

# ROLLERI

TOOLING LAB

LASER CONSUMABLES

PUNCHING TOOLS - IRON WORKER

SHEAR BLADES

PANEL BENDING TOOLS

## BENDING

R5 TOOLS TYPE  
AMERICAN





ISO 9001 - ISO 45001  
CERTIFIED  
COMPANY



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It contains not only a lot of interesting contents but also sheet metal development calculator and bending ruler. Furthermore this free app contains a useful tool to scan the QR codes in this catalogue.



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Click on the QR code or scan it to find prices and availability. Create your account on [www.rolleriusa.com](http://www.rolleriusa.com)



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You can use Rolleri website to check the delivery time, request quotes, stay update with the news, check prices and place orders directly.



#### Download Rolleri **Clamping App**

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Check standard available sectioning.  
You can also ask for customized tool sectioning.  
Contact [info@rolleriusa.com](mailto:info@rolleriusa.com) to ask for feasibility and for customized products.



## BENDING TOOLS

### 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

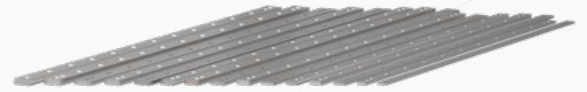
### MARK FREE BENDING AND ACCESSORIES

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 our wide range of laser consumables: one of the widest in the market.

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R5

PUNCHES

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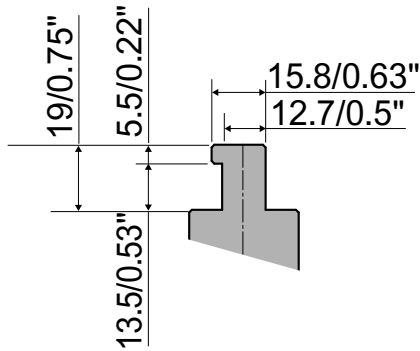
Accurl, Accurpress, Cincinnati, Durma, Ermaksan, Pacific, RMT,  
Wysong, ecc.



- All tools receive batch numbers and therefore have complete traceability
- Precision ground tolerance: +/-0.01mm (+/-0.0004")
- We use only certified best quality raw steel from known suppliers, ensuring material yield and tensile strenght

- ISO Certification
- PRECISION DEEP INDUCTION HARDENED TOOLS WITH 54-60R HRC HARDNESS

**STANDARD TANG**



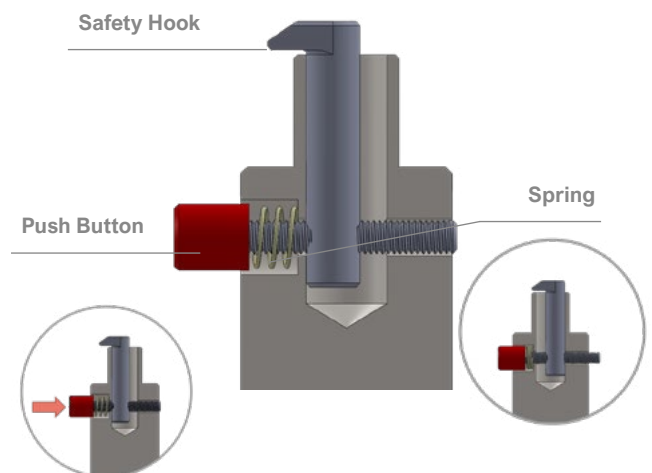
Precision ground tolerance: +/-0.01 mm (+/-0.0004")

**STANDARD LENGTH**

	TOP Series	CLASSIC Series
20.67"   525 mm	•	
16.34"   415 mm		•
32.87"   835 mm		•

**QUICK-LOCK SYSTEM**

- Fast and vertical load/unload button system for upper tools;
- Quick-lock system eliminates the need of special clamps or dedicated holders;
- Upper beam opening should not exceed 0.53" (13.5 mm), otherwise the punch can be released during the opening phase.
- Maximum punch weight compatible with Quick-lock system: 12.5 Kg (25.5 Lbs).



Rolleri **BLACKFIRE** is a surface treatment against steel oxidation. After such treatment tools become black and laser marking golden.



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.



### 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 [info@rolleriusa.com](mailto:info@rolleriusa.com)

	TOP Series	CLASSIC Series
	1	•
	2	•
	7	•

### SEGMENTATION

Customized sectioning is also available on request. [info@rolleriusa.com](mailto:info@rolleriusa.com) to know more about price and availability.

◁ = horn left ▷ = horn right

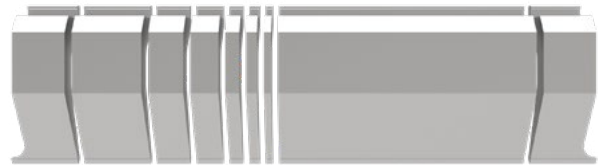
FA: 19.48" - 495 mm  
 in: 9.84-3.94-1.97-1.77-1.57-1.37-1.18-0.98  
 mm: 170-100-50-45-40-35-30-25



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



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



FX: 31.29" - 795 mm  
 in: <3.94-9.84-0.78-0.98-1.18-1.37-1.57-1.77-1.97-3.94-3.94>  
 mm: <100-250-20-25-30-35-40-45-50-100-100>



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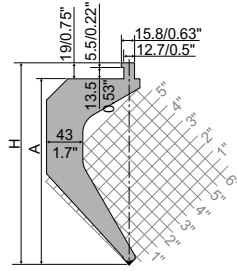


Create your account on [www.rolleriusa.com](http://www.rolleriusa.com)  
 You can use Rolleri website to check the delivery time, request quotes, stay update with the news, check prices and place orders directly.

### ASP.250.85

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

42Cr: 900-1150 N/mm<sup>2</sup>  
85 Ton/mt max - 29 US Ton/ft max  
Horn 1



Other Tip Radius available:

ASP.250.85.R59

85°

H=9.41 | A=8.66 | R=0.031 in  
H=239 | W=220 | R=1.5 mm



ASP.250.85.R125

85°

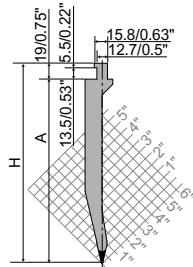
H=8.61 | A=9.36 | R=0.125 in  
H=237.7 | W=218.7 | R=3.17 mm



### ASP.250.26

20.67" 525 mm 17.7 kg  
19.49" 495 mm 16.7 kg FA  
19.68" 500 mm 16.8 kg FB

42Cr: 900-1150 N/mm<sup>2</sup>  
100 Ton/mt max - 33 US Ton/ft max  
Horn 2



Other Tip Radius available:

ASP.250.26.R39

26°

H=9.41 | A=8.66 | R=0.031 in  
H=239 | W=220 | R=1.0 mm



ASP.250.26.R125

26°

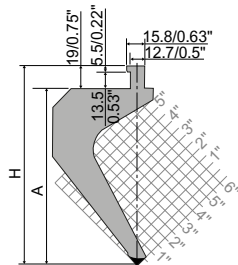
H=9.05 | A=8.31 | R=0.125 in  
H=230 | W=211 | R=3.17 mm



### ASP.175.85

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

42Cr: 900-1150 N/mm<sup>2</sup>  
90 Ton/mt max - 30 US Ton/ft max  
Horn 2



Other Tip Radius available:

ASP.175.85.R31

85°

H=6.46 | A=5.71 | R=0.031 in  
H=164 | W=145 | R=0.8 mm



ASP.175.85.R07

85°

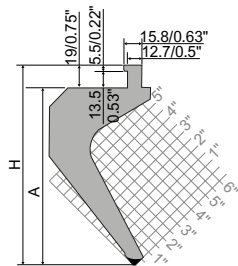
H=6.43 | A=5.68 | R=0.008 in  
H=163.3 | W=144.3 | R=2 mm



### ASP.175.75

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

42Cr: 900-1150 N/mm<sup>2</sup>  
75 Ton/mt max - 25 US Ton/ft max  
Horn 2



Other Tip Radius available:

ASP.175.75.R31

75°

H=6.46 | A=5.71 | R=0.031 in  
H=164 | W=145 | R=0.8 mm



ASP.175.75.R07

75°

H=6.42 | A=5.68 | R=0.008 in  
H=163.2 | W=144.2 | R=2.0 mm



FX: 795 mm - 31.29"

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



FA: 495 mm - 19.48"

mm: 25-30-35-40-45-100-170  
in: 0.98-1.18 -1.37-1.57-1.77-1.97-3.94 -9.84



### ASP.175.60.R31

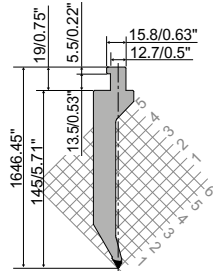
20.67"	525 mm	12.0 kg	
19.49"	495 mm	11.3 kg	FA
19.68"	500 mm	11.4 kg	FB



42Cr: 900-1150 N/mm<sup>2</sup>  
80 Ton/mt max - 26 US Ton/ft max  
Horn 2

**60°**

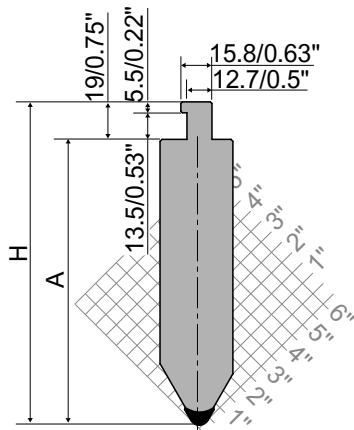
H=6.46 | A=5.71 | R=0.031 in  
H=164 | W=145 | R=0.8 mm



### ASP.175.60

20.67"	525 mm	22.0 kg	
19.49"	495 mm	20.7 kg	FA
19.68"	500 mm	20.9 kg	FB

42Cr: 900-1150 N/mm<sup>2</sup>  
250 Ton/mt max - 87 US Ton/ft max  
Horn 2



Other Tip Radius available:

#### ASP.175.60.R20

**60°**

H=6.45 | A=5.71 | R=0.2 in  
H=164 | W=145 | R=5 mm



#### ASP.175.60.R25

**60°**

H=6.4 | A=5.65 | R=0.25 in  
H=162.2 | W=143.6 | R=6.35 mm



#### ASP.175.60.R375

**60°**

H=6.18 | A=5.43 | R=0.37 in  
H=157 | W=138 | R=9.5 mm



#### ASP.175.60.R50

**60°**

H=6.05 | A=5.3 | R=0.5 in  
H=153.7 | W=134.7 | R=12.7 mm



### ASP.175.26.R31

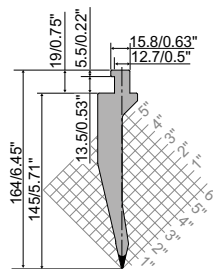
20.67"	525 mm	11.0 kg	
19.49"	495 mm	10.4 kg	FA
19.68"	500 mm	10.5 kg	FB



42Cr: 900-1150 N/mm<sup>2</sup>  
95 Ton/mt max - 32 US Ton/ft max  
Horn 2

**26°**

H=6.46 | A=5.71 | R=0.031 in  
H=164 | W=145 | R=0.8 mm



FB: 500 mm - 19.68"

mm: <100-300-100>

in: <3.94-11.81-3.94>



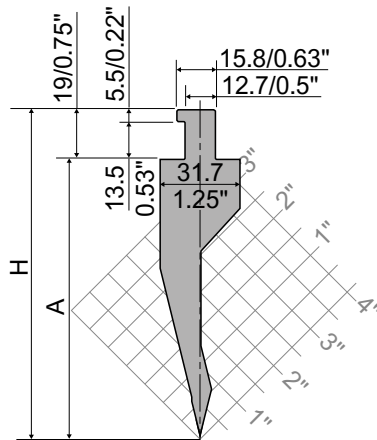
Download Roller Clamping App

Rolleri App contains a lot of useful information about our fast clamping systems, details for their installation and all user manuals.

### ASP.19

33.00" 838 mm 13.8 kg  
 16.34" 415 mm 6.8 kg  
 31.69" 805 mm 13.3 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 86 Ton/mt max - 29 US Ton/ft max  
 Horn 1



Other Tip Radius available:

#### ASP.19.31

28°

H=5.00 | A=4.25 | R=0.031 in  
 H=127 | W=108 | R=0.8 mm



#### ASP.19.62

28°

H=4.9 | A=4.15 | R=0.062 in  
 H=124.5 | W=105.5 | R=1.6 mm



#### ASP.19.125

28°

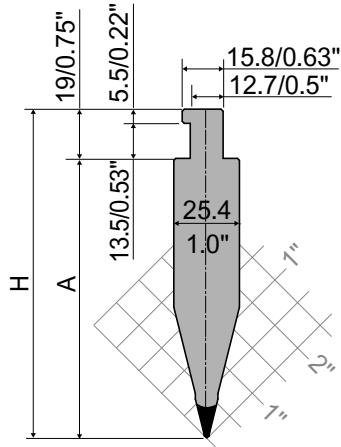
H=4.67 | A=3.91 | R=0.125 in  
 H=118.5 | W=99.5 | R=3.2 mm



### ASP.23

33.00" 838 mm 12.5 kg  
 16.34" 415 mm 5.4 kg  
 31.69" 805 mm 10.5 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 100 Ton/mt max - 33 US Ton/ft max  
 Horn 1



Other Tip Radius available:

#### ASP.23.31

28°

H=5.00 | A=4.25 | R=0.031 in  
 H=127 | W=108 | R=0.8 mm



#### ASP.23.62

28°

H=4.88 | A=4.25 | R=0.062 in  
 H=124 | W=108 | R=1.6 mm



F: 805 mm - 31.69"

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

in: <3.94-14.56-0.39-0.59-1.78-1.57-1.97-3.94-3.94>



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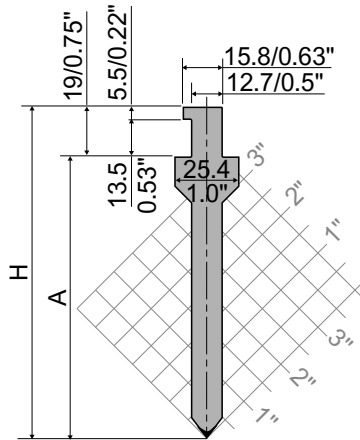




ASP.14

33.00" 838 mm 13.4 kg  
 16.34" 415 mm 6.6 kg  
 31.69" 805 mm 12.9 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 100 Ton/mt max - 33 US Ton/ft max  
 Horn 2



Other Tip Radius available:

ASP.14.16

75°

H=5.00 | A=4.25 | R=0.016 in  
 H=127 | W=108 | R=0.4 mm



ASP.14.31

75°

H=5.00 | A=4.25 | R=0.031 in  
 H=127 | W=108 | R=0.8 mm



ASP.14.62

75°

H=4.98 | A=4.235 | R=0.062 in  
 H=126.5 | W=107.5 | R=1.6 mm



ASP.14.125

75°

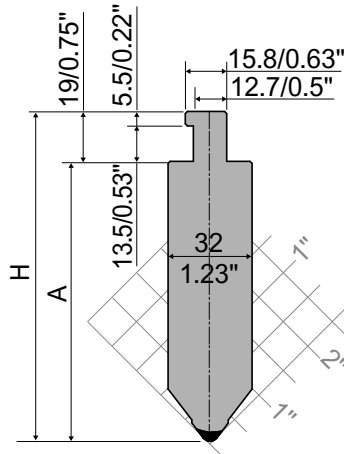
H=4.96 | A=4.21 | R=0.125 in  
 H=126 | W=107 | R=3.2 mm



ASP.22

33.00" 838 mm 21.9 kg  
 16.34" 415 mm 6.6 kg  
 31.69" 805 mm 12.9 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 100 Ton/mt max - 33 US Ton/ft max  
 Horn 1



Other Tip Radius available:

ASP.22.125

75°

H=4.95 | A=4.2 | R=0.012 in  
 H=125.7 | W=106.7 | R=3.2 mm



ASP.22.250

75°

H=4.11 | A=4.85 | R=0.25 in  
 H=123.3 | W=104.3 | R=6.35 mm



ASP.22.375

75°

H=4.72 | A=3.98 | R=0.37 in  
 H=120 | W=101 | R=9.5 mm



ASP.22.500

75°

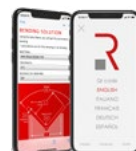
H=4.64 | A=3.89 | R=0.5 in  
 H=118 | W=99 | R=12.7 mm



F: 805 mm - 31.69"  
 mm: <100-370-10-15-20-40-50-100-100>  
 in: <3.94-14.56-0.39-0.59-1.78-1.57-1.97-3.94-3.94>



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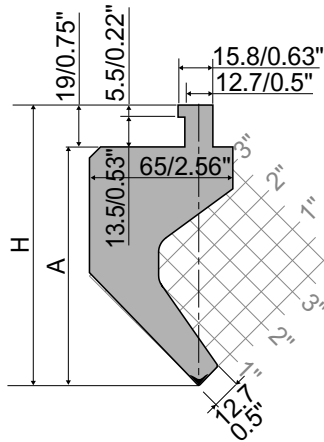


It contains not only a lot of interesting contents but also sheet metal development calculator and bending ruler. Furthermore this free app contains a useful tool to scan the QR codes in this catalogue.

### ASP.24

33.00"	838 mm	31.8 kg
16.34"	415 mm	15.8 kg
31.69"	805 mm	30.6 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 70 Ton/mt max - 23 US Ton/ft max  
 Horn 2



Other Tip Radius available:

**ASP.24.16**

85°

H=5.00 | A=4.25 | R=0.031 in  
 H=127 | W=108 | R=0.4 mm



**ASP.24.31**

85°

H=4.9 | A=4.15 | R=0.062 in  
 H=124.5 | W=105.5 | R=1.6 mm



**ASP.24.62**

85°

H=5.00 | A=4.25 | R=0.062 in  
 H=127 | W=108 | R=1.6 mm



**ASP.24.125**

85°

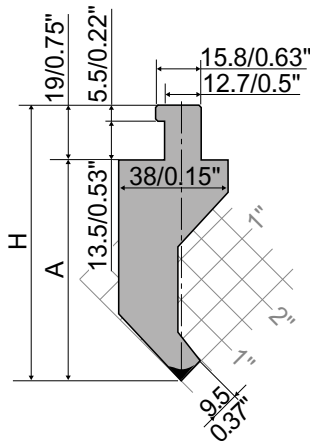
H=5.00 | A=4.25 | R=0.125 in  
 H=127 | W=108 | R=3.2 mm



### ASP.9

33.00"	838 mm	12.8 kg
16.34"	415 mm	5.4 kg
31.69"	805 mm	10.5 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 66 Ton/mt max - 22 US Ton/ft max  
 Horn 1



Other Tip Radius available:

**ASP.9.16**

85°

H=3.78 | A=3.03 | R=0.016 in  
 H=96 | W=77 | R=0.4 mm



**ASP.9.31**

85°

H=3.78 | A=3.03 | R=0.031 in  
 H=96 | W=77 | R=0.8 mm



**ASP.9.63**

85°

H=3.76 | A=3.01 | R=0.063 in  
 H=95.5 | W=76.5 | R=1.6 mm



**ASP.9.125**

85°

H=3.73 | A=2.98 | R=0.125 in  
 H=94.8 | W=75.8 | R=3.2 mm



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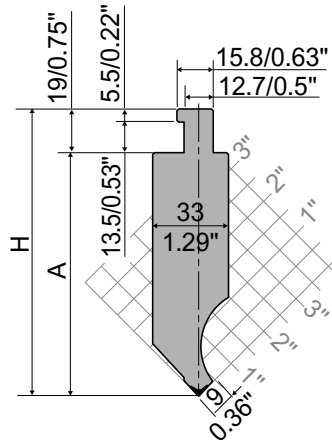
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**ASP.135 / 0813-011-11**

33.00" 838 mm 21.0 kg  
 16.34" 415 mm 10.4 kg  
 31.69" 805 mm 20.1 kg F

C45: 560-710 N/mm<sup>2</sup>  
 90 Ton/mt max - 30 US Ton/ft max  
 Horn 7



Other Tip Radius available:

**ASP.135.16 / 0813-011-11**

**85°**

H=4.92 | A=4.17 | R=0.016 in  
 H=125 | W=106 | R=0.4 mm



**ASP.135.31 / 0813-011-11**

**85°**

H=4.92 | A=4.17 | R=0.031 in  
 H=125 | W=106 | R=0.8 mm



**ASP.135.62 / 0813-011-11**

**85°**

H=4.9 | A=4.15 | R=0.062 in  
 H=124.5 | W=105.5 | R=1.6 mm



**ASP.135.125 / 0813-011-11**

**85°**

H=4.87 | A=4.12 | R=0.125 in  
 H=123.8 | W=104.8 | R=3.2 mm



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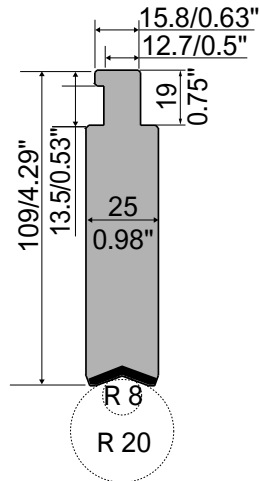
**ASP.120-08**

20.55" 522 mm 11.0 kg  
 19.49" 495 mm 12.0 kg F



42Cr: 900-1150 N/mm<sup>2</sup>  
 100 Ton/mt max - 33 US Ton/ft max

For Radius tools with R8-R20  
 (TOP.C08-TOP.C20) see below



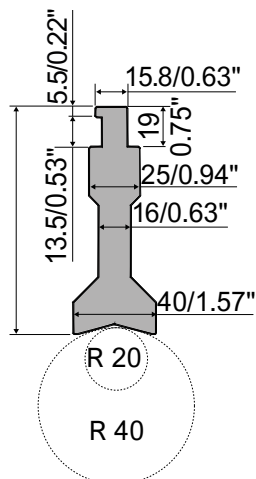
**ASP.PC.120-20**

20.55" 522 mm 10.5 kg  
 19.49" 495 mm 10.0 kg F



42Cr: 900-1150 N/mm<sup>2</sup>  
 100 Ton/mt max - 33 US Ton/ft max

For Radius tools with R20-R40  
 (TOP.C20-TOP.C40) see below



F: 805 mm - 31.69"  
 mm: <100-370-10-15-20-40-50-100-100>  
 in: <3.94-14.56-0.39-0.59-1.78-1.57-1.97-3.94-3.94>



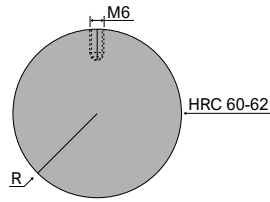
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**ASP-Radius Tools: R8-40**



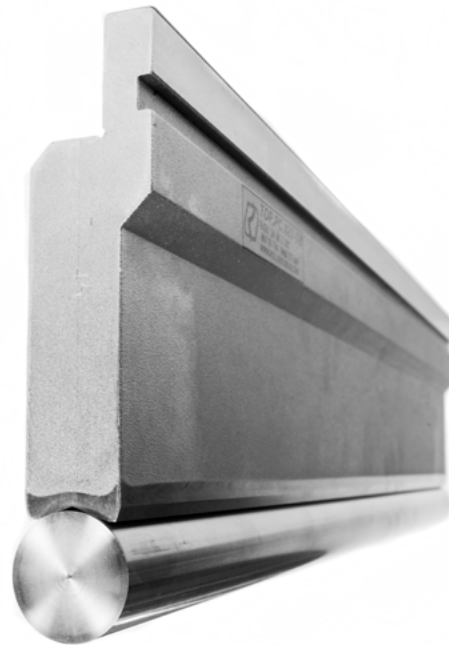
	R	525 mm	495 mm
		20.67"	19.49"
TOP.C08	0.31"	8.0 mm	0.8 kg
TOP.C10	0.39"	10.0 mm	1.3 kg
TOP.C12.5	0.49"	12.5 mm	2.0 kg
TOP.C15	0.59"	15.0 mm	3.0 kg
TOP.C17.5	0.69"	17.5 mm	4.0 kg
TOP.C20	0.79"	20.0mm	5.2 kg
TOP.C22.5	0.88"	22.5 mm	6.6 kg
TOP.C25	0.98"	25.0 mm	8.1 kg
TOP.C27.5	1.08"	27.5 mm	9.8 kg
TOP.C30	1.18"	30.0 mm	11.7 kg
TOP.C32.5	1.28"	32.5 mm	13.7 kg
TOP.C35	1.14"	35.0 mm	16 kg
TOP.C37.5	1.47"	37.5 mm	18.2 kg
TOP.C40	1.57"	40.0 mm	20.7 kg



C53: 60-62 HRC

100 Ton/mt max - 33 US Ton/ft max

All ASP radius are deep induction hardened to HRC60-62. This makes them last longer and be suitable to work on thick plate and abrasion resistant materials



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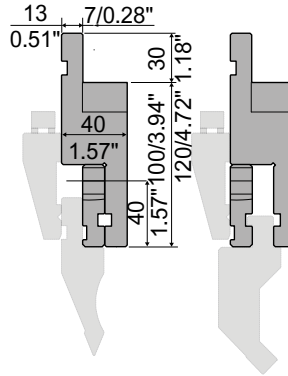
**INT100-A**

5.91" 150 mm 3.5 kg

C45: 560-710 N/mm<sup>2</sup>  
100 Ton/mt max - 33 US Ton/ft max

Options:

- Screw clamping system
- Fast lever clamping system



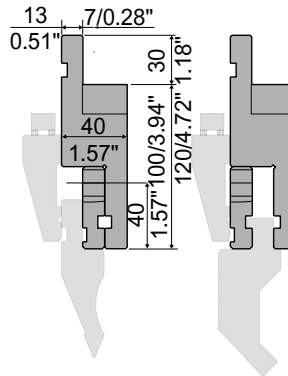
**INT120-A**

5.91" 150 mm 5.2 kg

C45: 560-710 N/mm<sup>2</sup>  
100 Ton/mt max - 33 US Ton/ft max

Options:

- Screw clamping system
- Fast lever clamping system



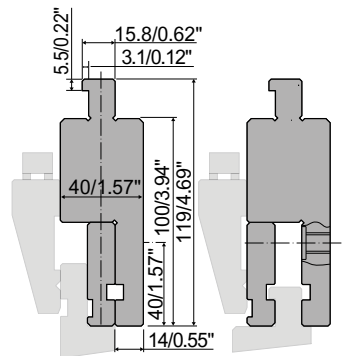
**INT100-A (American)**

5.91" 150 mm 3.5 kg

C45: 560-710 N/mm<sup>2</sup>  
100 Ton/mt max - 33 US Ton/ft max

Options:

- Screw clamping system
- Fast lever clamping system



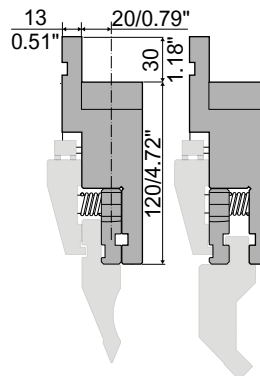
**INT120-40-A**

5.91" 150 mm 6.0 kg

C45: 560-710 N/mm<sup>2</sup>  
100 Ton/mt max - 33 US Ton/ft max

Options:

- Screw clamping system
- Fast lever clamping system



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AD16

5.90" 150 mm 4 kg

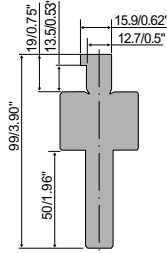
R5 → R1

C45: 560-710 N/mm<sup>2</sup>

100 Ton/mt max - 33 US Ton/ft max

W=3.15 | H=3.90 in

W=80 | H=99 mm



Our Universal Clamps will allow any PB to use both european and american style upper tooling.

AD16 clamp allows european upper tools to be clamped into an american style upper ram.

AW adapters will mount onto European upper tools allowing them to be used on american style upper rams.



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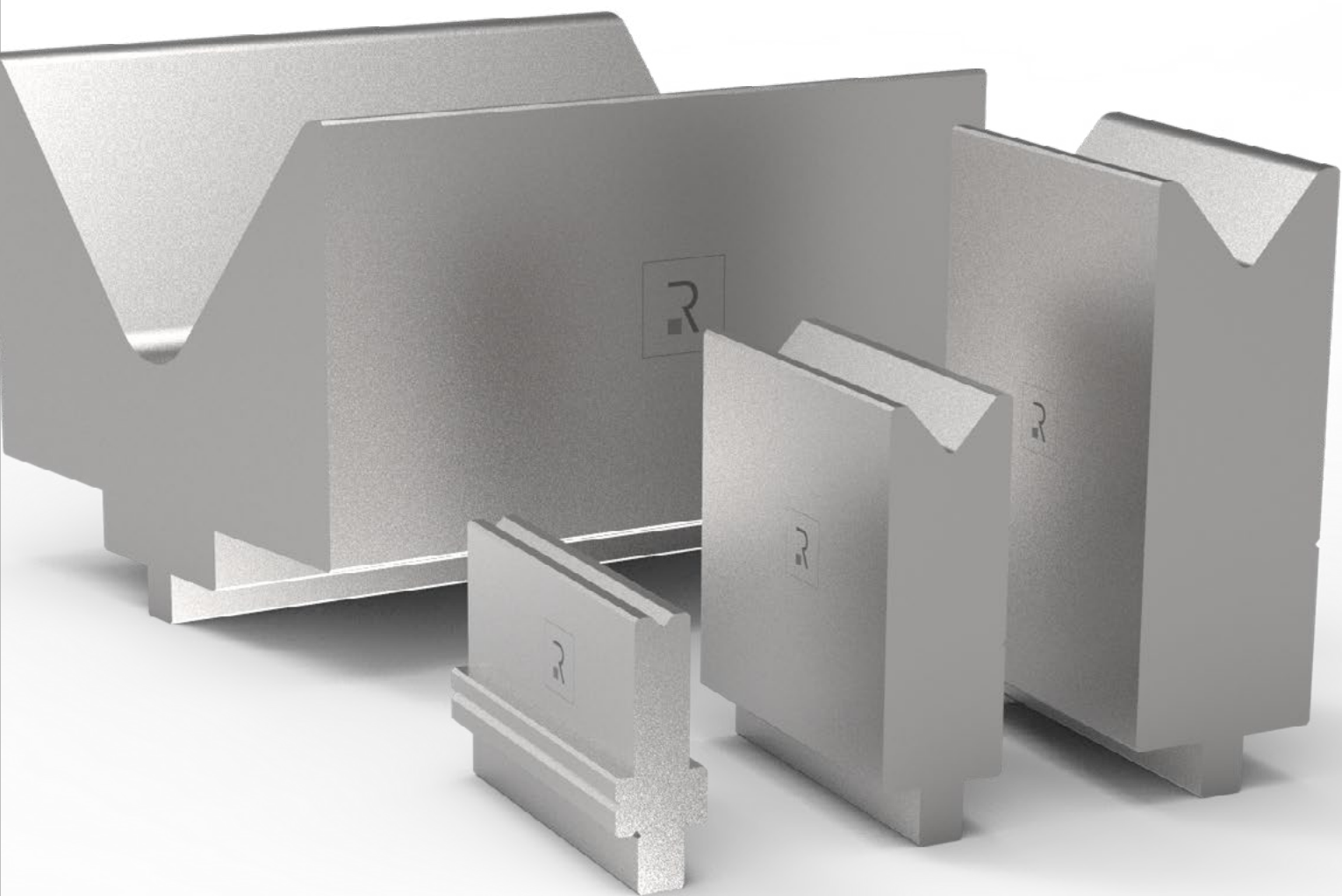
R5

DIES

---

Accurl, Accurpress, Cincinnati, Durma, Ermaksan, Pacific, RMT,  
Wysong, ecc.



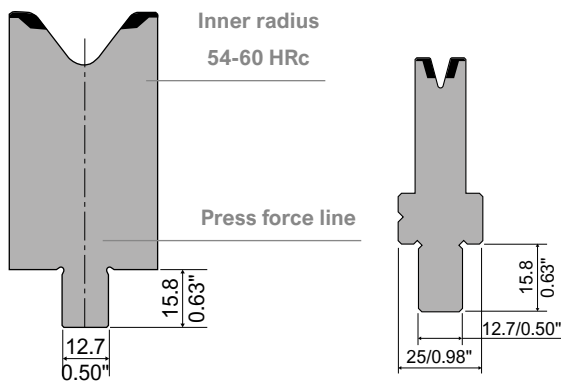


- Every single tool is traceable thanks to a unique serial number stamped after the first quality control
- All tools receive batch numbers and therefore have complete traceability
- Precision ground tolerance:  $\pm 0.01$  mm ( $\pm 0.0004$ " )
- Raw material is provided by qualified suppliers and chemical composition corresponds to international standards. Therefore, raw material yield and tensile strength are guaranteed
- ISO Certification
- All tools induction hardened to 54-60 HRc.

Dies Rolleri Type American are:

- Compatible with press brakes American;
- Also applicable on all other press brakes with adapters and die holders.

### STANDARD TANG



Precision ground tolerance:  $\pm 0.01$  mm ( $\pm 0.0004$ " )

### STANDARD LENGTH

16.34" | 415 mm

19.69" | 500 mm

32.99" | 838 mm

39.37" | 1000 mm



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### SEGMENTATION

Customized sectioning is also available on request.

[info@rolleriusa.com](mailto:info@rolleriusa.com) to know more about price and availability.

FC: 9.84" - 250 mm

In: 1.96-1.77-1.57-1.37-1.18-0.98-0.98

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



FW: 21.65" - 550 mm

In:7.87-3.94-1.97-1.77-1.57-1.37-1.18-0.98-0.98

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



FX: 31.29" - 795mm

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

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



F: 31.69" - 805 mm

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

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



F: 43.31" - 1100 mm

In:15.75-7.87-3.94-3.94-2.95-2.36-1.97-1.57-1.18-0.78-0.59-0.39

mm:400-200-100-100-75-60-50-40-30-20-15-10



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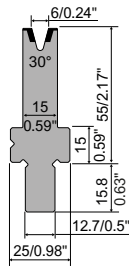
**ASD55.06.30**

39.37" 1000 mm 8.0 kg  
 19.68" 500 mm 4.0 kg  
 43.31" 1100 mm 9.0 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 35 Ton/mt max - 12 US Ton/ft max

**30°**

W=2.17 | R=0.024 | V=0.24 in  
 W=55 | R=0.6 | V=6 mm



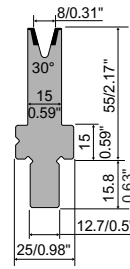
**ASD55.08.30**

39.37" 1000 mm 9.2 kg  
 19.68" 500 mm 4.0 kg  
 43.31" 1100 mm 10.1 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 20 Ton/mt max - 7 US Ton/ft max

**30°**

W=2.17 | R=0.031 | V=0.31 in  
 W=55 | R=0.8 | V=8 mm



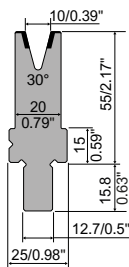
**ASD55.10.30**

39.37" 1000 mm 10.0 kg  
 19.68" 500 mm 5.0 kg  
 43.31" 1100 mm 11.0 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 35 Ton/mt max - 12 US Ton/ft max

**30°**

W=2.17 | R=0.039 | V=0.39 in  
 W=55 | R=1.0 | V=10 mm



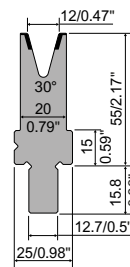
**ASD55.12.30**

39.37" 1000 mm 10.0 kg  
 19.68" 500 mm 5.0 kg  
 43.31" 1100 mm 11.0 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 30 Ton/mt max - 10 US Ton/ft max

**30°**

W=2.17 | R=0.059 | V=0.47 in  
 W=55 | R=1.5 | V=12 mm



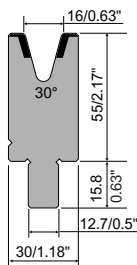
**ASD55.16.30**

39.37" 1000 mm 13.5 kg  
 19.68" 500 mm 6.7 kg  
 43.31" 1100 mm 14.9 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 45 Ton/mt max - 15 US Ton/ft max

**30°**

W=2.17 | R=0.079 | V=0.63 in  
 W=55 | R=2.0 | V=16 mm



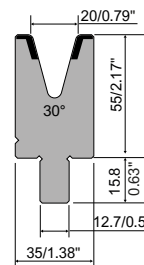
**ASD55.20.30**

39.37" 1000 mm 14.0 kg  
 19.68" 500 mm 7.0 kg  
 43.31" 1100 mm 13.5 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 50 Ton/mt max - 17 US Ton/ft max

**30°**

W=2.17 | R=0.098 | V=0.79 in  
 W=55 | R=2.5 | V=20 mm



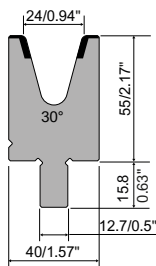
**ASD55.24.30**

39.37" 1000 mm 15.5 kg  
 19.68" 500 mm 7.8 kg  
 43.31" 1100 mm 17.0 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 55 Ton/mt max - 18 US Ton/ft max

**30°**

W=2.17 | R=0.118 | V=0.94 in  
 W=55 | R=3.0 | V=24 mm



F: 1100 mm - 43.30"

mm: 400 - 200 - 100 - 100 - 75 - 60 - 50 - 40 - 30 - 20 - 15 - 10  
 in: 15.75-7.87-3.94-3.94-2.95-2.36-1.97-1.57-1.18-0.78-0.59-0.39



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**ASD55.40.60**

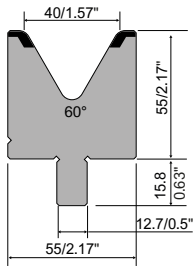


39.37" 1000 mm 20.3 kg  
 19.68" 500 mm 10.5 kg  
 43.31" 1100 mm 22.3 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 130 Ton/mt max - 44 US Ton/ft max

**60°**

W=2.17 | R=0.197 | V=1.57 in  
 W=55 | R=5.0 | V=40 mm



**ASD55.50.60**

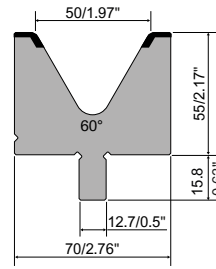


39.37" 1000 mm 24.0 kg  
 19.68" 500 mm 12.0 kg  
 43.31" 1100 mm 21.0 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 130 Ton/mt max - 44 US Ton/ft max

**60°**

W=2.17 | R=0.197 | V=1.97 in  
 W=55 | R=5.0 | V=50 mm



**ASD55.06.80**

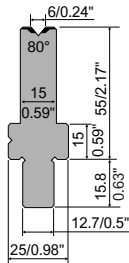


39.37" 1000 mm 8.5 kg  
 19.68" 500 mm 4.2 kg  
 43.31" 1100 mm 8.5 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 115 Ton/mt max - 39 US Ton/ft max

**80°**

W=2.17 | R=0.016 | V=0.24 in  
 W=55 | R=0.4 | V=6 mm



**ASD55.08.80**

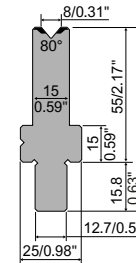


39.37" 1000 mm 9.0 kg  
 19.68" 500 mm 4.5 kg  
 43.31" 1100 mm 8.5 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 110 Ton/mt max - 37 US Ton/ft max

**80°**

W=2.17 | R=0.020 | V=0.31 in  
 W=55 | R=0.5 | V=8 mm



**ASD55.10.80**

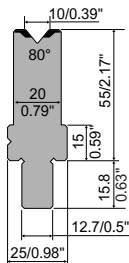


39.37" 1000 mm 11.0 kg  
 19.68" 500 mm 5.0 kg  
 43.31" 1100 mm 12.0 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 110 Ton/mt max - 37 US Ton/ft max

**80°**

W=2.17 | R=0.039 | V=0.39 in  
 W=55 | R=1.0 | V=10 mm



**ASD55.12.80**

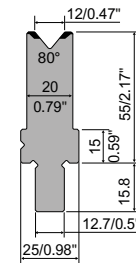


39.37" 1000 mm 10.5 kg  
 19.68" 500 mm 5.2 kg  
 43.31" 1100 mm 10.0 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 120 Ton/mt max - 40 US Ton/ft max

**80°**

W=2.17 | R=0.059 | V=0.47 in  
 W=55 | R=1.5 | V=12 mm



**ASD55.16.80**

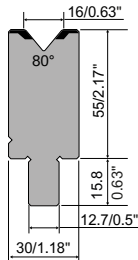


39.37" 1000 mm 14.5 kg  
 19.68" 500 mm 7.2 kg  
 43.31" 1100 mm 14.0 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 120 Ton/mt max - 40 US Ton/ft max

**80°**

W=2.17 | R=0.079 | V=0.63 in  
 W=55 | R=2.0 | V=16 mm



**ASD55.20.80**

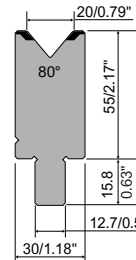


39.37" 1000 mm 14.5 kg  
 19.68" 500 mm 7.2 kg  
 43.31" 1100 mm 14.0 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 110 Ton/mt max - 37 US Ton/ft max

**80°**

W=2.17 | R=0.079 | V=0.79 in  
 W=55 | R=2.0 | V=20 mm



F: 1100 mm - 43.30"

mm: 400 - 200 - 100 - 100 - 75 - 60 - 50 - 40 - 30 - 20 - 15 - 10  
 in: 15.75-7.87-3.94-3.94-2.95-2.36-1.97-1.57-1.18-0.78-0.59-0.39



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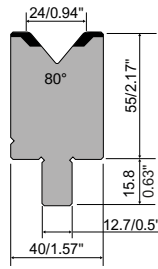
**ASD55.24.80**

39.37" 1000 mm 18.5 kg  
 19.68" 500 mm 9.2 kg  
 43.31" 1100 mm 18.0 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 120 Ton/mt max - 40 US Ton/ft max

**80°**

W=2.17 | R=0.118 | V=0.94 in  
 W=55 | R=3.0 | V=24 mm



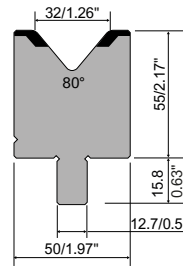
**ASD55.32.80**

39.37" 1000 mm 21.0 kg  
 19.68" 500 mm 10.5 kg  
 43.31" 1100 mm 20.5 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 120 Ton/mt max - 40 US Ton/ft max

**80°**

W=2.17 | R=0.157 | V=1.25 in  
 W=55 | R=4.0 | V=32 mm



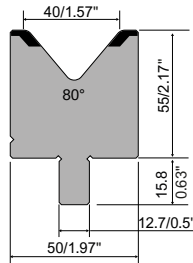
**ASD55.40.80**

39.37" 1000 mm 21.5 kg  
 19.68" 500 mm 10.7 kg  
 43.31" 1100 mm 25.0 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 120 Ton/mt max - 40 US Ton/ft max

**80°**

W=2.17 | R=0.157 | V=1.57 in  
 W=55 | R=4.0 | V=40 mm



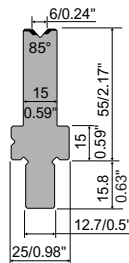
**ASD55.06.85**

39.37" 1000 mm 8.5 kg  
 19.68" 500 mm 4.2 kg  
 43.31" 1100 mm 8.5 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 115 Ton/mt max - 39 US Ton/ft max

**85°**

W=2.17 | R=0.016 | V=0.24 in  
 W=55 | R=0.4 | V=6 mm



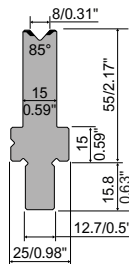
**ASD55.08.85**

39.37" 1000 mm 9.0 kg  
 19.68" 500 mm 4.5 kg  
 43.31" 1100 mm 8.5 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 110 Ton/mt max - 37 US Ton/ft max

**85°**

W=2.17 | R=0.020 | V=0.31 in  
 W=55 | R=0.5 | V=8 mm



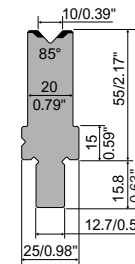
**ASD55.10.85**

39.37" 1000 mm 11.0 kg  
 19.68" 500 mm 5.0 kg  
 43.31" 1100 mm 12.0 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 110 Ton/mt max - 37 US Ton/ft max

**85°**

W=2.17 | R=0.039 | V=0.39 in  
 W=55 | R=1.0 | V=10 mm



F: 1100 mm - 43.30"

mm: 400 - 200 - 100 - 100 - 75 - 60 - 50 - 40 - 30 - 20 - 15 - 10  
 in: 15.75-7.87-3.94-3.94-2.95-2.36-1.97-1.57-1.18-0.78-0.59-0.39



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**ASD55.12.85**

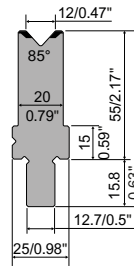


39.37" 1000 mm 10.5 kg  
 19.68" 500 mm 5.2 kg  
 43.31" 1100 mm 10.0 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 120 Ton/mt max - 40 US Ton/ft max

**85°**

W=2.17 | R=0.059 | V=0.47 in  
 W=55 | R=1.5 | V=12 mm



**ASD55.16.85**

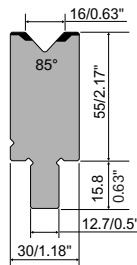


39.37" 1000 mm 14.5 kg  
 19.68" 500 mm 7.2 kg  
 43.31" 1100 mm 14.0 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 120 Ton/mt max - 40 US Ton/ft max

**85°**

W=2.17 | R=0.079 | V=0.63 in  
 W=55 | R=2.0 | V=16 mm



**ASD55.20.85**

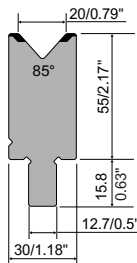


39.37" 1000 mm 14.5 kg  
 19.68" 500 mm 7.2 kg  
 43.31" 1100 mm 14.0 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 110 Ton/mt max - 37 US Ton/ft max

**85°**

W=2.17 | R=0.079 | V=0.79 in  
 W=55 | R=2.0 | V=20 mm



**ASD55.24.85**

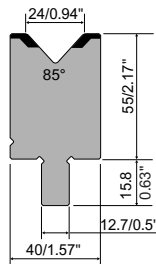


39.37" 1000 mm 18.5 kg  
 19.68" 500 mm 9.2 kg  
 43.31" 1100 mm 18.0 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 120 Ton/mt max - 40 US Ton/ft max

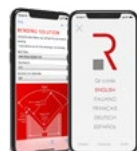
**85°**

W=2.17 | R=0.118 | V=0.94 in  
 W=55 | R=3.0 | V=24 mm



F: 1100 mm - 43.30"

mm: 400 - 200 - 100 - 100 - 75 - 60 - 50 - 40 - 30 - 20 - 15 - 10  
 in: 15.75-7.87-3.94-3.94-2.95-2.36-1.97-1.57-1.18-0.78-0.59-0.39



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**ASD55.32.85**

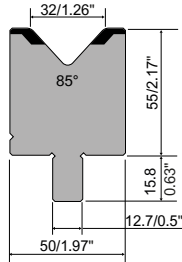


39.37" 1000 mm 21.0 kg  
 19.68" 500 mm 10.5 kg  
 43.31" 1100 mm 20.5 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 120 Ton/mt max - 40 US Ton/ft max

**85°**

W=2.17 | R=0.157 | V=1.25 in  
 W=55 | R=4.0 | V=32 mm



**ASD55.40.85**

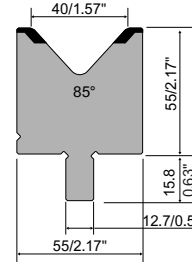


39.37" 1000 mm 21.5 kg  
 19.68" 500 mm 10.7 kg  
 43.31" 1100 mm 25.0 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 120 Ton/mt max - 40 US Ton/ft max

**85°**

W=2.17 | R=0.157 | V=1.57 in  
 W=55 | R=4.0 | V=40 mm



**ASD55.06.88**

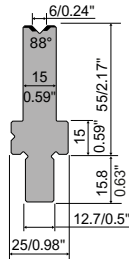


39.37" 1000 mm 8.5 kg  
 19.68" 500 mm 4.2 kg  
 43.31" 1100 mm 8.5 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 115 Ton/mt max - 39 US Ton/ft max

**88°**

W=55 | R=0.4 | V=6 mm  
 W=2.17 | R=0.016 | V=0.24 in



**ASD55.08.88**

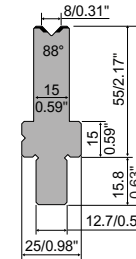


39.37" 1000 mm 9.0 kg  
 19.68" 500 mm 4.5 kg  
 43.31" 1100 mm 8.5 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 110 Ton/mt max - 37 US Ton/ft max

**88°**

W=55 | R=0.5 | V=8 mm  
 W=2.17 | R=0.020 | V=0.31 in



**ASD55.10.88**

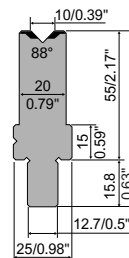


39.37" 1000 mm 11.0 kg  
 19.68" 500 mm 5.0 kg  
 43.31" 1100 mm 12.0 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 110 Ton/mt max - 37 US Ton/ft max

**88°**

W=2.17 | R=0.039 | V=0.39 in  
 W=55 | R=1.0 | V=10 mm



**ASD55.12.88**

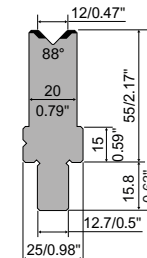


39.37" 1000 mm 10.5 kg  
 19.68" 500 mm 5.2 kg  
 43.31" 1100 mm 10.0 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 120 Ton/mt max - 40 US Ton/ft max

**88°**

W=2.17 | R=0.059 | V=0.47 in  
 W=55 | R=1.5 | V=12 mm



**ASD55.16.88**

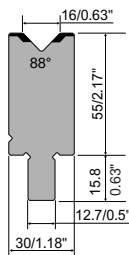


39.37" 1000 mm 14.5 kg  
 19.68" 500 mm 7.2 kg  
 43.31" 1100 mm 14.0 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 120 Ton/mt max - 40 US Ton/ft max

**88°**

W=2.17 | R=0.079 | V=0.63 in  
 W=55 | R=2.0 | V=16 mm



**ASD55.20.88**

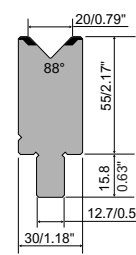


39.37" 1000 mm 14.5 kg  
 19.68" 500 mm 7.2 kg  
 43.31" 1100 mm 14.0 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 110 Ton/mt max - 37 US Ton/ft max

**88°**

W=2.17 | R=0.079 | V=0.79 in  
 W=55 | R=2.0 | V=20 mm



F: 1100 mm - 43.30"

mm: 400 - 200 - 100 - 100 - 75 - 60 - 50 - 40 - 30 - 20 - 15 - 10  
 in: 15.75-7.87-3.94-3.94-2.95-2.36-1.97-1.57-1.18-0.78-0.59-0.39



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**ASD55.24.88**

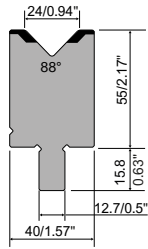


39.37" 1000 mm 18.5 kg  
 19.68" 500 mm 9.2 kg  
 43.31" 1100 mm 18.0 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 120 Ton/mt max - 40 US Ton/ft max

**88°**

W=2.17 | R=0.118 | V=0.94 in  
 W=55 | R=3.0 | V=24 mm



**ASD55.06.90**

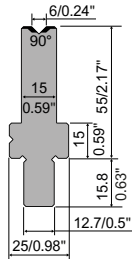


39.37" 1000 mm 8.5 kg  
 19.68" 500 mm 4.2 kg  
 43.31" 1100 mm 8.5 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 115 Ton/mt max - 39 US Ton/ft max

**90°**

W=2.17 | R=0.016 | V=0.24 in  
 W=55 | R=0.4 | V=6 mm



**ASD55.08.90**

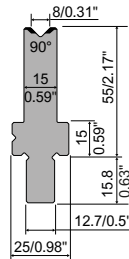


39.37" 1000 mm 9.0 kg  
 19.68" 500 mm 4.5 kg  
 43.31" 1100 mm 8.5 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 110 Ton/mt max - 37 US Ton/ft max

**90°**

W=2.17 | R=0.020 | V=0.31 in  
 W=55 | R=0.5 | V=8 mm



**ASD55.10.90**

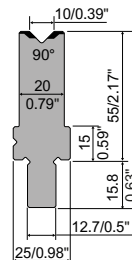


39.37" 1000 mm 11.0 kg  
 19.68" 500 mm 5.0 kg  
 43.31" 1100 mm 12.0 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 110 Ton/mt max - 37 US Ton/ft max

**90°**

W=2.17 | R=0.039 | V=0.39 in  
 W=55 | R=1.0 | V=10 mm



**ASD55.12.90**

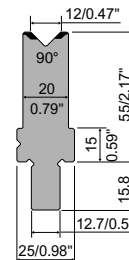


39.37" 1000 mm 10.5 kg  
 19.68" 500 mm 5.2 kg  
 43.31" 1100 mm 10.0 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 120 Ton/mt max - 40 US Ton/ft max

**90°**

W=2.17 | R=0.059 | V=0.47 in  
 W=55 | R=1.5 | V=12 mm



**ASD55.16.90**

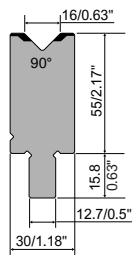


39.37" 1000 mm 14.5 kg  
 19.68" 500 mm 7.2 kg  
 43.31" 1100 mm 14.0 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 120 Ton/mt max - 40 US Ton/ft max

**90°**

W=2.17 | R=0.079 | V=0.63 in  
 W=55 | R=2.0 | V=16 mm



Rolleri **BLACKFIRE** is a surface treatment against steel oxidation. After such treatment tools become black and laser marking golden.



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.

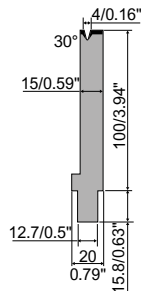
**ASD100.04.30**

19.68" 500 mm 7.0 kg  
 9.84" 250 mm 3.5 kg FC  
 21.65" 550 mm 7.7 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 15 Ton/mt max - 5 US Ton/ft max

**30°**

W=3.94 | R=0.024 | V=0.16 in  
 W=100 | R=0.6 | V=4 mm



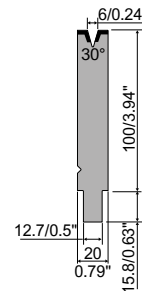
**ASD100.06.30**

19.68" 500 mm 8.8 kg  
 9.84" 250 mm 4.4 kg FC  
 21.65" 550 mm 9.6 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 40 Ton/mt max - 13 US Ton/ft max

**30°**

W=3.94 | R=0.024 | V=0.24 in  
 W=100 | R=0.6 | V=6 mm



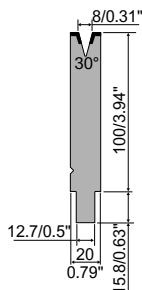
**ASD100.08.30**

19.68" 500 mm 12.2 kg  
 9.84" 250 mm 6.1 kg FC  
 21.65" 550 mm 13.4 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 40 Ton/mt max - 13 US Ton/ft max

**30°**

W=3.94 | R=0.039 | V=0.31 in  
 W=100 | R=1.0 | V=8 mm



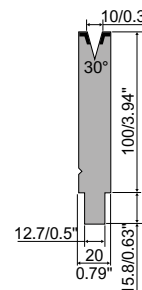
**ASD100.10.30**

19.68" 500 mm 8.5 kg  
 9.84" 250 mm 4.3 kg FC  
 21.65" 550 mm 9.4 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 40 Ton/mt max - 13 US Ton/ft max

**30°**

W=3.94 | R=0.039 | V=0.39 in  
 W=100 | R=1.0 | V=10 mm



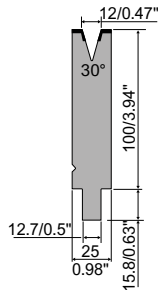
**ASD100.12.30**

19.68" 500 mm 10.3 kg  
 9.84" 250 mm 5.1 kg FC  
 21.65" 550 mm 11.3 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 40 Ton/mt max - 13 US Ton/ft max

**30°**

W=3.94 | R=0.039 | V=0.47 in  
 W=100 | R=1.0 | V=12 mm



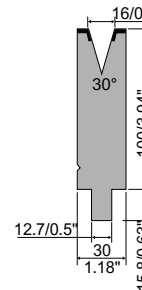
**ASD100.16.30**

19.68" 500 mm 11.8 kg  
 9.84" 250 mm 6.0 kg FC  
 21.65" 550 mm 13.0 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 50 Ton/mt max - 17 US Ton/ft max

**30°**

W=3.94 | R=0.063 | V=0.63 in  
 W=100 | R=1.6 | V=16 mm



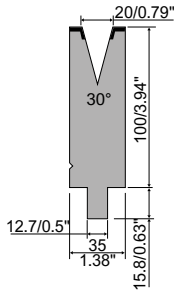
**ASD100.20.30**

19.68" 500 mm 13.2 kg  
 9.84" 250 mm 6.5 kg FC  
 21.65" 550 mm 15.0 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 60 Ton/mt max - 20 US Ton/ft max

**30°**

W=3.94 | R=0.079 | V=0.79 in  
 W=100 | R=2.0 | V=20 mm



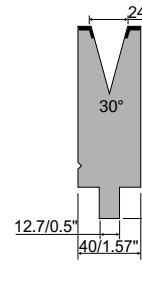
**ASD100.24.30**

19.68" 500 mm 14.8 kg  
 9.84" 250 mm 7.4 kg FC  
 21.65" 550 mm 16.2 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 65 Ton/mt max - 22 US Ton/ft max

**30°**

W=3.94 | R=0.098 | V=0.94 in  
 W=100 | R=2.5 | V=24 mm



F: 1100 mm - 43.30"

mm: 400 - 200 - 100 - 100 - 75 - 60 - 50 - 40 - 30 - 20 - 15 - 10  
 in: 15.75-7.87-3.94-3.94-2.95-2.36-1.97-1.57-1.18-0.78-0.59-0.39



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**ASD100.30.30**

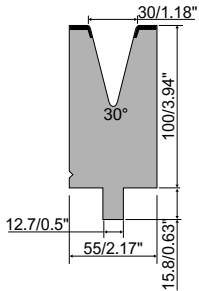


19.68" 500 mm 19.0 kg  
 9.84" 250 mm 9.5 kg FC  
 21.65" 550 mm 21.0 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 90 Ton/mt max - 30 US Ton/ft max

**30°**

W=3.94 | R=0.118 | V=1.18 in  
 W=100 | R=3.0 | V=30 mm



**ASD100.40.30**

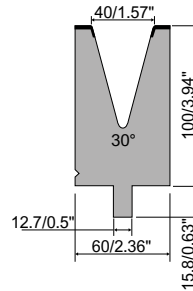


19.68" 500 mm 18.3 kg  
 9.84" 250 mm 9.3 kg FC  
 21.65" 550 mm 20.1 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 90 Ton/mt max - 30 US Ton/ft max

**30°**

W=3.94 | R=0.197 | V=1.57 in  
 W=100 | R=5.0 | V=40 mm



F: 1100 mm - 43.30"

mm: 400 - 200 - 100 - 100 - 75 - 60 - 50 - 40 - 30 - 20 - 15 - 10  
 in: 15.75-7.87-3.94-3.94-2.95-2.36-1.97-1.57-1.18-0.78-0.59-0.39



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**ASD120.120.60**

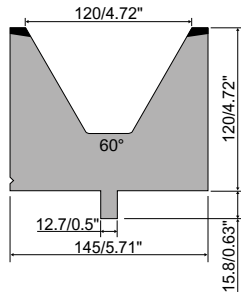


19.68" 500 mm 44.5 kg  
 9.84" 250 mm 22.8 kg FC  
 21.65" 550 mm 49.0 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 160 Ton/mt max - 54 US Ton/ft max

**60°**

W=4.72 | R=0.31 | V=4.72 in  
 W=120 | R=8.0 | V=120 mm



**ASD100.60.80**

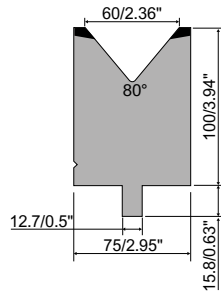


19.68" 500 mm 25.8 kg  
 9.84" 250 mm 13.0 kg FC  
 21.65" 550 mm 28.4 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 150 Ton/mt max - 50 US Ton/ft max

**80°**

W=3.94 | R=0.197 | V=2.36 in  
 W=100 | R=5.0 | V=60 mm



**ASD100.70.80**

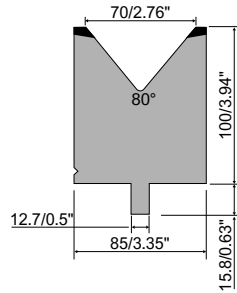


19.68" 500 mm 28.2 kg  
 9.84" 250 mm 14.1 kg FC  
 21.65" 550 mm 31.0 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 150 Ton/mt max - 50 US Ton/ft max

**80°**

W=3.94 | R=0.197 | V=2.76 in  
 W=100 | R=5.0 | V=70 mm



**ASD100.80.80**

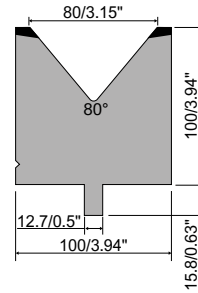


19.68" 500 mm 32.3 kg  
 9.84" 250 mm 16.1 kg FC  
 21.65" 550 mm 35.5 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 150 Ton/mt max - 50 US Ton/ft max

**80°**

W=3.94 | R=0.197 | V=3.15 in  
 W=100 | R=5.0 | V=80 mm



**ASD120.90.80**

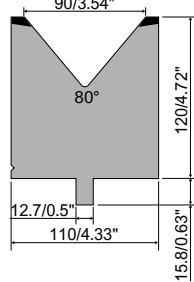


19.68" 500 mm 42.1 kg  
 9.84" 250 mm 21.0 kg FC  
 21.65" 550 mm 46.3 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 150 Ton/mt max - 50 US Ton/ft max

**80°**

W=4.72 | R=0.31 | V=3.54 in  
 W=120 | R=8.0 | V=90 mm



**ASD120.100.80**

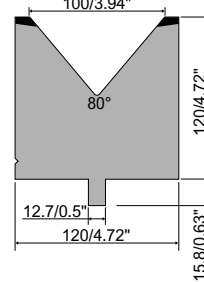


19.68" 500 mm 44.7 kg  
 9.84" 250 mm 22.4 kg FC  
 21.65" 550 mm 49.2 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 150 Ton/mt max - 50 US Ton/ft max

**80°**

W=4.72 | R=0.31 | V=3.94 in  
 W=120 | R=8.0 | V=100 mm



FC: 250 mm - 9.84"

mm: 50-45-40-40-35-30-25-25  
 in: 1.96-1.77-1.57-1.37-1.18-0.98-0.98

FW: 550 mm - 21.65"

mm: 200-100-50-45-40-35-30-25-25  
 in: 7.87-3.94-1.97-1.77-1.57-1.37-1.18-0.98-0.98





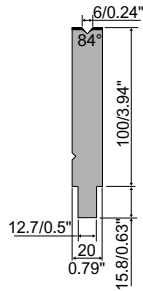
**ASD100.06.84**

19.68" 500 mm 8.8 kg  
 9.84" 250 mm 4.4 kg FC  
 21.65" 550 mm 8.8 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 120 Ton/mt max - 40 US Ton/ft max

**84°**

W=3.94 | R=0.024 | V=0.24 in  
 W=100 | R=0.6 | V=6 mm



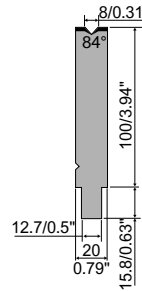
**ASD100.08.84**

19.68" 500 mm 8.8 kg  
 9.84" 250 mm 4.4 kg FC  
 21.65" 550 mm 9.7 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 115 Ton/mt max - 39 US Ton/ft max

**84°**

W=3.94 | R=0.031 | V=0.31 in  
 W=100 | R=0.8 | V=8 mm



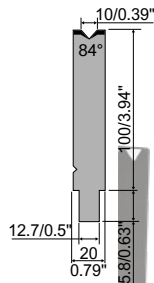
**ASD100.10.84**

19.68" 500 mm 8.8 kg  
 9.84" 250 mm 4.4 kg FC  
 21.65" 550 mm 9.6 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 110 Ton/mt max - 37 US Ton/ft max

**84°**

W=3.94 | R=0.039 | V=0.39 in  
 W=100 | R=1.0 | V=10 mm



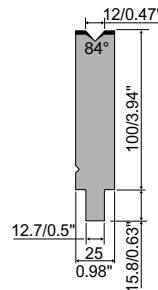
**ASD100.12.84**

19.68" 500 mm 10.7 kg  
 9.84" 250 mm 5.3 kg FC  
 21.65" 550 mm 11.7 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 120 Ton/mt max - 40 US Ton/ft max

**84°**

W=3.94 | R=0.039 | V=0.47 in  
 W=100 | R=1.0 | V=12 mm



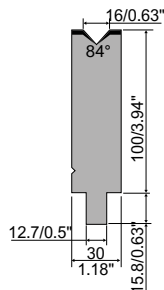
**ASD100.16.84**

19.68" 500 mm 12.5 kg  
 9.84" 250 mm 6.3 kg FC  
 21.65" 550 mm 13.8 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 120 Ton/mt max - 40 US Ton/ft max

**84°**

W=3.94 | R=0.063 | V=0.63 in  
 W=100 | R=1.6 | V=16 mm



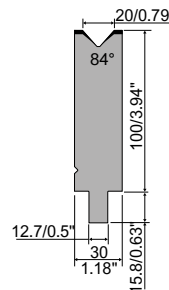
**ASD100.20.84**

19.68" 500 mm 12.2 kg  
 9.84" 250 mm 6.1 kg FC  
 21.65" 550 mm 13.4 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 115 Ton/mt max - 39 US Ton/ft max

**84°**

W=3.94 | R=0.079 | V=0.79 in  
 W=100 | R=2.0 | V=20 mm



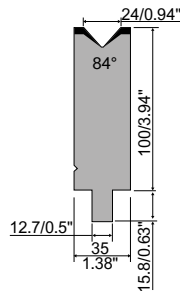
**ASD100.24.84**

19.68" 500 mm 14.0 kg  
 9.84" 250 mm 7.0 kg FC  
 21.65" 550 mm 15.4 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 120 Ton/mt max - 40 US Ton/ft max

**84°**

W=3.94 | R=0.098 | V=0.94 in  
 W=100 | R=2.5 | V=24 mm



FC: 250 mm - 9.84"  
 mm: 50-45-40-40-35-30-25-25  
 in: 1.96-1.77-1.57-1.37-1.18-0.98-0.98

FW: 550 mm - 21.65"  
 mm: 200-100-50-45-40-35-30-25-25  
 in: 7.87-3.94-1.97-1.77-1.57-1.37-1.18-0.98-0.98



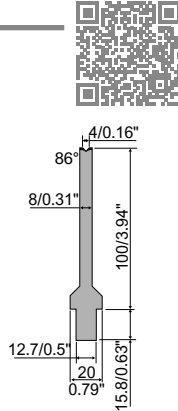
**ASD100.04.86**

19.68" 500 mm 4.8 kg  
 9.84" 250 mm 2.4 kg FC  
 21.65" 550 mm 5.2 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 25 Ton/mt max - 8 US Ton/ft max

**86°**

W=3.94 | R=0.024 | V=0.16 in  
 W=100 | R=0.6 | V=4 mm



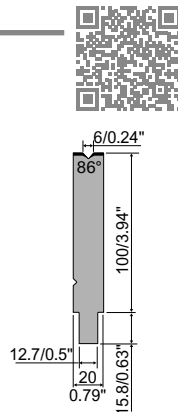
**ASD100.06.86**

19.68" 500 mm 8.9 kg  
 9.84" 250 mm 4.4 kg FC  
 21.65" 550 mm 8.9 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 120 Ton/mt max - 40 US Ton/ft max

**86°**

W=3.94 | R=0.024 | V=0.24 in  
 W=100 | R=0.6 | V=6 mm



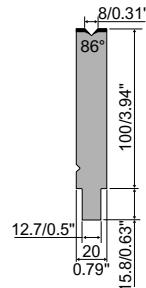
**ASD100.08.86**

19.68" 500 mm 8.9 kg  
 9.84" 250 mm 4.4 kg FC  
 21.65" 550 mm 8.9 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 115 Ton/mt max - 39 US Ton/ft max

**86°**

W=3.94 | R=0.031 | V=0.31 in  
 W=100 | R=0.8 | V=8 mm



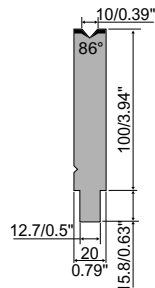
**ASD100.10.86**

19.68" 500 mm 8.9 kg  
 9.84" 250 mm 4.4 kg FC  
 21.65" 550 mm 8.9 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 110 Ton/mt max - 37 US Ton/ft max

**86°**

W=3.94 | R=0.039 | V=0.39 in  
 W=100 | R=1.0 | V=10 mm



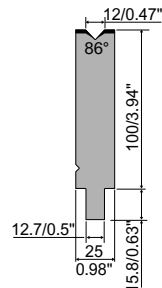
**ASD100.12.86**

19.68" 500 mm 8.9 kg  
 9.84" 250 mm 5.3 kg FC  
 21.65" 550 mm 8.9 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 120 Ton/mt max - 40 US Ton/ft max

**86°**

W=3.94 | R=0.039 | V=0.47 in  
 W=100 | R=1.0 | V=12 mm



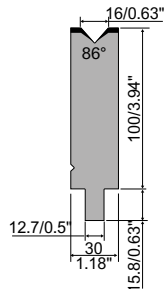
**ASD100.16.86**

19.68" 500 mm 8.9 kg  
 9.84" 250 mm 6.3 kg FC  
 21.65" 550 mm 8.9 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 120 Ton/mt max - 40 US Ton/ft max

**86°**

W=3.94 | R=0.063 | V=0.63 in  
 W=100 | R=1.6 | V=16 mm



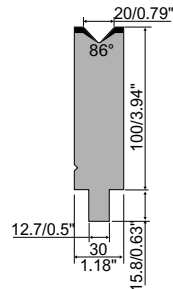
**ASD100.20.86**

19.68" 500 mm 12.2 kg  
 9.84" 250 mm 6.1 kg FC  
 21.65" 550 mm 13.5 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 115 Ton/mt max - 39 US Ton/ft max

**86°**

W=3.94 | R=0.079 | V=0.79 in  
 W=100 | R=2.0 | V=20 mm



FC: 250 mm - 9.84"

mm: 50-45-40-40-35-30-25-25  
 in: 1.96-1.77-1.57-1.37-1.18-0.98-0.98

FW: 550 mm - 21.65"

mm: 200-100-50-45-40-35-30-25-25  
 in: 7.87-3.94-1.97-1.77-1.57-1.37-1.18-0.98-0.98





**ASD100.24.86**

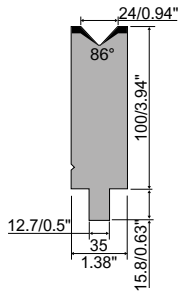


19.68" 500 mm 14.0 kg  
 9.84" 250 mm 7.0 kg FC  
 21.65" 550 mm 15.5 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 120 Ton/mt max - 40 US Ton/ft max

**86°**

W=3.94 | R=0.098 | V=0.94 in  
 W=100 | R=2.5 | V=24 mm



**ASD100.30.86**

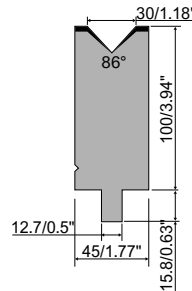


19.68" 500 mm 17.6 kg  
 9.84" 250 mm 8.8 kg FC  
 21.65" 550 mm 19.4 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 120 Ton/mt max - 40 US Ton/ft max

**86°**

W=3.94 | R=0.118 | V=1.18 in  
 W=100 | R=3.0 | V=30 mm



**ASD100.40.86**

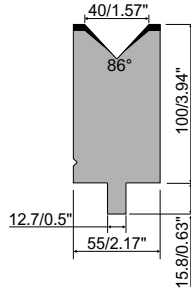


19.68" 500 mm 6.5 kg  
 9.84" 250 mm 14.0 kg FC  
 21.65" 550 mm 22.8 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 120 Ton/mt max - 40 US Ton/ft max

**86°**

W=3.94 | R=0.118 | V=1.57 in  
 W=100 | R=3.0 | V=40 mm



**ASD100.50.86**

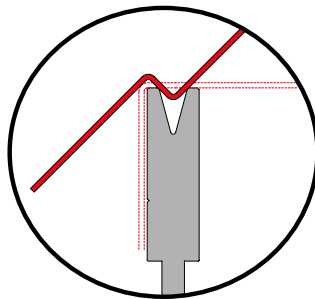
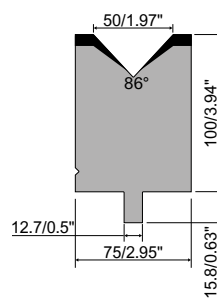


19.68" 500 mm 6.5 kg  
 9.84" 250 mm 14.0 kg FC  
 21.65" 550 mm 22.8 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 150 Ton/mt max - 50 US Ton/ft max

**86°**

W=3.94 | R=0.118 | V=1.97 in  
 W=100 | R=3.0 | V=50 mm



FC: 250 mm - 9.84"  
 mm: 50-45-40-40-35-30-25-25  
 in: 1.96-1.77-1.57-1.37-1.18-0.98-0.98



FW: 550 mm - 21.65"  
 mm: 200-100-50-45-40-35-30-25-25  
 in: 7.87-3.94-1.97-1.77-1.57-1.37-1.18-0.98-0.98





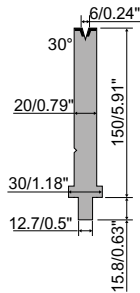
**ASD150.06.30**

19.68" 500 mm 13.0 kg  
 9.84" 250 mm 6.5 kg FC  
 21.65" 550 mm 14.3 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 40 Ton/mt max - 13 US Ton/ft max

**30°**

W=5.91 | R=0.024 | V=0.24 in  
 W=150 | R=0.6 | V=6 mm



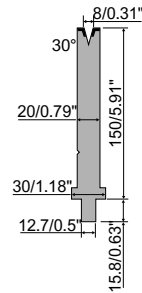
**ASD150.08.30**

19.68" 500 mm 13.0 kg  
 9.84" 250 mm 6.5 kg FC  
 21.65" 550 mm 14.3 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 40 Ton/mt max - 13 US Ton/ft max

**30°**

W=5.91 | R=0.039 | V=0.31 in  
 W=150 | R=1.0 | V=8 mm



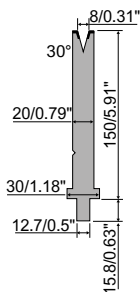
**ASD150.10.30**

19.68" 500 mm 12.8 kg  
 9.84" 250 mm 6.4 kg FC  
 21.65" 550 mm 13.9 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 40 Ton/mt max - 13 US Ton/ft max

**30°**

W=5.91 | R=0.039 | V=0.39 in  
 W=150 | R=1.0 | V=10 mm



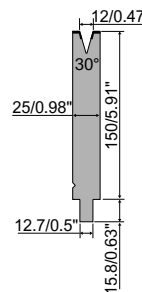
**ASD150.12.30**

19.68" 500 mm 15.2 kg  
 9.84" 250 mm 7.6 kg FC  
 21.65" 550 mm 16.7 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 40 Ton/mt max - 13 US Ton/ft max

**30°**

W=5.91 | R=0.039 | V=0.47 in  
 W=150 | R=1.0 | V=12 mm



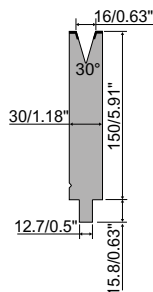
**ASD150.16.30**

19.68" 500 mm 17.7 kg  
 9.84" 250 mm 8.9 kg FC  
 21.65" 550 mm 19.6 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 50 Ton/mt max - 17 US Ton/ft max

**30°**

W=5.91 | R=0.063 | V=0.63 in  
 W=150 | R=1.6 | V=16 mm



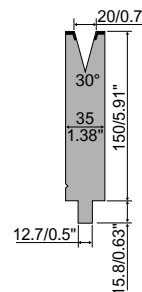
**ASD150.20.30**

19.68" 500 mm 20.1 kg  
 9.84" 250 mm 10.0 kg FC  
 21.65" 550 mm 22.0 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 60 Ton/mt max - 20 US Ton/ft max

**30°**

W=5.91 | R=0.079 | V=0.079 in  
 W=150 | R=2.0 | V=20 mm



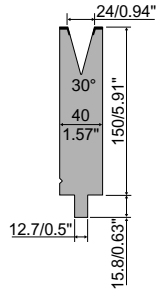
**ASD150.24.30**

19.68" 500 mm 22.3 kg  
 9.84" 250 mm 11.2 kg FC  
 21.65" 550 mm 24.5 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 65 Ton/mt max - 22 US Ton/ft max

**30°**

W=5.91 | R=0.098 | V=0.94 in  
 W=150 | R=2.5 | V=24 mm



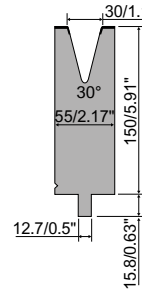
**ASD150.30.30**

19.68" 500 mm 30.0 kg  
 9.84" 250 mm 15.0 kg FC  
 21.65" 550 mm 33.0 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 90 Ton/mt max - 30 US Ton/ft max

**30°**

W=5.91 | R=0.118 | V=1.1-8 in  
 W=150 | R=3.0 | V=30 mm



FC: 250 mm - 9.84"

mm: 50-45-40-40-35-30-25-25  
 in: 1.96-1.77-1.57-1.37-1.18-0.98-0.98

FW: 550 mm - 21.65"

mm: 200-100-50-45-40-35-30-25-25  
 in: 7.87-3.94-1.97-1.77-1.57-1.37-1.18-0.98-0.98







**ASD150.40.30**

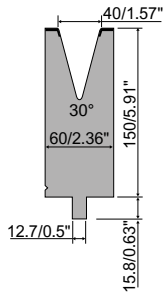


19.68" 500 mm 30.1 kg  
 9.84" 250 mm 15.1 kg FC  
 21.65" 550 mm 33.1 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 90 Ton/mt max - 30 US Ton/ft max

**30°**

W=150 | R=5.0 | V=40 mm  
 W=5.91 | R=0.197 | V=1.57 in



**Staged extra tall block dies**

**ASD150.24.80**

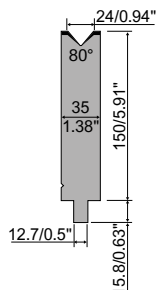


19.68" 500 mm 20.9 kg  
 9.84" 250 mm 10.4 kg FC  
 21.65" 550 mm 22.9 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 70 Ton/mt max - 24 US Ton/ft max

**80°**

W=5.91 | R=0.098 | V=0.94 in  
 W=150 | R=2.5 | V=24 mm



**ASD150.30.80**

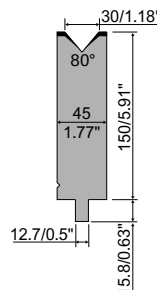


19.68" 500 mm 26.3 kg  
 9.84" 250 mm 13.1 kg FC  
 21.65" 550 mm 28.9 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 90 Ton/mt max - 30 US Ton/ft max

**80°**

W=5.91 | R=0.197 | V=1.18 in  
 W=150 | R=5.0 | V=30 mm



**ASD150.40.80**

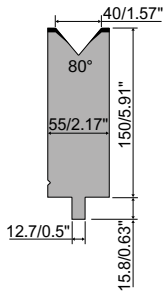


19.68" 500 mm 31.3 kg  
 9.84" 250 mm 15.6 kg FC  
 21.65" 550 mm 34.4 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 120 Ton/mt max - 40 US Ton/ft max

**80°**

W=5.91 | R=0.197 | V=1.57 in  
 W=150 | R=5.0 | V=40 mm



**ASD150.50.80**

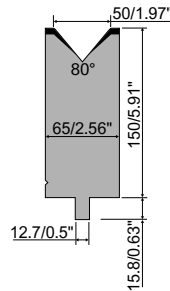


19.68" 500 mm 36.0 kg  
 9.84" 250 mm 18.0 kg FC  
 21.65" 550 mm 39.6 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 150 Ton/mt max - 50 US Ton/ft max

**80°**

W=5.91 | R=0.197 | V=1.97 in  
 W=150 | R=5.0 | V=50 mm



FC: 250 mm - 9.84"  
 mm: 50-45-40-40-35-30-25-25  
 in: 1.96-1.77-1.57-1.37-1.18-0.98-0.98

FW: 550 mm - 21.65"  
 mm: 200-100-50-45-40-35-30-25-25  
 in: 7.87-3.94-1.97-1.77-1.57-1.37-1.18-0.98-0.98





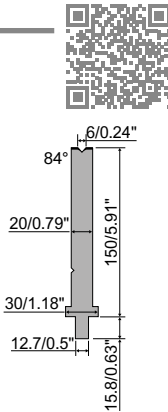
**ASD150.06.84**

19.68" 500 mm 13.1 kg  
 9.84" 250 mm 6.6 kg FC  
 21.65" 550 mm 14.3 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 40 Ton/mt max - 13 US Ton/ft max

**84°**

W=5.91 | R=0.024 | V=0.24 in  
 W=150 | R=0.6 | V=6 mm



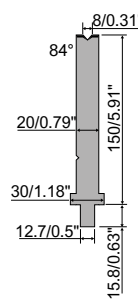
**ASD150.08.84**

19.68" 500 mm 13.1 kg  
 9.84" 250 mm 6.6 kg FC  
 21.65" 550 mm 14.3 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 40 Ton/mt max - 13 US Ton/ft max

**84°**

W=5.91 | R=0.031 | V=0.31 in  
 W=150 | R=0.8 | V=8 mm



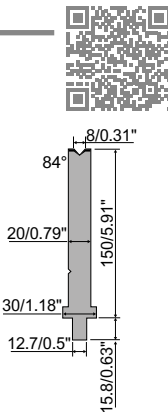
**ASD150.10.84**

19.68" 500 mm 13.0 kg  
 9.84" 250 mm 6.5 kg FC  
 21.65" 550 mm 14.3 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 50 Ton/mt max - 17 US Ton/ft max

**84°**

W=5.91 | R=0.039 | V=0.39 in  
 W=150 | R=1.0 | V=10 mm



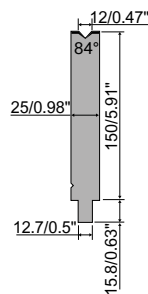
**ASD150.12.84**

19.68" 500 mm 15.5 kg  
 9.84" 250 mm 7.8 kg FC  
 21.65" 550 mm 17.0 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 50 Ton/mt max - 17 US Ton/ft max

**84°**

W=5.91 | R=0.039 | V=0.47 in  
 W=150 | R=1.0 | V=12 mm



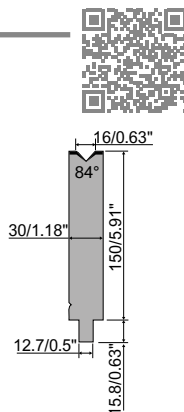
**ASD150.16.84**

19.68" 500 mm 18.4 kg  
 9.84" 250 mm 9.2 kg FC  
 21.65" 550 mm 20.2 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 50 Ton/mt max - 17 US Ton/ft max

**84°**

W=5.91 | R=0.063 | V=0.63 in  
 W=150 | R=1.6 | V=16 mm



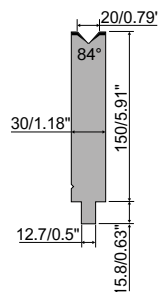
**ASD150.20.84**

19.68" 500 mm 18.3 kg  
 9.84" 250 mm 9.1 kg FC  
 21.65" 550 mm 20.0 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 50 Ton/mt max - 17 US Ton/ft max

**84°**

W=5.91 | R=0.079 | V=0.79 in  
 W=150 | R=2.0 | V=20 mm



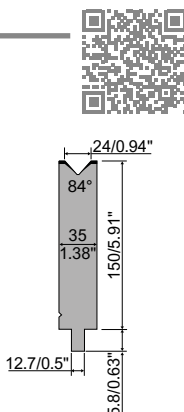
**ASD150.24.84**

19.68" 500 mm 20.9 kg  
 9.84" 250 mm 10.4 kg FC  
 21.65" 550 mm 22.9 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 50 Ton/mt max - 17 US Ton/ft max

**84°**

W=5.91 | R=0.098 | V=0.94 in  
 W=150 | R=2.5 | V=24 mm



FC: 250 mm - 9.84"  
 mm: 50-45-40-40-35-30-25-25  
 in: 1.96-1.77-1.57-1.37-1.18-0.98-0.98

FW: 550 mm - 21.65"  
 mm: 200-100-50-45-40-35-30-25-25  
 in: 7.87-3.94-1.97-1.77-1.57-1.37-1.18-0.98-0.98



**ASD150.06.86**

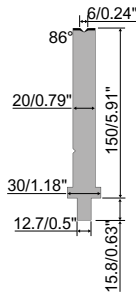


19.68" 500 mm 6.5 kg  
 9.84" 250 mm 14.0 kg FC  
 21.65" 550 mm 22.8 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 40 Ton/mt max - 13 US Ton/ft max

**84°**

W=5.91 | R=0.024 | V=0.24 in  
 W=150 | R=0.6 | V=6 mm



**ASD150.08.86**

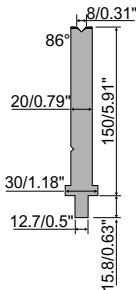


19.68" 500 mm 6.5 kg  
 9.84" 250 mm 14.0 kg FC  
 21.65" 550 mm 22.8 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 40 Ton/mt max - 13 US Ton/ft max

**86°**

W=5.91 | R=0.031 | V=0.31 in  
 W=150 | R=0.8 | V=8 mm



**ASD150.10.86**

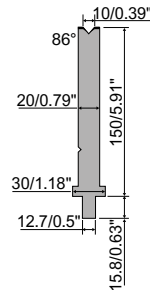


19.68" 500 mm 13.0 kg  
 9.84" 250 mm 6.5 kg FC  
 21.65" 550 mm 14.3 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 50 Ton/mt max - 17 US Ton/ft max

**86°**

W=5.91 | R=0.039 | V=0.39 in  
 W=150 | R=1.0 | V=10 mm



**ASD150.12.86**

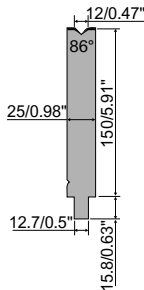


19.68" 500 mm 15.5 kg  
 9.84" 250 mm 7.8 kg FC  
 21.65" 550 mm 17.0 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 50 Ton/mt max - 17 US Ton/ft max

**86°**

W=5.91 | R=0.039 | V=0.47 in  
 W=150 | R=1.0 | V=12 mm



**ASD150.16.86**

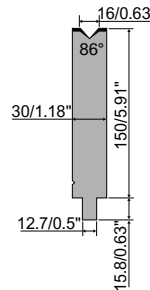


19.68" 500 mm 18.4 kg  
 9.84" 250 mm 9.2 kg FC  
 21.65" 550 mm 20.0 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 70 Ton/mt max - 24 US Ton/ft max

**86°**

W=5.91 | R=0.063 | V=0.63 in  
 W=150 | R=1.6 | V=16 mm



**ASD150.20.86**

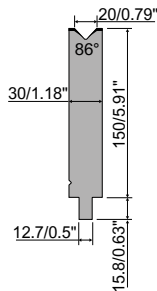


19.68" 500 mm 18.3 kg  
 9.84" 250 mm 9.1 kg FC  
 21.65" 550 mm 20.0 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 70 Ton/mt max - 24 US Ton/ft max

**86°**

W=5.91 | R=0.079 | V=0.79 in  
 W=150 | R=2.0 | V=20 mm



**ASD150.24.86**

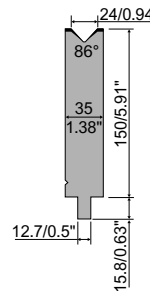


19.68" 500 mm 20.9 kg  
 9.84" 250 mm 10.5 kg FC  
 21.65" 550 mm 23.0 kg FW

42Cr: 900-1150 N/mm<sup>2</sup>  
 70 Ton/mt max - 24 US Ton/ft max

**86°**

W=5.91 | R=0.098 | V=0.94 in  
 W=150 | R=2.5 | V=24 mm



FC: 250 mm - 9.84"  
 mm: 50-45-40-40-35-30-25-25  
 in: 1.96-1.77-1.57-1.37-1.18-0.98-0.98

FW: 550 mm - 21.65"  
 mm: 200-100-50-45-40-35-30-25-25  
 in: 7.87-3.94-1.97-1.77-1.57-1.37-1.18-0.98-0.98

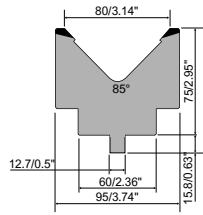


**ASD80.85.80**

32.87" 835 mm 33.5 kg  
 16.34" 415 mm 16.6 kg  
 31.29" 795 mm 31.9 kg FX  
 31.69" 805 mm 32.2 kg F

C45: 560-710 N/mm<sup>2</sup>  
 100 Ton/mt max - 33 US Ton/ft max

**85°**  
 W=3.14 | R=0.24 | V=3.14 in  
 W=80 | R=6.0 | V=80 mm

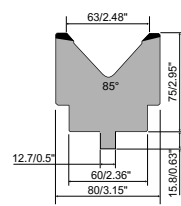


**ASD75.85.63**

32.87" 835 mm 29.2 kg  
 16.34" 415 mm 14.5 kg  
 31.29" 795 mm 27.8 kg FX  
 31.69" 805 mm 28.0 kg F

C45: 560-710 N/mm<sup>2</sup>  
 100 Ton/mt max - 33 US Ton/ft max

**85°**  
 W=2.96 | R=0.196 | V=2.48 in  
 W=75 | R=5.0 | V=63 mm

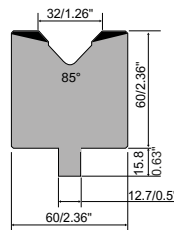


**ASD60.32.85**

32.87" 835 mm 21.6 kg  
 16.34" 415 mm 10.7 kg  
 31.29" 795 mm 20.6 kg FX  
 31.69" 805 mm 20.8 kg F

C45: 560-710 N/mm<sup>2</sup>  
 100 Ton/mt max - 33 US Ton/ft max

**85°**  
 W=2.36 | R=0.157 | V=1.269 in  
 W=60 | R=4.0 | V=32 mm

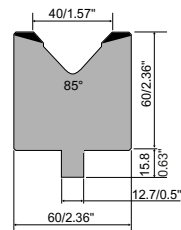


**ASD60.40.85**

32.87" 835 mm 20.0 kg  
 16.34" 415 mm 10.5 kg  
 31.29" 795 mm 19.0 kg FX  
 31.69" 805 mm 18.3 kg F

C45: 560-710 N/mm<sup>2</sup>  
 100 Ton/mt max - 33 US Ton/ft max

**85°**  
 W=2.36 | R=0.157 | V=1.57 in  
 W=60 | R=4.0 | V=40 mm

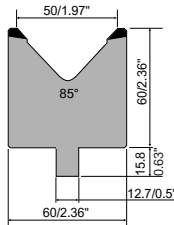


**ASD60.50.85**

32.87" 835 mm 19.0 kg  
 16.34" 415 mm 9.5 kg  
 31.29" 795 mm 18.1 kg FX  
 31.69" 805 mm 18.3 kg F

C45: 560-710 N/mm<sup>2</sup>  
 100 Ton/mt max - 33 US Ton/ft max

**85°**  
 W=2.36 | R=0.16 | V=1.97 in  
 W=60 | R=4.0 | V=50 mm

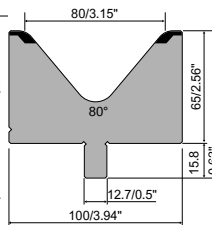


**ASD65.80.80**

39.37" 1000 mm 39.0 kg  
 19.68" 500 mm 20.0 kg  
 43.31" 1100 mm 43.0 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 170 Ton/mt max - 57 US Ton/ft max

**80°**  
 W=2.56 | R=0.394 | V=3.15 in  
 W=65 | R=10 | V=80 mm

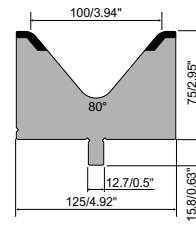


**ASD85.100.80**

39.37" 1000 mm 62.0 kg  
 19.68" 500 mm 31.0 kg  
 43.31" 1100 mm 69.0 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 230 Ton/mt max - 77 US Ton/ft max

**80°**  
 W=3.35 | R=0.472 | V=3.94 in  
 W=85 | R=12 | V=100 mm



FX: 795 mm - 31.29"

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

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

F: 805 mm - 31.69"

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

in: 3.94-14.56-0.39-0.59-0.78-1.57-1.57-1.96-7.87

### ASD95.80.100

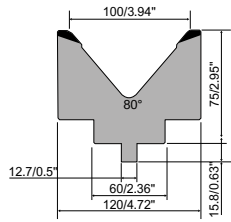


32.87" 835 mm 46.2 kg  
 16.34" 415 mm 22.9 kg  
 31.29" 795 mm 44.0 kg FX  
 31.69" 805 mm 44.5 kg F

C45: 560-710 N/mm<sup>2</sup>  
 100 Ton/mt max - 33 US Ton/ft max

**80°**

W=3.74 | R=0.314 | V=3.94 in  
 W=95 | R=8.0 | V=100 mm



### ASD103.80.125

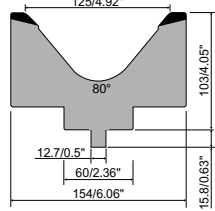


32.87" 835 mm 62.0 kg  
 16.34" 415 mm 31.0 kg  
 31.29" 795 mm 59.8 kg FX  
 31.69" 805 mm 59.8 kg F

C45: 560-710 N/mm<sup>2</sup>  
 100 Ton/mt max - 33 US Ton/ft max

**80°**

W=4.05 | R=0.59 | V=4.92 in  
 W=103 | R=15 | V=125 mm



### ASD130.160.80

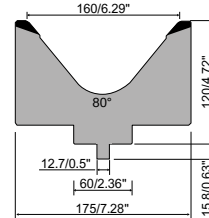


32.87" 835 mm 64.9 kg  
 16.34" 415 mm 32.2 kg  
 31.29" 795 mm 61.4 kg FX  
 31.69" 805 mm 62.5 kg F

C45: 560-710 N/mm<sup>2</sup>  
 100 Ton/mt max - 33 US Ton/ft max

**80°**

W=5.12 | R=0.39 | V=6.29 in  
 W=130 | R=10 | V=160 mm



### ASD65.60.60

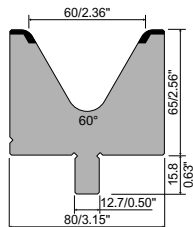


39.37" 1000 mm 39.0 kg  
 19.68" 500 mm 20.0 kg  
 43.31" 1100 mm 43.0 kg F

42Cr: 900-1150 N/mm<sup>2</sup>  
 170 Ton/mt max - 57 US Ton/ft max

**60°**

W=2.56 | R=0.276 | V=2.36 in  
 W=65 | R=7 | V=60 mm



FX: 795 mm - 31.29"

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

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

F: 805 mm - 31.69"

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

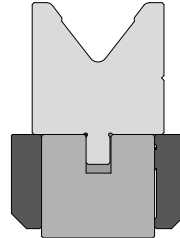
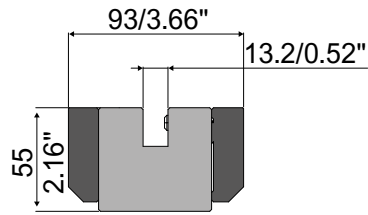
in: 3.94-14.56-0.39-0.59-0.78-1.57-1.57-1.96-7.87



**CTS60.U**



32.87" 835 mm 29.0 kg  
16.34" 415 mm 14.5 kg

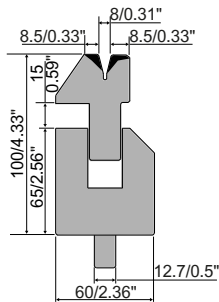


**ASH110.28.08**



32.87" 835 mm 31.7 kg  
16.34" 415 mm 15.7 kg

C45: 560-710 N/mm<sup>2</sup>  
80 Ton/mt max - 27 US Ton/ft max

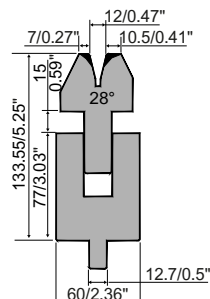


**ASH135.28.12**



32.87" 835 mm 40.9 kg  
16.34" 415 mm 20.3 kg

C45: 560-710 N/mm<sup>2</sup>  
100 Ton/mt max - 33 US Ton/ft max



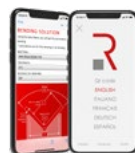
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Rolleri **FREEZINC** is a surface treatment to avoid metal residues of galvanized steel or aluminium from remaining on tools during bending. Tools are also protected from oxidation.

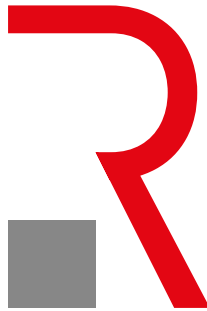


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