ROLLERI

TOOLING LAB

LASER CONSUMABLES

PUNCHING TOOLS - IRON WORKER

SHEAR BLADES

PANEL BENDING TOOLS

BENDING

R1 TOOLS TYPE



ISO 9001 - ISO 45001
CERTIFIED
COMPANY

Scan the QRCode or click on it and watch the video. You can follow our official Youtube channel www.youtube.com/Rollerispa or watch the video on our web site www.rolleritools.com/media



Download Rolleri **Bending App.**
You will also get our sheet metal unfolding software for free and our bending rule.
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The **Bending handbook** target is to supply practicle and useful information to reach quickly the required result. A lot of examples, easy formulas and information which explain the proper attitude towards the bending process.

Create your account on www.rolleritools.com
You can use Rolleri website to check the delivery time, request quotes, stay update with the news, check prices and place orders directly.

Click on the QRCode near the codes or scan it to check prices and delivery time.

Check the standard sectioning available. Customized sectioning is also available on request. sales@rolleri.it to know more about price and availability.

BENDING TOOLS

R1 TOOLS TYPE

Compatible with press brakes: 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,...

R2-R3 TOOLS TYPE

Compatible with press brakes: Darley, LVD, Safan, Trumpf and press brakes with NSCL system, Bystronic Beyeler RFA, RF, R, S

R4 TOOLS TYPE

Compatible with press brakes: LVD

R5 TOOLS TYPE

Compatible with press brakes: American

R6 TOOLS TYPE

Compatible with press brakes: Hämmerle-Bystronic

R7 TOOLS TYPE

Compatible with press brakes: Colly

R8 TOOLS TYPE

Compatible with press brakes: Colgar

R9 TOOLS TYPE

Compatible with press brakes: Gasparini (axial)

R10 TOOLS TYPE

Compatible with press brakes: Ajial Axial

Rx TOOLS TYPE

Compatible with press brakes: EHT, Ursviken and Weinbrenner

ROLLERI TECH, MODIFICATIONS AND SERVICES

Compatible with all types of press brakes

CLAMPING SYSTEMS, INTERMEDIATES AND ADAPTERS

Compatible with all types of press brakes

ROLLA-V AND SPECIAL DIES

Compatible with all types of press brakes

MARK FREE BENDING AND ACCESSORIES

Compatible with all types of press brakes

PANEL BENDING TOOLS

SHEAR BLADES

PUNCHING TOOLS

R1 TOOLS TYPE

Compatible with punching machines Amada, Amada ABS, Wilson HP, Wilson HP WLS, Mate Ultra Tec

R2 TOOLS TYPE

Compatible with Trumpf punching machines

RS TOOLS TYPE

Compatible with Salvagnini punching machines

SPECIAL TOOLS

Compatible with different types of punching machines

ACCESSORIES

Compatible with different types of punching machines

IRON WORKER

Iron cutting tools

LASER CONSUMABLES

Find out more about our wide range of laser consumables: one of the most complete in the market

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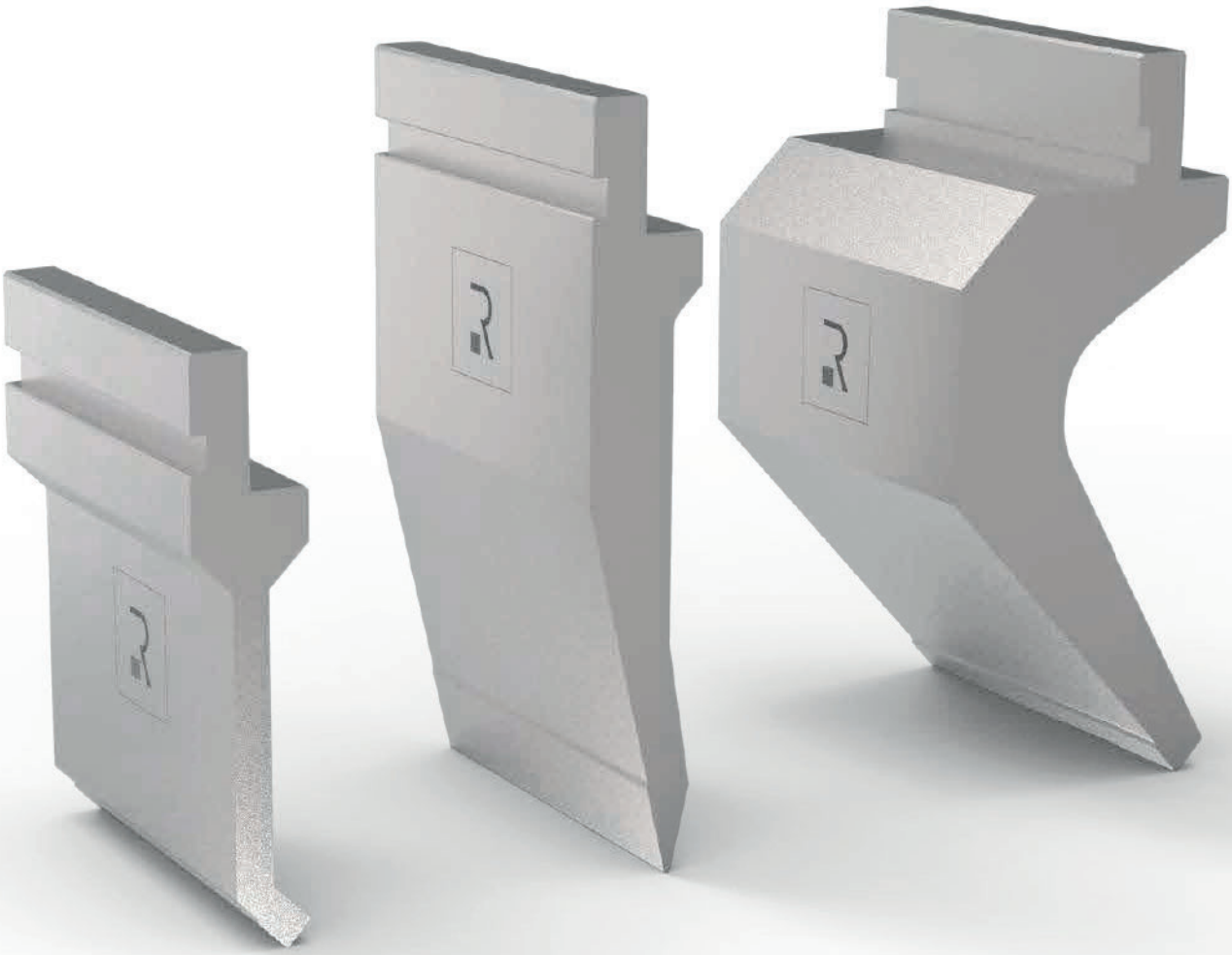
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R1

PUNCHES

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,...

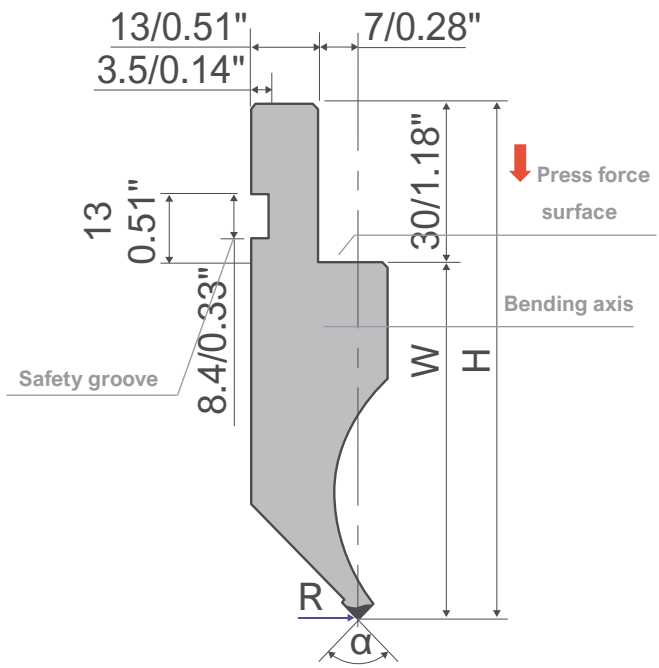
Our tool codes are listed according to the **tool angle**



STANDARD TANG

Punches are standardized with a 8.4 x 3.5 mm *0.33 x 1.37"* safety groove, which keeps the tool from falling out.

Depending on the clamping system, horizontal or vertical tool change is possible.



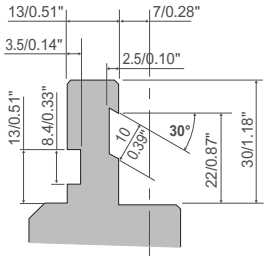
STANDARD LENGTH

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

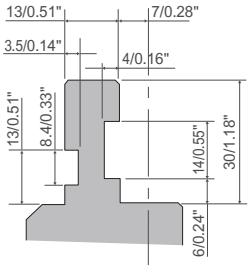
○ available for some tool models only

Rolleri BLACKFIRE is a surface treatment against steel oxidation. This chemical treatment is a long-term solution against oxidation and rust.

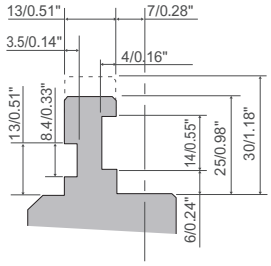
SAFETY GROOVES MODIFICATION



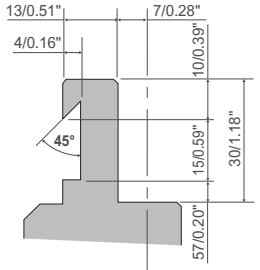
A1: Groove added for pneumatic system further to 8.4x3.5mm *0.33x1.37"* groove



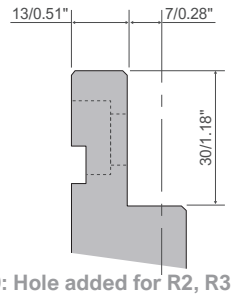
A6: Groove added for R3, Bystronic-Beyeler Euro and Safan tang further to 8.4x3.5mm *0.33x1.37"* groove



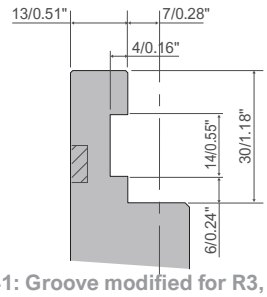
A7: Groove added and tang modified for R3 Bystronic-Beyeler Euro and Safan tang further to 8.4x3.5mm *0.33x1.37"* groove



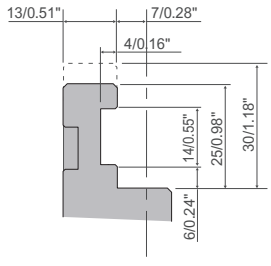
A8: Groove for Gasparini hydraulic clamping system



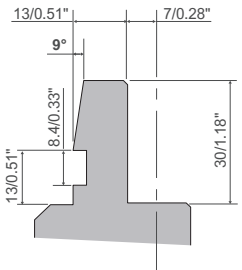
A9: Hole added for R2, R3 and RX tangs



A41: Groove modified for R3, Bystronic-Beyeler Euro and Safan tang



A42: Groove modified and tang modified for R3, Bystronic-Beyeler Euro and Safan tang

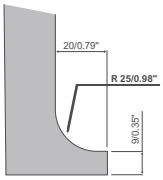
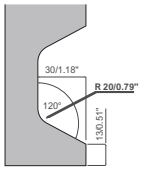
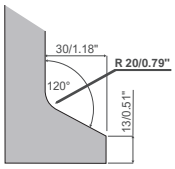
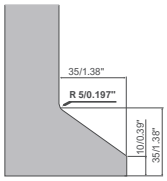
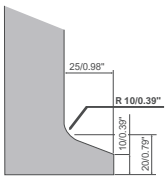
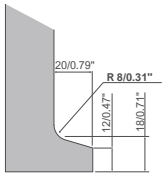
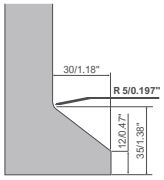
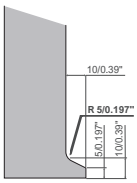


OT: Modification for Amada fast clamping system

Rolleri FREEZINC is a surface treatment to avoid metal residues of galvanized steel or aluminium from remaining on tools during bending. Tools are also protected from oxidation and you don't need to clean them anymore.

HORN TYPES

Check the standard horn in each code. All the other horns are available on request based on the Series of the tool - check the feasibility with sales@rolleri.it

	TOP	CLASSIC	A	CFH
 1		●	●	●
 2	●			
 2/A	●			
 3		●	●	●
 4		●	●	●
 5		●	●	
 6		●	●	
 7		●	●	

SEGMENTATION

Customized sectioning is also available on request.
sales@rolleri.it to know more about price and availability.

◁ = horn left ▷ = horn right

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▷



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Create your account on www.rolleritools.com
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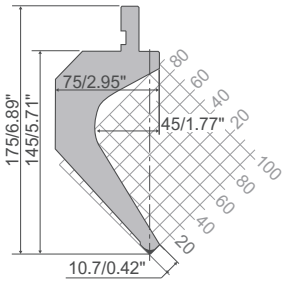
TOP.175.85.R08

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

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

85°
W=145 | H=175 | R=0.8 mm
W=5.71 | H=6.89 | R=0.031 in

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.
Horn 2

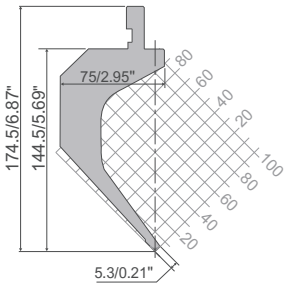
85°
W=144.30 | H=174.30 | R=2 mm
W=5.71 | H=6.89 | R=0.031 in

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.
Horn 2

85°
W=144.5 | H=174.5 | R=0.8 mm
W=5.69 | H=6.87 | R=0.031 in



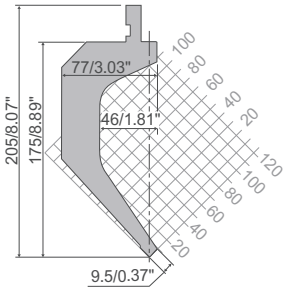


TOP.205.85.R08

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

42Cr: 900-1150 N/mm²
700 kN/m max.
Horn 2

85°
W=175 | H=205 | R=0.8 mm
W=6.89 | H=8.07 | R=0.031 in





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.
Horn 2

85°
W=174.30 | H=204.30 | R=2 mm
W=6.86 | H=8.04 | R=0.079 in

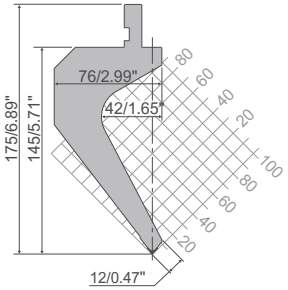
TOP.175.75.R08

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

42Cr: 900-1150 N/mm²
750 kN/m max.
Horn 2

75°
W=145 | H=175 | R=0.8 mm
W=5.71 | H=6.89 | R=0.031 in

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.
Horn 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▷



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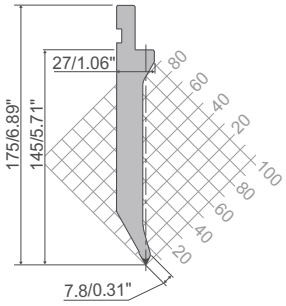
TOP.175.60.R08

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

60° >

42Cr: 900-1150 N/mm²
800 kN/m max.
Horn 2

60°
W=145 | H=175 | R=0.8 mm
W=5.71 | H=6.89 | R=0.031 in





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.
Horn 2

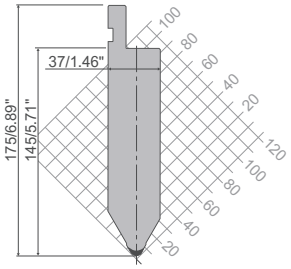
60°
W=143.80 | H=173.80 | R=2 mm
W=5.66 | H=6.84 | R=0.079 in

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

42Cr: 900-1150 N/mm²
1600 kN/m max.
Horn 2

60°
W=145 | H=175 | R=5 mm
W=5.71 | H=6.89 | R=0.20 in





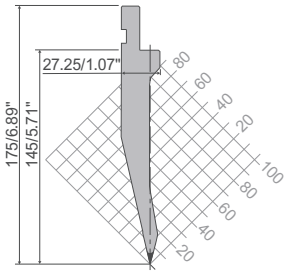
TOP.175.26.R08

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

26° >

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

26°
W=145 | H=175 | R=0.8 mm
W=5.71 | H=6.89 | R=0.031 in



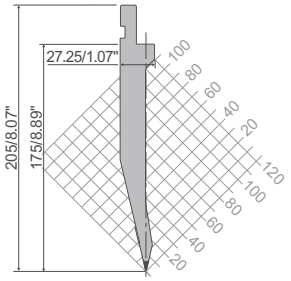


TOP.205.26.R08

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

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

26°
W=175 | H=205 | R=0.8 mm
W=6.89 | H=8.07 | R=0.031 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⧐

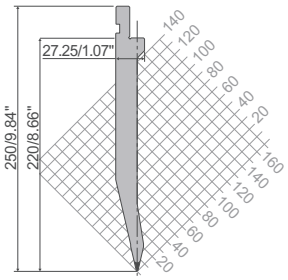


TOP.250.26.R1

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.
Horn 2

26°
W=220 | H=250 | R=1 mm
W=8.66 | H=9.84 | R=0.039 in





Hemming tools TOP series

Hemming tools are used to prebend and afterwards flatten a sheet metal edge by using the same tool set.

Thanks to this operation you can strengthen sheet metal edges and avoid burr on their external side. For this reason, this operation is especially used for safety reason, in order to avoid operators' accidental injuries which may occur to those who have to handle sheet metal parts.

The maximum sheet metal thickness usually recommended for this operation is 3mm mild steel and 2mm stainless steel. However, for thicker sheet metal special solutions can be proposed, which consider the necessary bending force involved to flatten.

There are 2 types of flattening: partial flattening and total flattening.

Partial flattening is a kind of flattening which doesn't win against the sheet metal springback. For this reason, if you measure the flattened point, it won't be twice the sheet metal thickness but a bigger measure; for example, if you flatten 1.5mm partially, the flattened point will be about 4mm. This dimension depends on the bending force only. Hence, if you want to flatten 1.5mm mild steel and get 3mm high flattened point, you have to increase the tonnage.

In the table below you can check the necessary tonnage according to sheet metal thickness and type.

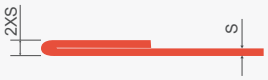
The choice of hemming tools should be influenced by the sheet metal type to be flattened; 35° punch and dies are recommended to flatten aluminium and mild steel, which have small springback, whereas more resitant sheet metal types like stainless steel require at least 30°, or better 26°, punch and die.

Springback control is fundamental to win against sheet metal resistance during the flattening phase. In fact, if the angle obtained during the pre-bending phase is too wide, sheet metal will slip towards the operator during the flattening phase.

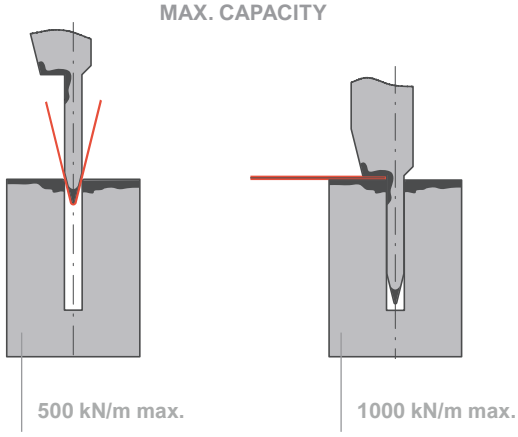
The choice of TOP series hemming tools with dies with U shape opening has to take into consideration the fact that the U opening of the die has to match perfectly with the punch tip width. These tools are 525mm long and the sectioned set is also available.



S mm	S *in*	A mm	A *in*	R.420 N/mm² kN/m	R.700 N/mm² 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 mm	S *in*	A mm	A *in*	R.420 N/mm² kN/m	R.700 N/mm² 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



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⧐



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TOP150.30.R12

500 mm *19.68"* 8.75 kg
550 mm *21.65"* 9.62 kg FW

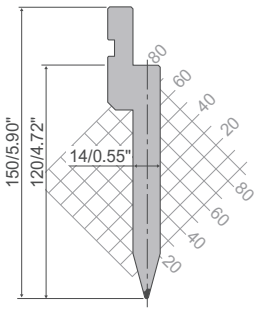
C45: 560-710 N/mm²
1000 kN/m max.

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

NEW

30° >

To use with:
SM55.14.30/C
SM55.12.30/C





TOP.SP.134.28.8

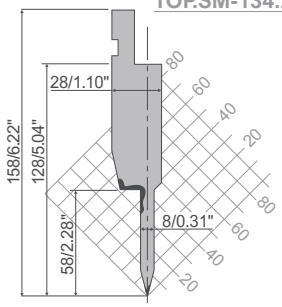
525 mm *20.67"* 12.0 kg
495 mm *19.49"* 11.3 kg FA

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

28° >

To use with:
TOP.SM-134.28.8
TOP.SM-134.24.8





TOP.SP.134.24.8

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

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

24° >

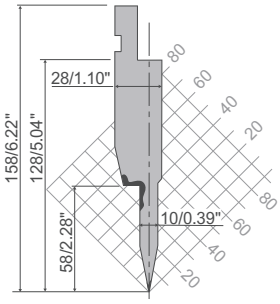
TOP.SP.134.24.10

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

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

To use with:
TOP.SM-134.24.10





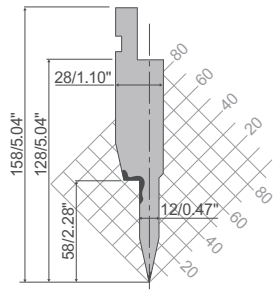
TOP.SP.134.24.12

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

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

To use with:
TOP.SM-134.24.12





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⧐

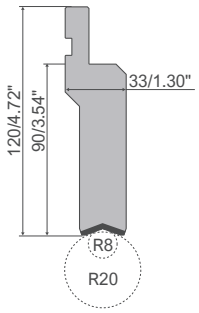


TOP.PC.120-08

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



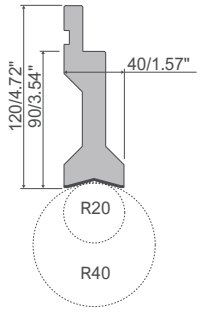


TOP.PC.120-20

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





RADIUS TOOLS: R08-R40

	R mm	R *in*	525 mm *20.67 in*	FA
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



The **Bending handbook** target is to supply practicle and useful information to reach quickly the required result. A lot of examples, easy formulas and information which explain the proper attitude towards the bending process.

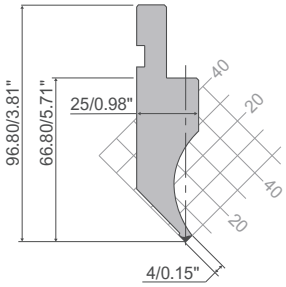
PK.97.90.R06

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

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

90°
W=66.80 | H=96.80 | R=0.6 mm
W=5.71 | H=3.81 | R=0.024 in

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.
Horn 1

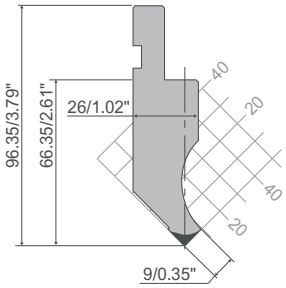
90°
W=66.80 | H=96.80 | R=0.25 mm
W=5.71 | H=3.81 | R=0.010 in

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

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

90°
W=66.35 | H=96.35 | R=0.8 mm
W=2.61 | H=3.79 | R=0.031 in





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.
Horn 1

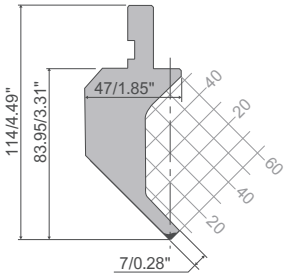
90°
W=66.35 | H=96.35 | R=0.25 mm
W=2.61 | H=3.79 | R=0.010 in

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.
Horn 2

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



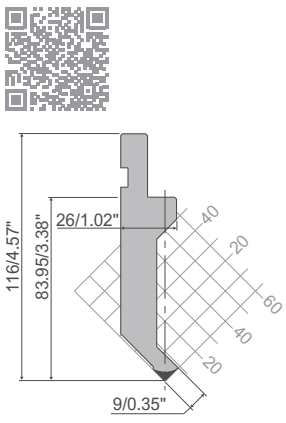


PK.116.90.R08

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.
Horn 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⧐

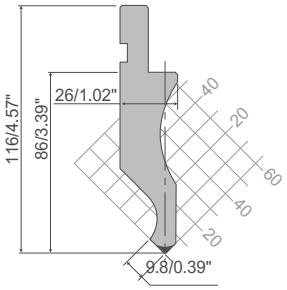


DK.116.90.R08

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.
Horn 1

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



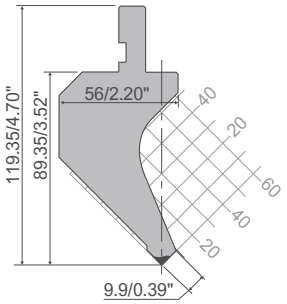


PK.120.90.R08

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.
Horn 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.
Horn 1

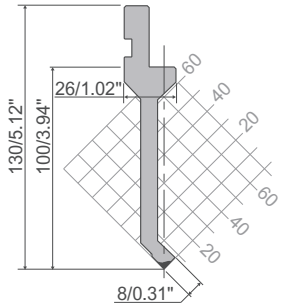
90°
W=89.6 | H=119.6 | R=0.25 mm
W=3.53 | H=4.71 | R=0.010 in

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.
Horn 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.
Horn 1

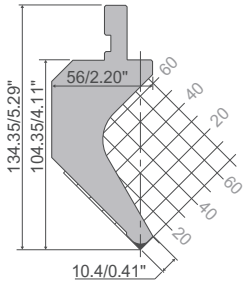
90°
W=100 | H=130 | R=0.25 mm
W=3.94 | H=5.12 | R=0.010 in

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.
Horn 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.
Horn 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



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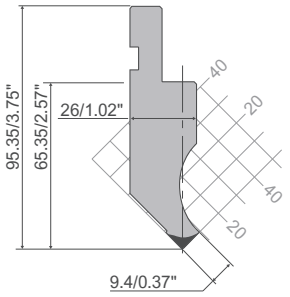
P.95.88.R3

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.
Horn 1

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



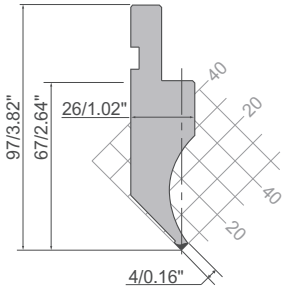


P.97.88.R06

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

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

88°
W=67.00 | H=97.00 | R=0.6 mm
W=2.64 | H=3.82 | R=0.024 in





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.
Horn 1

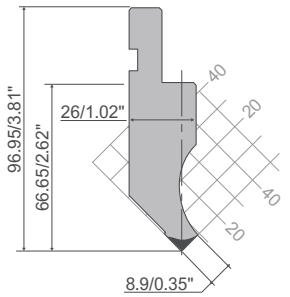
88°
W=66.95 | H=96.95 | R=0.25 mm
W=2.64 | H=3.82 | R=0.010 in

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

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

88°
W=66.65 | H=96.65 | R=0.8 mm
W=2.62 | H=3.81 | R=0.031 in





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.
Horn 1

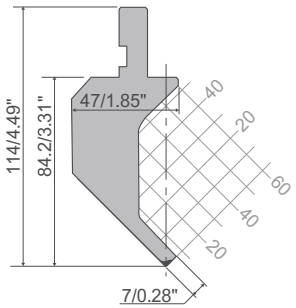
88°
W=66.60 | H=96.60 | R=0.25 mm
W=2.62 | H=3.80 | R=0.010 in

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.
Horn 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⧐

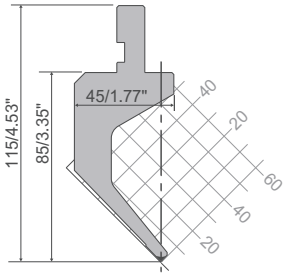


P.115.88.R06

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.
Horn 1

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



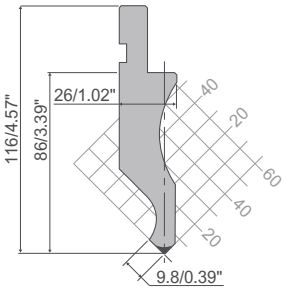


D.116.88.R08

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.
Horn 1

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



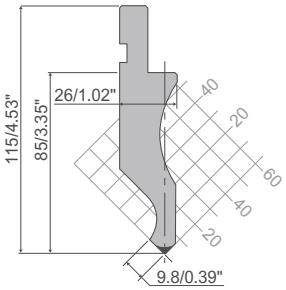


D.116.88.R3

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.
Horn 1

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

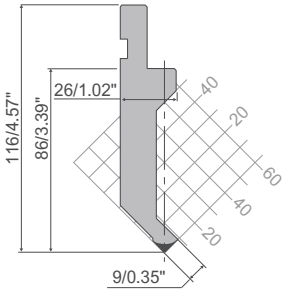


P.116.88.R08

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.
Horn 1

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



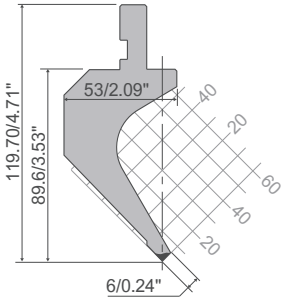


PS.120.88.R08

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.
Horn 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⧐



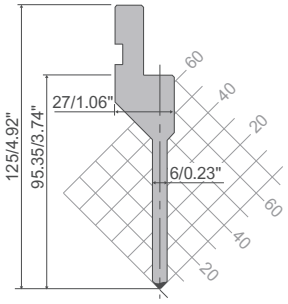
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P.125.88.R025

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.
Horn 1

88°
W=95.35 | H=125 | R=0.25 mm
W=3.74 | H=4.92 | R=0.010 in



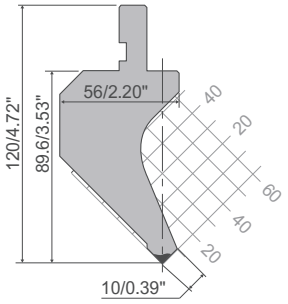


P.120.88.R08

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.
Horn 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.
Horn 1

88°
W=89.6 | H=120.0 | R=0.25 mm
W=3.53 | H=4.72 | R=0.010 in

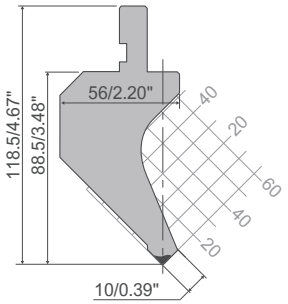


P.120.88.R3

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.
Horn 1

88°
W=88.50 | H=118.50 | R=3 mm
W=3.48 | H=4.67 | R=0.118 in



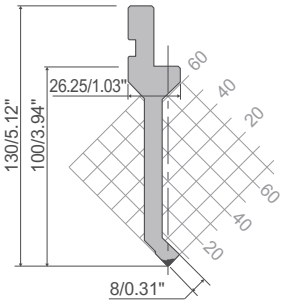


P.130.88.R06

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.
Horn 1

88°
W=100 | H=130 | R=0.6 mm
W= 3.94 | H=5.12 | R=0.024 in



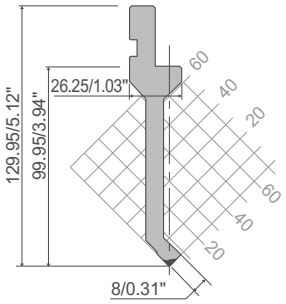


PK.130.88.R025

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.
Horn 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⧐

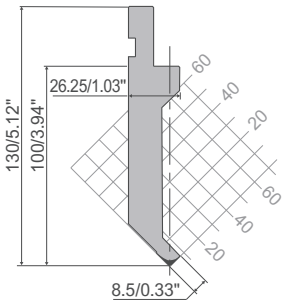


P.130.88.R08

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.
Horn 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.
Horn 1

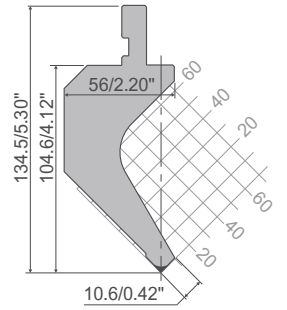
88°
W=100.0 | H=130.0 | R=0.25 mm
W=3.94 | H=5.12 | R=0.010 in

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.
Horn 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.
Horn 1

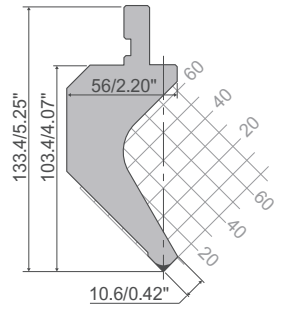
88°
W=104.6 | H=134.5 | R=0.25 mm
W=4.12 | H=5.30 | R=0.010 in

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.
Horn 1

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



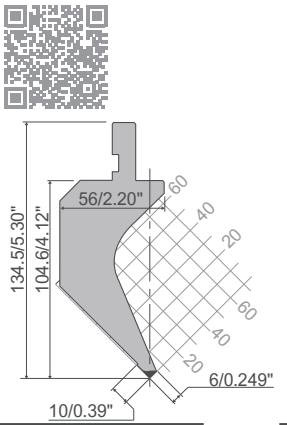


PS.135.88.R08

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.
Horn 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⧐



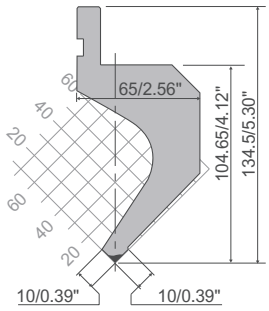
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PR.135.88.R08

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.
Horn 1

88°
W=104.65 | H=134.5 | R=0.8 mm
W=4.12 | H=5.30 | R=0.031 in



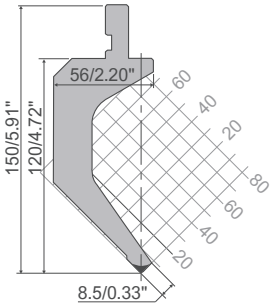


P.150.88.R08

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.
Horn 1

88°
W=120.0 | H=150.0 | R=0.8 mm
W=4.72 | H=5.91 | R=0.031 in



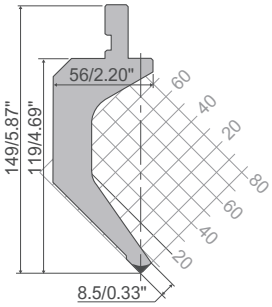


P.150.88.R3

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.
Horn 1

88°
W=119.0 | H=149.0 | R=3.0 mm
W=4.69 | H=5.87 | R=0.118 in

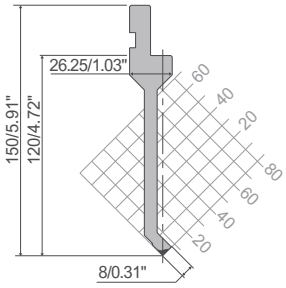


P.150.88.R06

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.
Horn 1

88°
W=120.0 | H=150.0 | R=0.6 mm
W=4.72 | H=5.91 | R=0.024 in



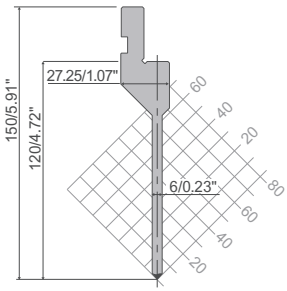


P.150.88.R025

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.
Horn 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⧐

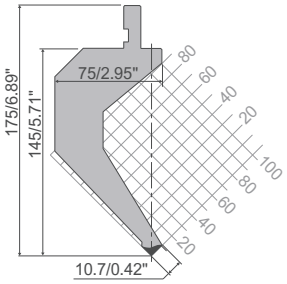


P.175.88.R08

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.
Horn 1

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



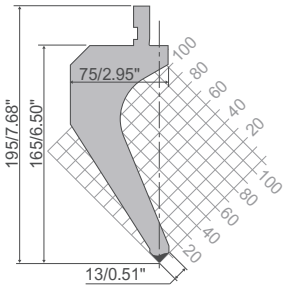


P.195.88.R08

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.
Horn 1

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



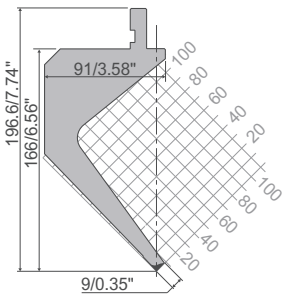


P.196.88.R06

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.
Horn 1

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





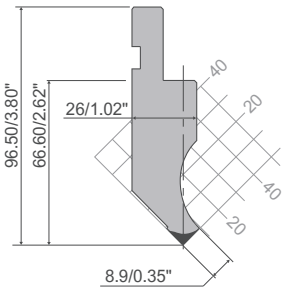
P.97.85.R08

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.
Horn 1

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

85° >



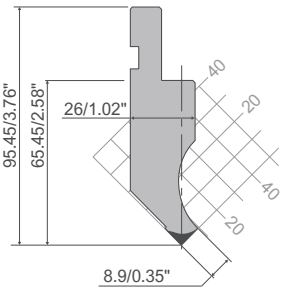


PK.95.85.R3

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.
Horn 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⧐



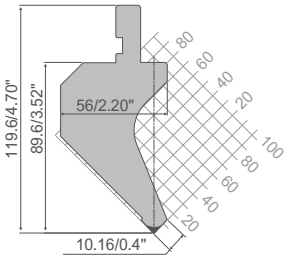
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PK.120.85.R08

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.
Horn 1

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



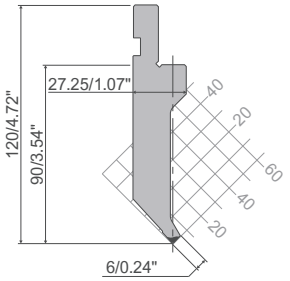


P.120.85.R1

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.
Horn 1

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



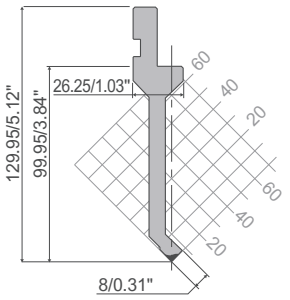


P.130.85.R025

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.
Horn 1

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



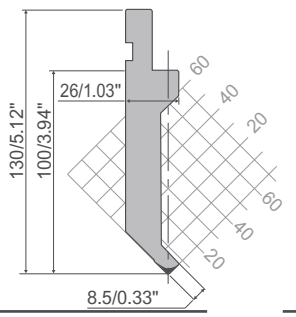


P.130.85.R08

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.
Horn 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⧐

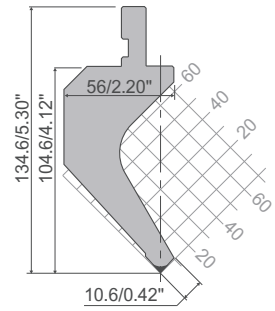


PK.135.85.R08

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.
Horn 1

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



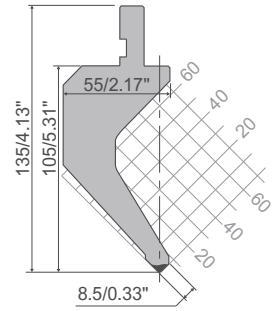


P.135.85.R08

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.
Horn 1

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



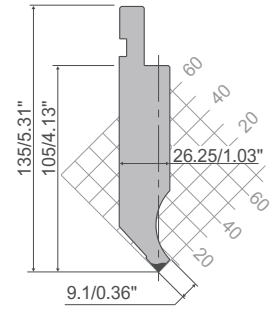


PS.135.85.R08

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.
Horn 1

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



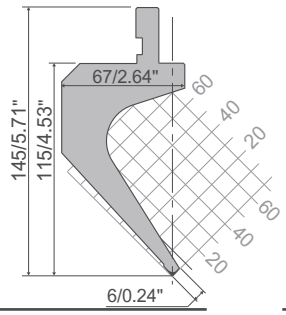


P.145.85.R08

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.
Horn 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⧐



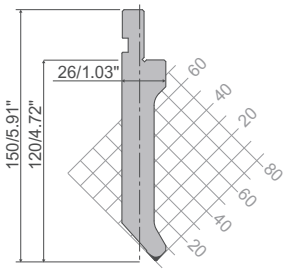
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P.150.85.R1

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.
Horn 1

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



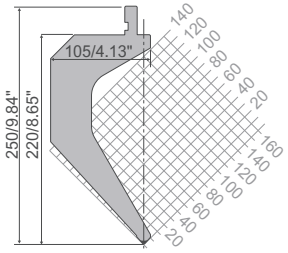


P.250.85.R15

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

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

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





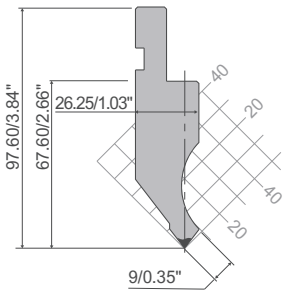
P.97.75.R08

75° >

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

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

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



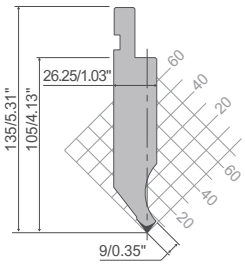


P.135.75.R08

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.
Horn 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⧐



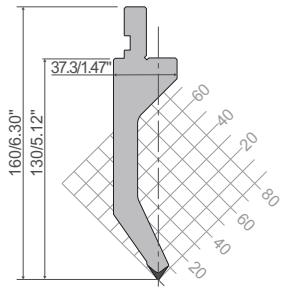
P.160.70.R08

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

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

70°
W=130 | H=160 | R=0.8 mm
W=5.12 | H=6.30 | R=0.031 in

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.
Horn 1

70°
W=130 | H=160 | R=3.0 mm
W=5.12 | H=6.30 | R=0.118 in

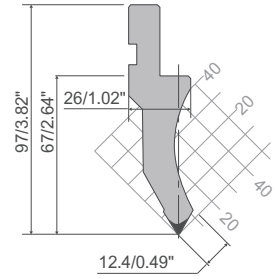
P.97.60.R08

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

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

60°
W=67 | H=97 | R=0.8 mm
W=2.64 | H=3.82 | R=0.031 in

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.
Horn 1

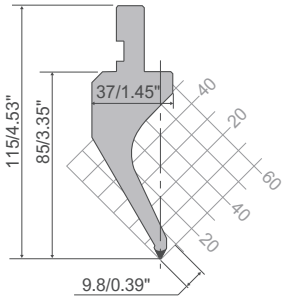
60°
W=67 | H=97 | R=2.0 mm
W=2.64 | H=3.82 | R=0.079 in

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

42Cr: 900-1150 N/mm²
400 kN/m max.
Horn 1

60°
W=85 | H=115 | R=0.8 mm
W=3.35 | H=4.53 | R=0.031 in



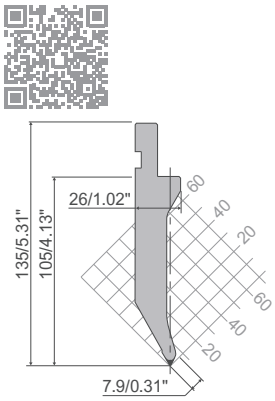


P.135.60.R08

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

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

60°
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⧐



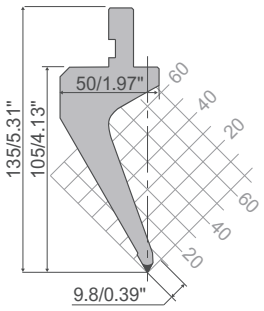
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PG.135.60.R08

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.
Horn 1

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



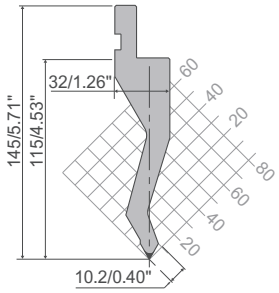


P.145.60.R08

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.
Horn 1

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



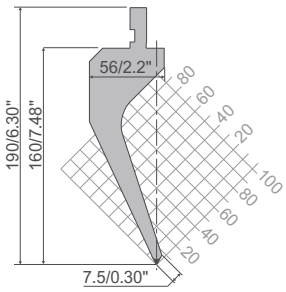


P.190.60.R08

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.
Horn 1

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





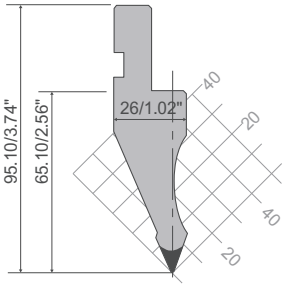
P.95.45.R08

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.
Horn 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.
Horn 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⧐

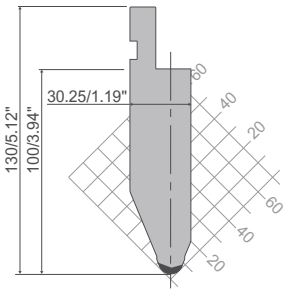


P.130.45.R6

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.
Horn 1

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



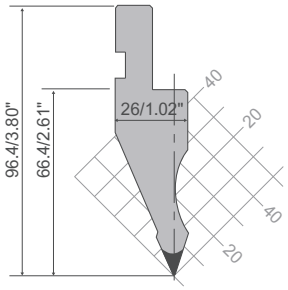


P.97.45.R05

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.
Horn 1

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





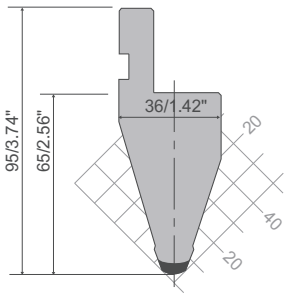
P.95.35.R5

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.
Horn 1

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

35° >



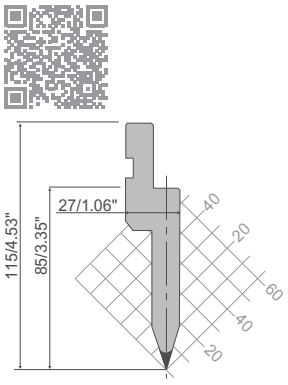


PU.85.35.R08

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.
Horn 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⧐



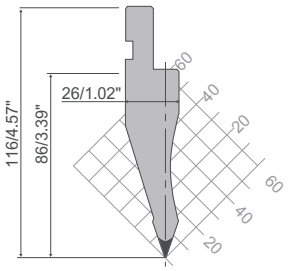
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P.116.35.R08

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.
Horn 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.
Horn 1

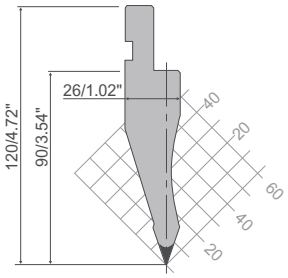
35°
W=86 | H=116 | R=1.5 mm
W=3.39 | H=4.57 | R=0.059 in

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.
Horn 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.
Horn 1

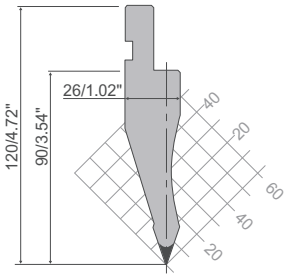
35°
W=90 | H=120 | R=1.5 mm
W=3.54 | H=4.72 | R=0.059 in

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.
Horn 1

35°
W=90 | H=120 | R=3 mm
W=3.54 | H=4.72 | R=0.018 in





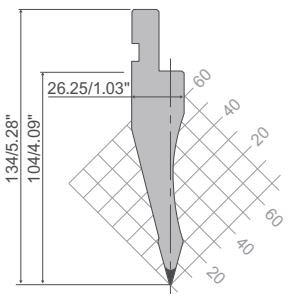
PS.134.30.R08

30° >

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.
Horn 1

30°
W=104 | H=134 | R=0.8 mm
W=4.09 | H=5.28 | 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⧐

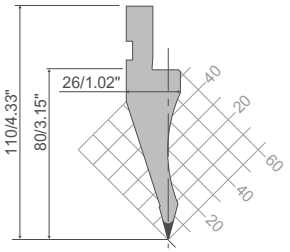


P.110.30.R06

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.
Horn 1

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





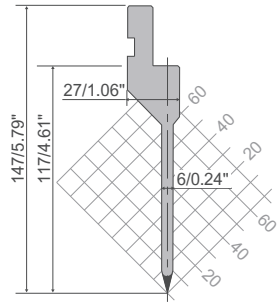
P.147.26.R08

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.
Horn 1

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

26° >



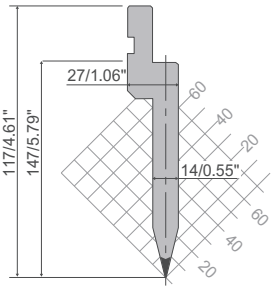


PU.117.26.R08

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.
Horn 1

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



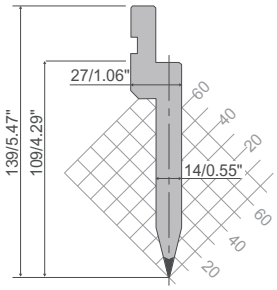


PU.117.26.R3

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.
Horn 1

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

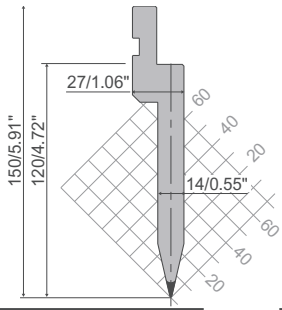


PU.150.26.R08.L

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.
Horn 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⧐



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SCA.M.90.R08

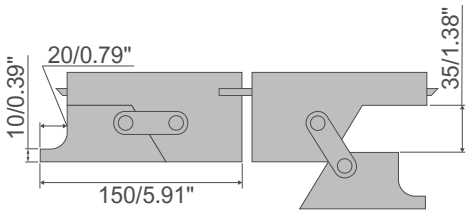
Per pair 3.5 kg

C45: 560-710 N/mm²
150 kN/m max.

90°
H=66.35 | R=0.8 mm
H=2.61 | R=0.031 in

1 pair L/R compatible with
PK.97.90.R08

90° >





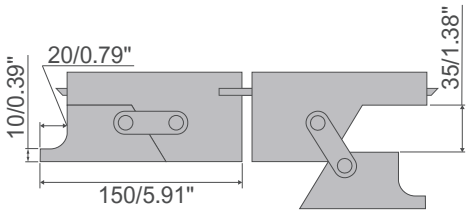
SCA.M.90.R025

Per pair 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 in

1 pair L/R compatible with
PK.97.90.R025





SCA.M.88.R08

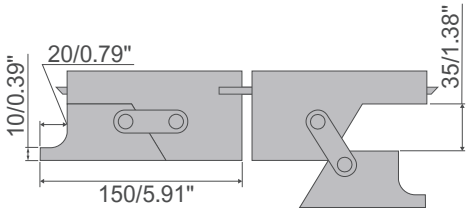
Per pair 3.5 kg

C45: 560-710 N/mm²
150 kN/m max.

88°
H=66.65 | R=0.8 mm
H=2.62 | R=0.031 in

1 pair L/R compatible with
P.97.88.R08

88° >





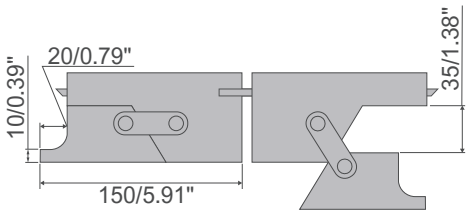
SCA.M.88.R025

Per pair 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 in

1 pair L/R compatible with
PK.97.88.R025





Movable horns are equipped with a swivel pin, which enables the rotation of the horn tip downwards and consequently reduces its length.

During the bending process keep movable horn closed and activate the swivel pin only to remove the bent profile easily and quickly.

Can be produced for these Rolleri R1 tool models:

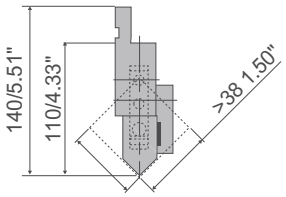
88°	85°	70°	60°	26°
P97.88.R06	TOP.175.85.R08	P.160.70.R08	P.135.60.R08	PU.117.26.R08
P97.88.R08	TOP.205.85.R08		P.145.60.R08	TOP.205.26.R08
P.130.88.R08			TOP.175.60.R08	TOP.175.26.R08
P.150.88.R08				

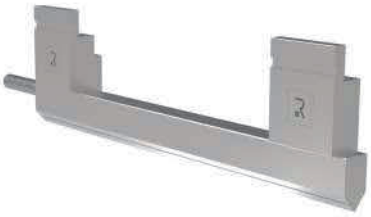
SPE.11

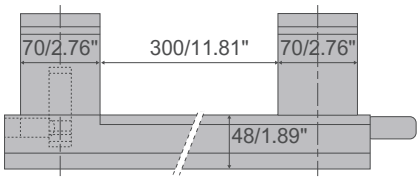
7.0 kg

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



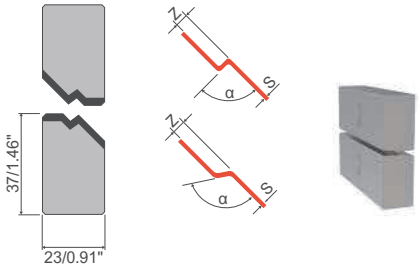


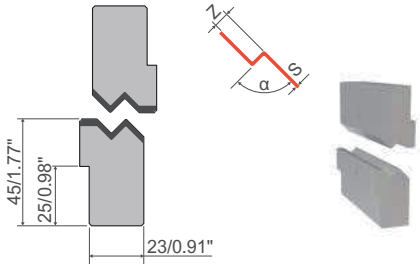


JOGGLE TOOL INSERTS

	Z mm	Z *in*	α	Thickness ! mm	*in*	835 mm *32.87 in*	415 mm *16.34 in*	
CEZ 1.0	1	*0.04*	160°	1.2	*0.05*	11 kg	5.5 kg	160°
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	150°
CEZ 2.5	2.5	*0.10*	140°	1.3	*0.05*	11 kg	5.5 kg	140°
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	90°
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	90°
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 dimensions and angles mentioned in the above table are valid only to bend mild steel with max. tensile strength 420 N/mm².
If you have to bend other sheet metal types, please contact our technical department at rolleritech@rolleritools.com

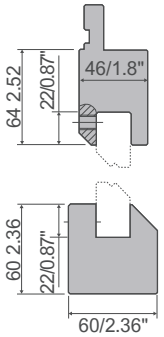
Joggle tools can make two bends at the same time, so the bending process is extremely quick. Furthermore, it is very flexible and convenient, as by using the same CPZ holder you can produce 15 different joggles by changing inserts only. By using CEZ inserts, the bending result is guaranteed.

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CPZ

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

C45: 560-710 N/mm²
1000 kN/m max.



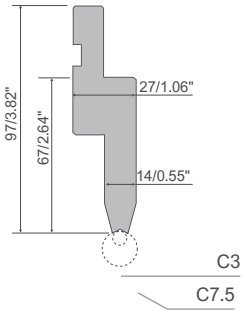


PU.67.14-S

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

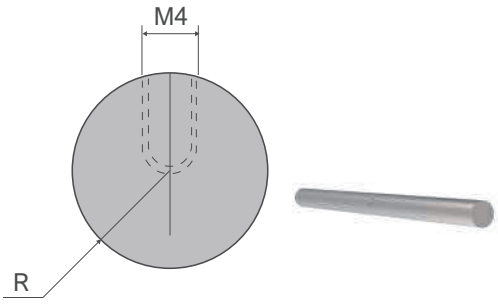




C3 - C7.5

	R mm	R *in*	835 mm *32.87 in*	415 mm *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.



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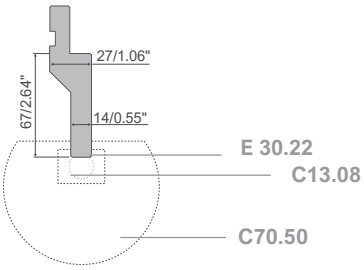


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PU.67.14

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

C45: 560-710 N/mm²
800 kN/m max.

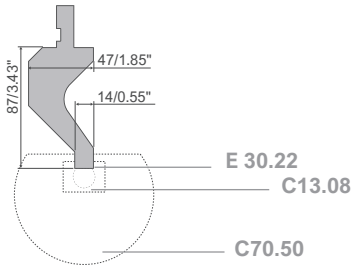




PU.87.14

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

42Cr: 900-1150 N/mm²
500 kN/m max.

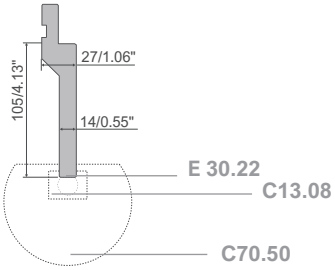




PU.105.14

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

C45: 560-710 N/mm²
800 kN/m max.

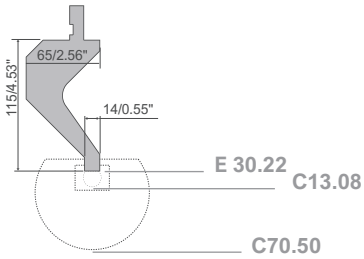




PU.115.14

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

C45: 560-710 N/mm²
500 kN/m max.

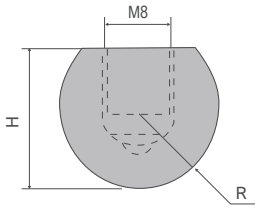




The same holder can be equipped with different radius tools and, in case of PU67.14 and PU105.14, also with E30.22 flat hemming insert to flatten thick sheet metal.
Radius profiles bent with radius tools show a more regular shape and therefore they aesthetically look better.
PU holders and C radius tools have been designed to guarantee the maximum flexibility thanks to the wide range of different radius tools which can be used. For specific needs the same concept can be used for special shapes like U shapes, omega etc..
The assembly system has been studied in order to be flexible and to guarantee the easy and quick radius tool change.

RADIUS TOOLS Ø 16 - 20

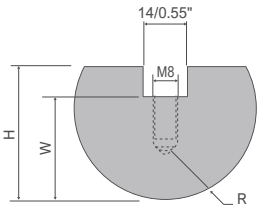
	R mm	*R in*	H mm	*H in*	A mm	*A in*	835 mm *32.87 in*	415 mm *16.34 in*
C13.08	8	*0.31*	13	*0.51*	-	-	2.0 kg	1.0 kg
C13.09	9	*0.35*	16	*0.63*	-	-	2.0 kg	1.0 kg
C16.10	10	*0.39*	16	*0.63*	-	-	2.0 kg	1.0 kg





RADIUS TOOLS Ø 25 - 100

	R mm	*R in*	W mm	*W in*	H mm	*H in*	835 mm *32.87 in*	415 mm *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



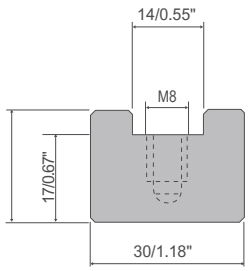


Hemming tools CLASSIC series

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.





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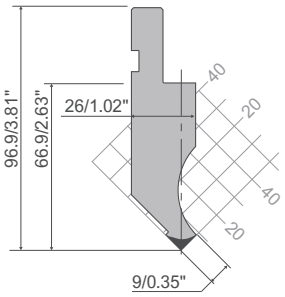
00402

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.
Horn 3

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

88-90° >



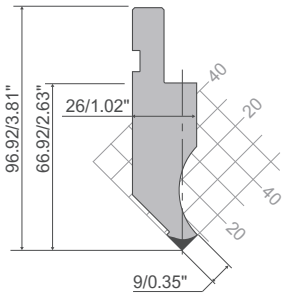


01602

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.
Horn 3

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

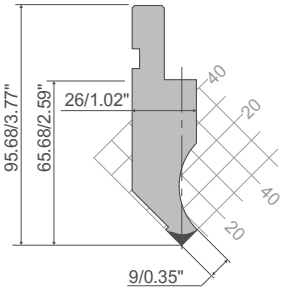


00430

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.
Horn 3

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



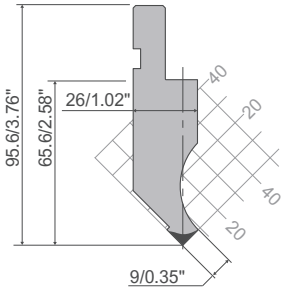


01630

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.
Horn 3

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

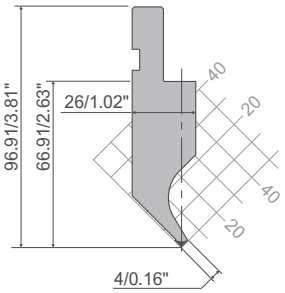


11700

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.
Horn 7

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



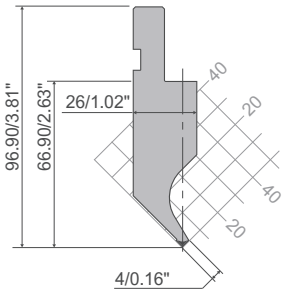


11600

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.
Horn 7

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

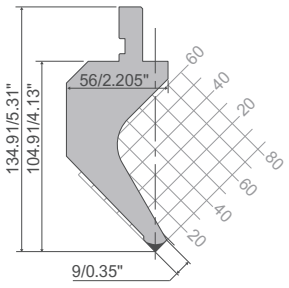


04502

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.
Horn 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.
Horn 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: ⧏100-250-20-25-30-35-40-45-50-100-100⧐
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⧐

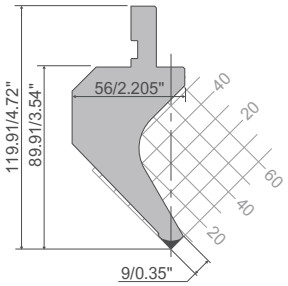
Scan the QRCode or click on it to check PRICES and AVAILABILITY www.rolleritools.com

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.
Horn 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.
Horn 3

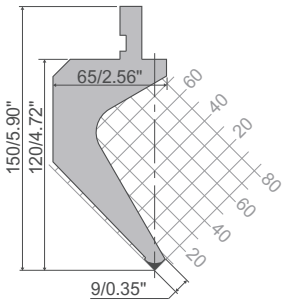
90°
W=89.91 | H=119.91 | R=0.2 mm
W=3.54 | H=4.72 | R=0.008 in

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.
Horn 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.
Horn 3

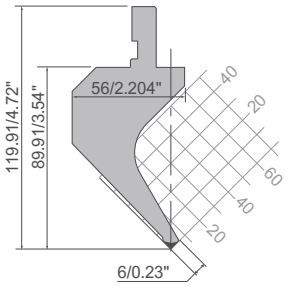
90°
W=120 | H=150 | R=0.2 mm
W=4.72 | H=5.90 | R=0.008 in

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.
Horn 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.
Horn 7

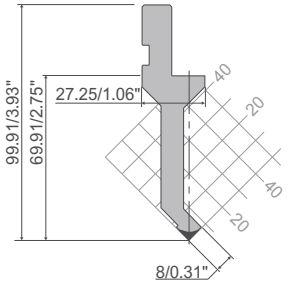
90°
W=89.91 | H=119.91 | R=0.2 mm
W=3.54 | H=4.72 | R= 0.008 in

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.
Horn 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.
Horn 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⧐

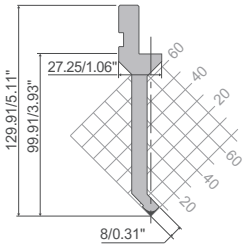
FC: 800 mm - *31.50"*
mm: ⧏100-10-15-20-40-50-165-300-100⧐
in: ⧏3.94-0.39-0.59-0.78-1.57-1.97-6.49-11.81-3.94⧐

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.
Horn 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.
Horn 4

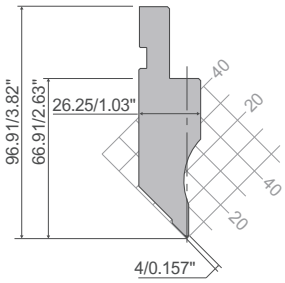
90°
W=99.91 | H=129.91 | R=0.2 mm
W=3.93 | H=5.11 | R=0.118 in

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.
Horn 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.
Horn 3

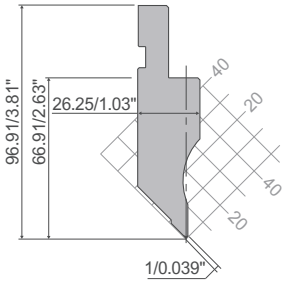
90°
W=66.91 | H=96.91 | R=0.2 mm
W=2.63 | H=3.82 | R=0.008 in

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.
Horn 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.
Horn 3

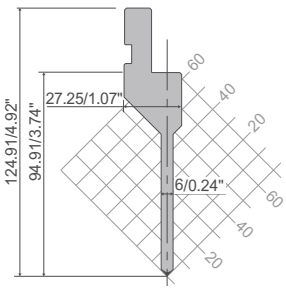
90°
W=66.91 | H=96.91 | R=0.2 mm
W=2.63 | H=3.82 | R=0.008 in

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.
Horn 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.
Horn 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: ⧏100-250-20-25-30-35-40-45-50-100-100⧐
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⧐

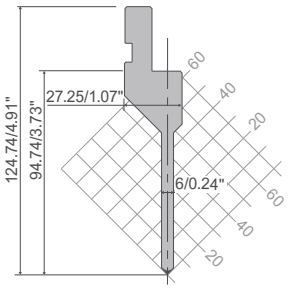
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10906

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.
Horn 4

88°
W=94.74 | H=124.74 | R=0.6 mm
W=3.73 | H=4.91 | R=0.024 in





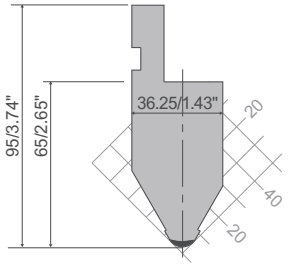
00300

60° >

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.
Horn 6

60°
W=65 | H=95 | R=0.6 mm
W=2.56 | H=3.74 in | R=0.002 in





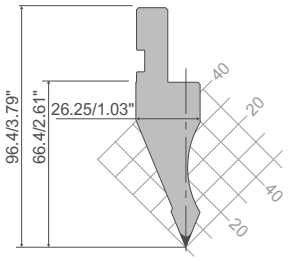
00800

45° >

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.
Horn 5

45°
W=66.4 | H=96.4 | R=0.37 mm
W=2.61 | H=3.79 | R=0.015 in





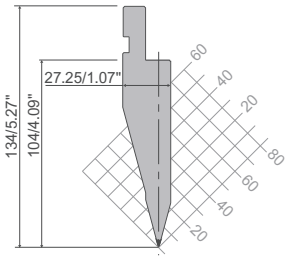
21000

30° >

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.
Horn 5

30°
W=104 | H=134 | R=0.65 mm
W=4.09 | H=5.27 | R=0.025 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⧐

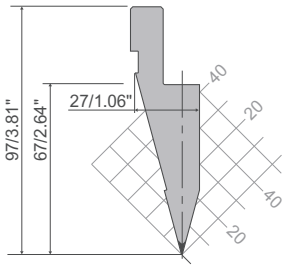
FC: 800 mm - *31.50"*
mm: ⧏100-10-15-20-40-50-165-300-100⧐
in: ⧏3.94-0.39-0.59-0.78-1.57-1.97-6.49-11.81-3.94⧐

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.
Horn 5

30°
W=67 | H=97 | R=0.52 mm
W=2.64 | H=3.81 | R=0.020 in





Punches CFH series

Rolleri offers you fixed height solution compatible with Amada and other European Fixed Height press brake tool styles.
We offer the best solution in shapes, guaranteeing to increase flexibility of your press brake.
All Rolleri tools are state of the art manufactured to ensure precision bending. Using only best quality steels on the market and applying induction deep hardening up to 60 Hrc we provide tools that align with a tolerance of +/- .0004" - 0,01 mm and have the longest working lifetime in the market. Rolleri provides best standard solutions based in 30 years experience in over 65 countries around the globe.
We also manufacture custom solutions for any bending needs and applications guarantee always the best quality and precision on each and every single one of our tools.

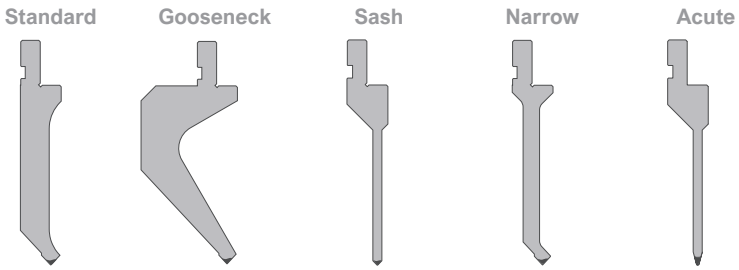
Available on request:

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 Left horn -100 Right horn



CFH150.86.R02-STD

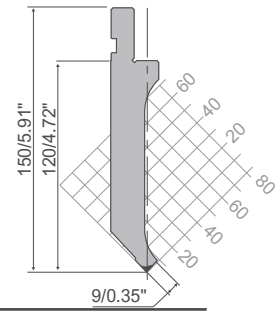
835 mm *32.87"* 17.5 kg
415 mm *16.34"* 8.7 kg
800 mm *31.49"* 16.8 kg F

86° >

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

86°
W=120 | H=150 | R=0.2 mm
W=4.72 | H=5.91 | R=0.008 in

Also available W=85 *3.35*
NEW





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

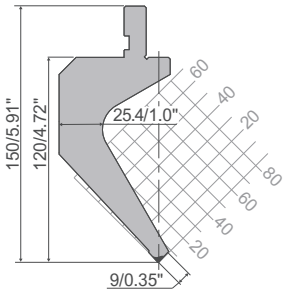
835 mm *32.87"* 25.2 kg
415 mm *16.34"* 12.5 kg
800 mm *31.49"* 24.2 kg F

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

86°
W=120 | H=150 | R=0.2 mm
W=4.72 | H=5.91 | R=0.008 in

Also available W=85 *3.35*

NEW





CFH150.86.R02-SSH

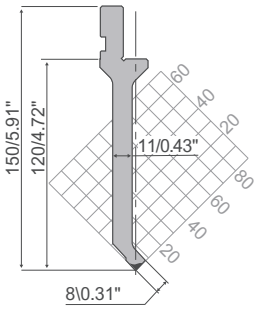
835 mm *32.87"* 11.8 kg
415 mm *16.34"* 5.9 kg
800 mm *31.49"* 11.3 kg F

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

86°
W=120 | H=150 | R=0.65 mm
W=4.72 | H=5.91 | R=0.025 in

Also available W=85 *3.35*

NEW





CFH.150.88.R025

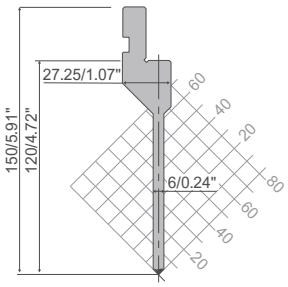
88° >

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.
Horn 1

88°
W=120 | H=150 | R=0.37 mm
W=4.72 | H=5.91 | R=0.015 in

Also available W=85 *3.35*





CFH.150.30.R08

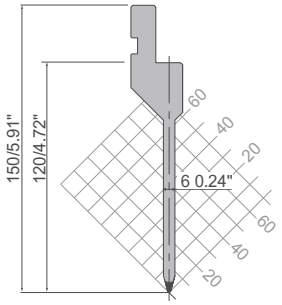
30° >

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.
Horn 1

30°
W=120 | H=150 | R=0.8 mm
W=4.72 | H=5.91 | R=0.031 in

Also available W=85 *3.35*





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⧐**





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