

PUNCHES ROLLERI TYPE R2

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■ Compatibility

Punches Roller Type R2 are **compatible** with press brake machines from: Hämmerle-Bystronic, LVD, Trumpf or on press brake machines with System NSCL (New Standard Clamping)

With Adapter-Systems the punches Roller Type R2 are also applicable on all other press brake machines.



Compatibility

Punches Roller Type R2 are:

- **compatible** with press brake machines from: Bystronic-Hämmerle, LVD, Trumpf or on press brake machines with System NSCL (New Standard Clamping)
- also applicable on all other press brake machines **with adapter-systems** (see page 222).

Our Advantages – Your Convenience

- own production facilities (no reseller or dealer)
- tracking of every tool possible, with a unique **serial number** on every article after the quality control check.
- precision grinding (tolerance of +/-0.01 mm)
- guaranteed tool reproduction
- exact parallelism
- precise, consistent working height
- tang retrofitting and modifications possible (see pages 256-257)
- very large stock availability

Material

The raw material is obtained from qualified suppliers which compose the chemical formulas according to international standards. Therefore, guaranteeing high resilience and tensile strength.

Material Type	Mechanical resistance of the material and the tool body	Hardness of the material and the tool body	Hardness of the operating surfaces after induction hardening
42CrMo4	900-1150 N/mm ²	29.1 - 36.9 HRC	54 - 60 HRC
C45	560-710 N/mm ²	12 - 15.5 HRC	54 - 60 HRC

- Specifications for the maximum press force kN/m are indicated as such, **1 t = 10 kN**.

Tang

All punches Roller Type R2 can be equipped with three different clamping systems.

1. QuickLock \updownarrow
2. Safety Pins \leftrightarrow
3. ROL-System \updownarrow

ATTENTION:

QuickLock

By default, all tools are delivered with the QuickLock system, provided that these weigh less than 12 kg. This applies to most sectioned tools and to some standard length tools.

If you prefer the QuickLock-System on tools which weigh more than 12 kg, it is possible to section the tool for a small surcharge.

Safety Pins

All tools that weigh more than 12 kg, are delivered by default with safety pins. This applies to all standard tool lengths and some segmented tools.

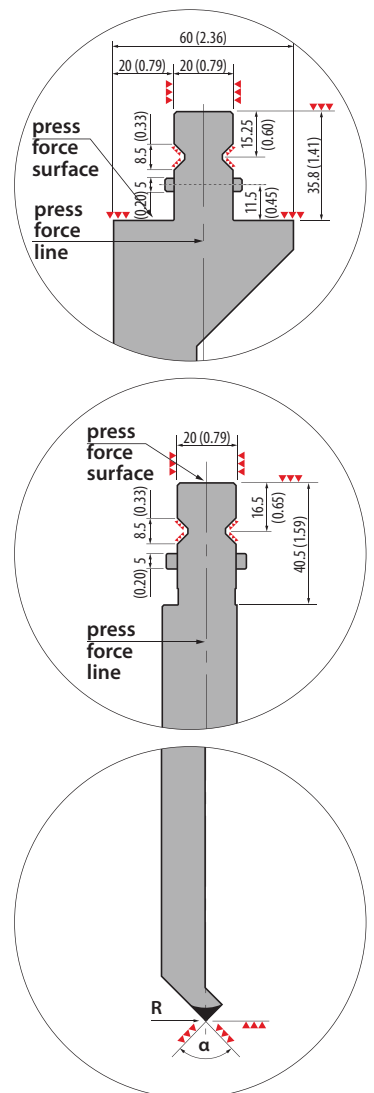
ROL1-System

Alternatively, you have the option of using tools with spring-loaded balls. Also here the max. weight is 12.5 kg per tool.

If you have any questions, please call to be assisted by one of our representatives!

Depending on each type, the punches are either head-bearing or shoulder-bearing.

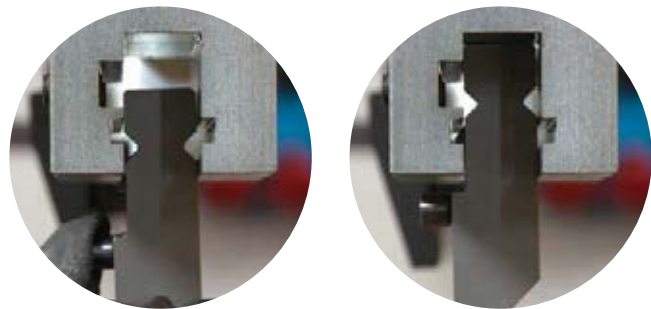
Indications of precision ground surfaces:



■ Clamping Systems

QuickLock (Standard)

- vertical tool exchange
- easy handling
- substantial savings on equipment costs
- applicable on tools < 12.0 kg
- applicable on tools > 12.0 kg through special sectioning possible



QuickLock



Rolleri Videos

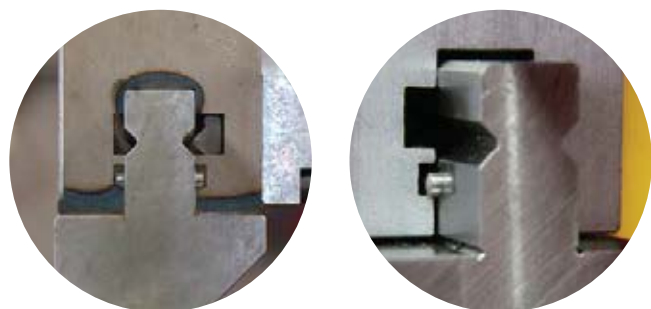
QuickLock System:
[www.rolleritools.com/
videos/quicklock](http://www.rolleritools.com/videos/quicklock)



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Safety Pins (Standard)

- horizontal tool exchange



ROL1-System

- vertical tool exchange through spring-loaded balls, which are built into the tool
- increased longevity
- easy handling
- requires hardened tang
- applicable on tools < 12.5 kg



Article on stock



Please ask for delivery time!

1 kg = 2.20 Pounds (lb) = 35.27 Ounces (oz)
100 mm = 3.94 Inch (in) = 0.33 Feet (ft)



Articles on stock – Please note that delivery time depends on your location.

R2 ROLLER TYPE R2

Content Explanation Punches

Tool Lengths and Sectioning

Standard

More lengths and sectionings are possible upon request.

500 mm (19.68 in)

515 mm (20.28 in)

525 mm (20.67 in)

Sectioning FA

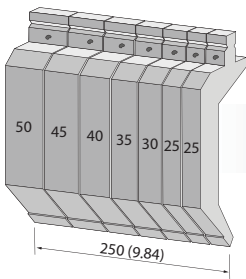
1250 (49.21) / 2050 (80.71) / 2550 (100.39) / 3050 (120.08) / 4050 (159.45) mm (in)

Length in mm (in)	25 (0.98)	30 (1.18)	35 (1.38)	40 (1.57)	45 (1.77)	50 (1.97)	100 (3.94) Horn l.	100 (3.94) Horn r.	100 (3.94)
1250 (49.21)	2	1	1	1	1	1	1	1	8
2050 (80.71)	2	1	1	1	1	1	1	1	16
2550 (100.39)	2	1	1	1	1	1	1	1	21
3050 (120.08)	2	1	1	1	1	1	1	1	26
4050 (159.45)	2	1	1	1	1	1	1	1	36

Sectioning FB

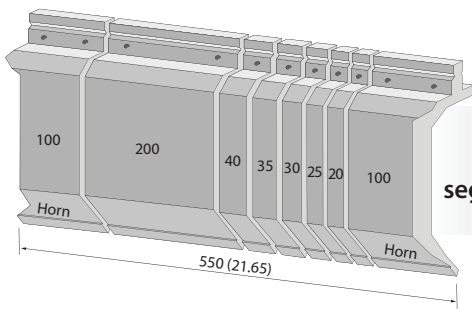
1250 (49.21) / 2050 (80.71) / 2550 (100.39) / 3050 (120.08) / 4050 (159.45) mm (in)

Length in mm (in)	25 (0.98)	30 (1.18)	35 (1.38)	40 (1.57)	45 (1.77)	50 (1.97)	100 (3.94) Horn l.	100 (3.94) Horn r.	100 (3.94)	200 (7.87)	300 (11.81)
1250 (49.21)	2	1	1	1	1	1	1	1	1	2	1
2050 (80.71)	2	1	1	1	1	1	1	1	1	3	3
2550 (100.39)	2	1	1	1	1	1	1	1	1	4	4
3050 (120.08)	2	1	1	1	1	1	1	1	1	5	5
4050 (159.45)	2	1	1	1	1	1	1	1	1	7	7

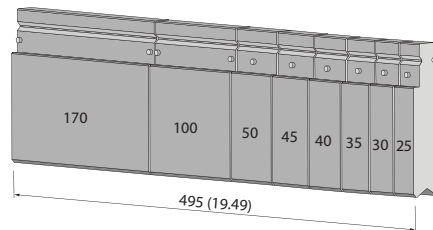


250 mm (9.84 in) segmented / FC
(7 segments)

Segmented tools are delivered in complete sets. Single pieces are also available!

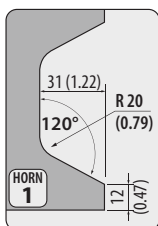


550 mm (21.65 in) segmented / FW
(8 segments)

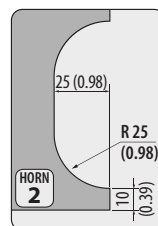


495 mm (19.49 in) segmented / F
(8 segments)

Horn Types



Horn 1
Standard for all segmented Punches Roller Type R2



Horn 2
for all segmented Punches Roller Type R2 of Length 550 mm (21.65 in)

R2 ROLLER TYPE R2

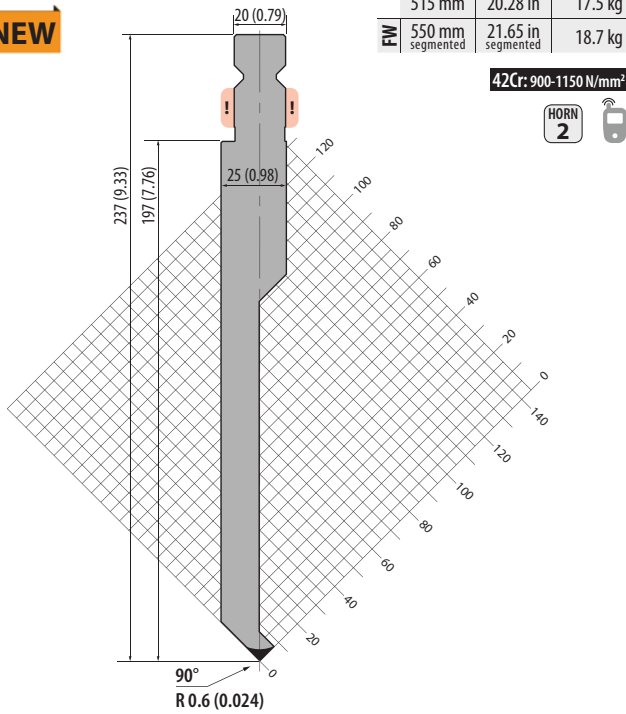
90° Punches



TPR237.90.R06

600 kN/m max.

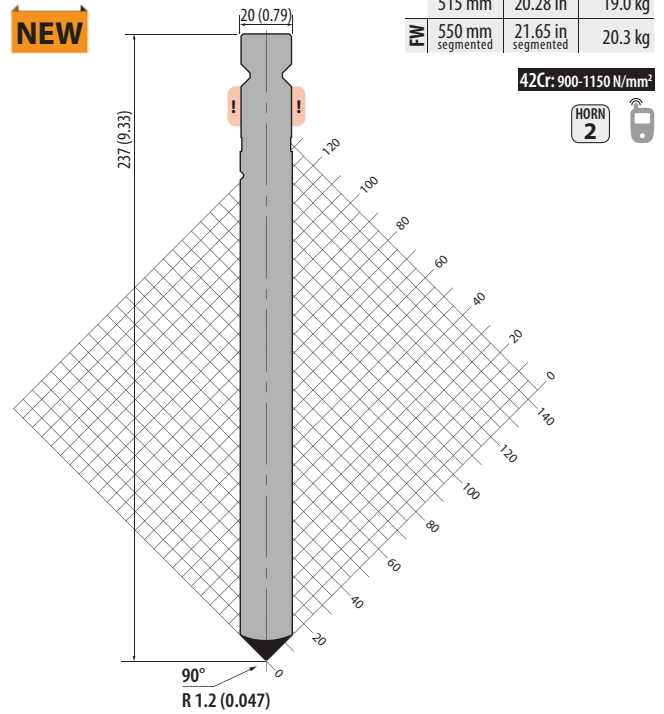
NEW



TPR237.90.R12

1000 kN/m max.

NEW

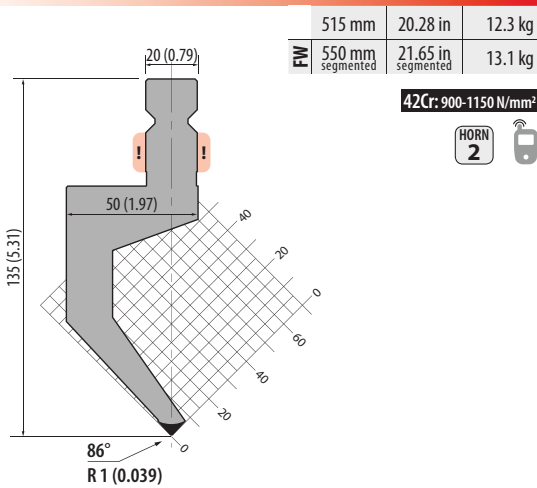


86° Punches

TPR135.86.R1

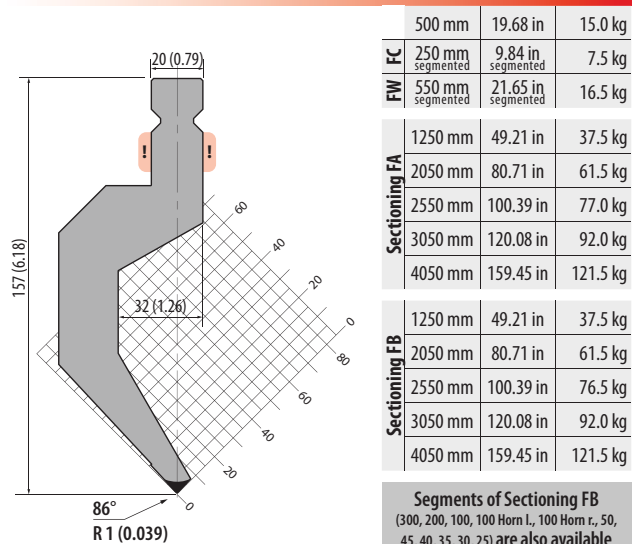
650 kN/m max.

NEW

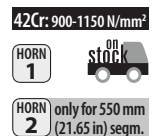


TPR157.86.R1

800 kN/m max.



Please choose the clamping system!
Standard-Equipping:
< 12 kg QuickLock
> 12 kg safety pins
Also available: ROL1-System see pages 82-83 for more information.



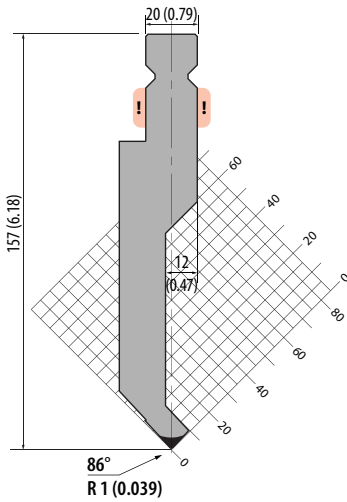
3
R2

R2 ROLLER TYPE R2

86° Punches

TPR157.86.R1-A

800 kN/m max.



	500 mm	19.68 in	12.5 kg
FW FC	250 mm segmented	9.84 in segmented	6.3 kg
	550 mm segmented	21.65 in segmented	13.8 kg
Sectioning FA	1250 mm	49.21 in	31.3 kg
	2050 mm	80.71 in	51.3 kg
	2550 mm	100.39 in	63.8 kg
	3050 mm	120.08 in	76.3 kg
	4050 mm	159.45 in	101.3 kg
Sectioning FB	1250 mm	49.21 in	31.3 kg
	2050 mm	80.71 in	51.3 kg
	2550 mm	100.39 in	63.8 kg
	3050 mm	120.08 in	76.3 kg
	4050 mm	159.45 in	101.3 kg

Segments of Sectioning FB (300, 200, 100, 100 Horn L, 100 Horn r., 50, 45, 40, 35, 30, 25) are also available separately (FD). Prices upon request!

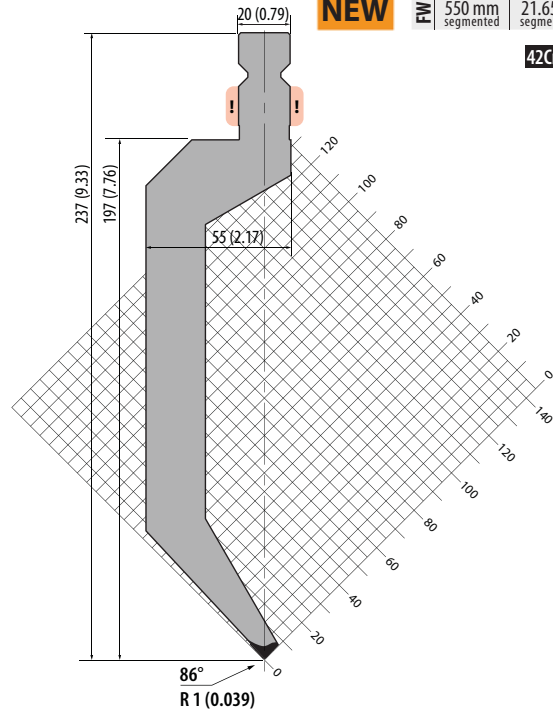
42Cr: 900-1150 N/mm²



HORN 2 only for 550 mm (21.65 in) segm.

TPR237.86.R1

500 kN/m max.



NEW

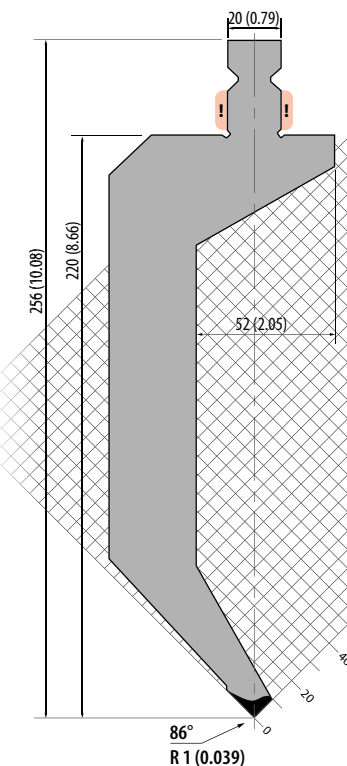
	515 mm	20.28 in	23.0 kg
FW FC	550 mm segmented	21.65 in segmented	24.6 kg

42Cr: 900-1150 N/mm²



TPR256.86.R1

800 kN/m max.



	500 mm	19.68 in	33.0 kg
FW FC	250 mm segmented	9.84 in segmented	16.5 kg
	550 mm segmented	21.65 in segmented	36.3 kg
Sectioning FA	1250 mm	49.21 in	82.5 kg
	2050 mm	80.71 in	136.0 kg
	2550 mm	100.39 in	189.0 kg
	3050 mm	120.08 in	202.0 kg
	4050 mm	159.45 in	268.0 kg
Sectioning FB	1250 mm	49.21 in	82.5 kg
	2050 mm	80.71 in	136.0 kg
	2550 mm	100.39 in	169.0 kg
	3050 mm	120.08 in	201.3 kg
	4050 mm	159.45 in	267.3 kg

Segments of Sectioning FB (300, 200, 100, 100 Horn L, 100 Horn r., 50, 45, 40, 35, 30, 25) are also available separately (FD). Prices upon request!

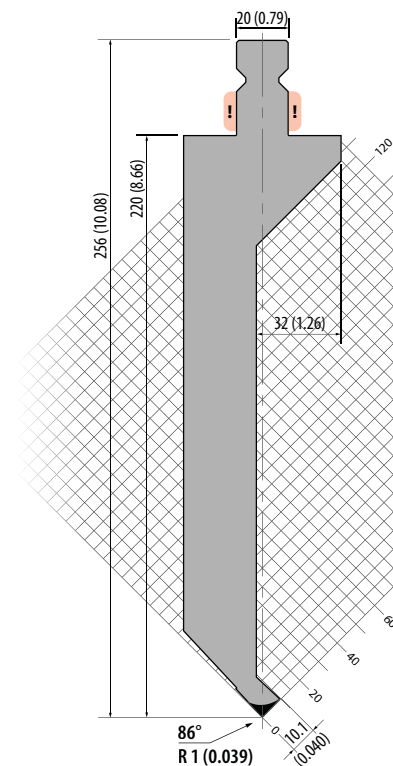
42Cr: 900-1150 N/mm²



HORN 2 only for 550 mm (21.65 in) segm.

TPR256.86.R1-A

800 kN/m max.



	500 mm	19.68 in	28.5 kg
FW FC	250 mm segmented	9.84 in segmented	12.5 kg
	550 mm segmented	21.65 in segmented	31.4 kg
Sectioning FA	1250 mm	49.21 in	62.5 kg
	2050 mm	80.71 in	102.5 kg
	2550 mm	100.39 in	127.5 kg
	3050 mm	120.08 in	152.5 kg
	4050 mm	159.45 in	202.5 kg
Sectioning FB	1250 mm	49.21 in	62.5 kg
	2050 mm	80.71 in	102.5 kg
	2550 mm	100.39 in	127.5 kg
	3050 mm	120.08 in	152.5 kg
	4050 mm	159.45 in	202.5 kg

Segments of Sectioning FB (300, 200, 100, 100 Horn L, 100 Horn r., 50, 45, 40, 35, 30, 25) are also available separately (FD). Prices upon request!

42Cr: 900-1150 N/mm²



HORN 2 only for 550 mm (21.65 in) segm.

R2 ROLLERI TYPE R2

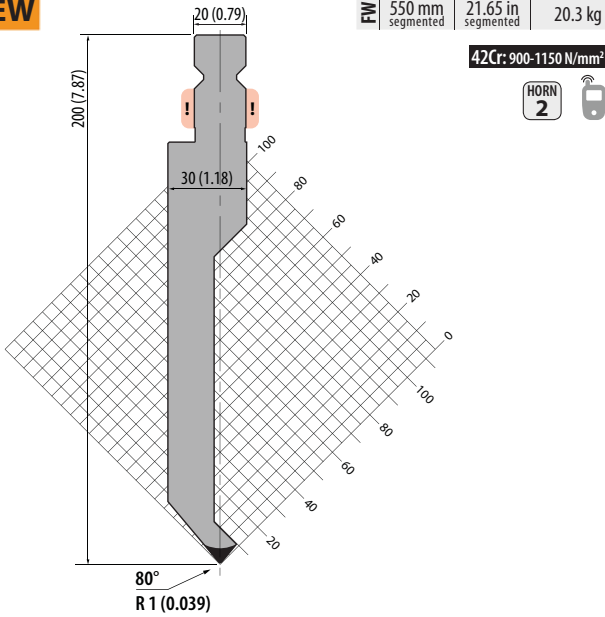
80° Punches



TPR200.80.R1

800 kN/m max.

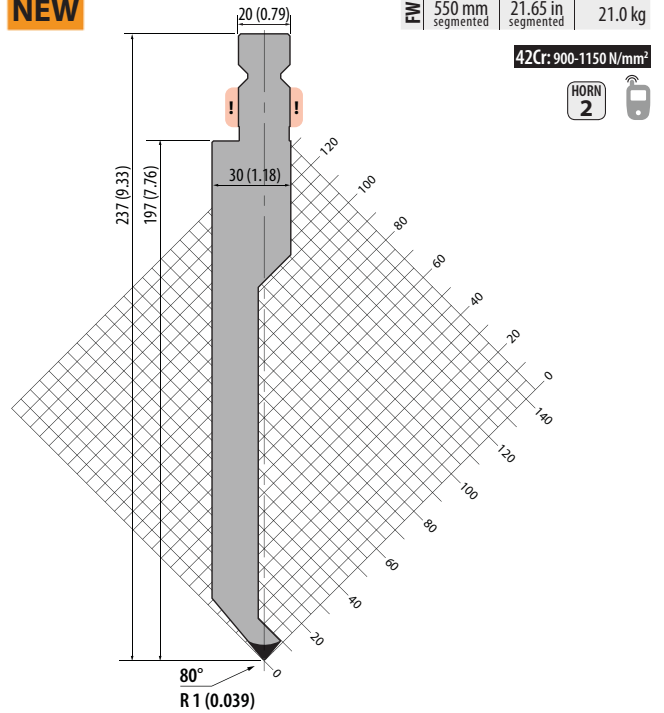
NEW



TPR237.80.R1

800 kN/m max.

NEW



Please choose the clamping system!
 Standard-Equipping:
 < 12 kg QuickLock
 > 12 kg safety pins
 Also available: ROL1-System see pages 82-83 for more information.

3
R2



Article on stock



Please ask for delivery time!

1 kg = 2.20 Pounds (lb) = 35.27 Ounces (oz)
 100 mm = 3.94 Inch (in) = 0.33 Feet (ft)



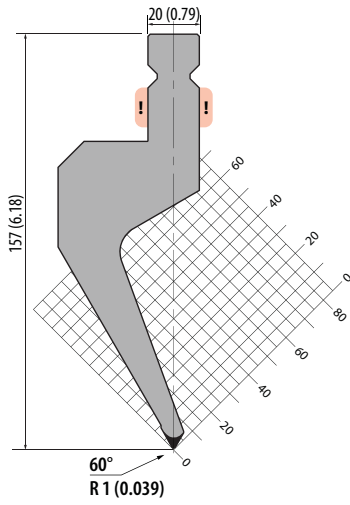
Articles on stock – Please note that delivery time depends on your location.

R2 ROLLER TYPE R2

60° Punches

TPR157.60.R1

700 kN/m max.



FW	FC	FA	FB
500 mm	19.68 in	15.0 kg	
250 mm segmented	9.84 in segmented	7.5 kg	
550 mm segmented	21.65 in segmented	16.5 kg	
Sectioning FA			
1250 mm	49.21 in	37.5 kg	
2050 mm	80.71 in	61.5 kg	
2550 mm	100.39 in	77.0 kg	
3050 mm	120.08 in	92.0 kg	
4050 mm	159.45 in	121.5 kg	
Sectioning FB			
1250 mm	49.21 in	37.5 kg	
2050 mm	80.71 in	61.5 kg	
2550 mm	100.39 in	76.5 kg	
3050 mm	120.08 in	92.0 kg	
4050 mm	159.45 in	121.5 kg	

Segments of Sectioning FB (300, 200, 100, 100 Horn L, 100 Horn r., 50, 45, 40, 35, 30, 25) are also available separately (FD). Prices upon request!

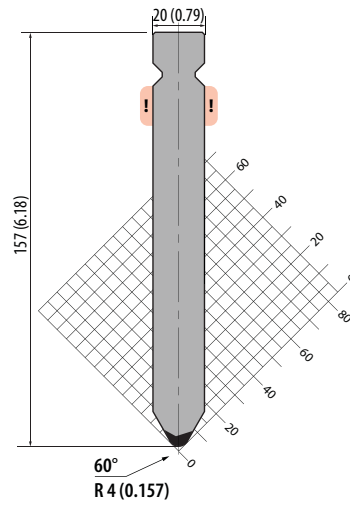
42Cr: 900-1150 N/mm²



HORN 2 only for 550 mm (21.65 in) segm.

TPR157.60.R4

1300 kN/m max.



FW	FC	FA	FB
500 mm	19.68 in	12.0 kg	
250 mm segmented	9.84 in segmented	6.0 kg	
550 mm segmented	21.65 in segmented	13.2 kg	
Sectioning FA			
1250 mm	49.21 in	30.0 kg	
2050 mm	80.71 in	49.2 kg	
2550 mm	100.39 in	61.2 kg	
3050 mm	120.08 in	73.2 kg	
4050 mm	159.45 in	97.2 kg	
Sectioning FB			
1250 mm	49.21 in	30.0 kg	
2050 mm	80.71 in	49.2 kg	
2550 mm	100.39 in	61.2 kg	
3050 mm	120.08 in	73.2 kg	
4050 mm	159.45 in	97.2 kg	

Segments of Sectioning FB (300, 200, 100, 100 Horn L, 100 Horn r., 50, 45, 40, 35, 30, 25) are also available separately (FD). Prices upon request!

42Cr: 900-1150 N/mm²

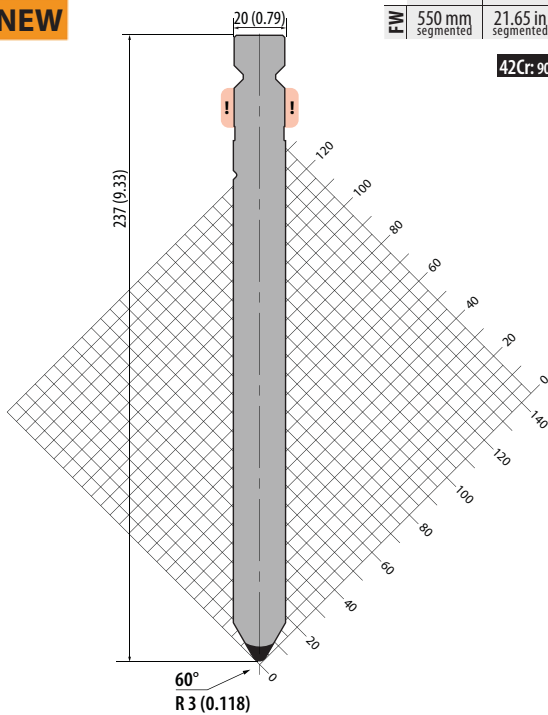


HORN 2 only for 550 mm (21.65 in) segm.

TPR237.60.R3

1300 kN/m max.

NEW



FW	FC	FA	FB
515 mm	20.28 in	18.8 kg	
550 mm segmented	21.65 in segmented	20.1 kg	

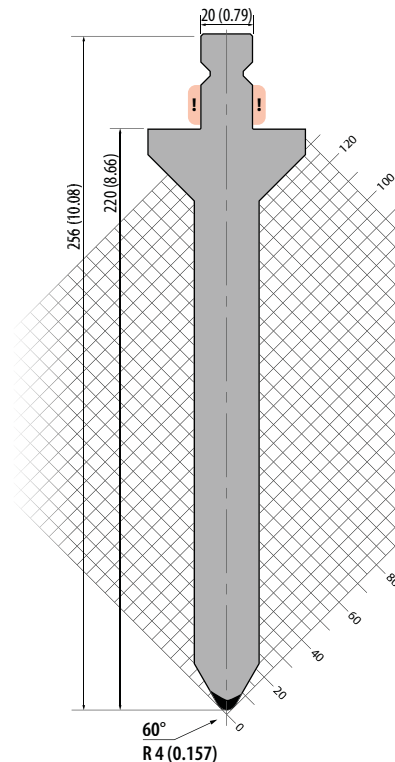
42Cr: 900-1150 N/mm²



HORN 2 only for 550 mm (21.65 in) segm.

TPR256.60.R4

1300 kN/m max.



FW	FC	FA	FB
500 mm	19.68 in	26.1 kg	
250 mm segmented	9.84 in segmented	13.5 kg	
550 mm segmented	21.65 in segmented	28.7 kg	
Sectioning FA			
1250 mm	49.21 in	68.0 kg	
2050 mm	80.71 in	111.0 kg	
2550 mm	100.39 in	138.0 kg	
3050 mm	120.08 in	165.0 kg	
4050 mm	159.45 in	219.0 kg	
Sectioning FB			
1250 mm	49.21 in	68.0 kg	
2050 mm	80.71 in	111.0 kg	
2550 mm	100.39 in	138.0 kg	
3050 mm	120.08 in	165.0 kg	
4050 mm	159.45 in	219.0 kg	

Segments of Sectioning FB (300, 200, 100, 100 Horn L, 100 Horn r., 50, 45, 40, 35, 30, 25) are also available separately (FD). Prices upon request!

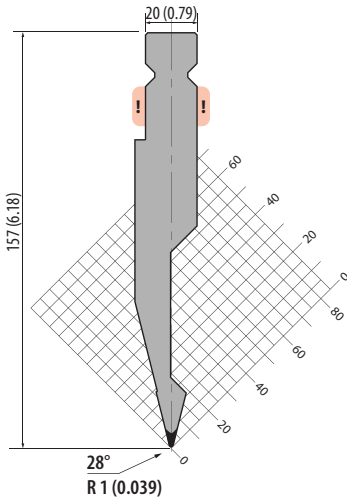
42Cr: 900-1150 N/mm²



HORN 2 only for 550 mm (21.65 in) segm.

TPR157.28.R1

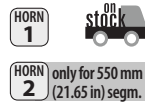
600 kN/m max.



	500 mm	19.68 in	10.0 kg
FC	250 mm segmented	9.84 in segmented	5.0 kg
	550 mm segmented	21.65 in segmented	11.0 kg
Sectioning FA	1250 mm	49.21 in	25.0 kg
	2050 mm	80.71 in	41.0 kg
	2550 mm	100.39 in	51.0 kg
	3050 mm	120.08 in	61.0 kg
	4050 mm	159.45 in	81.0 kg
Sectioning FB	1250 mm	49.21 in	25.0 kg
	2050 mm	80.71 in	41.0 kg
	2550 mm	100.39 in	51.0 kg
	3050 mm	120.08 in	61.0 kg
	4050 mm	159.45 in	81.0 kg

Segments of Sectioning FB (300, 200, 100, 100 Horn L, 100 Horn r, 50, 45, 40, 35, 30, 25) are also available separately (FD). Prices upon request!

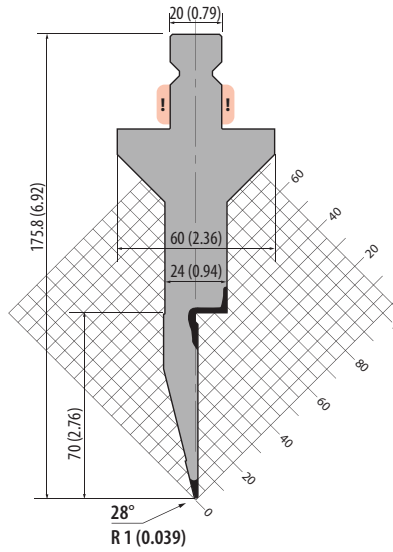
42Cr: 900-1150 N/mm²



Please choose the clamping system!
 Standard-Equipping:
 < 12 kg QuickLock
 > 12 kg safety pins
 Also available: ROL1-System see pages 82-83 for more information.

TPR176.28.R1

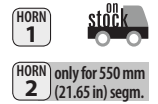
400 kN/m max.



	500 mm	19.68 in	15.0 kg
FC	250 mm segmented	9.84 in segmented	7.5 kg
	550 mm segmented	21.65 in segmented	16.5 kg
Sectioning FA	1250 mm	49.21 in	37.5 kg
	2050 mm	80.71 in	61.5 kg
	2550 mm	100.39 in	76.5 kg
	3050 mm	120.08 in	91.5 kg
	4050 mm	159.45 in	121.5 kg
Sectioning FB	1250 mm	49.21 in	37.5 kg
	2050 mm	80.71 in	61.5 kg
	2550 mm	100.39 in	76.5 kg
	3050 mm	120.08 in	91.5 kg
	4050 mm	159.45 in	121.5 kg

Segments of Sectioning FB (300, 200, 100, 100 Horn L, 100 Horn r, 50, 45, 40, 35, 30, 25) are also available separately (FD). Prices upon request!

42Cr: 900-1150 N/mm²

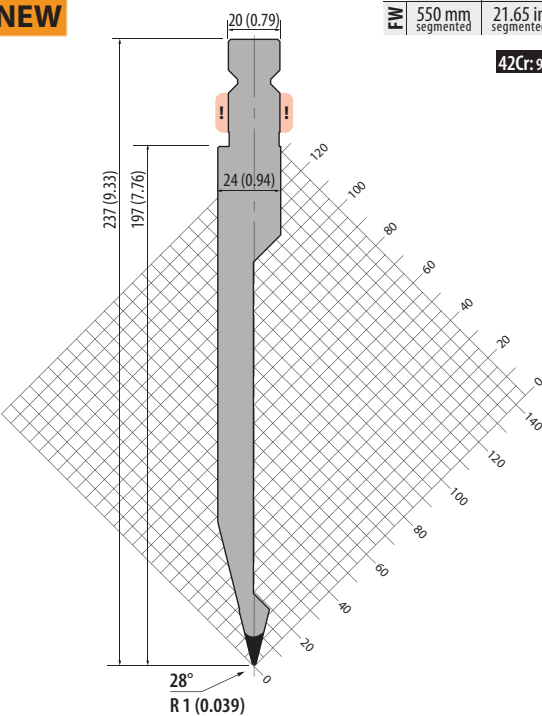


3
R2

TPR237.28.R1

600 kN/m max.

NEW



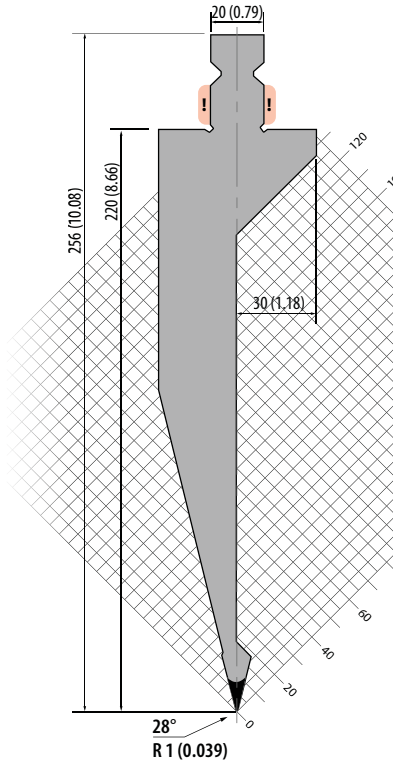
	515 mm	20.28 in	15.0 kg
FW	550 mm segmented	21.65 in segmented	16.0 kg

42Cr: 900-1150 N/mm²



TPR256.28.R1

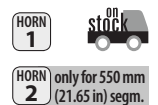
600 kN/m max.



	500 mm	19.68 in	25.0 kg
FC	250 mm segmented	9.84 in segmented	5.0 kg
	550 mm segmented	21.65 in segmented	27.5 kg
Sectioning FA	1250 mm	49.21 in	62.5 kg
	2050 mm	80.71 in	102.5 kg
	2550 mm	100.39 in	127.5 kg
	3050 mm	120.08 in	152.5 kg
	4050 mm	159.45 in	202.5 kg
Sectioning FB	1250 mm	49.21 in	62.5 kg
	2050 mm	80.71 in	102.5 kg
	2550 mm	100.39 in	127.5 kg
	3050 mm	120.08 in	152.5 kg
	4050 mm	159.45 in	202.5 kg

Segments of Sectioning FB (300, 200, 100, 100 Horn L, 100 Horn r, 50, 45, 40, 35, 30, 25) are also available separately (FD). Prices upon request!

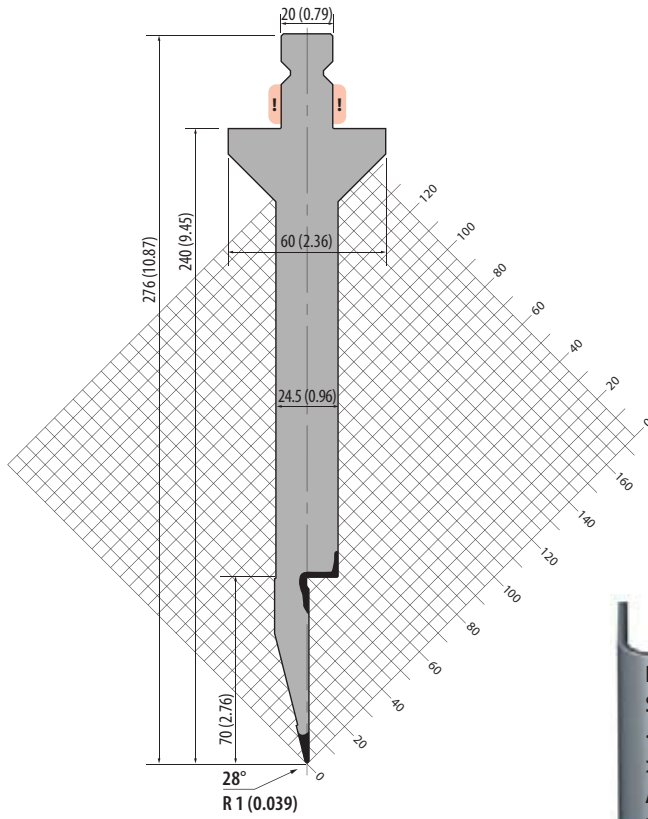
42Cr: 900-1150 N/mm²



R2 ROLLERI TYPE R2

28° Punches

TPR276.28.R1



400 kN/m max.

FW	FC	FA	FB
500 mm	19.68 in	24.0 kg	
250 mm segmented	9.84 in segmented	12.0 kg	
550 mm segmented	21.65 in segmented	26.4 kg	
Sectioning FA			
1250 mm	49.21 in	60.0 kg	
2050 mm	80.71 in	98.4 kg	
2550 mm	100.39 in	122.4 kg	
3050 mm	120.08 in	146.4 kg	
4050 mm	159.45 in	194.4 kg	
Sectioning FB			
1250 mm	49.21 in	60.0 kg	
2050 mm	80.71 in	98.4 kg	
2550 mm	100.39 in	122.4 kg	
3050 mm	120.08 in	146.4 kg	
4050 mm	159.45 in	194.4 kg	

Segments of Sectioning FB (300, 200, 100, 100 Horn L, 100 Horn r, 50, 45, 40, 35, 30, 25) are also available separately (FD). Prices upon request!

42Cr: 900-1150 N/mm²



Please choose the clamping system!
Standard-Equipping:
 < 12 kg QuickLock
 > 12 kg safety pins
 Also available: ROL1-System see pages 82-83 for more information.



Rolleri Videos

find updated and helpful videos at:
www.rolleritools.com/videos/overview

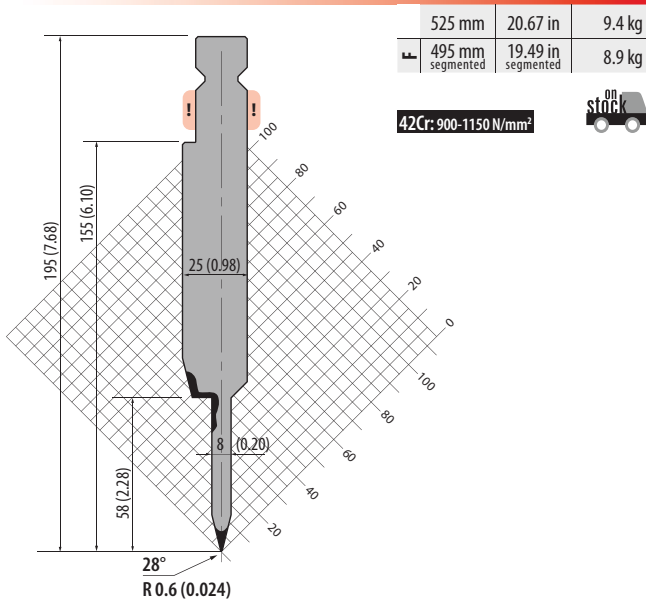


R2 ROLLER TYPE R2

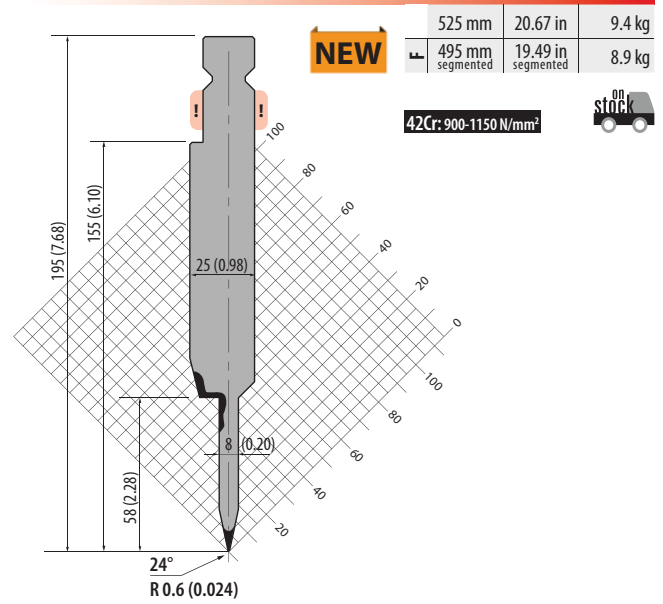
28°/24° Hemming Punches



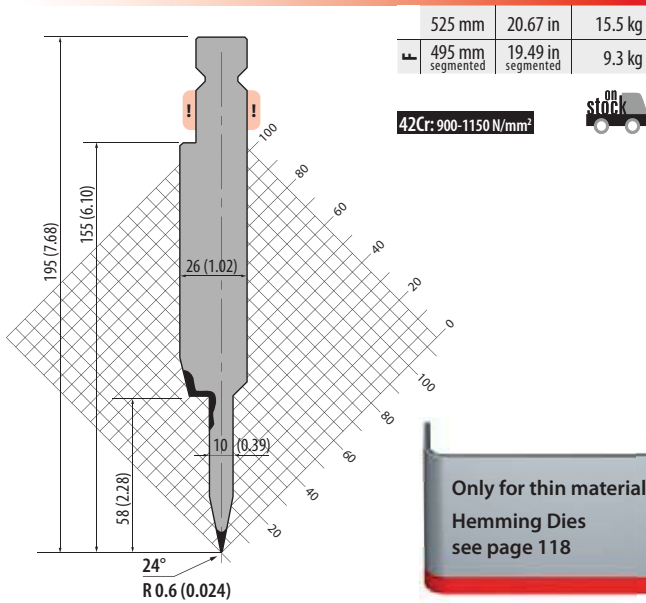
TPR.SP.195.28.8



TPR.SP.195.24.8

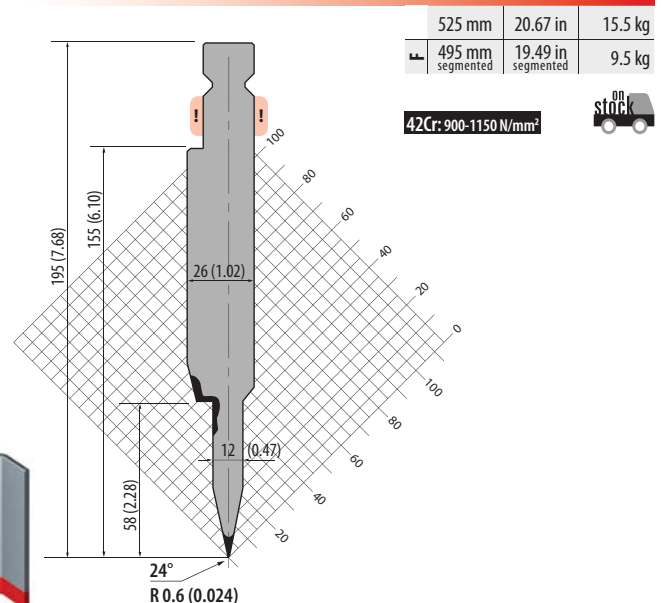


TPR.SP.195.24.10

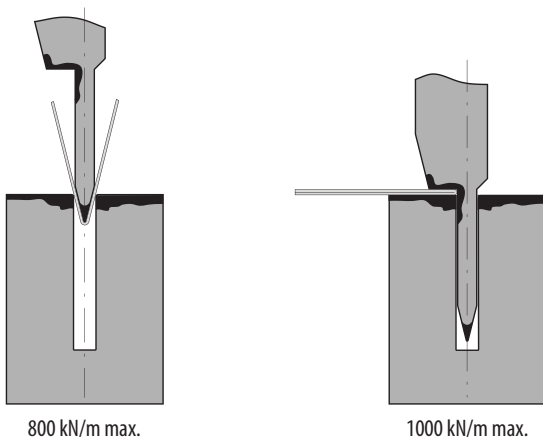


Only for thin material!
Hemming Dies
see page 118

TPR.SP.195.24.12



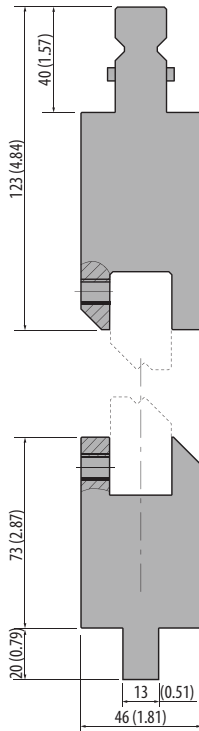
Example of application



S	S	A	A	R.45	R.70	S	S	A	A	R.45	R.70
mm	in	mm	in	Kgf/mm ²	Kgf/mm ²	mm	in	mm	in	Kgf/mm ²	Kgf/mm ²
0.6	0.02	3.0	0.12	9	15	0.6	0.02	1.2	0.05	23	35
0.8	0.03	3.0	0.12	12	20	0.8	0.03	1.6	0.06	32	50
1.0	0.04	3.5	0.14	15	25	1.0	0.04	1.0	0.04	40	60
1.25	0.05	3.5	0.14	17	26	1.25	0.05	2.5	0.10	50	80

TPZ

1000 kN/m max.



835 mm	32.87 in	46.0 kg
415 mm	16.34 in	23.0 kg

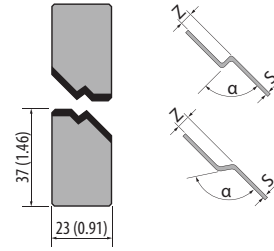
C45: 560-710 N/mm²



Z- Profile Tool Inserts 160° / 150° / 140° / 90°

1000 kN/m max.

C45: 560-710 N/mm²



Model	Z mm	Z in	α	S* mm	S* inch	Weight	Weight
CEZ 1.0	1.0	0.04	160°	1.2	0.05	11.0 kg	5.5 kg
CEZ 1.5	1.5	0.06	160°	1.5	0.06	11.0 kg	5.5 kg
CEZ 2.0	2.0	0.08	150°	1.4	0.06	11.0 kg	5.5 kg
CEZ 2.5	2.5	0.10	140°	1.3	0.05	11.0 kg	5.5 kg
CEZ 1.0/90	1.0	0.04	90°	0.3	0.01	11.0 kg	5.5 kg
CEZ 1.5/90	1.5	0.06	90°	0.3	0.01	11.0 kg	5.5 kg
CEZ 2.0/90	2.0	0.08	90°	0.4	0.02	11.0 kg	5.5 kg
CEZ 2.5/90	2.5	0.10	90°	0.5	0.02	11.0 kg	5.5 kg
CEZ 3.0	3.0	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	10.0 kg	5.0 kg
CEZ 4.0	4.0	0.16	90°	1.2	0.05	10.0 kg	5.0 kg
CEZ 4.5	4.5	0.18	90°	1.2	0.05	10.0 kg	5.0 kg
CEZ 5.0	5.0	0.20	90°	1.3	0.05	10.0 kg	5.0 kg
CEZ 5.5	5.5	0.22	90°	1.4	0.06	10.0 kg	5.0 kg
CEZ 6.0	6.0	0.24	90°	1.5	0.06	10.0 kg	5.0 kg
CEZ 6.5	6.5	0.26	90°	1.5	0.06	10.0 kg	5.0 kg
CEZ 7.0	7.0	0.28	90°	1.5	0.06	10.0 kg	5.0 kg
CEZ 7.5	7.5	0.30	90°	1.6	0.06	10.0 kg	5.0 kg
CEZ 8.0	8.0	0.31	90°	1.6	0.06	10.0 kg	5.0 kg

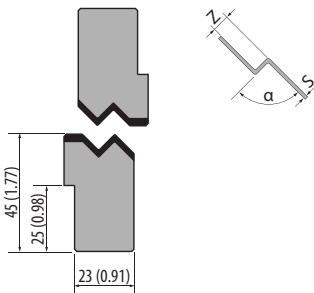
* Fe Rmax = 42 Kg/mm²

Please choose the clamping system!
 Standard-Equipping:
 < 12 kg QuickLock
 > 12 kg safety pins
 Also available: ROL1-System see pages 82-83 for more information.

Z- Profile Tool Inserts 90°

1000 kN/m max.

C45: 560-710 N/mm²



Articles on stock – Please note that delivery time varies according to your location.



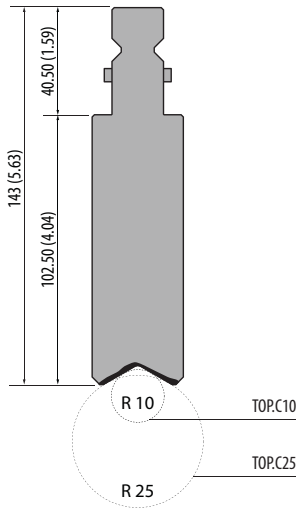
Model	Z mm	Z in	α	S* mm	S* inch	Weight	Weight
CEZ 9.0	9	0.35	90°	1.8	0.07	13.5 kg	6.5 kg
CEZ 10.0	10	0.39	90°	1.8	0.07	13.5 kg	6.5 kg
CEZ 11.0	11	0.43	90°	2	0.08	13.5 kg	6.5 kg
CEZ 12.0	12	0.47	90°	2	0.08	13.5 kg	6.5 kg
CEZ 13.0	13	0.51	90°	2	0.08	13.5 kg	6.5 kg
CEZ 14.0	14	0.55	90°	2	0.08	13.5 kg	6.5 kg
CEZ 15.0	15	0.59	90°	2.3	0.09	13.5 kg	6.5 kg

* Fe Rmax = 42 Kg/mm²



TPR143.10

1000 kN/m max.



	525 mm	20.67 in	18.0 kg
F	495 mm segmented	19.49 in segmented	17.0 kg

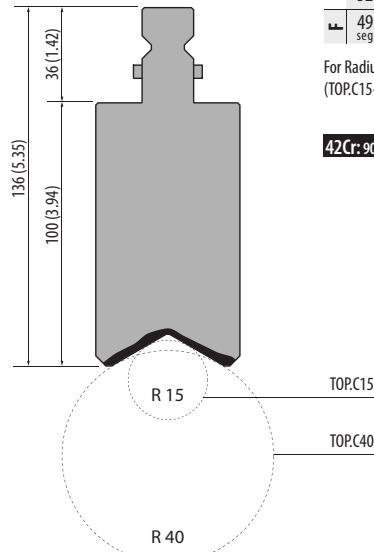
For Radius tools with R10-R25 (TOP.C10-TOP.C25) see below

42Cr: 900-1150 N/mm²



TPR136.15

1000 kN/m max.



	525 mm	20.67 in	25.0 kg
F	495 mm segmented	19.49 in segmented	23.7 kg

For Radius tools with R15-R40 (TOP.C15-TOP.C40) see below

42Cr: 900-1150 N/mm²



Do you prefer the QuickLock or ROL1-System? Send us an email or give us a call!

3 R2

Radius punches: R10-40

1000 kN/m max.

Material C53 induction hardened 60-62 HRC

C53: 610-760 N/mm²



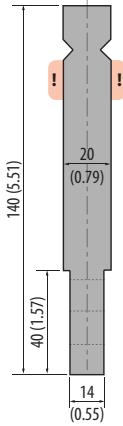
Model	R mm	R in	Weight	Weight
TOP.C10	10	0.39	1.3 kg	2.7 kg
TOP.C12.5	12.5	0.49	2.0 kg	2.8 kg
TOP.C15	15	0.59	3.0 kg	3.8 kg
TOP.C17.5	17.5	0.69	4.0 kg	4.7 kg
TOP.C20	20	0.79	5.2 kg	6.6 kg
TOP.C25	25	0.98	8.1 kg	7.5 kg
TOP.C30	30	1.18	11.7 kg	11.3 kg
TOP.C35	35	1.38	16.0 kg	15.1 kg
TOP.C40	40	1.57	20.7 kg	19.5 kg

Radius Punches by Rolleri also sectioned on stock! Take advantage of this flexibility!



TPR140-14

800 kN/m max.



830 mm	32.68 in	17.0 kg
412 mm	16.22 in	9.0 kg

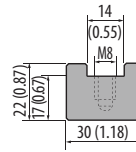
For Radius tools with R8-R50 (C13.08-C70.50) and hemming tool (E 30.22) see below

C45: 560-710 N/mm²



E30.22

800 kN/m max.



835 mm	32.87 in	3.5 kg
415 mm	16.34 in	1.7 kg

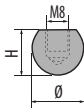
Hemming tool

C45: 560-710 N/mm²



Radius Tool: Ø 16-20 mm (0.63-0.79 in)

800 kN/m max.



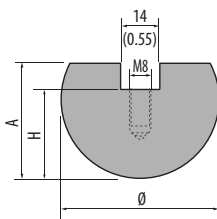
C45: 560-710 N/mm²



Model	Ø mm	Ø in	H mm	H in	835 mm / 32.87 in	Weight	415 mm / 16.34 in	Weight
C13.08	16	0.63	13	0.51	835 mm / 32.87 in	2.00 kg	415 mm / 16.34 in	1.00 kg
C13.09	18	0.71	16	0.63		2.00 kg		1.00 kg
C16.10	20	0.79	16	0.63		2.00 kg		1.00 kg

Radius Tool: Ø 25-100 mm (0.98-3.94)

800 kN/m max.



C45: 560-710 N/mm²



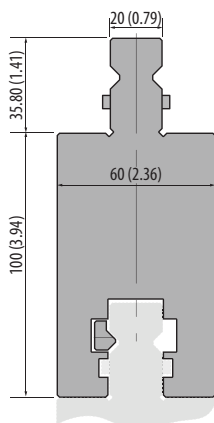
Model	Ø mm	Ø in	H mm	H in	A mm	A in	835 mm / 32.87 in	Weight	415 mm / 16.34 in	Weight
C17.12	25	0.98	17	0.67	22	0.87	835 mm / 32.87 in	2.5 kg	415 mm / 16.34 in	1.2 kg
C20.15	30	1.18	20	0.79	27	1.06		3.7 kg		1.8 kg
C22.17	35	1.38	22	0.87	32	1.26		5.0 kg		2.4 kg
C24.20	40	1.57	24	0.94	34	1.34		7.0 kg		3.5 kg
C29.25	50	1.97	29	1.14	39	1.54		10.0 kg		4.7 kg
C34.30	60	2.36	34	1.34	44	1.73		13.5 kg		6.7 kg
C45.35	70	2.76	45	1.77	55	2.17		20.3 kg		10.0 kg
C45.40	80	3.15	45	1.77	55	2.17		23.0 kg		11.5 kg
C60.45	90	3.54	60	2.36	70	2.76		34.0 kg		17.0 kg
C70.50	100	3.94	70	2.76	80	3.15		43.5 kg		21.7 kg

AD21

1500 kN/m max.

150 mm	5.91 in	7.0 kg
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42Cr: 900-1150 N/mm²



3
R2

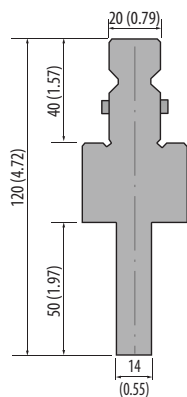
Punch Adapters

AD11

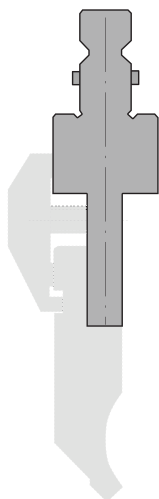
1000 kN/m max.

150 mm	5.91 in	3.0 kg
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C45: 560-710 N/mm²



Example of application



For more Adapters
see pages 220-225