mm 32.87" 25.0 kg
 415 mm 16.34" 12.4 kg
 795 mm 31.29" 23.8 kg FX
 805 mm 31.69" 24.1 kg F



C45: 560-710 N/mm²
 500 kN/m max.

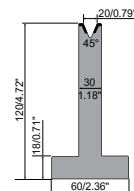


T120.20.45

835 mm 32.87" 26.0 kg
 415 mm 16.34" 12.9 kg
 795 mm 31.29" 24.8 kg FX
 805 mm 31.69" 25.1 kg F



C45: 560-710 N/mm²
 500 kN/m max.



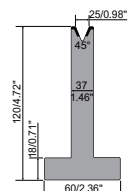
45°
 H=120 | R=3 | V=20 mm
 H=4.72 | R=0.12 | V=0.79 in

T120.25.45

835 mm 32.87" 30.0 kg
 415 mm 16.34" 14.9 kg
 795 mm 31.29" 28.6 kg FX
 805 mm 31.69" 28.9 kg F



C45: 560-710 N/mm²
 500 kN/m max.



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94



T80.06.35

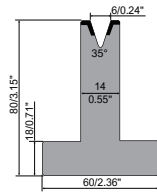
835 mm 32.87" 12.5 kg
 415 mm 16.34" 6.2 kg
 795 mm 31.29" 11.9 kg FX
 805 mm 31.69" 12.1 kg F

35° >



C45: 560-710 N/mm²
 350 kN/m max.

35°
 H=80 | R=0.8 | V=6 mm
 H=3.15 | R=0.03 | V=0.24 in



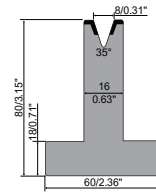
T80.08.35

835 mm 32.87" 13.0 kg
 415 mm 16.34" 6.5 kg
 795 mm 31.29" 12.4 kg FX
 805 mm 31.69" 12.5 kg F



C45: 560-710 N/mm²
 350 kN/m max.

35°
 H=80 | R=1 | V=8 mm
 H=3.15 | R=0.04 | V=0.31 in



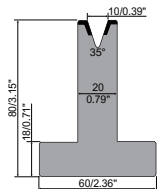
T80.10.35

835 mm 32.87" 14.7 kg
 415 mm 16.34" 7.3 kg
 795 mm 31.29" 14.0 kg FX
 805 mm 31.69" 14.2 kg F



C45: 560-710 N/mm²
 400 kN/m max.

35°
 H=80 | R=1.2 | V=10 mm
 H=3.15 | R=0.05 | V=0.39 in



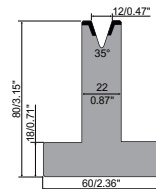
T80.12.35

835 mm 32.87" 15.5 kg
 415 mm 16.34" 7.7 kg
 795 mm 31.29" 14.8 kg FX
 805 mm 31.69" 14.9 kg F



C45: 560-710 N/mm²
 400 kN/m max.

35°
 H=80 | R=1.6 | V=12 mm
 H=3.15 | R=0.06 | V=0.47 in



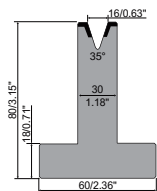
T80.16.35

835 mm 32.87" 18.0 kg
 415 mm 16.34" 8.9 kg
 795 mm 31.29" 17.1 kg FX
 805 mm 31.69" 17.4 kg F



C45: 560-710 N/mm²
 450 kN/m max.

35°
 H=80 | R=3 | V=16 mm
 H=3.15 | R=0.12 | V=0.63 in



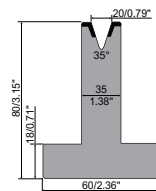
T80.20.35

835 mm 32.87" 19.3 kg
 415 mm 16.34" 9.6 kg
 795 mm 31.29" 18.4 kg FX
 805 mm 31.69" 18.6 kg F



C45: 560-710 N/mm²
 500 kN/m max.

35°
 H=80 | R=3 | V=20 mm
 H=3.15 | R=0.12 | V=0.79 in



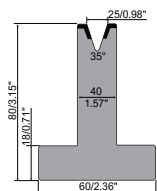
T80.25.35

835 mm 32.87" 20.0 kg
 415 mm 16.34" 9.0 kg
 795 mm 31.29" 19.0 kg FX
 805 mm 31.69" 19.3 kg F



C45: 560-710 N/mm²
 500 kN/m max.

35°
 H=80 | R=3 | V=25 mm
 H=3.15 | R=0.12 | V=0.98 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94



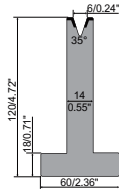


T120.06.35

835 mm 32.87" 16.0 kg
 415 mm 16.34" 8.0 kg
 795 mm 31.29" 15.2 kg FX
 805 mm 31.69" 15.4 kg F

C45: 560-710 N/mm²
 350 kN/m max.

35°
 H=120 | R=0.8 | V=6 mm
 H=4.72 | R=0.03 | V=0.24 in

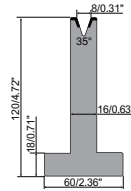


T120.08.35

835 mm 32.87" 18.0 kg
 415 mm 16.34" 8.9 kg
 795 mm 31.29" 17.1 kg FX
 805 mm 31.69" 17.4 kg F

C45: 560-710 N/mm²
 350 kN/m max.

35°
 H=120 | R=1.0 | V=8 mm
 H=4.72 | R=0.04 | V=0.31 in

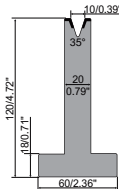


T120.10.35

835 mm 32.87" 19.9 kg
 415 mm 16.34" 9.9 kg
 795 mm 31.29" 18.9 kg FX
 805 mm 31.69" 19.2 kg F

C45: 560-710 N/mm²
 400 kN/m max.

35°
 H=120 | R=1.2 | V=10 mm
 H=4.72 | R=0.05 | V=0.39 in

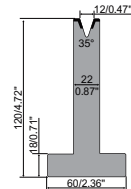


T120.12.35

835 mm 32.87" 21.0 kg
 415 mm 16.34" 10.4 kg
 795 mm 31.29" 20.0 kg FX
 805 mm 31.69" 20.2 kg F

C45: 560-710 N/mm²
 400 kN/m max.

35°
 H=120 | R=1.6 | V=12 mm
 H=4.72 | R=0.06 | V=0.47 in

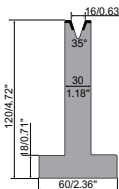


T120.16.35

835 mm 32.87" 25.8 kg
 415 mm 16.34" 12.8 kg
 795 mm 31.29" 24.6 kg FX
 805 mm 31.69" 24.9 kg F

C45: 560-710 N/mm²
 450 kN/m max.

35°
 H=120 | R=3 | V=16 mm
 H=4.72 | R=0.12 | V=0.63 in

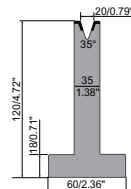


T120.20.35

835 mm 32.87" 28.0 kg
 415 mm 16.34" 13.9 kg
 795 mm 31.29" 26.7 kg FX
 805 mm 31.69" 27.0 kg F

C45: 560-710 N/mm²
 500 kN/m max.

35°
 H=120 | R=3 | V=20 mm
 H=4.72 | R=0.12 | V=0.79 in

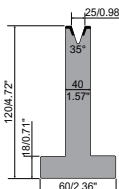


T120.25.35

835 mm 32.87" 30.5 kg
 415 mm 16.34" 15.2 kg
 795 mm 31.29" 29.0 kg FX
 805 mm 31.69" 29.4 kg F

C45: 560-710 N/mm²
 500 kN/m max.

35°
 H=120 | R=3 | V=25 mm
 H=4.72 | R=0.12 | V=0.98 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94



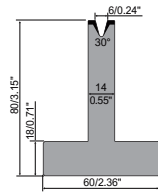
T80.06.30

835 mm 32.87" 12.4 kg
 415 mm 16.34" 6.2 kg
 795 mm 31.29" 11.8 kg FX
 805 mm 31.69" 12.0 kg F

30° >



C45: 560-710 N/mm²
 350 kN/m max.
 30°
 H=80 | R=0.6 | V=6 mm
 H=3.15 | R=0.024 | V=0.24 in

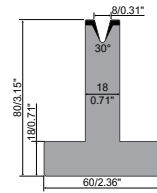


T80.08.30

835 mm 32.87" 13.0 kg
 415 mm 16.34" 6.5 kg
 795 mm 31.29" 12.4 kg FX
 805 mm 31.69" 12.5 kg F



C45: 560-710 N/mm²
 350 kN/m max.
 30°
 H=80 | R=0.8 | V=8 mm
 H=3.15 | R=0.031 | V=0.31 in

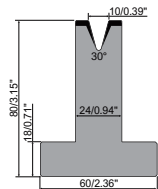


T80.10.30

835 mm 32.87" 16.0 kg
 415 mm 16.34" 8.0 kg
 795 mm 31.29" 15.2 kg FX
 805 mm 31.69" 15.4 kg F



C45: 560-710 N/mm²
 500 kN/m max.
 30°
 H=80 | R=1 | V=10 mm
 H=3.15 | R=0.039 | V=0.39 in

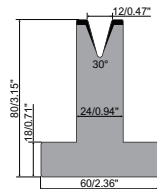


T80.12.30

835 mm 32.87" 16.0 kg
 415 mm 16.34" 8.0 kg
 795 mm 31.29" 15.2 kg FX
 805 mm 31.69" 15.4 kg F



C45: 560-710 N/mm²
 400 kN/m max.
 30°
 H=80 | R=1.5 | V=12 mm
 H=3.15 | R=0.059 | V=0.47 in

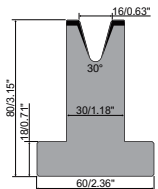


T80.16.30

835 mm 32.87" 18.0 kg
 415 mm 16.34" 8.9 kg
 795 mm 31.29" 17.1 kg FX
 805 mm 31.69" 17.4 kg F



C45: 560-710 N/mm²
 450 kN/m max.
 30°
 H=80 | R=2 | V=16 mm
 H=3.15 | R=0.079 | V=0.63 in

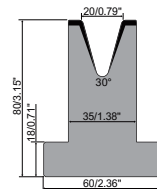


T80.20.30

835 mm 32.87" 19.0 kg
 415 mm 16.34" 9.4 kg
 795 mm 31.29" 18.1 kg FX
 805 mm 31.69" 18.3 kg F



C45: 560-710 N/mm²
 500 kN/m max.
 30°
 H=80 | R=2.5 | V=20 mm
 H=3.15 | R=0.098 | V=0.79 in

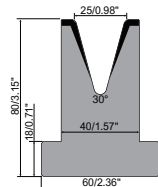


T80.25.30

835 mm 32.87" 19.6 kg
 415 mm 16.34" 9.7 kg
 795 mm 31.29" 18.7 kg FX
 805 mm 31.69" 18.9 kg F



C45: 560-710 N/mm²
 500 kN/m max.
 30°
 H=80 | R=3 | V=25 mm
 H=3.15 | R=0.12 | V=0.98 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94

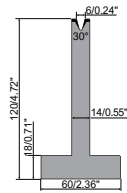


T120.06.30

835 mm 32.87" 16.0 kg
 415 mm 16.34" 8.0 kg
 795 mm 31.29" 15.2 kg FX
 805 mm 31.69" 15.4 kg F

C45: 560-710 N/mm²
 350 kN/m max.

30°
 H=120 | R=0.6 | V=6 mm
 H=4.72 | R=0.024 | V=0.24 in

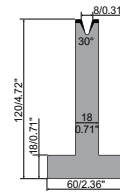


T120.08.30

835 mm 32.87" 19.0 kg
 415 mm 16.34" 9.4 kg
 795 mm 31.29" 18.1 kg FX
 805 mm 31.69" 18.3 kg F

C45: 560-710 N/mm²
 350 kN/m max.

30°
 H=120 | R=0.8 | V=8 mm
 H=4.72 | R=0.031 | V=0.31 in

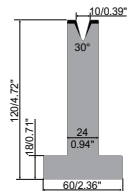


T120.10.30

835 mm 32.87" 22.0 kg
 415 mm 16.34" 10.9 kg
 795 mm 31.29" 20.9 kg FX
 805 mm 31.69" 21.2 kg F

C45: 560-710 N/mm²
 500 kN/m max.

30°
 H=120 | R=1 | V=10 mm
 H=4.72 | R=0.039 | V=0.39 in

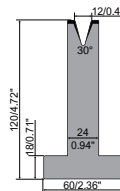


T120.12.30

835 mm 32.87" 22.0 kg
 415 mm 16.34" 10.9 kg
 795 mm 31.29" 20.9 kg FX
 805 mm 31.69" 21.2 kg F

C45: 560-710 N/mm²
 400 kN/m max.

30°
 H=120 | R=1.5 | V=12 mm
 H=4.72 | R=0.024 | V=0.47 in

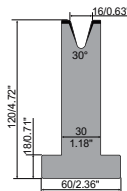


T120.16.30

835 mm 32.87" 25.8 kg
 415 mm 16.34" 12.8 kg
 795 mm 31.29" 24.6 kg FX
 805 mm 31.69" 24.9 kg F

C45: 560-710 N/mm²
 450 kN/m max.

30°
 H=120 | R=2 | V=16 mm
 H=4.72 | R=0.079 | V=0.63 in

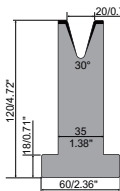


T120.20.30

835 mm 32.87" 28.0 kg
 415 mm 16.34" 13.9 kg
 795 mm 31.29" 26.7 kg FX
 805 mm 31.69" 27.0 kg F

C45: 560-710 N/mm²
 500 kN/m max.

30°
 H=120 | R=2.5 | V=20 mm
 H=4.72 | R=0.098 | V=0.79 in

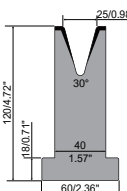


T120.25.30

835 mm 32.87" 30.5 kg
 415 mm 16.34" 15.2 kg
 795 mm 31.29" 29.0 kg FX
 805 mm 31.69" 29.4 kg F

C45: 560-710 N/mm²
 500 kN/m max.

30°
 H=120 | R=3 | V=25 mm
 H=4.72 | R=0.118 | V=0.98 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94



T80.06.26

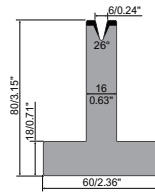
835 mm	32.87"	14.0 kg	
415 mm	16.34"	7.0 kg	
795 mm	31.29"	13.3 kg	FX
805 mm	31.69"	13.5 kg	F

26° >



C45: 560-710 N/mm²
200 kN/m max.

26°
H=80 | R=0.8 | V=6 mm
H=3.15 | R=0.031 | V=0.24 in



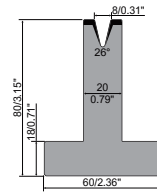
T80.08.26

835 mm	32.87"	15.0 kg	
415 mm	16.34"	7.5 kg	
795 mm	31.29"	14.3 kg	FX
805 mm	31.69"	14.5 kg	F



C45: 560-710 N/mm²
200 kN/m max.

26°
H=80 | R=1 | V=8 mm
H=3.15 | R=0.039 | V=0.31 in



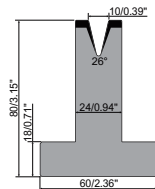
T80.10.26

835 mm	32.87"	15.5 kg	
415 mm	16.34"	7.7 kg	
795 mm	31.29"	14.8 kg	FX
805 mm	31.69"	14.9 kg	F



C45: 560-710 N/mm²
200 kN/m max.

26°
H=80 | R=1.2 | V=10 mm
H=3.15 | R=0.047 | V=0.39 in



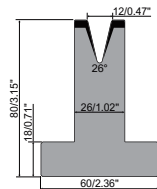
T80.12.26

835 mm	32.87"	16.6 kg	
415 mm	16.34"	8.3 kg	
795 mm	31.29"	15.8 kg	FX
805 mm	31.69"	16.0 kg	F



C45: 560-710 N/mm²
200 kN/m max.

26°
H=80 | R=1.6 | V=12 mm
H=3.15 | R=0.063 | V=0.47 in



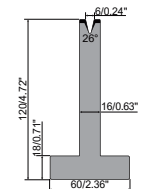
T120.06.26

835 mm	32.87"	18.0 kg	
415 mm	16.34"	8.9 kg	
795 mm	31.29"	17.1 kg	FX
805 mm	31.69"	17.4 kg	F



C45: 560-710 N/mm²
200 kN/m max.

26°
H=120 | R=0.8 | V=6 mm
H=4.72 | R=0.031 | V=0.24 in



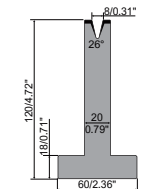
T120.08.26

835 mm	32.87"	19.0 kg	
415 mm	16.34"	9.4 kg	
795 mm	31.29"	18.1 kg	FX
805 mm	31.69"	18.3 kg	F



C45: 560-710 N/mm²
200 kN/m max.

26°
H=120 | R=1 | V=8 mm
H=4.72 | R=0.039 | V=0.31 in



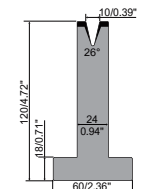
T120.10.26

835 mm	32.87"	22.0 kg	
415 mm	16.34"	10.9 kg	
795 mm	31.29"	20.9 kg	FX
805 mm	31.69"	21.2 kg	F



C45: 560-710 N/mm²
200 kN/m max.

26°
H=120 | R=1.2 | V=10 mm
H=4.72 | R=0.047 | V=0.39 in



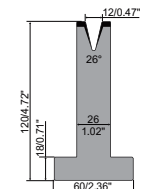
T120.12.26

835 mm	32.87"	23.4 kg	
415 mm	16.34"	11.6 kg	
795 mm	31.29"	22.3 kg	FX
805 mm	31.69"	22.6 kg	F



C45: 560-710 N/mm²
200 kN/m max.

26°
H=120 | R=1.6 | V=12 mm
H=4.72 | R=0.063 | V=0.47 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94



M60.85.32

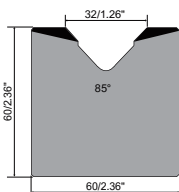
835 mm	32.87"	21.6 kg
415 mm	16.34"	10.7 kg
795 mm	31.29"	20.6 kg FX
805 mm	31.69"	20.8 kg F

85° >



C45: 560-710 N/mm²
1000 kN/m max.

85°
H=60 | R=4 | V=32 mm
H=2.36 | R=0.157 | V=1.26 in



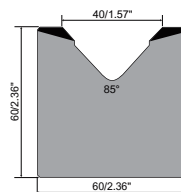
M60.85.40



835 mm	32.87"	20 kg
415 mm	16.34"	10.5 kg
795 mm	31.29"	19.0 kg FX
805 mm	31.69"	19.0 kg F

C45: 560-710 N/mm²
1000 kN/m max.

85°
H=60 | R=4 | V=40 mm
H=2.36 | R=0.157 | V=1.57 in



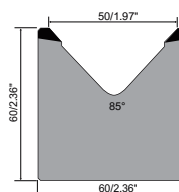
M60.85.50

835 mm	32.87"	19.0 kg
415 mm	16.34"	9.5.0 kg
795 mm	31.29"	19.0 kg FX
805 mm	31.69"	19.0 kg F



C45: 560-710 N/mm²
1000 kN/m max.

85°
H=60 | R=4 | V=50 mm
H=2.36 | R=0.157 | V=1.97 in



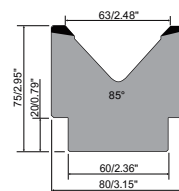
M75.85.63

835 mm	32.87"	29.2 kg
415 mm	16.34"	14.5 kg
795 mm	31.29"	28.0 kg FX
805 mm	31.69"	28.0 kg F



C45: 560-710 N/mm²
1000 kN/m max.

85°
H=60 | R=5 | V=63 mm
H=2.36 | R=0.197 | V=2.48 in



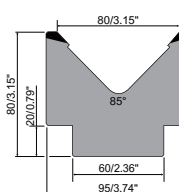
M80.85.80

835 mm	32.87"	33.5 kg
415 mm	16.34"	16.6 kg
795 mm	31.29"	32.2 kg FX
805 mm	31.69"	32.2 kg F



C45: 560-710 N/mm²
1000 kN/m max.

85°
H=60 | R=6 | V=80 mm
H=2.36 | R=0.236 | V=3.15 in



M95.80.100

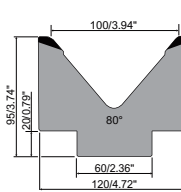


80° >

835 mm	32.87"	46.2 kg
415 mm	16.34"	22.9 kg
795 mm	31.29"	44.5 kg FX
805 mm	31.69"	44.5 kg F

C45: 560-710 N/mm²
1000 kN/m max.

80°
H=60 | R=8 | V=100 mm
H=2.36 | R=0.315 | V=3.94 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94



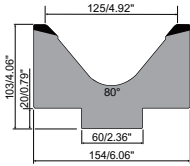
MK103.80.125

835 mm 32.87" 62 kg
 415 mm 16.34" 31 kg
 795 mm 31.29" 59.8 kg FX
 805 mm 31.69" 59.8 kg F



C45: 560-710 N/mm²
 700 kN/m max.

85°
 H=103 | R=15 | V=125 mm
 H=4.06 | R=0.591 | V=4.92 in



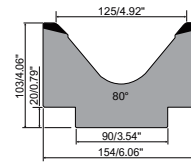
M103.80.125

835 mm 32.87" 64.9 kg
 415 mm 16.34" 32.2 kg
 795 mm 31.29" 62.5 kg FX
 805 mm 31.69" 62.5 kg F



C45: 560-710 N/mm²
 1000 kN/m max.

85°
 H=103 | R=15 | V=125 mm
 H=4.06 | R=0.591 | V=4.92 in



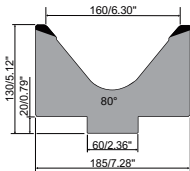
MK130.80.160

835 mm 32.87" 93 kg
 415 mm 16.34" 46.5 kg
 795 mm 31.29" 88.5 kg FX
 805 mm 31.69" 89.7 kg F



C45: 560-710 N/mm²
 700 kN/m max.

80°
 H=130 | R=10 | V=160 mm
 H=5.12 | R=0.394 | V=6.30 in



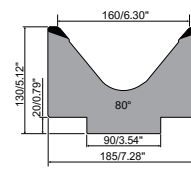
M130.80.160

835 mm 32.87" 97 kg
 415 mm 16.34" 47.4 kg
 795 mm 31.29" 88.5 kg FX
 805 mm 31.69" 89.7 kg F



C45: 560-710 N/mm²
 1000 kN/m max.

80°
 H=130 | R=10 | V=160 mm
 H=5.12 | R=0.394 | V=6.30 in



M195.70.200

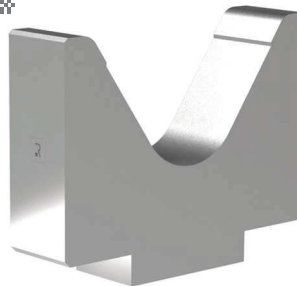
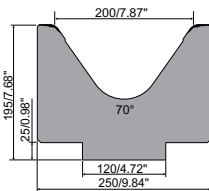
415 mm 16.34" 104 kg



42Cr: 900-1150 N/mm²
 1800 kN/m max.

70°
 H=195 | R=15 | V=200 mm
 H=7.68 | R=0.591 | V=7.87 in

70° >



M86.60.63

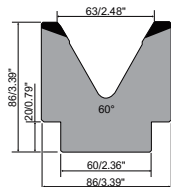
835 mm 32.87" 33.3 kg
 415 mm 16.34" 17 kg
 795 mm 31.29" 34.0 kg FX
 805 mm 31.69" 34.0 kg F



C45: 560-710 N/mm²
 1000 kN/m max.

60°
 H=85 | R=5 | V=63 mm
 H=3.39 | R=0.197 | V=2.48 in

60° >



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94



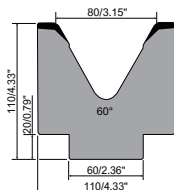
M110.60.80



835 mm 32.87" 53 kg
 415 mm 16.34" 26.5 kg
 795 mm 31.29" 50.5 kg FX
 805 mm 31.69" 51.1 kg F

C45: 560-710 N/mm²
 1000 kN/m max.

60°
 H=110 | R=6 | V=80 mm
 H=4.33 | R=0.236 | V=3.15 in



M80.45.32

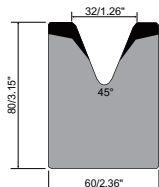
45° >



835 mm 32.87" 27.5 kg
 415 mm 16.34" 13.7 kg
 795 mm 31.29" 27.5 kg FX
 805 mm 31.69" 27.5 kg F

C45: 560-710 N/mm²
 1000 kN/m max.

45°
 H=80 | R=4 | V=32 mm
 H=3.15 | R=0.157 | V=1.26 in



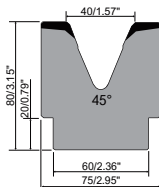
M80.45.40



835 mm 32.87" 30.9 kg
 415 mm 16.34" 16.5 kg
 795 mm 31.29" 30.7 kg FX
 805 mm 31.69" 30.7 kg F

C45: 560-710 N/mm²
 1000 kN/m max.

45°
 H=80 | R=4 | V=40 mm
 H=3.15 | R=0.157 | V=1.57 in



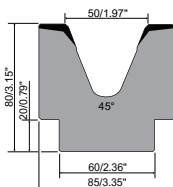
M80.45.50



835 mm 32.87" 31 kg
 415 mm 16.34" 15.5 kg
 795 mm 31.29" 31 kg FX
 805 mm 31.69" 31 kg F

C45: 560-710 N/mm²
 950 kN/m max.

45°
 H=80 | R=4 | V=50 mm
 H=3.15 | R=0.157 | V=1.97 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94



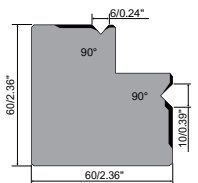
M60.90.01

835 mm	32.87"	20 kg
415 mm	16.34"	10.0 kg
795 mm	31.29"	20 kg FX
805 mm	31.69"	20 kg F



C45: 560-710 N/mm²
950 kN/m max.

90°
R=0.4 | V=6 mm
R=0.6 | V=10 mm
R=0.016 | V=0.24 in
R=0.024 | V=0.39 in



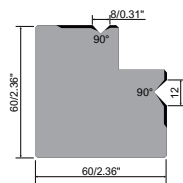
M60.90.02

835 mm	32.87"	20 kg
415 mm	16.34"	10.0 kg
795 mm	31.29"	20 kg FX
805 mm	31.69"	20 kg F



C45: 560-710 N/mm²
1000 kN/m max.

90°
R=0.5 | V=8 mm
R=0.8 | V=12 mm
R=0.020 | V=0.31 in
R=0.031 | V=0.47 in



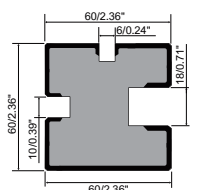
M.360.R

835 mm	32.87"	20 kg
415 mm	16.34"	10.0 kg
795 mm	31.29"	20 kg FX
805 mm	31.69"	20 kg F



C45: 560-710 N/mm²
1000 kN/m max.

R=1.5 | V=6 mm R=0.059 | V=0.24 in
R=2 | V=10 mm R=0.079 | V=0.39 in
R=2 | V=18 mm R=0.118 | V=0.71 in



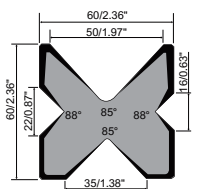
M.460

835 mm	32.87"	15.7 kg
415 mm	16.34"	7.7 kg
795 mm	31.29"	15.5 kg FX
805 mm	31.69"	15.5 kg F



C45: 560-710 N/mm²
800 kN/m max.

85° R=2 | V=35 mm R=0.079 | V=1.38 in
85° R=3 | V=50 mm R=0.118 | V=1.97 in
88° R=2 | V=16 mm R=0.079 | V=0.63 in
88° R=3 | V=60 mm R=0.079 | V=2.36 in



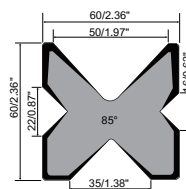
M.460.R

835 mm	32.87"	15.7 kg
415 mm	16.34"	7.7 kg
795 mm	31.29"	15.1 kg FX
805 mm	31.69"	15.1 kg F



C45: 560-710 N/mm²
800 kN/m max.

85°
R=2 | V=16 mm R=0.079 | V=0.63 in
R=2 | V=35 mm R=0.079 | V=1.38 in
R=2 | V=60 mm R=0.079 | V=2.36 in
R=3 | V=50 mm R=0.118 | V=1.97 in



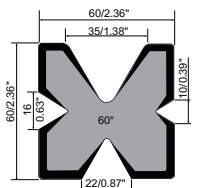
M.460.60

835 mm	32.87"	18.0 kg
415 mm	16.34"	9.0 kg
795 mm	31.29"	16 kg FX
805 mm	31.69"	16 kg F



C45: 560-710 N/mm²
600 kN/m max.

60°
R=1.5 | V=10 mm R=0.059 | V=0.39 in
R=2.0 | V=16 mm R=0.079 | V=0.63 in
R=2.5 | V=22 mm R=0.098 | V=0.87 in
R=3.0 | V=35 mm R=0.118 | V=1.38 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94



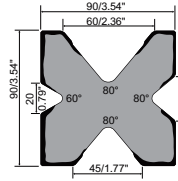
M.490

835 mm 32.87" 38.9 kg
 415 mm 16.34" 20 kg
 795 mm 31.29" 39.0 kg FX
 805 mm 31.69" 39.0 kg F



C45: 560-710 N/mm²
 1000 kN/m max.

60° R=2 | V=20 mm R=0.079 | V=0.79 in
 80° R=4 | V=30 mm R=0.157 | V=1.18 in
 80° R=4 | V=45 mm R=0.157 | V=1.77 in
 80° R=5 | V=60 mm R=0.020 | V=2.36 in

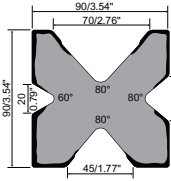


M.490.70

835 mm 32.87" 35.8 kg
 415 mm 16.34" 17.9 kg
 795 mm 31.29" 36 kg FX
 805 mm 31.69" 36 kg F

C45: 560-710 N/mm²
 600 kN/m max.

60° R=2 | V=20 mm R=0.079 | V=0.79 in
 80° R=4 | V=30 mm R=0.157 | V=1.18 in
 80° R=4 | V=45 mm R=0.157 | V=1.77 in
 80° R=5 | V=70 mm R=0.020 | V=2.76 in



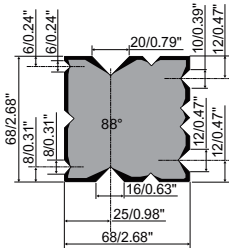
T70-88

525 mm 20.67" 17.5 kg
 495 mm 19.49" 16.5 kg



42Cr: 900-1150 N/mm²
 1000 kN/m max.

88°
 R=0.4 | V=6 mm R=0.016 | V=0.24 in
 R=0.5 | V=8 mm R=0.020 | V=0.31 in
 R=0.8 | V=10 mm R=0.031 | V=0.39 in
 R=2.75 | V=12 mm R=0.108 | V=0.47 in
 R=2.75 | V=16 mm R=0.108 | V=0.63 in
 R=3.0 | V=20 mm R=0.118 | V=0.79 in



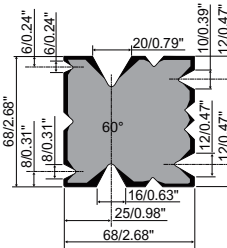
T70-60

525 mm 20.67" 16.8 kg
 495 mm 19.49" 15.8 kg



42Cr: 900-1150 N/mm²

60° kN/m max.
 R=0.8 | V=10 mm R=0.031 | V=0.39 in 600
 R=0.8 | V=12 mm R=0.031 | V=0.47 in 600
 R=2.75 | V=16 mm R=0.108 | V=0.63 in 800
 R=0.8 | V=8 mm R=0.031 | V=0.31 in 600
 R=0.5 | V=6 mm R=0.020 | V=0.24 in 600
 R=3.0 | V=20 mm R=0.118 | V=0.79 in 800



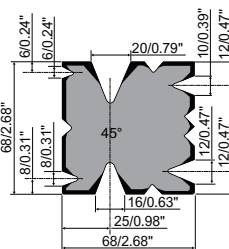
T70-45

525 mm 20.67" 16.1 kg
 495 mm 19.49" 15.2 kg



42Cr: 900-1150 N/mm²

45° kN/m max.
 R=0.8 | V=6 mm R=0.031 | V=0.24 in 400
 R=1.0 | V=8 mm R=0.039 | V=0.31 in 400
 R=1.2 | V=10 mm R=0.047 | V=0.39 in 500
 R=1.6 | V=12 mm R=0.063 | V=0.47 in 500
 R=2.75 | V=16 mm R=0.108 | V=0.63 in 700
 R=3.0 | V=20 mm R=0.118 | V=0.79 in 700



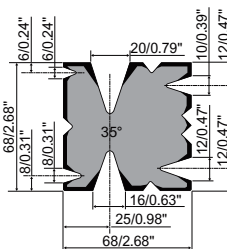
T70-35

525 mm 20.67" 15.3 kg
 495 mm 19.49" 14.4 kg



42Cr: 900-1150 N/mm²

35° kN/m max.
 R=0.8 | V=6 mm R=0.031 | V=0.24 in 300
 R=1.0 | V=8 mm R=0.039 | V=0.31 in 350
 R=1.2 | V=10 mm R=0.047 | V=0.39 in 450
 R=1.6 | V=12 mm R=0.063 | V=0.47 in 450
 R=3.0 | V=16 mm R=0.118 | V=0.63 in 500
 R=3.0 | V=20 mm R=0.118 | V=0.79 in 500

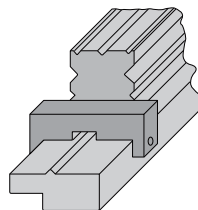
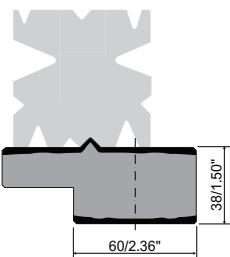


SU-T70

525 mm 20.67" 12.4 kg



C45: 560-710 N/mm²

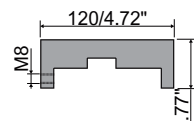


PB-T70

525 mm 20.67" 12.4 kg

Fe37

Upínanie



Zoscanujte alebo kliknite na QR kód, pozrite si video a dozviete sa o nástrojoch T70 viac.



Zaregistrujte sa na www.rolleri.sk.

Rolleri stránku môžete využívať na kontrolu dodacích termínov, prehľad skladových zásob a zároveň budete informovaný o našich novinkách. Sami si overíte ceny a priamo môžete zadávať objednávky.



Lemovacie nástroje sa používajú na tzv. predohyb a následné sploštenie materiálu - tzv. falcovanie/lemovanie pomocou použitia rovnakého setu nástrojov.

Vďaka tomu môžete spevniť hrany ohýbaného profilu. Z tohto dôvodu je tento krok používaný najmä z bezpečnostných dôvodov, aby sa zabránilo náhodnému zraneniu operátora, ktorý manipuluje s materiálom.

Maximálna odporúčaná hrúbka materiálu je zvyčajne 3 mm pre čierny materiál a 2 mm pre nerezovú oceľ. Avšak aj pre hrubší materiál je možné navrhnúť špeciálne riešenie, zohľadňujúc maximálnu povolenú tonáž pre realizáciu lemovania.

Existujú 2 typy sploštenia: čiastočné a úplné sploštenie.

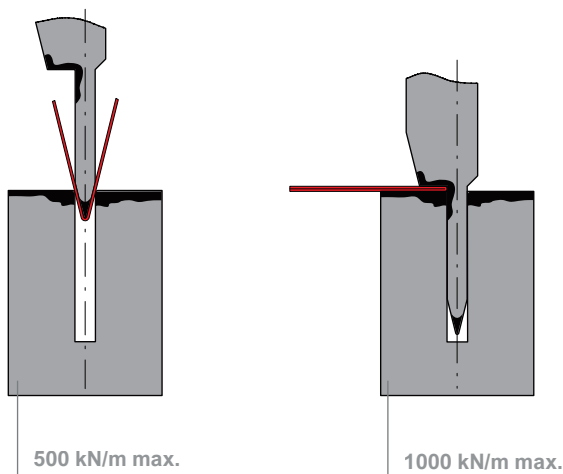
Čiastočné sploštenie je nie úplné sploštenie - vznikne tzv. slza. Napríklad pri sploštení materiálu hrúbky 1,5 mm vznikne slza hrúbky približne 4 mm. Tento rozmer závisí od použitej tonáže.

V nižšie uvedenej tabuľke si môžete pozrieť potrebnú tonáž podľa hrúbky a typu materiálu.

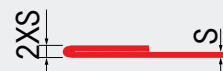
Lemovacie spodné nástroje môžu byť tiež použité ako štandardné spodné nástroje. Z tohto dôvodu je pružina zaistená pomocným mechanickým systémom.

Nástroje TOP série lemovacích spodných nástrojov majú dĺžku 525 mm.

MAX. KAPACITA



S	S	A	A	R.420 N/mm ²	R.700 N/mm ²
mm	in	mm	in	kN/m	kN/m
0.60	0.02	3.0	0.12	90	150
0.80	0.03	3.0	0.12	120	200
1.00	0.04	3.5	0.14	150	250
1.25	0.05	3.5	0.14	170	260



S	S	A	A	R.420 N/mm ²	R.700 N/mm ²
mm	in	mm	in	kN/m	kN/m
0.60	0.02	1.2	0.05	230	350
0.80	0.03	1.6	0.06	320	500
1.00	0.04	1.0	0.04	400	600
1.25	0.05	2.5	0.10	500	800



Cieľom príručky ohraňovania "Bending handbook" je vám dodať praktické a užitočné informácie k rýchlemu dosiahnutiu požadovaných výsledkov. Nájdete v nej množstvo príkladov, jednoduchých vzorcov a informácií, ktoré správne vysvetľujú prístup k procesu samotného ohraňovania.



Kliknite na QR kód alebo ho zoscanujte a ihneď sa dozviete o našich lemovacích nástrojoch viac informácií.

TOP.SM-134.28.8

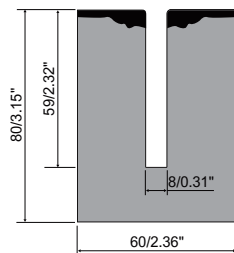
525 mm 20.67" 17.5 kg
495 mm 19.49" 16.5 kg FC

42Cr:900-1150 N/mm²
500 - 1000 kN/m max.

H=80 | R=1 | V=8 mm
H=3.15 | R=0.039 | V=0.31 in



Použitie s:
TOP.SP.134.28.8

**TOP.SM-134.24.8**

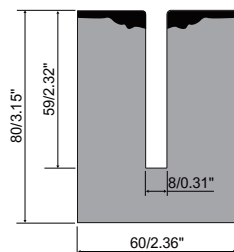
525 mm 20.67" 16.5 kg
495 mm 19.49" 16.5 kg FC

42Cr:900-1150 N/mm²
500 - 1000 kN/m max.

H=80 | R=1 | V=8 mm
H=3.15 | R=0.039 | V=0.31 in



Použitie s:
TOP.SP.134.24.8

**TOP.SM-134.24.10**

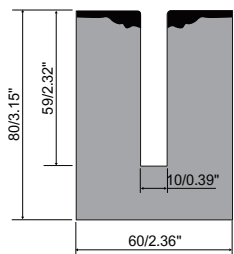
525 mm 20.67" 18.0 kg
495 mm 19.49" 16.9 kg FC

42Cr:900-1150 N/mm²
500 - 1000 kN/m max.

H=80 | R=1 | V=10 mm
H=3.15 | R=0.039 | V=0.39 in



Použitie s:
TOP.SP.134.24.10

**TOP.SM-134.24.12**

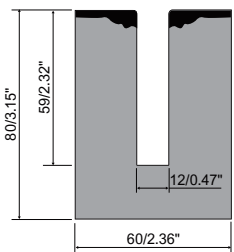
525 mm 20.67" 16.8 kg
495 mm 19.49" 15.9 kg FC

42Cr:900-1150 N/mm²
500 - 1000 kN/m max.

H=80 | R=1 | V=12 mm
H=3.15 | R=0.039 | V=0.47 in



Použitie s:
TOP.SP.134.24.12



FC: 495 mm - 19.48"

mm: 25-30-35-40-45-50-100-170

in: 0.98-1.18-1.37-1.57-1.77-1.97-3.94-9.84



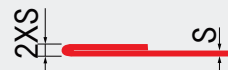
Zaregistrujte sa na www.rolleri.sk.



Rolleri stránku môžete využívať na kontrolu dodacích termínov, prehľad skladových zásob a zároveň budete informovaný o našich novinkách. Sami si overíte ceny a priamo môžete zadávať objednávky.



S mm	S in	A mm	A in	R.420 N/mm ² kN/m	R.700 N/mm ² kN/m
0.6	0.02	3.0	0.12	90	150
0.8	0.03	3.0	0.12	120	200
1.0	0.04	3.5	0.14	150	250
1.25	0.05	3.5	0.14	170	260
1.5	0.06	4.6	0.18	220	380
2.0	0.08	5.5	0.22	300	500
2.5	0.10	6.5	0.26	550	-
3.0	0.12	8.0	0.31	700	-



S mm	S in	A mm	A in	R.420 N/mm ² kN/m	R.700 N/mm ² kN/m
0.6	0.02	3.0	0.12	230	350
0.8	0.03	3.0	0.12	320	500
1.0	0.04	3.5	0.14	400	600
1.25	0.05	3.5	0.14	500	800
1.5	0.06	4.6	0.18	630	950
2.0	0.08	5.5	0.22	800	1300
2.5	0.10	6.5	0.26	900	-
3.0	0.12	8.0	0.31	1000	-

S101.35.06

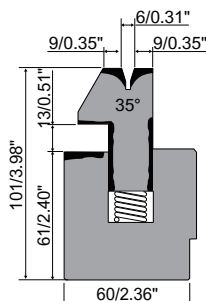
835 mm 32.87" 30 kg
415 mm 16.34" 15.4 kg

35° >



C45: 560-710 N/mm²
600 kN/m max.

35°
H=101 | R=1 | V=6 mm
H=3.98 | R=0.039 | V=0.24 in



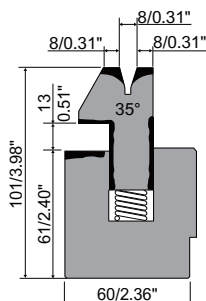
S101.35.08

835 mm 32.87" 30 kg
415 mm 16.34" 15 kg



C45: 560-710 N/mm²
600 kN/m max.

35°
H=101 | R=1 | V=8 mm
H=3.98 | R=0.039 | V=0.31 in



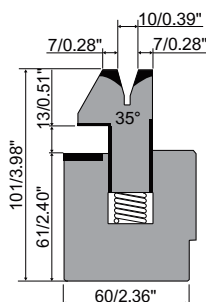
S101.35.10

835 mm 32.87" 30 kg
415 mm 16.34" 15.5 kg



C45: 560-710 N/mm²
600 kN/m max.

35°
H=101 | R=1 | V=10 mm
H=3.98 | R=0.039 | V=0.39 in



Pružinové lemovací spodné nástroje môžu byť používané aj ako štandardné spodné nástroje. V spodnej polohe je potrebné ich zaistiť skrutkami.

Katalógy dostupné na stiahnutie na www.rolleri.sk/na-stiahnutie - pre nástroje na ohraňovanie, upínacie systémy, vysekávacie nástroje, dierovacie nástroje pre Ironworker, spotrebný materiál pre lasery a iné.



S110.30.08

835 mm 32.87" 30 kg
415 mm 16.34" 15 kg

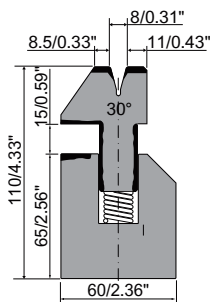
30° >



C45: 560-710 N/mm²
800 kN/m max.

30°

H=110 | R=1.5 | V=8 mm
H=4.33 | R=0.059 | V=0.31 in



S135.26.08

835 mm 32.87" 39.8 kg
415 mm 16.34" 21 kg

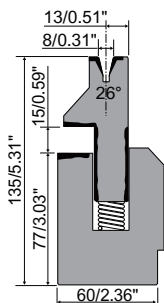
26° >



42Cr:900-1150 N/mm²
400 kN/m max.

26°

H=135 | R=1.5 | V=8 mm
H=5.31 | R=0.059 | V=0.31 in



S135.26.10

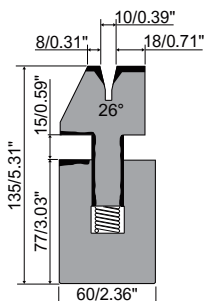
835 mm 32.87" 41.5 kg
415 mm 16.34" 20.7 kg



C45: 560-710 N/mm²
1000 kN/m max.

26°

H=135 | R=1.5 | V=10 mm
H=5.31 | R=0.059 | V=0.39 in



SA135.26.12

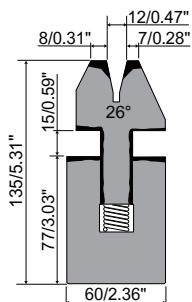
835 mm 32.87" 41 kg
415 mm 16.34" 20.5 kg



C45: 560-710 N/mm²
1000 kN/m max.

26°

H=135 | R=2 | V=10 mm
H=5.31 | R=0.079 | V=0.39 in



Zaregistrujte sa na www.rolleri.sk.



Rolleri stránku môžete využívať na kontrolu dodacích termínov, prehľad skladových zásob a zároveň budete informovaný o našich novinkách. Sami si overíte ceny a priamo môžete zadávať objednávky.

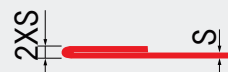


Stiahnite si Rolleri aplikáciu **Bending App**.

Taktiež zadarmo získate náš software týkajúci sa zásad ohraňovania. Používaním tejto aplikácie môžete bez problémov zoscanovať QR kódy v tomto katalogu.



S mm	S in	A mm	A in	R.420 N/mm ² kN/m	R.700 N/mm ² kN/m
0.6	0.02	3.0	0.12	90	150
0.8	0.03	3.0	0.12	120	200
1.0	0.04	3.5	0.14	150	250
1.25	0.05	3.5	0.14	170	260
1.5	0.06	4.6	0.18	220	380
2.0	0.08	5.5	0.22	300	500
2.5	0.10	6.5	0.26	550	-
3.0	0.12	8.0	0.31	700	-



S mm	S in	A mm	A in	R.420 N/mm ² kN/m	R.700 N/mm ² kN/m
0.6	0.02	3.0	0.12	230	350
0.8	0.03	3.0	0.12	320	500
1.0	0.04	3.5	0.14	400	600
1.25	0.05	3.5	0.14	500	800
1.5	0.06	4.6	0.18	630	950
2.0	0.08	5.5	0.22	800	1300
2.5	0.10	6.5	0.26	900	-
3.0	0.12	8.0	0.31	1000	-

S101PN.35.06

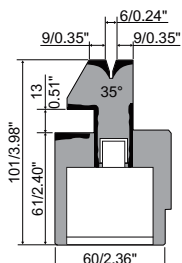
835 mm 32.87" 30 kg
415 mm 16.34" 15.5 kg

35° >



C45: 560-710 N/mm²
600 kN/m max.

35°
H=101 | R=1 | V=6 mm
H=3.98 | R=0.039 | V=0.24 in



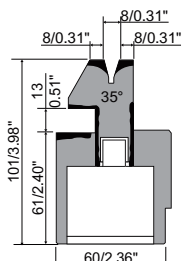
S101PN.35.08

835 mm 32.87" 31 kg
415 mm 16.34" 15.5 kg



C45: 560-710 N/mm²
600 kN/m max.

35°
H=101 | R=1 | V=8 mm
H=3.98 | R=0.039 | V=0.31 in



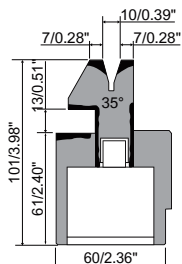
S101PN.35.10

835 mm 32.87" 29.0 kg
415 mm 16.34" 15.5 kg



C45: 560-710 N/mm²
600 kN/m max.

35°
H=101 | R=1 | V=10 mm
H=3.98 | R=0.039 | V=0.39 in



Zaregistrujte sa na www.rolleri.sk.



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KPN

1 kg



S110PN.30.08

835 mm 32.87" 30 kg
415 mm 16.34" 15 kg

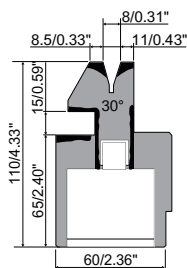
30° >



C45: 560-710 N/mm²
800 kN/m max.

30°

H=110 | R=1.5 | V=8 mm
H=4.33 | R=0.059 | V=0.31 in



S135PN.26.08

835 mm 32.87" 39.8 kg
415 mm 16.34" 21.2 kg

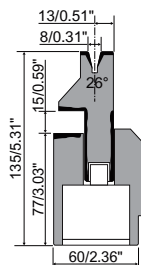
26° >



42Cr:900-1150 N/mm²
400 kN/m max.

26°

H=135 | R=1.5 | V=8 mm
H=5.31 | R=0.059 | V=0.31 in



S135PN.26.10

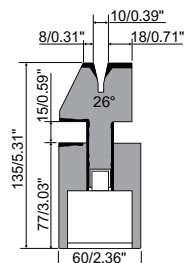
835 mm 32.87" 41.5 kg
415 mm 16.34" 20.7 kg



C45: 560-710 N/mm²
1000 kN/m max.

26°

H=135 | R=1.5 | V=10 mm
H=5.31 | R=0.059 | V=0.39 in



SA135PN.26.12

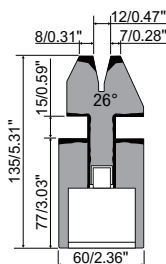
835 mm 32.87" 41.5 kg
415 mm 16.34" 20.5 kg



C45: 560-710 N/mm²
1000 kN/m max.

26°

H=135 | R=2 | V=12 mm
H=5.31 | R=0.079 | V=0.47 in



Súprava "KPN kit" je balíček určený pre pneumatické lemovacie spodné nástroje. Tento kit automaticky otvára a zatvára vzduchový obvod. KPN sa skladá aj z elektroventilu, ktorý prijíma signál priamo z CNC ohraňovacieho lisu. Preto je toto ohraňovanie komfortnejšie a v neposlednom rade šetrí aj čas.

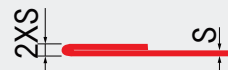


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S mm	S in	A mm	A in	R.420 N/mm ² kN/m	R.700 N/mm ² kN/m
0.6	0.02	3.0	0.12	90	150
0.8	0.03	3.0	0.12	120	200
1.0	0.04	3.5	0.14	150	250
1.25	0.05	3.5	0.14	170	260
1.5	0.06	4.6	0.18	220	380
2.0	0.08	5.5	0.22	300	500
2.5	0.10	6.5	0.26	550	-
3.0	0.12	8.0	0.31	700	-



S mm	S in	A mm	A in	R.420 N/mm ² kN/m	R.700 N/mm ² kN/m
0.6	0.02	3.0	0.12	230	350
0.8	0.03	3.0	0.12	320	500
1.0	0.04	3.5	0.14	400	600
1.25	0.05	3.5	0.14	500	800
1.5	0.06	4.6	0.18	630	950
2.0	0.08	5.5	0.22	800	1300
2.5	0.10	6.5	0.26	900	-
3.0	0.12	8.0	0.31	1000	-

Použitím maximálnej tonáže ohrňovacieho lisu na lemovanie materiálu hrubšieho viac ako 2 mm bol predstavený nový spôsob - TOPSC.130 a TOPSC.130PN.

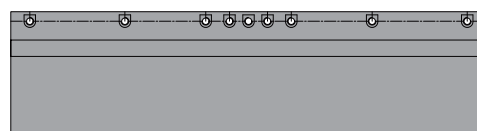
S nástrojmi je možné použiť spodné nástroje SM55.12.30 a SM55.14.30. Nástroje sú vyrobené z 42CrMo4, majú širšie telo a ich maximálna tonáž je do 1000 kN/m.

Spodné nástroje majú upínanie kategórie R2 s upínacím profilom 13mm.

Všetky štandardné spodné nástroje je možné použiť na TOPSC.130. Fixácia je realizovaná skrutkami.

Štandardná dĺžka je 500 mm a lemovací spodné nástroje sú k dispozícii v 2 verziách: manuálne s pružinami alebo pneumatické.

TOP150.30.R12 je horný nástroj, ktorý je odporúčané použiť s týmto systémom.



TOP.SC.130

500 mm 19.68" 8.0 kg

42Cr:900-1150 N/mm²
1000 kN/m max.

H=130 mm
H=5.12 in

Pružinové lemovací spodné nástroje NOVINKA



Použitie s:
TOP150.30.R12



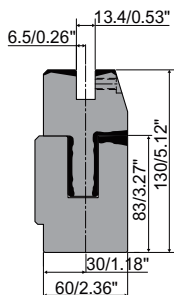
TOP.SC.130PN

500 mm 19.68" 30 kg

42Cr:900-1150 N/mm²
1000 kN/m max.

H=130 mm
H=5.12 in

Pneumatické lemovací spodné nástroje NOVINKA



Zaregistrujte sa na www.rolleri.sk.



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KPN

1 kg





SM55.12.30/C

1000 mm 39.37" 16.0 kg
 500 mm 19.68" 8.0 kg
 1100 mm 43.31" 17.6 kg F

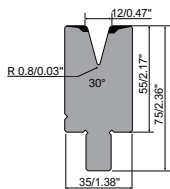
30° >



Použitie s:
[TOP.SC.130](#)
[TOP.SC.130PN](#)

42Cr:900-1150 N/mm²
 Ohraňovanie: 500 kN/m max.
 Lemovanie: 900 kN/m max.

NOVINKA



SM55.14.30/C

1000 mm 39.37" 19.0 kg
 500 mm 19.68" 9.5 kg
 1100 mm 43.31" 20.9 kg F



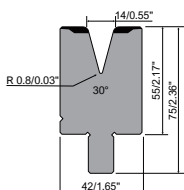
Použitie s:
[TOP.SC.130](#)
[TOP.SC.130PN](#)

42Cr:900-1150 N/mm²
 Ohraňovanie: 600 kN/m max.
 Lemovanie: 1000 kN/m max.

30°

W=55 | H=75 | R=3.0 | V=14 mm
 W=2.17 | H=2.36 | R=0.12 | V=0.55 in

NOVINKA



BMR55.06.30/C

500 mm 19.68" 4 kg



Použitie s:
[TOP.SC.130](#)
[TOP.SC.130PN](#)



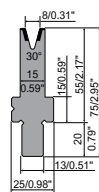
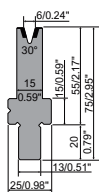
BMR55.08.30/C

500 mm 19.68" 4 kg

42Cr: 900-1150 N/mm²
 350 kN/m max.

30°

W=55 | H=75 | R=0.6 | V=6 mm
 W=2.17 | H=2.36 | R=0.024 | V=0.24 in



42Cr: 900-1150 N/mm²
 200 kN/m max.

30°

W=55 | H=75 | R=0.8 | V=8 mm
 W=2.17 | H=2.36 | R=0.031 | V=0.31 in

BMR55.10.30/C

500 mm 19.68" 5 kg

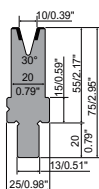


Použitie s:
[TOP.SC.130](#)
[TOP.SC.130PN](#)

42Cr: 900-1150 N/mm²
 350 kN/m max.

30°

W=55 | H=75 | R=1.0 | V=10 mm
 W=2.17 | H=2.36 | R=0.039 | V=0.39 in



Súprava "KPN kit" je balíček určený pre pneumatické lemovacie spodné nástroje. Tento kit automaticky otvára a zatvára vzduchový obvod. KPN sa skladá aj z elektroventilu, ktorý prijíma signál priamo z CNC ohraňovacieho lisu. Preto je toto ohraňovanie komfortnejšie a v neposlednom rade šetrí aj čas.

F: 1100 mm - 43.31"

mm: 400-200-100-100-75-60-50-40-30-20-15-10

in: 15.75-7.87-3.94-3.94-2.95-2.36-1.97-1.57-1.18-0.78-0.59-0.39



12100

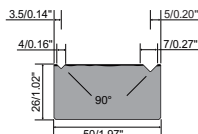
835 mm 32.87" 8.4 kg
415 mm 16.34" 4.2 kg

90° >



C45: 560-710 N/mm²
600 kN/m max.

90°
H=26 | R=0.4 | V=4 mm
H=26 | R=0.4 | V=7 mm
H=1.02 | R=0.016 | V=0.16 in
H=1.02 | R=0.016 | V=0.28 in



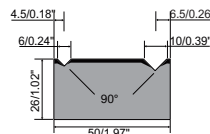
12300

835 mm 32.87" 8.0 kg
415 mm 16.34" 3.9 kg



C45: 560-710 N/mm²
700 kN/m max.

90°
H=26 | R=0.4 | V=6 mm
H=26 | R=0.6 | V=10 mm
H=1.02 | R=0.016 | V=0.24 in
H=1.02 | R=0.024 | V=0.39 in



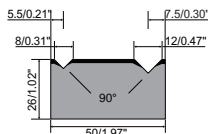
12400

835 mm 32.87" 8.0 kg
415 mm 16.34" 3.9 kg



C45: 560-710 N/mm²
800 kN/m max.

90°
H=26 | R=0.5 | V=8 mm
H=26 | R=0.8 | V=12 mm
H=1.02 | R=0.020 | V=0.31 in
H=1.02 | R=0.031 | V=0.47 in



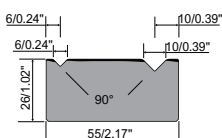
31100

835 mm 32.87" 9.1 kg
415 mm 16.34" 4.5 kg



C45: 560-710 N/mm²
800 kN/m max.

90°
H=26 | R=1.5 | V=6 mm
H=26 | R=2.5 | V=10 mm
H=1.02 | R=0.06 | V=0.24 in
H=1.02 | R=0.098 | V=0.39 in



12106

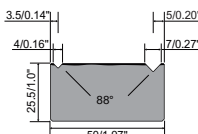
835 mm 32.87" 8.4 kg
415 mm 16.34" 4.2 kg

88° >



C45: 560-710 N/mm²
600 kN/m max.

88°
H=25.5 | R=0.4 | V=4 mm
H=25.5 | R=0.4 | V=7 mm
H=1.00 | R=0.016 | V=0.16 in
H=1.00 | R=0.016 | V=0.28 in



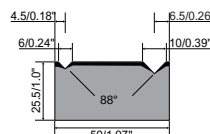
12306

835 mm 32.87" 8.0 kg
415 mm 16.34" 3.9 kg



C45: 560-710 N/mm²
700 kN/m max.

88°
H=25.5 | R=0.4 | V=6 mm
H=25.5 | R=0.6 | V=10 mm
H=1.00 | R=0.016 | V=0.24 in
H=1.00 | R=0.024 | V=0.39 in



Spodné nástroje série R1A majú rovnaké rozmery ako spodné nástroje Amada.



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12406

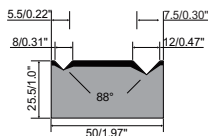
835 mm 32.87" 8.4 kg
415 mm 16.34" 7.8 kg



C45: 560-710 N/mm²
800 kN/m max.

88°

H=25.5 | R=0.5 | V=8 mm
H=25.5 | R=0.8 | V=12 mm
H=1.00 | R=0.020 | V=0.31 in
H=1.00 | R=0.031 | V=0.47 in



12500

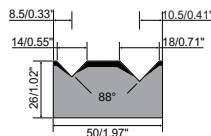
835 mm 32.87" 7.7 kg
415 mm 16.34" 3.8.0 kg



C45: 560-710 N/mm²
1000 kN/m max.

88°

H=26 | R=0.5 | V=14 mm
H=26 | R=0.5 | V=18 mm
H=1.02 | R=0.020 | V=0.55 in
H=1.02 | R=0.020 | V=0.71 in



12600

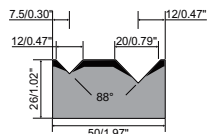
835 mm 32.87" 7.5 kg
415 mm 16.34" 3.7 kg



C45: 560-710 N/mm²
1000 kN/m max.

88°

H=26 | R=0.5 | V=12 mm
H=26 | R=0.5 | V=20 mm
H=1.02 | R=0.020 | V=0.47 in
H=1.02 | R=0.020 | V=0.79 in



12700

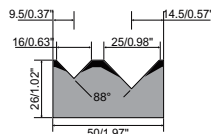
835 mm 32.87" 7 kg
415 mm 16.34" 3.4.0 kg



C45: 560-710 N/mm²
700 kN/m max.

88°

H=26 | R=0.8 | V=16 mm
H=26 | R=0.8 | V=25 mm
H=1.02 | R=0.031 | V=0.63 in
H=1.02 | R=0.031 | V=0.98 in



31106

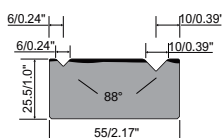
835 mm 32.87" 8.9 kg
415 mm 16.34" 4.4.0 kg



C45: 560-710 N/mm²
800 kN/m max.

88°

H=25.5 | R=1.5 | V=6 mm
H=25.5 | R=2.5 | V=10 mm
H=1.00 | R=0.06 | V=0.24 in
H=1.00 | R=0.098 | V=0.39 in



31400

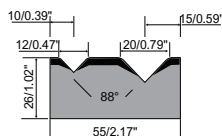
835 mm 32.87" 7.5 kg
415 mm 16.34" 3.7 kg



C45: 560-710 N/mm²
1000 kN/m max.

88°

H=26 | R=3 | V=12 mm
H=26 | R=4 | V=20 mm
H=1.02 | R=0.118 | V=0.47 in
H=1.02 | R=0.157 | V=0.79 in



Zaregistrujte sa na www.rolleri.sk.

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Cieľom príručky ohraňovania "Bending handbook"

je vám dodať praktické a užitočné informácie k rýchlemu dosiahnutiu požadovaných výsledkov. Nájdete v nej množstvo príkladov, jednoduchých vzorcov a informácií, ktoré správne vysvetľujú prístup k procesu samotného ohraňovania.



30148

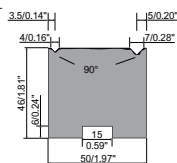
835 mm	32.87"	14.2 kg	
415 mm	16.34"	7.1 kg	
795 mm	31.29"	13.5 kg	FX
835 mm	32.87"	13.7 kg	FC

90° >



C45: 560-710 N/mm²
600 kN/m max.

90°
H=46 | R=0.4 | V=4 mm
H=46 | R=0.4 | V=7 mm
H=1.81 | R=0.016 | V=0.16 in
H=1.81 | R=0.016 | V=0.28 in



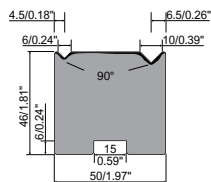
30248

835 mm	32.87"	14.2 kg	
415 mm	16.34"	7.1 kg	
795 mm	31.29"	13.5 kg	FX
835 mm	32.87"	13.7 kg	FC



C45: 560-710 N/mm²
700 kN/m max.

90°
H=46 | R=0.4 | V=6 mm
H=46 | R=0.6 | V=10 mm
H=1.81 | R=0.016 | V=0.24 in
H=1.81 | R=0.023 | V=0.39 in



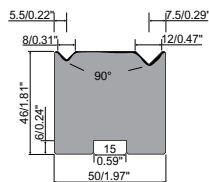
30348

835 mm	32.87"	14.2 kg	
415 mm	16.34"	7.1 kg	
795 mm	31.29"	13.5 kg	FX
835 mm	32.87"	13.7 kg	FC



C45: 560-710 N/mm²
700 kN/m max.

90°
H=46 | R=0.5 | V=8 mm
H=46 | R=0.8 | V=12 mm
H=1.81 | R=0.016 | V=0.31 in
H=1.81 | R=0.016 | V=0.47 in



50190

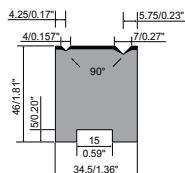
835 mm	32.87"	9.7 kg	
415 mm	16.34"	4.8.0 kg	
795 mm	31.29"	9.2 kg	FX
835 mm	32.87"	9.4.0 kg	FC

Samocentrovacie



C45: 560-710 N/mm²
600 kN/m max.

90°
H=46 | R=0.4 | V=4 mm
H=46 | R=0.4 | V=7 mm
H=1.81 | R=0.016 | V=0.16 in
H=1.81 | R=0.016 | V=0.28 in



50790

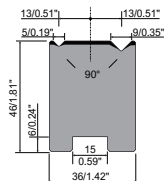
835 mm	32.87"	10.0 kg	
415 mm	16.34"	5.0 kg	
795 mm	31.29"	9.5.0 kg	FX
835 mm	32.87"	9.7 kg	FC

Samocentrovacie



C45: 560-710 N/mm²
600 kN/m max.

90°
H=46 | R=0.4 | V=5 mm
H=46 | R=0.6 | V=9 mm
H=1.81 | R=0.016 | V=0.196 in
H=1.81 | R=0.023 | V=0.35 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50-200
in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

FC: 835 mm - 32.87"

mm: 10-15-20-40-50-100-200-400
in: 0.39-0.59-0.78-1.57-1.96-3.94 -7.87-15.75





50290

835 mm 32.87" 10.3 kg
 415 mm 16.34" 5.2 kg
 795 mm 31.29" 10.0 kg FX
 835 mm 32.87" 10.1 kg FC

Samocentrovacie



C45: 560-710 N/mm²

700 kN/m max.

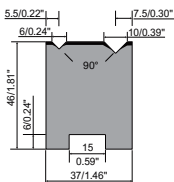
90°

H=46 | R=0.4 | V=6 mm

H=46 | R=0.6 | V=10 mm

H=1.81 | R=0.016 | V=0.24 in

H=1.81 | R=0.024 | V=0.39 in



50390

835 mm 32.87" 10.7 kg
 415 mm 16.34" 5.3 kg
 795 mm 31.29" 10.7 kg FX
 835 mm 32.87" 10.7 kg FC

Samocentrovacie



C45: 560-710 N/mm²

700 kN/m max.

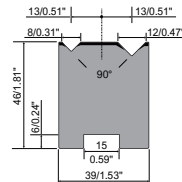
90°

H=46 | R=0.5 | V=8 mm

H=46 | R=0.8 | V=12 mm

H=1.81 | R=0.019 | V=0.31 in

H=1.81 | R=0.031 | V=0.47 in



30147

835 mm 32.87" 14.2 kg
 415 mm 16.34" 7.1 kg
 795 mm 31.29" 13.5 kg FX
 835 mm 32.87" 13.7 kg FC

88° >



C45: 560-710 N/mm²

600 kN/m max.

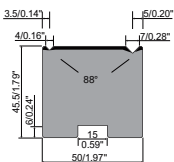
88°

H=45.5 | R=0.4 | V=4 mm

H=45.5 | R=0.4 | V=7 mm

H=1.79 | R=0.016 | V=0.16 in

H=1.79 | R=0.016 | V=0.27 in



30247

835 mm 32.87" 14.0 kg
 415 mm 16.34" 8.4 kg
 795 mm 31.29" 16.2 kg FX
 835 mm 32.87" 16.4 kg FC

C45: 560-710 N/mm²

700 kN/m max.

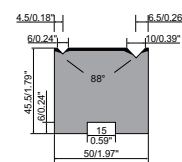
88°

H=45.5 | R=0.4 | V=6 mm

H=45.5 | R=0.6 | V=10 mm

H=1.79 | R=0.016 | V=0.24 in

H=1.79 | R=0.024 | V=0.39 in



30347

835 mm 32.87" 14.2 kg
 415 mm 16.34" 7.1 kg
 795 mm 31.29" 13.5 kg FX
 835 mm 32.87" 13.7 kg FC



C45: 560-710 N/mm²

700 kN/m max.

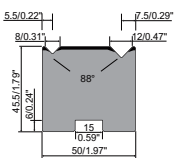
88°

H=45.5 | R=0.5 | V=8 mm

H=45.5 | R=0.8 | V=12 mm

H=1.79 | R=0.019 | V=0.31 in

H=1.79 | R=0.031 | V=0.47 in



30448

835 mm 32.87" 13.5 kg
 415 mm 16.34" 6.7 kg
 795 mm 31.29" 13.5 kg FX
 835 mm 32.87" 13.7 kg FC



C45: 560-710 N/mm²

1000 kN/m max.

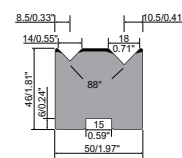
88°

H=46 | R=0.5 | V=14 mm

H=46 | R=0.5 | V=18 mm

H=1.81 | R=0.019 | V=0.55 in

H=1.81 | R=0.019 | V=0.71 in



30548

835 mm 32.87" 13.5 kg
 415 mm 16.34" 6.7 kg
 795 mm 31.29" 13.5 kg FX
 835 mm 32.87" 13.7 kg FC



C45: 560-710 N/mm²

1000 kN/m max.

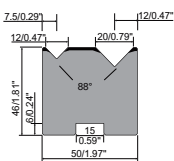
88°

H=46 | R=0.5 | V=12 mm

H=46 | R=0.5 | V=20 mm

H=1.81 | R=0.019 | V=0.47 in

H=1.81 | R=0.019 | V=0.79 in



30648

835 mm 32.87" 12.9 kg
 415 mm 16.34" 6.4 kg
 795 mm 31.29" 13.5 kg FX
 835 mm 32.87" 13.7 kg FC



C45: 560-710 N/mm²

1000 kN/m max.

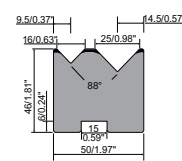
88°

H=46 | R=0.8 | V=16 mm

H=46 | R=0.8 | V=25 mm

H=1.81 | R=0.031 | V=0.63 in

H=1.81 | R=0.031 | V=0.98 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50-200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

FC: 835 mm - 32.87"

mm: 10-15-20-40-50-100-200-400

in: 0.39-0.59-0.78-1.57-1.96-3.94 -7.87-15.75



50196

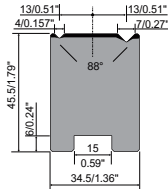
835 mm 32.87" 9.5.0 kg
 415 mm 16.34" 4.8.0 kg
 795 mm 31.29" 9.5.0 kg FX
 835 mm 32.87" 9.5.0 kg FC

Samocentrovacie



C45: 560-710 N/mm²
 600 kN/m max.

88°
 H=45.5 | R=0.4 | V=4 mm
 H=45.5 | R=0.4 | V=7 mm
 H=1.79 | R=0.016 | V=0.16 in
 H=1.79 | R=0.016 | V=0.28 in



50296

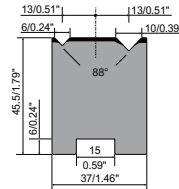
835 mm 32.87" 10.4 kg
 415 mm 16.34" 5.2 kg
 795 mm 31.29" 10.4 kg FX
 835 mm 32.87" 10.4 kg FC

Samocentrovacie



C45: 560-710 N/mm²
 700 kN/m max.

88°
 H=45.5 | R=0.4 | V=6 mm
 H=45.5 | R=0.6 | V=10 mm
 H=1.76 | R=0.016 | V=0.24 in
 H=1.76 | R=0.023 | V=0.39 in



50796

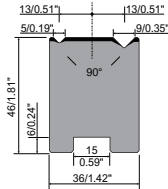
835 mm 32.87" 10.0 kg
 415 mm 16.34" 5.0 kg
 795 mm 31.29" 9.5.0 kg FX
 835 mm 32.87" 9.5.0 kg FC

Samocentrovacie



C45: 560-710 N/mm²
 600 kN/m max.

88°
 H=45.5 | R=0.4 | V=5 mm
 H=45.5 | R=0.6 | V=9 mm
 H=1.79 | R=0.016 | V=0.2 in
 H=1.79 | R=0.024 | V=0.35 in



50396

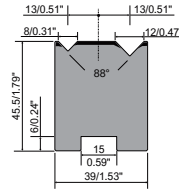
835 mm 32.87" 10.8 kg
 415 mm 16.34" 5.3 kg
 795 mm 31.29" 10.8 kg FX
 835 mm 32.87" 10.8 kg FC

Samocentrovacie



C45: 560-710 N/mm²
 700 kN/m max.

88°
 H=45.5 | R=0.5 | V=8 mm
 H=45.5 | R=0.8 | V=12 mm
 H=1.79 | R=0.019 | V=0.31 in
 H=1.79 | R=0.019 | V=0.47 in



50490

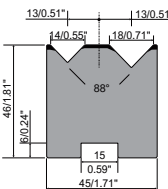
835 mm 32.87" 12 kg
 415 mm 16.34" 5.3 kg
 795 mm 31.29" 10.8 kg FX
 835 mm 32.87" 10.8 kg FC

Samocentrovacie



C45: 560-710 N/mm²
 1000 kN/m max.

88°
 H=46 | R=0.5 | V=14 mm
 H=46 | R=0.5 | V=18 mm
 H=1.81 | R=0.019 | V=0.55 in
 H=1.81 | R=0.019 | V=0.71 in



50590

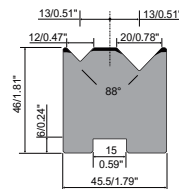
835 mm 32.87" 12.2 kg
 415 mm 16.34" 6.1 kg
 795 mm 31.29" 12.2 kg FX
 835 mm 32.87" 12.2 kg FC

Samocentrovacie



C45: 560-710 N/mm²
 700 kN/m max.

88°
 H=46 | R=0.5 | V=12 mm
 H=46 | R=0.5 | V=20 mm
 H=1.81 | R=0.019 | V=0.47 in
 H=1.81 | R=0.019 | V=0.78 in



50690

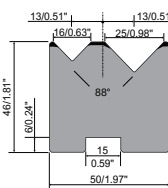
835 mm 32.87" 13 kg
 415 mm 16.34" 6.5 kg
 795 mm 31.29" 12.4 kg FX
 835 mm 32.87" 12.6 kg FC

Samocentrovacie



C45: 560-710 N/mm²
 1000 kN/m max.

88°
 H=46 | R=0.8 | V=16 mm
 H=46 | R=0.8 | V=25 mm
 H=1.81 | R=0.031 | V=0.63 in
 H=1.81 | R=0.031 | V=0.98 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

FC: 835 mm - 32.87"

mm: 10-15-20-40-50-100-200-400

in: 0.39-0.59-0.78-1.57-1.96-3.94 -7.87-15.75

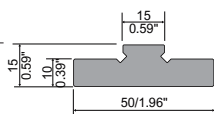


30000

835 mm 32.87" 3.7 kg
415 mm 16.34" 1.9.0 kg



C45: 560-710 N/mm²
1000 kN/m max.



33700

835 mm 32.87" 13.3 kg
415 mm 16.34" 5.6 kg



42Cr:900-1500 N/mm²
300 kN/m max.

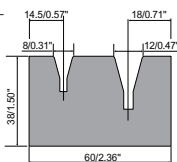
90°

R=1 | V=8 mm

R=1 | V=12 mm

R=0.039 | V=0.31 in

R=0.039 | V=0.47 in



Katalógy dostupné na stiahnutie na www.rolleri.sk/na-stiahnutie - pre nástroje na ohraňovanie, upínacie systémy, vysekávacie nástroje, dierovacie nástroje pre Ironworker, spotrebný materiál pre lasery a iné.



Zaregistrujte sa na www.rolleri.sk.

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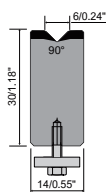
32000

835 mm 32.87" 3 kg
415 mm 16.34" 1.5.0 kg

C45: 560-710 N/mm²
950 kN/m max.

90°

H=30 | R=1.5 | V=6 mm
H=1.18 | R=0.059 | V=0.24 in



90° >



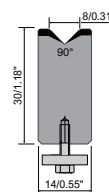
32100

835 mm 32.87" 3 kg
415 mm 16.34" 1.5.0 kg

C45: 560-710 N/mm²
950 kN/m max.

90°

H=30 | R=1.5 | V=8 mm
H=1.18 | R=0.059 | V=0.31 in



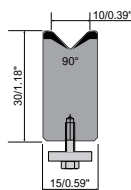
32300

835 mm 32.87" 3 kg
415 mm 16.34" 1.5.0 kg

C45: 560-710 N/mm²
950 kN/m max.

90°

H=60 | R=2 | V=10 mm
H=2.36 | R=0.079 | V=0.39 in



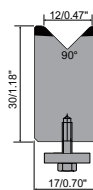
32600

835 mm 32.87" 2.9 kg
415 mm 16.34" 1.5.0 kg

C45: 560-710 N/mm²
1000 kN/m max.

90°

H=30 | R=2.5 | V=12 mm
H=1.18 | R=0.098 | V=0.47 in



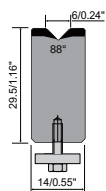
32006

835 mm 32.87" 3 kg
415 mm 16.34" 1.5.0 kg

C45: 560-710 N/mm²
950 kN/m max.

88°

H=29.5 | R=1.5 | V=6 mm
H=1.16 | R=0.059 | V=0.24 in



88° >



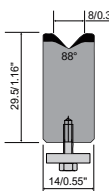
32106

835 mm 32.87" 3 kg
415 mm 16.34" 1.5.0 kg

C45: 560-710 N/mm²
950 kN/m max.

88°

H=29.5 | R=1.5 | V=8 mm
H=2.36 | R=0.059 | V=0.31 in



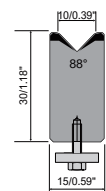
32200

835 mm 32.87" 3 kg
415 mm 16.34" 1.5.0 kg

C45: 560-710 N/mm²
950 kN/m max.

88°

H=30 | R=2 | V=10 mm
H=1.18 | R=0.079 | V=0.39 in



Samocentrovacie 1-V spodné nástroje A série sú určené na používanie spolu s držiakom zo série 33000. Rozostup otvorov je štandardný. Os spodného a horného nástroja je rozdielna. Z tohoto dôvodu je najskôr potrebné spustiť baran ohrňovacieho lisu dole bez materiálu. Týmto sa spodný nástroj správne umiestni. Následne môže

operátor ohrňovacieho lisu zafixovať spodný nástroj ku držiaku skrutkou.

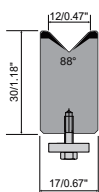
32400

835 mm 32.87" 3 kg
415 mm 16.34" 1.5.0 kg

C45: 560-710 N/mm²
1000 kN/m max.

88°

H=30 | R=2.5 | V=12 mm
H=1.18 | R=0.098 | V=0.47



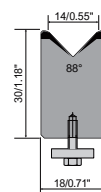
32500

835 mm 32.87" 3.3 kg
415 mm 16.34" 1.6 kg

C45: 560-710 N/mm²
1000 kN/m max.

88°

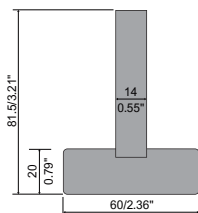
H=60 | R=2.5 | V=14 mm
H=2.36 | R=0.098 | V=0.55



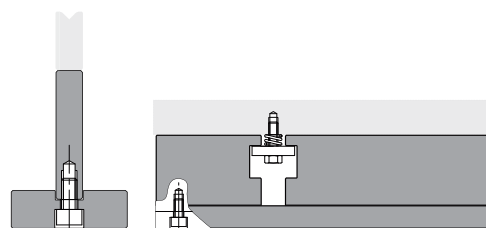
33000

835 mm 32.87" 12.7 kg
415 mm 16.34" 6.3 kg

C45: 560-710 N/mm²
1000 kN/m max.



Príklad použitia



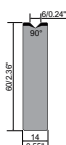
07000

835 mm 32.87" 5.5 kg
415 mm 16.34" 2.7 kg
795 mm 31.29" 5.2 kg FX
835 mm 32.87" 5.3 kg F

C45: 560-710 N/mm²
950 kN/m max.

90°

H=60 | R=1.5 | V=6 mm
H=2.36 | R=0.059 | V=0.24 in



90° >



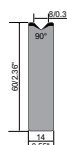
07100

835 mm 32.87" 5.5 kg
415 mm 16.34" 2.7 kg
795 mm 31.29" 5.2 kg FX
835 mm 32.87" 5.3 kg F

C45: 560-710 N/mm²
950 kN/m max.

90°

H=60 | R=1.5 | V=8 mm
H=2.36 | R=0.059 | V=0.31 in



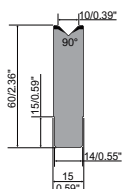
07300

835 mm 32.87" 6 kg
415 mm 16.34" 3 kg
795 mm 31.29" 5.3 kg FX
835 mm 32.87" 5.4 kg F

C45: 560-710 N/mm²
950 kN/m max.

90°

H=60 | R=2 | V=10 mm
H=2.36 | R=0.079 | V=0.39 in



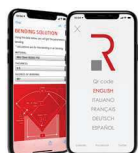
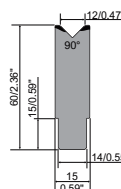
07500

835 mm 32.87" 6.1 kg
415 mm 16.34" 3 kg
795 mm 31.29" 5.8 kg FX
835 mm 32.87" 5.9 kg F

C45: 560-710 N/mm²
950 kN/m max.

90°

H=60 | R=2.5 | V=12 mm
H=2.36 | R=0.098 | V=0.47 in



Stiahnite si Rolleri aplikáciu **Bending App**.
Taktiež zadarmo získate náš software týkajúci sa zásad ohraňovania. Používaním tejto aplikácie môžete bez problémov zoscanovať QR kódy v tomto katalogu.



Zaregistrujte sa na www.rolleri.sk.
Rolleri stránku môžete využívať na kontrolu dodacích termínov, prehľad skladových zásob a zároveň budete informovaný o našich novinkách. Sami si overíte ceny a priamo môžete zadávať objednávky.

07006

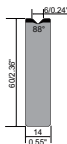
835 mm	32.87"	5.5 kg	
415 mm	16.34"	2.7 kg	
795 mm	31.29"	5.2 kg	FX
835 mm	32.87"	5.3 kg	FC

88° >



C45: 560-710 N/mm²
950 kN/m max.

88°
H=60 | R=1.5 | V=6 mm
H=2.36 | R=0.059 | V=0.24 in



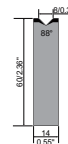
07106

835 mm	32.87"	6 kg	
415 mm	16.34"	3 kg	
795 mm	31.29"	5.4 kg	FX
835 mm	32.87"	5.5 kg	FC



C45: 560-710 N/mm²
950 kN/m max.

88°
H=60 | R=1.5 | V=8 mm
H=2.36 | R=0.059 | V=0.31 in



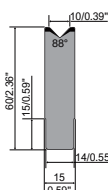
07200

835 mm	32.87"	6 kg	
415 mm	16.34"	3 kg	
795 mm	31.29"	5.4 kg	FX
835 mm	32.87"	5.5 kg	FC



C45: 560-710 N/mm²
950 kN/m max.

88°
H=60 | R=2 | V=10 mm
H=2.36 | R=0.079 | V=0.39 in



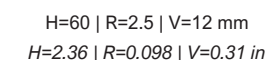
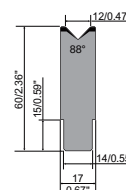
07400

835 mm	32.87"	6 kg	
415 mm	16.34"	3 kg	
795 mm	31.29"	5.8 kg	FX
835 mm	32.87"	5.9 kg	FC



C45: 560-710 N/mm²
950 kN/m max.

88°
H=60 | R=2.5 | V=12 mm
H=2.36 | R=0.098 | V=0.31 in



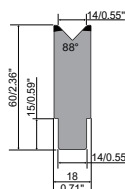
07600

835 mm	32.87"	6.1 kg	
415 mm	16.34"	3 kg	
795 mm	31.29"	5.8 kg	FX
835 mm	32.87"	5.9 kg	FC



C45: 560-710 N/mm²
950 kN/m max.

88°
H=60 | R=2.5 | V=14 mm
H=2.36 | R=0.098 | V=0.55 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

FC: 835 mm - 32.87"

mm: 10-15-20-40-50-100-200-400

in: 0.39-0.59-0.78-1.57-1.96-3.94 -7.87-15.75

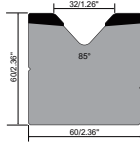
03500

835 mm	32.87"	21.7 kg	
415 mm	16.34"	10.8 kg	
795 mm	31.29"	21.7 kg	FX
805 mm	31.69"	21.7 kg	F



C45: 560-710 N/mm²
1000 kN/m max.

85°
H=60 | R=4 | V=32 mm
H=2.36 | R=0.157 | V=1.26 in



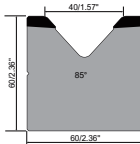
03600

835 mm	32.87"	20.5 kg	
415 mm	16.34"	10.2 kg	
795 mm	31.29"	19.5 kg	FX
805 mm	31.69"	19.7 kg	F



C45: 560-710 N/mm²
1000 kN/m max.

85°
H=60 | R=4 | V=40 mm
H=2.36 | R=0.157 | V=1.57 in



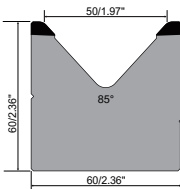
03700

835 mm	32.87"	18.9 kg	
415 mm	16.34"	9.4.0 kg	
795 mm	31.29"	18.9 kg	FX
805 mm	31.69"	18.9 kg	F



C45: 560-710 N/mm²
1000 kN/m max.

85°
H=60 | R=4 | V=50 mm
H=2.36 | R=0.157 | V=1.97 in



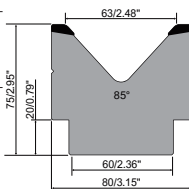
03800

835 mm	32.87"	29.2 kg	
415 mm	16.34"	14.5 kg	
795 mm	31.29"	29.2 kg	FX
805 mm	31.69"	29.2 kg	F



C45: 560-710 N/mm²
1000 kN/m max.

85°
H=75 | R=5 | V=63 mm
H=2.95 | R=0.196 | V=2.48 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200
in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100
in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94



01360

835 mm	32.87"	42.6 kg	
415 mm	16.34"	21.2 kg	
795 mm	31.29"	42.6 kg	FX
805 mm	31.69"	42.6 kg	F

85° >

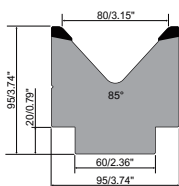


C45: 560-710 N/mm²
700 kN/m max.

85°

H=95 | R=6 | V=80 mm

H=3.74 | R=0.236 | V=3.15 in



34200

835 mm	32.87"	19.2 kg	
415 mm	16.34"	9.6 kg	
795 mm	31.29"	19.2 kg	FX
805 mm	31.69"	19.2 kg	F

45° >

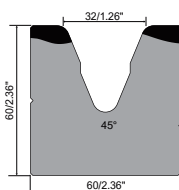


C45: 560-710 N/mm²
400 kN/m max.

45°

H=60 | R=5 | V=32 mm

H=2.36 | R=0.196 | V=1.26 in



34300

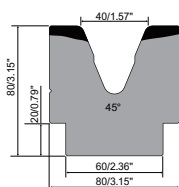
835 mm	32.87"	32.7 kg	
415 mm	16.34"	16.2 kg	
795 mm	31.29"	31.1 kg	FX
805 mm	31.69"	31.5 kg	F

C45: 560-710 N/mm²
700 kN/m max.

45°

H=80 | R=5 | V=40 mm

H=3.15 | R=0.196 | V=1.57 in



34000

835 mm	32.87"	21.5 kg	
415 mm	16.34"	10.7 kg	
795 mm	31.29"	21.5 kg	FX
805 mm	31.69"	21.5 kg	F

30° >

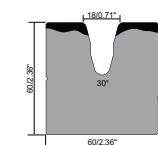


C45: 560-710 N/mm²
800 kN/m max.

30°

H=60 | R=3 | V=18 mm

H=2.36 | R=0.118 | V=0.71 in



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87

F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94

34100



835 mm 32.87" 21.7 kg
 415 mm 16.34" 10.8 kg
 795 mm 31.29" 21.7 kg FX
 805 mm 31.69" 21.7 kg F

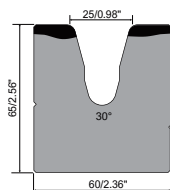
C45: 560-710 N/mm²

600 kN/m max.

30°

H=65 | R=4 | V=25 mm

H=2.56 | R=0.0.157 | V=0.98 in



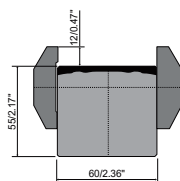
05500



835 mm 32.87" 21.7 kg
 415 mm 16.34" 10.8 kg

C45: 560-710 N/mm²

1000 kN/m max.



FX: 795 mm - 31.29"

mm: 100-250-20-25-30-35-40-45-50 -200

in: 3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.96-7.87



F: 805 mm - 31.69"

mm: 200-50-40-20-15-10-370-100

in: 7.87-1.97-1.57-0.78-0.59-0.39-14.56-3.94



Pre rozšírenie portfólia predstavujeme spodné nástroje CFH série. Majú totožné rozmery s nástrojmi Amada. Spodné nástroje CFH sú dostupné v rozsahu od 86° do 30°, dĺžky 835 mm, 510 mm, 415 mm, 200 mm. Segmentované v dĺžkach 800 mm, 795 mm a 370 mm. Vyrobené sú z 42CrMo4.

Dostupnosť na vyžiadanie:

510 mm | 20.08"

200 mm | 7.87"

370 mm | 14.57" mm: 100-300-150-50-40-20-15-15-10-100

in: 3.94-11.81-5.90-1.96-1.57-0.79-0.59-0-59-0.39-3.94

CFH60.06.86

835 mm 32.87" 5.1 kg
415 mm 16.34" 2.5 kg
800 mm 31.50" 4.8 kg F

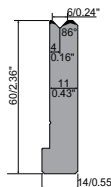
86° >



42Cr:900-1500 N/mm²
800 kN/m max.

86°
H=60 | R=1.5 | V=6 mm
H=2.36 | R=0.059 | V=0.23 in

NOVINKA



CFH60.08.86

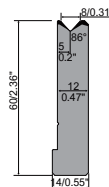
835 mm 32.87" 5.1 kg
415 mm 16.34" 2.5 kg
800 mm 31.50" 4.8 kg F



42Cr:900-1500 N/mm²
900 kN/m max.

86°
H=60 | R=1.5 | V=8 mm
H=2.36 | R=0.059 | V=0.31 in

NOVINKA



CFH60.10.86

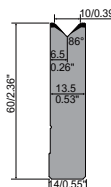
835 mm 32.87" 5.3 kg
415 mm 16.34" 2.6 kg
800 mm 31.50" 5.0 kg F



42Cr:900-1500 N/mm²
1000 kN/m max.

86°
H=60 | R=2 | V=10 mm
H=2.36 | R=0.079 | V=0.39 in

NOVINKA



CFH60.12.86

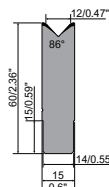
835 mm 32.87" 5.5 kg
415 mm 16.34" 2.7 kg
800 mm 31.50" 5.2 kg F



42Cr:900-1500 N/mm²
650 kN/m max.

86°
H=60 | R=2.5 | V=12 mm
H=2.36 | R=0.098 | V=0.47 in

NOVINKA



CFH60.14.86

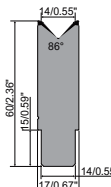
835 mm 32.87" 6.2 kg
415 mm 16.34" 3.0 kg
800 mm 31.50" 5.8 kg F



42Cr:900-1500 N/mm²
1000 kN/m max.

86°
H=60 | R=2.5 | V=14 mm
H=2.36 | R=0.098 | V=0.55 in

NOVINKA



CFH60.16.86

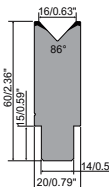
835 mm 32.87" 7.0 kg
415 mm 16.34" 3.4 kg
800 mm 31.50" 6.6 kg F



42Cr:900-1500 N/mm²
1000 kN/m max.

86°
H=60 | R=2.5 | V=16 mm
H=2.36 | R=0.098 | V=0.63 in

NOVINKA



F: 800 mm - 21.49"

mm: 100-10-15-15-20-40-50-150-400

in: 3.94-0.39-0.59-0.59-0.79-1.57-1.97-5.90-15.74

Zaregistrujte sa na www.rolleri.sk.



Rolleri stránku môžete využívať na kontrolu dodacích termínov, prehľad skladových zásob a zároveň budete informovaný o našich novinkách. Sami si overíte ceny a priamo môžete zadávať objednávky.

CFH60.18.86

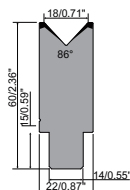
835 mm 32.87" 7.4 kg
415 mm 16.34" 3.6 kg
800 mm 31.50" 7.0 kg F

42Cr:900-1500 N/mm²
1000 kN/m max.

86°

H=60 | R=2.5 | V=18 mm
H=2.36 | R=0.098 | V=0.71 in

NOVINKA



CFH60.20.86

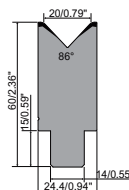
835 mm 32.87" 8.0 kg
415 mm 16.34" 3.9 kg
800 mm 31.50" 7.5 kg F

42Cr:900-1500 N/mm²
1000 kN/m max.

86°

H=60 | R=3 | V=20 mm
H=2.36 | R=0.118 | V=0.79 in

NOVINKA



CFH60.25.86

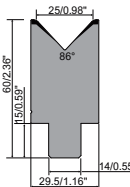
835 mm 32.87" 9.5 kg
415 mm 16.34" 4.6 kg
800 mm 31.50" 9.0 kg F

42Cr:900-1500 N/mm²
1000 kN/m max.

86°

H=60 | R=3 | V=25 mm
H=2.36 | R=0.118 | V=0.98 in

NOVINKA



CFH.60.04.30

30° >

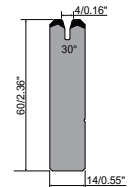
835 mm 32.87" 5.8 kg
415 mm 16.34" 2.9 kg
800 mm 31.50" 5.6 kg F

42Cr:900-1500 N/mm²
300 kN/m max.

30°

H=60 | R=1 | V=4 mm
H=2.36 | R=0.039 | V=0.16 in

NOVINKA



CFH.60.06.30

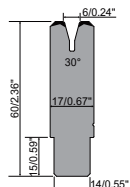
835 mm 32.87" 6.3 kg
415 mm 16.34" 3.1 kg
800 mm 31.50" 6.0 kg F

42Cr:900-1500 N/mm²
300 kN/m max.

30°

H=60 | R=1 | V=6 mm
H=2.36 | R=0.039 | V=0.24 in

NOVINKA



CFH.60.08.30

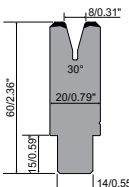
835 mm 32.87" 6.8 kg
415 mm 16.34" 3.4 kg
800 mm 31.50" 6.6 kg F

42Cr:900-1500 N/mm²
350 kN/m max.

30°

H=60 | R=1.5 | V=8 mm
H=3.15 | R=0.059 | V=0.31 in

NOVINKA



CFH.60.10.30

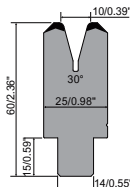
835 mm 32.87" 8.0 kg
415 mm 16.34" 3.9 kg
800 mm 31.50" 7.7 kg F

42Cr:900-1500 N/mm²
350 kN/m max.

30°

H=60 | R=2 | V=10 mm
H=2.36 | R=0.079 | V=0.39 in

NOVINKA



CFH.60.12.30

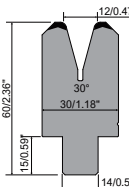
835 mm 32.87" 9.2 kg
415 mm 16.34" 4.6 kg
800 mm 31.50" 8.8 kg F

42Cr:900-1500 N/mm²
350 kN/m max.

30°

H=60 | R=2.5 | V=12 mm
H=3.15 | R=0.098 | V=0.47 in

NOVINKA



F: 800 mm - 21.49"

mm: 100-10-15-15-20-40-50-150-400

in: 3.94-0.39-0.59-0.59-0.79-1.57-1.97-5.90-15.74



Stiahnite si Rolleri aplikáciu **Bending App**.

Taktiež zadarmo získate náš software týkajúci sa zásad ohraňovania. Používaním tejto aplikácie môžete bez problémov zoscanovať QR kódy v tomto katalogu.

Pre rozšírenie portfólia predstavujeme spodné nástroje CFH série. Majú totožné rozmery s nástrojmi Amada. Spodné nástroje CFH sú dostupné v rozsahu od 86° do 30°, dĺžky 835 mm, 510 mm, 415 mm, 200 mm. Segmentované v dĺžkach 800 mm, 795 mm a 370 mm. Vyrobené sú z 42CrMo4.

Dostupnosť na vyžiadanie:

510 mm | 20.08"

200 mm | 7.87"

370 mm | 14.57"

mm: 100-300-150-50-40-20-15-15-10-100

in: 3.94-11.81-5.90-1.96-1.57-0.79-0.59-0-59-0.39-3.94

CFH60.06.86

835 mm 32.87" 5.1 kg
415 mm 16.34" 2.5 kg
800 mm 31.50" 4.8 kg F

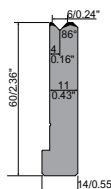
86° >



42Cr:900-1500 N/mm²
800 kN/m max.

86°
H=60 | R=1.5 | V=6 mm
H=2.36 | R=0.059 | V=0.23 in

NOVINKA



CFH60.08.86

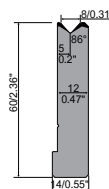
835 mm 32.87" 5.1 kg
415 mm 16.34" 2.5 kg
800 mm 31.50" 4.8 kg F



42Cr:900-1500 N/mm²
900 kN/m max.

86°
H=60 | R=1.5 | V=8 mm
H=2.36 | R=0.059 | V=0.31 in

NOVINKA



CFH60.10.86

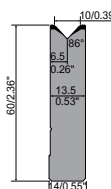
835 mm 32.87" 5.3 kg
415 mm 16.34" 2.6 kg
800 mm 31.50" 5.0 kg F



42Cr:900-1500 N/mm²
1000 kN/m max.

86°
H=60 | R=2 | V=10 mm
H=2.36 | R=0.079 | V=0.39 in

NOVINKA



CFH60.12.86

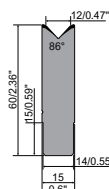
835 mm 32.87" 5.5 kg
415 mm 16.34" 2.7 kg
800 mm 31.50" 5.2 kg F



42Cr:900-1500 N/mm²
650 kN/m max.

86°
H=60 | R=2.5 | V=12 mm
H=2.36 | R=0.098 | V=0.47 in

NOVINKA



CFH60.14.86

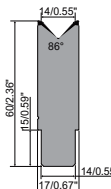
835 mm 32.87" 6.2 kg
415 mm 16.34" 3.0 kg
800 mm 31.50" 5.8 kg F



42Cr:900-1500 N/mm²
1000 kN/m max.

86°
H=60 | R=2.5 | V=14 mm
H=2.36 | R=0.098 | V=0.55 in

NOVINKA



CFH60.16.86

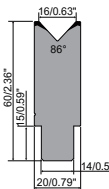
835 mm 32.87" 7.0 kg
415 mm 16.34" 3.4 kg
800 mm 31.50" 6.6 kg F



42Cr:900-1500 N/mm²
1000 kN/m max.

86°
H=60 | R=2.5 | V=16 mm
H=2.36 | R=0.098 | V=0.63 in

NOVINKA



F: 800 mm - 21.49"

mm: 100-10-15-15-20-40-50-150-400

in: 3.94-0.39-0.59-0.59-0.79-1.57-1.97-5.90-15.74

Zaregistrujte sa na www.rolleri.sk.



Rolleri stránku môžete využívať na kontrolu dodacích termínov, prehľad skladových zásob a zároveň budete informovaný o našich novinkách. Sami si overíte ceny a priamo môžete zadávať objednávky.



CFH60.18.86

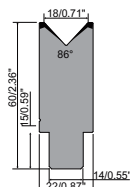
835 mm 32.87" 7.4 kg
415 mm 16.34" 3.6 kg
800 mm 31.50" 7.0 kg F

42Cr:900-1500 N/mm²
1000 kN/m max.

86°

H=60 | R=2.5 | V=18 mm
H=2.36 | R=0.098 | V=0.71 in

NOVINKA



CFH60.20.86

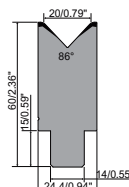
835 mm 32.87" 8.0 kg
415 mm 16.34" 3.9 kg
800 mm 31.50" 7.5 kg F

42Cr:900-1500 N/mm²
1000 kN/m max.

86°

H=60 | R=3 | V=20 mm
H=2.36 | R=0.118 | V=0.79 in

NOVINKA



CFH60.25.86

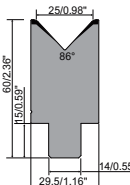
835 mm 32.87" 9.5 kg
415 mm 16.34" 4.6 kg
800 mm 31.50" 9.0 kg F

42Cr:900-1500 N/mm²
1000 kN/m max.

86°

H=60 | R=3 | V=25 mm
H=2.36 | R=0.118 | V=0.98 in

NOVINKA



CFH.60.04.30

30° >

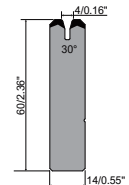
835 mm 32.87" 5.8 kg
415 mm 16.34" 2.9 kg
800 mm 31.50" 5.6 kg F

42Cr:900-1500 N/mm²
300 kN/m max.

30°

H=60 | R=1 | V=4 mm
H=2.36 | R=0.039 | V=0.16 in

NOVINKA



CFH.60.06.30

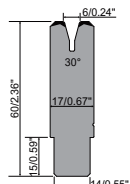
835 mm 32.87" 6.3 kg
415 mm 16.34" 3.1 kg
800 mm 31.50" 6.0 kg F

42Cr:900-1500 N/mm²
300 kN/m max.

30°

H=60 | R=1 | V=6 mm
H=2.36 | R=0.039 | V=0.24 in

NOVINKA



CFH.60.08.30

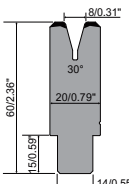
835 mm 32.87" 6.8 kg
415 mm 16.34" 3.4 kg
800 mm 31.50" 6.6 kg F

42Cr:900-1500 N/mm²
350 kN/m max.

30°

H=60 | R=1.5 | V=8 mm
H=3.15 | R=0.059 | V=0.31 in

NOVINKA



CFH.60.10.30

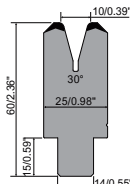
835 mm 32.87" 8.0 kg
415 mm 16.34" 3.9 kg
800 mm 31.50" 7.7 kg F

42Cr:900-1500 N/mm²
350 kN/m max.

30°

H=60 | R=2 | V=10 mm
H=2.36 | R=0.079 | V=0.39 in

NOVINKA



CFH.60.12.30

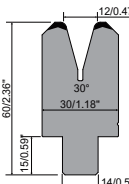
835 mm 32.87" 9.2 kg
415 mm 16.34" 4.6 kg
800 mm 31.50" 8.8 kg F

42Cr:900-1500 N/mm²
350 kN/m max.

30°

H=60 | R=2.5 | V=12 mm
H=3.15 | R=0.098 | V=0.47 in

NOVINKA



F: 800 mm - 21.49"

mm: 100-10-15-15-20-40-50-150-400

in: 3.94-0.39-0.59-0.59-0.79-1.57-1.97-5.90-15.74



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Slovenské vydanie 2.0 | 2023

Rolleri Slovensko

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