AUSGABE 19 DE

ROLLERI®
INNOVATIVE TOOLS

KK-Industries GmbH
Maschinenhandel und Service
Mariannengasse 25 • A-2551 Enzesfeld-Lindabrunn • ATU 692 13 317

Wir beraten Sie gerne!
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ABKANTEN

ABKANTLÖSUNGEN

ROLLERI®

DE

R1 OBERWERKZEUGE 1
MATRIZEN 2

R2 OBERWERKZEUGE 3

R3 OBERWERKZEUGE 4
R2 R3 MATRIZEN 5

R4 OBERWERKZEUGE 6
MATRIZEN 7

RX 8

ROLLERI MATRIZEN ROLLA-V

ROLLERI ADAPTER

ROLLERI ABDRUCKFREIES KANTEN

ROLLERI EVOLUTION UND SCHWERLASTWERKZEUGE

ROLLERI ZUBEHÖR

WEITERE ROLLERI PRODUKTE

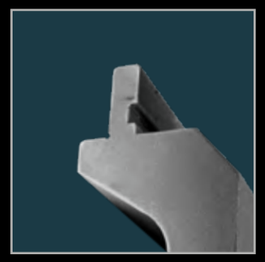
TECHNISCHE INFORMATIONEN UND MODIFIKATIONEN
U-TABELLE

ÜBER UNS

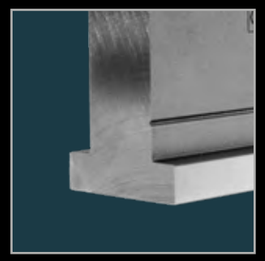
▾ KOMPATIBILITÄT

R1

Siehe Symbol R1



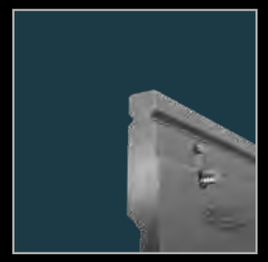
- Accurl
- Accurpress
- ACL
- Adira
- Amada
- Atlantic
- Baykal
- BL
- Boschert
- Boutillon
- Bystronic Beyeler
- Euro-B
- Coastone
- Colgar
- Dener
- Deratech
- Durmazlar
- Ermaksan
- Farina
- Gade
- Gasparini
- Gecko
- Gilardi
- Gizelis
- Haco
- Hindustan
- HPM
- Iturrospe
- Jfy
- JMT
- LFK
- Metfab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



R2

Siehe Symbol R2

- Darley
- LVD
- Safan
- Trumpf
- Abkantpressen mit dem System NSCL

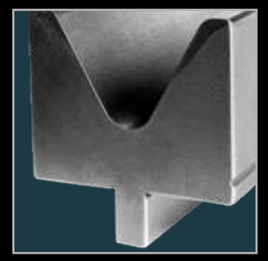


R3

Siehe Symbol R3

Bystronic Beyeler:
- RFA
- RF
- R
- S

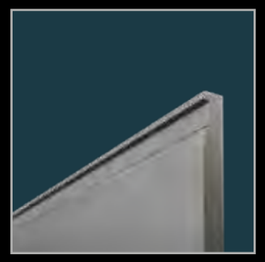
- Bystronic Beyeler
- Darley
- Safan
- SMD
- Trumpf
- Abkantpressen mit dem System NSCR

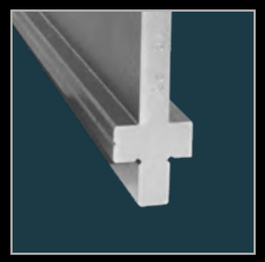


R4

Siehe Symbol R4

- LVD





RX

Siehe Symbol RX

- American
- Ajail-Axial
- Colgar
- Colly
- EHT
- Gasparini
- Hämmerle-Bystronic
- Ursviken
- Weinbrenner

Siehe Symbol → Universal Kompatibilität

Siehe Symbol → Patentiert

ANDERE ROLLERI KATALOGE:

- ROLLERI KLEMMUNGEN
  Siehe Symbol
- ABKANTWERKZEUGE - AMERICAN
  Siehe Symbol R American
- ABKANTWERKZEUGE - HÄMMERLE-BYSTRONIC
  Siehe Symbol R Hämmerle-Bystronic
- STANZWERKZEUGE
  Siehe Symbol
- IRON WORKER
  Siehe Symbol
- LASERVERSCHLEISSTEILE
  Siehe Symbol
- SCHLAUCHPRESSEN

OBERWERKZEUGE ROLLERI TYP R1

▼ **KOMPATIBILITÄT**

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

Erläuterungen	10 - 11
R1 Serie **TOP**	
Oberwerkzeuge	12 -15
85°	12
75°	13
60°	13
26°	14
28°/24° Zudrückwerkzeuge	15
Radienwerkzeuge	16
R1 Serie **CLASSIC**	
Oberwerkzeuge	17 - 34
90°	17 - 18
88°	19 - 24
85°	25 - 27
75°	27 - 28
70°	28
60°	29 - 30
45°	30 - 31
35°	31 - 32
30°	33
26°	33 - 3
R1 Serie **A**	
Oberwerkzeuge	35 - 39
90° - 88°	35 - 38
60°	39
45°	39
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R1 Serie **AFH**	
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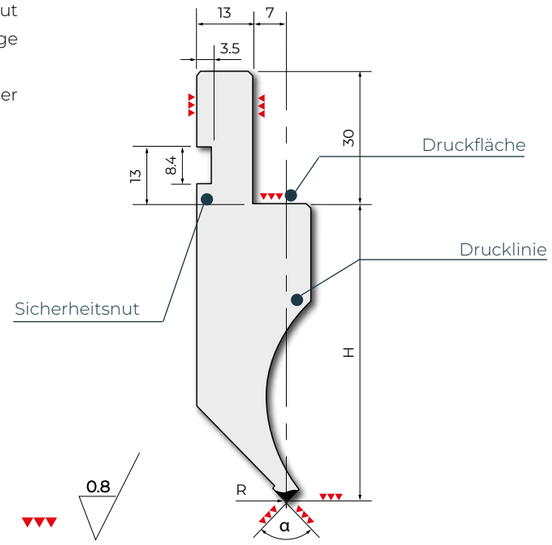
Endstücke mit beweglichen Hörnern	42
Oberwerkzeuge für geschlossene Profile	43
Z-Werkzeuge	44
Halter, Radienwerkzeuge und Zudrückwerkzeuge	45 - 47

Erläuterungen - R1

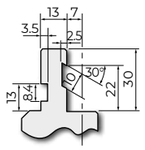
AUFNAHME

- Sind standardmäßig mit einer 8,4 x 3,5 mm Sicherheitsnut versehen, die das Herunterfallen der Werkzeuge verhindert
- Abhängig von der Klemmung: horizontaler oder vertikaler Werkzeugwechsel

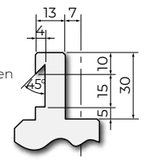


MODIFIZIERUNGEN FÜR SICHERHEITSAUFNAHMEN

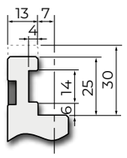
A1
Nut zusätzlich zur 8,4 x 3,5 mm Nut für:
· Pneumatische Klemmung



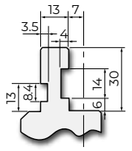
A8
Nut für:
· Hydraulische Klemmungen Gasparini



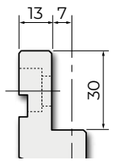
A42
Modifizierte Nut für:
· R3
· Bystronic-Beyeler Euro
· Safan



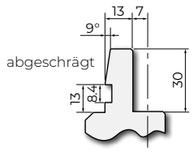
A6
Nut zusätzlich zur 8,4 x 3,5 mm Nut für:
· R3
· Bystronic-Beyeler Euro
· Safan



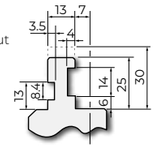
A9
Modifizierte Nut für:
· R2
· R3
· RX



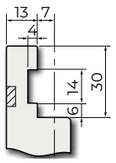
OT
Modifikation für:
· Für Amada Schnellspannung



A7
Nut zusätzlich zur 8,4 x 3,5 mm Nut und gekürzte Aufnahme für:
· R3
· Bystronic-Beyeler Euro
· Safan



A41
Modifizierte Nut für:
· R3
· Bystronic-Beyeler Euro
· Safan



WERKZEUGLÄNGEN

- **TOP**

525 mm

- **CLASSIC · A · AFH**

415 mm

835 mm

900 mm

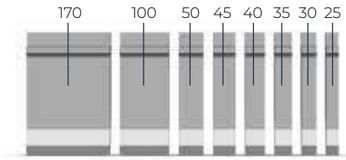
Sektioniert · auf Anfrage · Artikel auf Lager · Lieferzeit bitte erfragen

Erläuterungen - R1

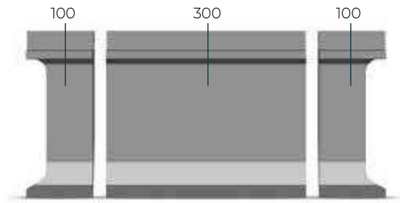
SEKTIONIERUNGEN

- **TOP**

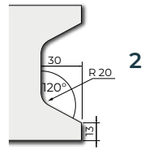
FA: 495 mm - 8 Segmente



FB: 500 mm - 3 Segmente



Hornstücke - TOP



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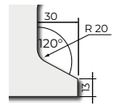
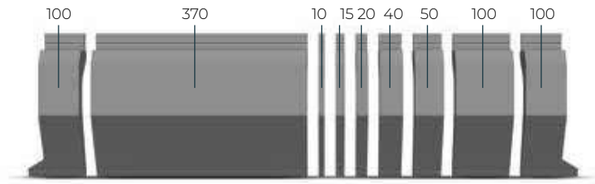


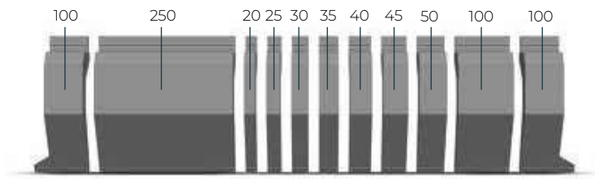
2/A

- **CLASSIC · A · AFH**

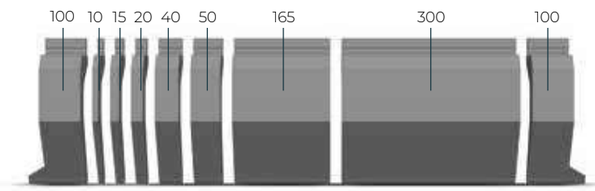
F: 805 mm - 9 Segmente



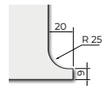
FX: 795 mm - 11 Segmente



FC: 800 mm - 9 Segmente



Hornstücke CLASSIC - A - AFH



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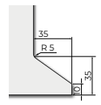

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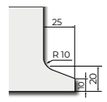
R1-A



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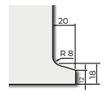
R1-A



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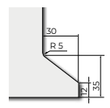
R1-A



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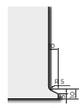
R1-A



7
R1-A

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Oberwerkzeuge - R1 Serie **TOP**

42Cr: 900-1150 N/mm² — 900 kN/m max.

TOP.175.85.R08

H=145.00 / A=175.00 / R=0.8

525 mm	€ 624,-	20.9 kg	
495 mm	€ 880,-	19.7 kg	FA
500 mm	€ 860,-	19.9 kg	FB

42Cr: 900-1150 N/mm² — 900 kN/m max.

TOP.175.85.R2

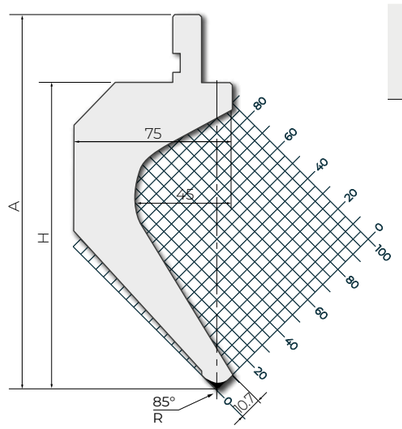
H=144.30 / A=174.30 / R=2.0

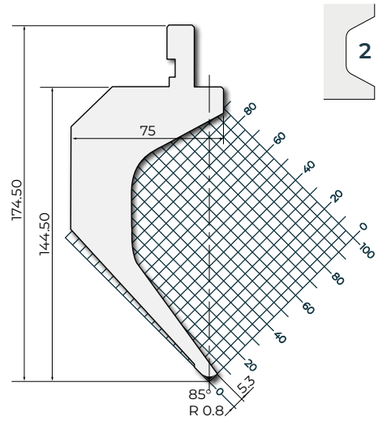
525 mm	€ 635,-	20.9 kg	
495 mm	€ 896,-	19.7 kg	FA
500 mm	€ 876,-	19.9 kg	FB

42Cr: 900-1150 N/mm² — 200 kN/m max.

TOP.175.85.R08.S

525 mm	€ 849,-	18.5 kg	
495 mm	€ 1.105,-	17.4 kg	FA
500 mm	€ 1.085,-	17.6 kg	FB





85°

85°

42Cr: 900-1150 N/mm² — 700 kN/m max.

TOP.205.85.R08

H=175.00 / A=205.00 / R=0.8

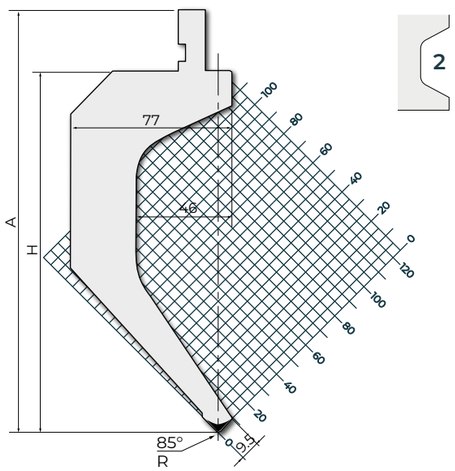
525 mm	€ 788,-	24.0 kg	
495 mm	€ 1.066,-	22.6 kg	FA
500 mm	€ 1.042,-	22.9 kg	FB

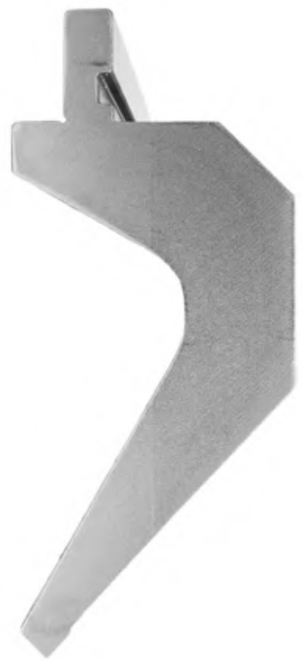
42Cr: 900-1150 N/mm² — 700 kN/m max.

TOP.205.85.R2

H=174.30 / A=204.30 / R=2.0

525 mm	€ 788,-	24.0 kg	
495 mm	€ 1.066,-	22.6 kg	FA
500 mm	€ 1.042,-	22.9 kg	FB





85°

Oberwerkzeuge - R1 Serie **TOP**

42Cr: 900-1150 N/mm² — 750 kN/m max.

TOP.175.75.R08

H=145.00 / A=175.00 / R=0.8

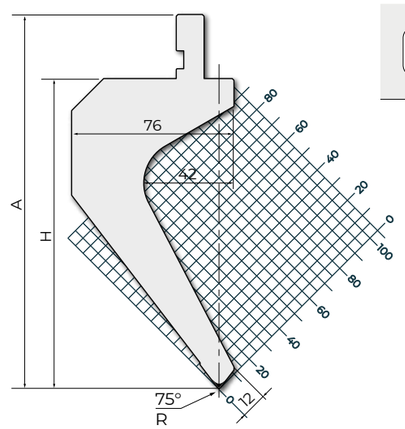
525 mm	€ 717,-	21.5 kg	
495 mm	€ 1.012,-	20.3 kg	FA
500 mm	€ 989,-	20.5 kg	FB

42Cr: 900-1150 N/mm² — 750 kN/m max.

TOP.175.75.R2

H=144.20 / A=174.30 / R=2.0

525 mm	€ 730,-	21.5 kg	
495 mm	€ 1.030,-	20.3 kg	FA
500 mm	€ 1.006,-	20.5 kg	FB



75°

42Cr: 900-1150 N/mm² — 800 kN/m max.

TOP.175.60.R08

H=145.00 / A=175.00 / R=0.8

525 mm	€ 303,-	12.0 kg	
495 mm	€ 495,-	11.3 kg	FA
500 mm	€ 471,-	11.4 kg	FB

42Cr: 900-1150 N/mm² — 800 kN/m max.

TOP.175.60.R2

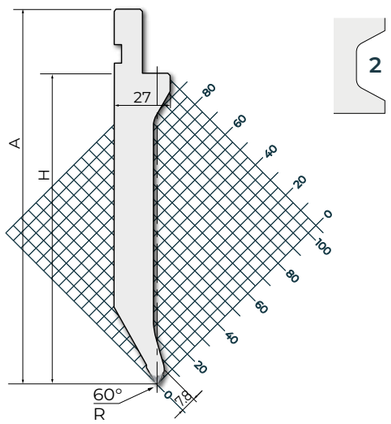
H=143.80 / A=173.80 / R=2.0

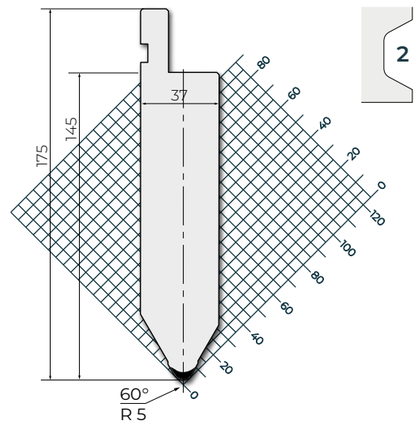
525 mm	€ 309,-	12.0 kg	
495 mm	€ 506,-	12.0 kg	FA
500 mm	€ 480,-	11.0 kg	FB

42Cr: 900-1150 N/mm² — 1600 kN/m max.

TOP.175.60.R5

525 mm	€ 303,-	21.5 kg	
495 mm	€ 495,-	21.0 kg	FA
500 mm	€ 471,-	19.0 kg	FB





60°

60°

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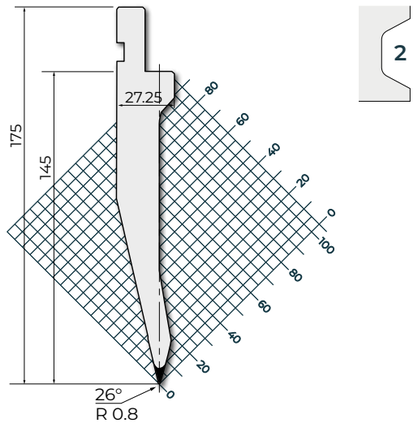
Oberwerkzeuge - (R1) Serie **TOP**

42Cr: 900-1150 N/mm² — 950 kN/m max.

TOP.175.26.R08

525 mm	€ 337,-	11.0 kg	
495 mm	€ 528,-	10.4 kg	FA
500 mm	€ 471,-	10.5 kg	FB

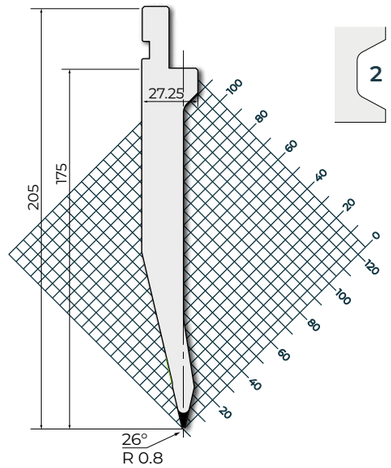


26° ✓

42Cr: 900-1150 N/mm² — 950 kN/m max.

TOP.205.26.R08

525 mm	€ 423,-	14.0 kg	
495 mm	€ 636,-	13.2 kg	FA
500 mm	€ 579,-	13.3 kg	FB

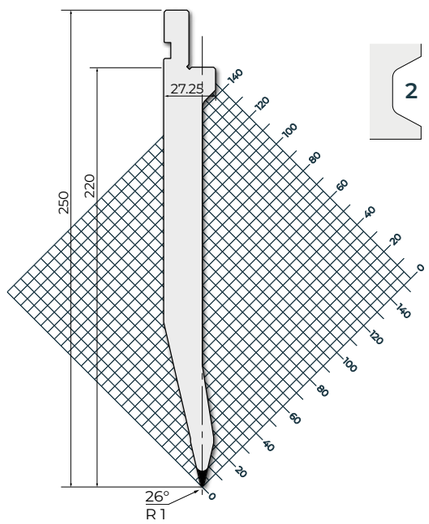


26° ✓

42Cr: 900-1150 N/mm² — 1000 kN/m max.

TOP.250.26.R1

525 mm	€ 504,-	17.7 kg	
495 mm	€ 722,-	17.7 kg	FA
500 mm	€ 666,-	17.7 kg	FB



26° ✓

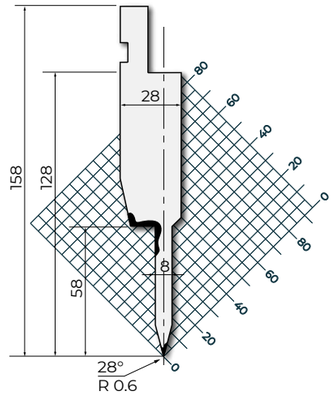
Zudrückwerkzeuge - (R1) Serie **TOP**

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

TOP.SP.134.28.8

525 mm	€ 415,-	11.0 kg	
495 mm	€ 634,-	10.3 kg	FA

Zu verwenden mit:
▸ TOP.SM-134.28.8 (S. 81)



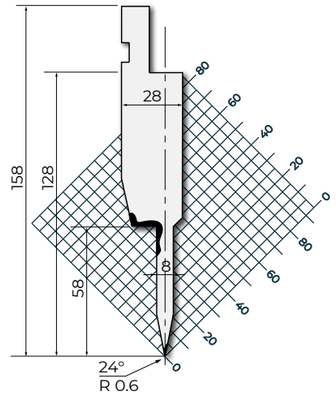
28° ✓

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

TOP.SP.134.24.8

525 mm	€ 415,-	11.0 kg	
495 mm	€ 634,-	10.3 kg	FA

Zu verwenden mit:
▸ TOP.SM-134.24.8 (S. 81)



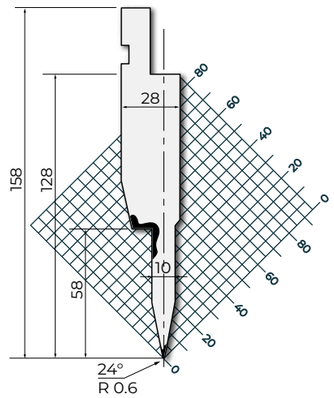
24° ✓ ⌒

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

TOP.SP.134.24.10

525 mm	€ 415,-	11.0 kg	
495 mm	€ 634,-	10.3 kg	FA

Zu verwenden mit:
▸ TOP.SM-134.24.10 (S. 81)



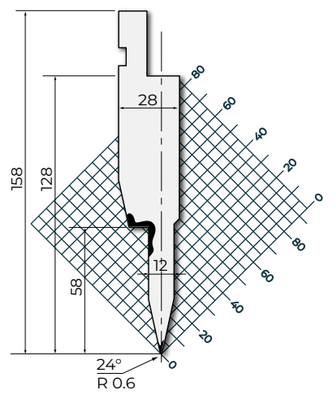
24° ✓

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

TOP.SP.134.24.12

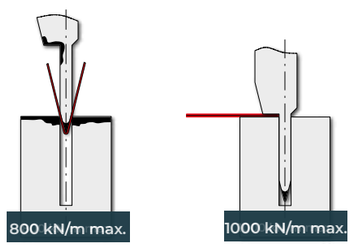
525 mm	€ 415,-	11.6 kg	
495 mm	€ 634,-	11.0 kg	FA

Zu verwenden mit:
▸ TOP.SM-134.24.12 (S. 81)



24° ✓

Anwendungsbeispiel ▸



S [mm]	A [mm]	R.420 N/mm² kN/m	R.700 N/mm² kN/m
0.6	3.0	90	150
0.8	3.0	120	200
1.0	3.5	150	250
1.25	3.5	170	260

S [mm]	A [mm]	R.420 N/mm² kN/m	R.700 N/mm² kN/m
0.6	1.2	230	350
0.8	1.6	320	500
1.0	1.0	400	600
1.25	2.5	500	800

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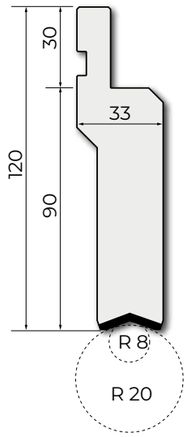
Radienwerkzeuge - R1 Serie **TOP**

42Cr: 900-1150 N/mm² — 1000 kN/m max.

TOP.PC.120-08

522 mm	€ 341,-	11.0 kg	
495 mm	€ 646,-	12.0 kg	FA

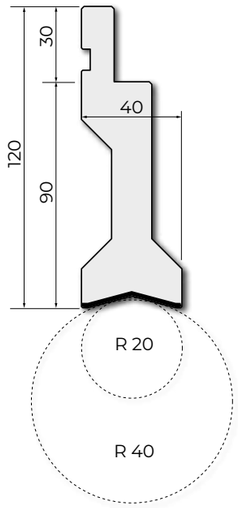


R8 - R20 ✓

42Cr: 900-1150 N/mm² — 1000 kN/m max.

TOP.PC.120-20

522 mm	€ 366,-	10.5 kg	
495 mm	€ 674,-	10.0 kg	FA

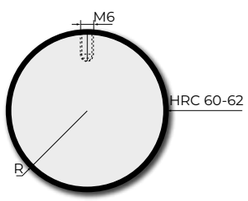


R20 - R40 ✓

C53: 610-760 N/mm² — 1000 kN/m max.

Radienwerkzeuge: R08-R40

	R [mm]	525 mm			495 mm		
TOP.C08	8	€ 40,-	0,8 kg		€ 164,-	1,9 kg	
TOP.C10	10	€ 44,-	1,3 kg		€ 167,-	2,7 kg	
TOP.C12.5	12.5	€ 46,-	2,0 kg		€ 225,-	2,8 kg	
TOP.C15	15	€ 53,-	3,0 kg		€ 257,-	3,8 kg	
TOP.C17.5	17.5	€ 58,-	4,0 kg		€ 265,-	4,7 kg	
TOP.C20	20	€ 65,-	5,2 kg		€ 311,-	6,6 kg	
TOP.C22.5	22.5	€ 77,-	6,6 kg		€ 346,-	6,6 kg	
TOP.C25	25	€ 97,-	8,1 kg		€ 418,-	7,5 kg	
TOP.C27.5	27.5	€ 111,-	9,8 kg		€ 477,-	9,2 kg	
TOP.C30	30	€ 126,-	11,7 kg		€ 528,-	11,3 kg	
TOP.C32.5	32.5	€ 159,-	13,7 kg		€ 593,-	12,9 kg	
TOP.C35	35	€ 191,-	16,0 kg		€ 655,-	15,1 kg	
TOP.C37.5	37.5	€ 215,-	18,2 kg		€ 688,-	17,2 kg	
TOP.C40	40	€ 246,-	20,7 kg		€ 716,-	19,5 kg	



✓

Oberwerkzeuge - R1 Serie **CLASSIC**

42Cr: 900-1150 N/mm² — 350 kN/m max.

PK.97.90.R06

H=66.80 / A=96.80 / R=0.6

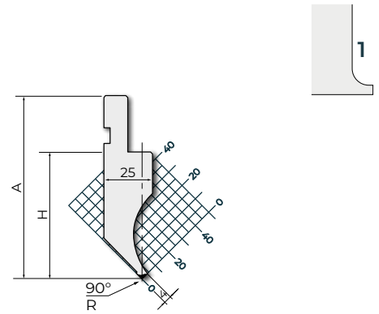
835 mm	€ 206,-	10.5 kg	
415 mm	€ 116,-	5.2 kg	
795 mm	€ 328,-	10.1 kg	FX
805 mm	€ 328,-	10.1 kg	F

42Cr: 900-1150 N/mm² — 350 kN/m max.

P.97.90.R025

H=66.80 / A=96.80 / R=0.25

835 mm	€ 206,-	10.5 kg	
415 mm	€ 116,-	5.2 kg	
795 mm	€ 328,-	10.1 kg	FX
805 mm	€ 328,-	10.1 kg	F



90°

C45: 560-710 N/mm² — 1000 kN/m max.

PK.97.90.R08

H=66.35 / A=96.35 / R=0.8

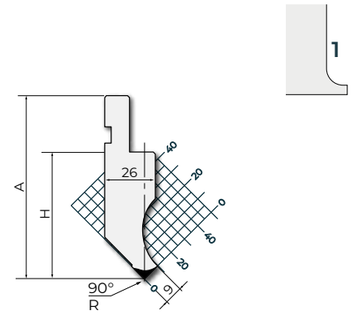
835 mm	€ 122,-	11.0 kg	
415 mm	€ 69,-	5.5 kg	
795 mm	€ 231,-	10.5 kg	FX
805 mm	€ 231,-	10.5 kg	F

C45: 560-710 N/mm² — 1000 kN/m max.

PK.97.90.R025

H=66.80 / A=96.60 / R=0.25

835 mm	€ 146,-	11.0 kg	
415 mm	€ 82,-	5.5 kg	
795 mm	€ 238,-	11.0 kg	FX
805 mm	€ 238,-	11.0 kg	F

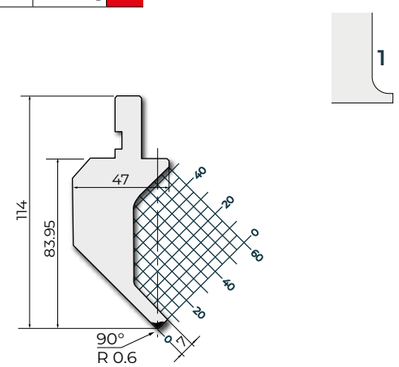


90°

42Cr: 900-1150 N/mm² — 200 kN/m max.

PK.114.90.R06

835 mm	€ 461,-	14.0 kg	
415 mm	€ 261,-	7.0 kg	
795 mm	€ 655,-	14.0 kg	FX
805 mm	€ 655,-	14.0 kg	F

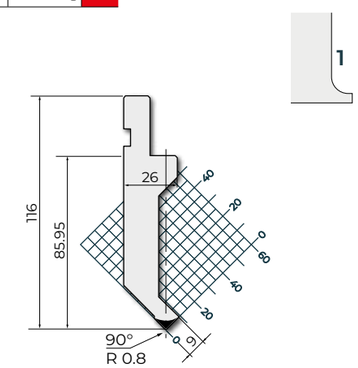


90°

C45: 560-710 N/mm² — 400 kN/m max.

PK.116.90.R08

835 mm	€ 227,-	13.0 kg	
415 mm	€ 130,-	6.5 kg	
795 mm	€ 383,-	13.0 kg	FX
805 mm	€ 383,-	13.0 kg	F



90°

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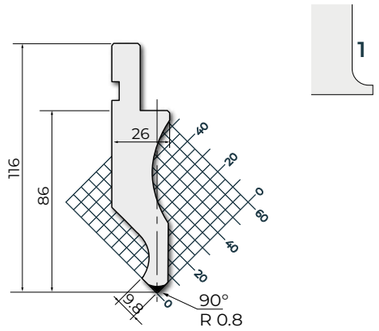
Oberwerkzeuge - R1 Serie **CLASSIC**

C45: 560-710 N/mm² — 500 kN/m max.

DK.116.90.R08

835 mm	€ 264,-	13.0 kg	
415 mm	€ 147,-	6.5 kg	
795 mm	€ 424,-	13.0 kg	FX
805 mm	€ 424,-	13.0 kg	F



90°

C45: 560-710 N/mm² — 600 kN/m max.

PK.120.90.R08

H=89.35 / A=119.35 / R=0.8

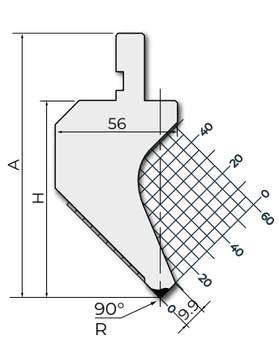
835 mm	€ 273,-	21.0 kg	
415 mm	€ 152,-	10.5 kg	
795 mm	€ 395,-	21.0 kg	FX
805 mm	€ 395,-	21.0 kg	F

C45: 560-710 N/mm² — 600 kN/m max.

PK.120.90.R025

H=89.60 / A=119.60 / R=0.25

835 mm	€ 273,-	21.0 kg	
415 mm	€ 152,-	10.5 kg	
795 mm	€ 395,-	21.0 kg	FX
805 mm	€ 395,-	21.0 kg	F



90°

42Cr: 900-1150 N/mm² — 350 kN/m max.

P.130.90.R06

H=100.00 / A=130.00 / R=0.6

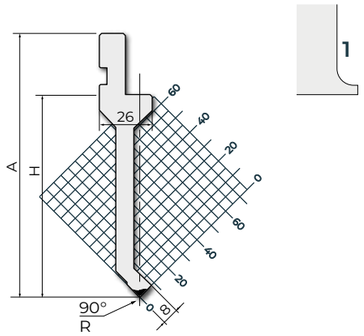
835 mm	€ 312,-	11.5 kg	
415 mm	€ 177,-	5.7 kg	
795 mm	€ 461,-	11.0 kg	FX
805 mm	€ 461,-	11.0 kg	F

42Cr: 900-1150 N/mm² — 350 kN/m max.

P.130.90.R025

H=100.00 / A=130.00 / R=0.25

835 mm	€ 312,-	11.5 kg	
415 mm	€ 177,-	5.7 kg	
795 mm	€ 461,-	11.0 kg	FX
805 mm	€ 461,-	11.0 kg	F



90°

C45: 560-710 N/mm² — 500 kN/m max.

PK.135.90.R08

H=104.35 / A=134.35 / R=0.8

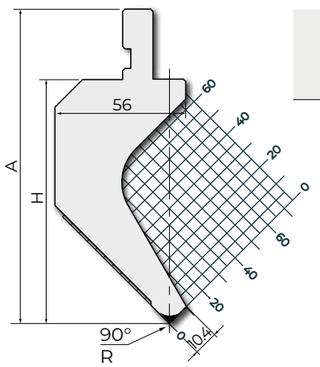
835 mm	€ 360,-	22.0 kg	
415 mm	€ 201,-	11.5 kg	
795 mm	€ 525,-	23.0 kg	FX
805 mm	€ 525,-	23.0 kg	F

C45: 560-710 N/mm² — 500 kN/m max.

PK.135.90.R025

H=104.60 / A=134.60 / R=0.25

835 mm	€ 360,-	22.0 kg	
415 mm	€ 201,-	11.5 kg	
795 mm	€ 525,-	23.0 kg	FX
805 mm	€ 525,-	23.0 kg	F



90°

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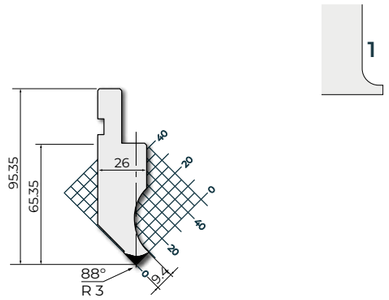
Oberwerkzeuge - R1 Serie **CLASSIC**

C45: 560-710 N/mm² — 1000 kN/m max.

P.95.88.R3

835 mm	€ 140,-	11.0 kg	
415 mm	€ 81,-	5.5 kg	
795 mm	€ 240,-	10.0 kg	FX
805 mm	€ 240,-	10.0 kg	F



88°

42Cr: 900-1150 N/mm² — 350 kN/m max.

P.97.88.R06

H=67.00 / A=97.00 / R=0.6

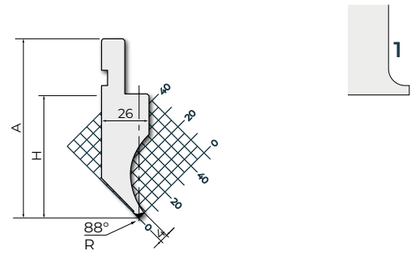
835 mm	€ 206,-	9.5 kg	
415 mm	€ 116,-	5.0 kg	
795 mm	€ 328,-	10.0 kg	FX
805 mm	€ 328,-	10.0 kg	F
900 mm	€ 399,-	11.0 kg	

42Cr: 900-1150 N/mm² — 350 kN/m max.

P.97.88.R025

H=66.95 / A=96.95 / R=0.25

835 mm	€ 206,-	9.5 kg	
415 mm	€ 116,-	5.0 kg	
795 mm	€ 328,-	9.2 kg	FX
805 mm	€ 328,-	9.2 kg	F
900 mm	€ 399,-	9.5 kg	



88°

C45: 560-710 N/mm² — 1000 kN/m max.

P.97.88.R08

H=66.65 / A=96.65 / R=0.8

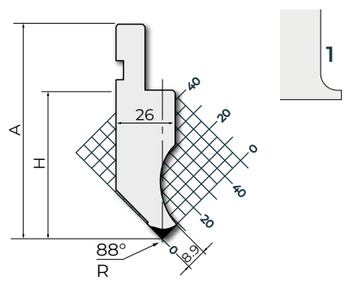
835 mm	€ 122,-	11.1 kg	
415 mm	€ 69,-	5.5 kg	
795 mm	€ 231,-	10.6 kg	FX
805 mm	€ 231,-	10.6 kg	F
900 mm	€ 221,-	11.0 kg	

C45: 560-710 N/mm² — 1000 kN/m max.

PK.97.88.R025

H=66.60 / A=96.60 / R=0.25

835 mm	€ 146,-	11.1 kg	
415 mm	€ 84,-	5.5 kg	
795 mm	€ 276,-	10.0 kg	FX
805 mm	€ 276,-	10.0 kg	F
900 mm	€ 282,-	11.8 kg	

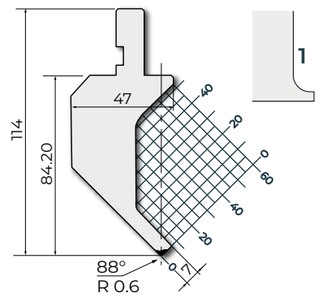


88°

42Cr: 900-1150 N/mm² — 200 kN/m max.

P.114.88.R06

835 mm	€ 457,-	15.6 kg	
415 mm	€ 259,-	7.7 kg	
795 mm	€ 651,-	14.5 kg	FX
805 mm	€ 651,-	14.5 kg	F



88°

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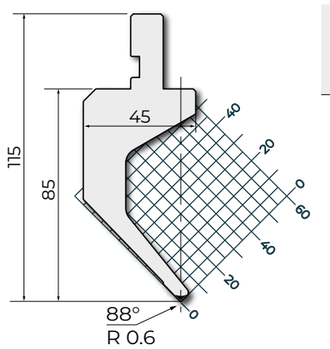
Oberwerkzeuge - R1 Serie **CLASSIC**

42Cr: 900-1150 N/mm² — 130 kN/m max.

P.115.88.R06

835 mm	€ 543,-	13.0 kg	
415 mm	€ 300,-	6.5 kg	
795 mm	€ 779,-	12.4 kg	FX
805 mm	€ 779,-	12.6 kg	F



88°

C45: 560-710 N/mm² — 500 kN/m max.

D.116.88.R08

H=86.00 / A=116.00 / R=0.8

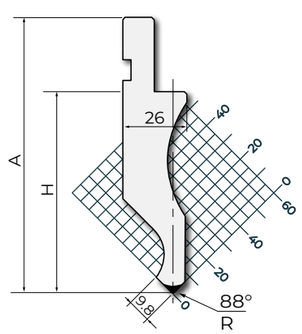
835 mm	€ 245,-	11.9 kg	
415 mm	€ 139,-	5.8 kg	
795 mm	€ 393,-	11.9 kg	FX
805 mm	€ 393,-	11.9 kg	F

C45: 560-710 N/mm² — 500 kN/m max.

D.116.88.R3

H=85.00 / A=115.00 / R=3.0

835 mm	€ 390,-	11.9 kg	
415 mm	€ 286,-	5.9 kg	
795 mm	€ 530,-	11.5 kg	FX
805 mm	€ 530,-	11.5 kg	F

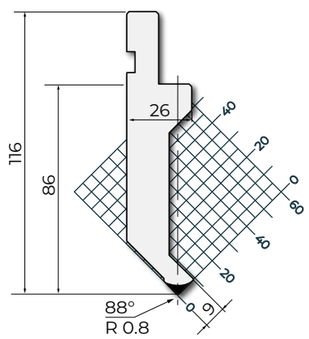


88°

C45: 560-710 N/mm² — 400 kN/m max.

P.116.88.R08

835 mm	€ 210,-	12.0 kg	
415 mm	€ 121,-	6.0 kg	
795 mm	€ 354,-	12.0 kg	FX
805 mm	€ 354,-	12.0 kg	F

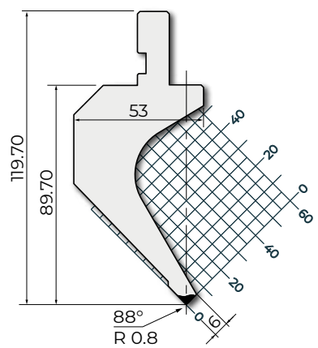


88°

C45: 560-710 N/mm² — 450 kN/m max.

PS.120.88.R08

835 mm	€ 374,-	17.0 kg	
415 mm	€ 208,-	8.4 kg	
795 mm	€ 543,-	16.4 kg	FX
805 mm	€ 543,-	16.4 kg	F



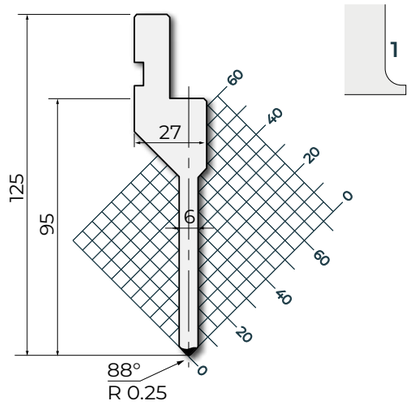
88°

Oberwerkzeuge - R1 Serie **CLASSIC**

42Cr: 900-1150 N/mm² — 500 kN/m max.

P.125.88.R025

835 mm	€ 243,-	9.0 kg	
415 mm	€ 141,-	4.5 kg	
795 mm	€ 488,-	9.0 kg	FX
805 mm	€ 488,-	9.0 kg	F



88°

C45: 560-710 N/mm² — 600 kN/m max.

P.120.88.R08

H=89.65 / A=120.00 / R=0.8

835 mm	€ 273,-	21.0 kg	
415 mm	€ 152,-	11.0 kg	
795 mm	€ 395,-	21.0 kg	FX
805 mm	€ 395,-	21.0 kg	F

C45: 560-710 N/mm² — 600 kN/m max.

P.120.88.R3

H=88.50 / A=118.50 / R=3.0

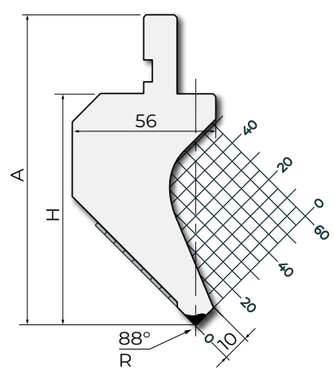
835 mm	€ 273,-	21.0 kg	
415 mm	€ 152,-	10.4 kg	
795 mm	€ 395,-	21.0 kg	FX
805 mm	€ 395,-	21.0 kg	F

C45: 560-710 N/mm² — 600 kN/m max.

PK.120.88.R025

H=89.60 / A=120.00 / R=0.25

835 mm	€ 273,-	21.0 kg	
415 mm	€ 152,-	10.4 kg	
795 mm	€ 395,-	21.0 kg	FX
805 mm	€ 395,-	21.0 kg	F



88°

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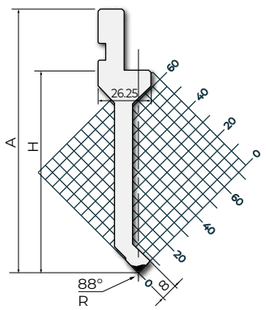
Oberwerkzeuge - (R1) Serie **CLASSIC**

42Cr: 900-1150 N/mm² — 350 kN/m max.

P.130.88.R06

H=100.00 / A=130.00 / R=0.6

835 mm	€ 299,-	9.8 kg	
415 mm	€ 176,-	4.9 kg	
795 mm	€ 459,-	9.4 kg	FX
805 mm	€ 459,-	9.4 kg	F
900 mm	€ 410,-	10.5 kg	



88° ✓

42Cr: 900-1150 N/mm² — 350 kN/m max.

PK.130.88.R025

H=99.95 / A=149.00 / R=0.25

835 mm	€ 303,-	9.7 kg	
415 mm	€ 176,-	4.8 kg	
795 mm	€ 471,-	9.3 kg	FX
805 mm	€ 471,-	9.3 kg	F
900 mm	€ 439,-	10.4 kg	

C45: 560-710 N/mm² — 400 kN/m max.

P.130.88.R08

H=100.00 / A=130.00 / R=0.8

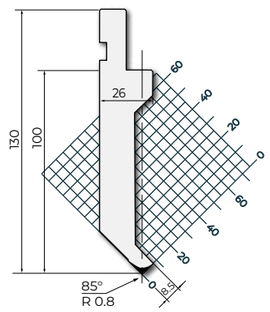
835 mm	€ 252,-	14.0 kg	
415 mm	€ 146,-	7.0 kg	
795 mm	€ 414,-	14.0 kg	FX
805 mm	€ 414,-	14.0 kg	F

C45: 560-710 N/mm² — 400 kN/m max.

P.130.88.R025

H=100.00 / A=130.00 / R=0.25

835 mm	€ 236,-	13.7 kg	
415 mm	€ 134,-	6.8 kg	
795 mm	€ 373,-	13.2 kg	FX
805 mm	€ 373,-	13.2 kg	F



88° ✓

C45: 560-710 N/mm² — 500 kN/m max.

P.135.88.R08

H=104.65 / A=134.50 / R=0.8

835 mm	€ 327,-	22.5 kg	
415 mm	€ 182,-	11.2 kg	
795 mm	€ 452,-	21.7 kg	FX
805 mm	€ 452,-	21.7 kg	F

C45: 560-710 N/mm² — 500 kN/m max.

P.135.88.R3

H=103.40 / A=133.40 / R=3.0

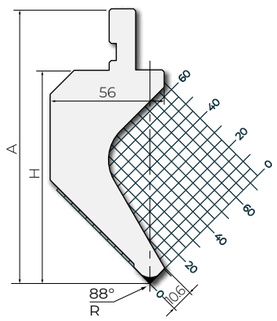
835 mm	€ 327,-	22.5 kg	
415 mm	€ 182,-	11.2 kg	
795 mm	€ 452,-	21.5 kg	FX
805 mm	€ 452,-	21.5 kg	F

C45: 560-710 N/mm² — 500 kN/m max.

PK.135.88.R025

H=104.60 / A=134.50 / R=0.25

835 mm	€ 332,-	22.7 kg	
415 mm	€ 182,-	11.5 kg	
795 mm	€ 447,-	21.0 kg	FX
805 mm	€ 447,-	21.0 kg	F



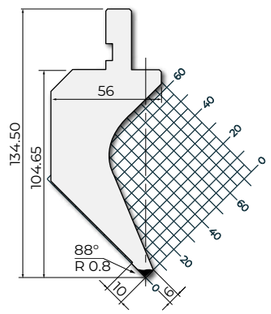
88° ✓

Oberwerkzeuge - (R1) Serie **CLASSIC**

C45: 560-710 N/mm² — 450 kN/m max.

PS.135.88.R08

835 mm	€ 384,-	22.0 kg	
415 mm	€ 212,-	12.5 kg	
795 mm	€ 516,-	21.5 kg	FX
805 mm	€ 516,-	21.5 kg	F

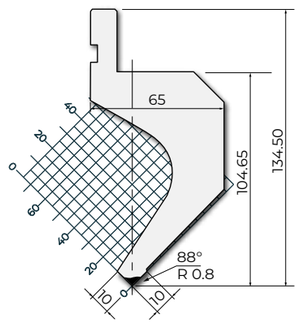


88° ✓

C45: 560-710 N/mm² — 450 kN/m max.

PR.135.88.R08

835 mm	€ 714,-	25.0 kg	
415 mm	€ 413,-	11.5 kg	
795 mm	€ 944,-	24.1 kg	FX
805 mm	€ 944,-	24.1 kg	F



88° ✓

42Cr: 900-1150 N/mm² — 500 kN/m max.

P.150.88.R08

H=120.00 / A=150.00 / R=0.8

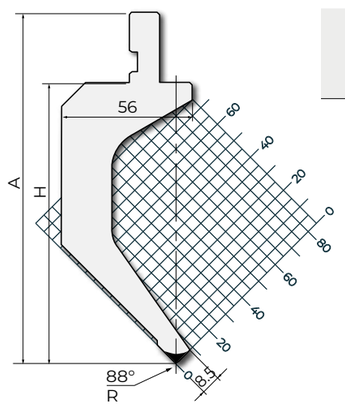
835 mm	€ 714,-	21.0 kg	
415 mm	€ 387,-	10.5 kg	
795 mm	€ 963,-	20.5 kg	FX
805 mm	€ 963,-	20.5 kg	F
900 mm	€ 727,-	23.0 kg	

42Cr: 900-1150 N/mm² — 500 kN/m max.

P.150.88.R3

H=119.00 / A=149.00 / R=3.0

835 mm	€ 713,-	19.2 kg	
415 mm	€ 391,-	15.0 kg	
795 mm	€ 968,-	20.0 kg	FX
805 mm	€ 968,-	20.0 kg	F
900 mm	€ 807,-	22.6 kg	

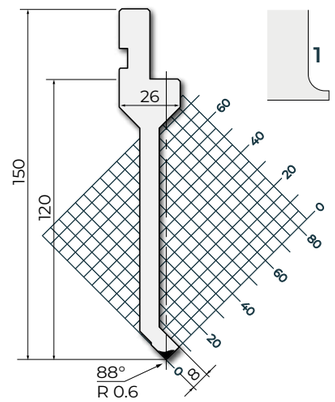


88° ✓

42Cr: 900-1150 N/mm² — 350 kN/m max.

P.150.88.R06

835 mm	€ 596,-	12.9 kg	
415 mm	€ 340,-	5.9 kg	
795 mm	€ 749,-	12.2 kg	FX
805 mm	€ 749,-	12.4 kg	F



88° ✓

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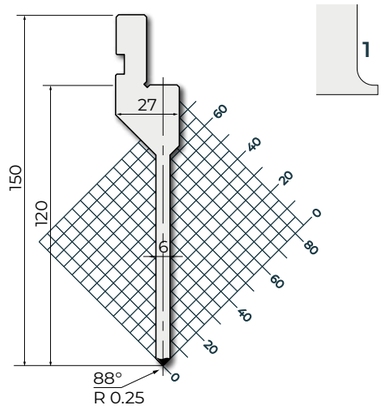
42Cr: 900-1150 N/mm² — 500 kN/m max.

P.150.88.R025

835 mm	€ 646,-	10.6 kg	
415 mm	€ 370,-	5.3 kg	
795 mm	€ 799,-	10.1 kg	FX
805 mm	€ 799,-	10.2 kg	F

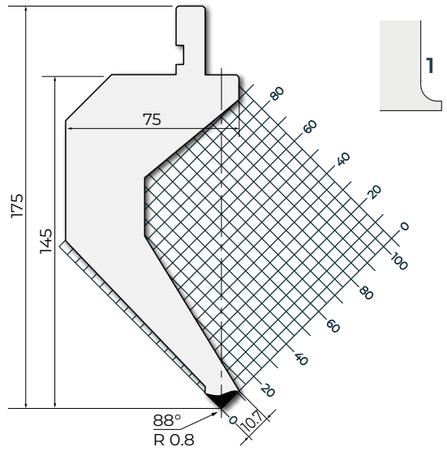


88° ✓

C45: 560-710 N/mm² — 500 kN/m max.

P.175.88.R08

835 mm	€ 855,-	35.0 kg	
415 mm	€ 489,-	17.5 kg	
795 mm	€ 1.104,-	39.0 kg	FX
805 mm	€ 1.104,-	39.0 kg	F

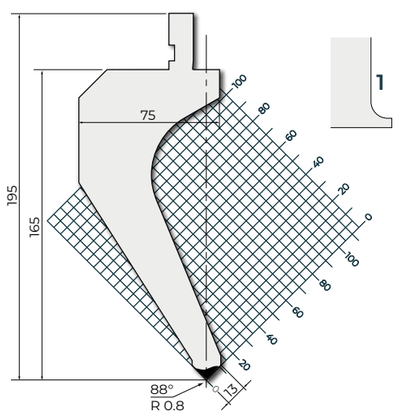


88° ✓

C45: 560-710 N/mm² — 600 kN/m max.

P.195.88.R08

835 mm	€ 1.080,-	41.0 kg	
415 mm	€ 601,-	20.4 kg	
795 mm	€ 1.458,-	39.5 kg	FX
805 mm	€ 1.458,-	39.5 kg	F

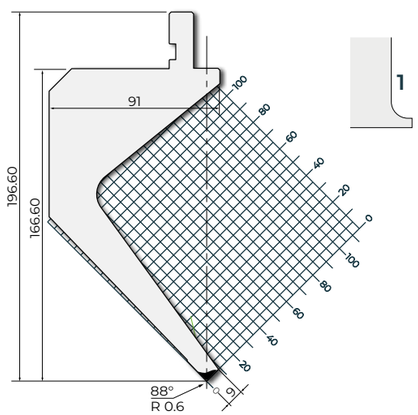


88°

C45: 560-710 N/mm² — 300 kN/m max.

P.196.88.R06

835 mm	€ 1.129,-	41.8 kg	
415 mm	€ 645,-	20.8 kg	
795 mm	€ 1.548,-	40.2 kg	FX
805 mm	€ 1.548,-	40.2 kg	F
900 mm	€ 1.129,-	45.0 kg	



88° ✓

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Oberwerkzeuge - R1 Serie **CLASSIC**

C45: 560-710 N/mm² — 1000 kN/m max.

P.97.85.R08

H=66.60 / A=96.50 / R=0.8

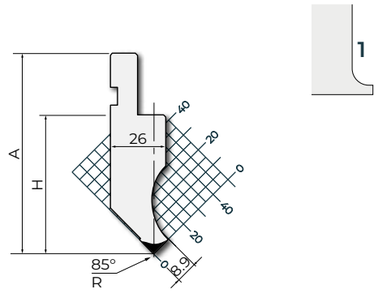
835 mm	€ 122,-	11.0 kg	
415 mm	€ 69,-	5.5 kg	
795 mm	€ 231,-	10.4 kg	FX
805 mm	€ 231,-	10.6 kg	F

C45: 560-710 N/mm² — 1000 kN/m max.

PK.95.85.R3

H=65.45 / A=95.45 / R=3.0

835 mm	€ 143,-	11.0 kg	
415 mm	€ 83,-	5.5 kg	
795 mm	€ 256,-	10.4 kg	FX
805 mm	€ 256,-	10.6 kg	F

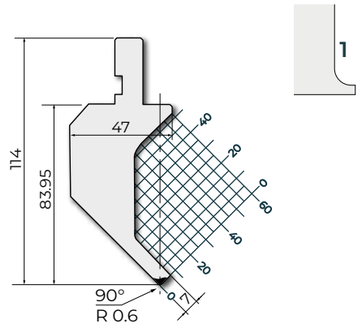


85° ✓

C45: 560-710 N/mm² — 600 kN/m max.

PK.120.85.R08

835 mm	€ 343,-	21.0 kg	
415 mm	€ 191,-	10.5 kg	
795 mm	€ 500,-	21.0 kg	FX
805 mm	€ 500,-	21.0 kg	F

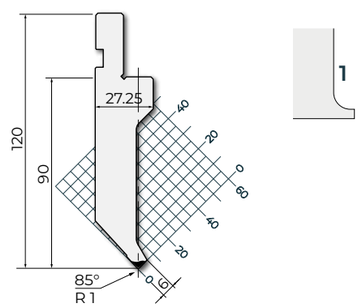


85° ✓

42Cr: 900-1150 N/mm² — 800 kN/m max.

P.120.85.R1

835 mm	€ 293,-	13.5 kg	
415 mm	€ 175,-	6.7 kg	
795 mm	€ 455,-	12.9 kg	FX
805 mm	€ 455,-	13.0 kg	F

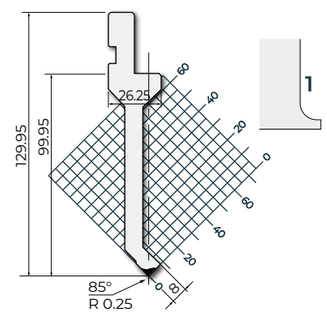


85°

42Cr: 900-1150 N/mm² — 350 kN/m max.

P.130.85.R025

835 mm	€ 319,-	11.5 kg	
415 mm	€ 177,-	5.7 kg	
795 mm	€ 446,-	10.9 kg	FX
805 mm	€ 446,-	11.1 kg	F



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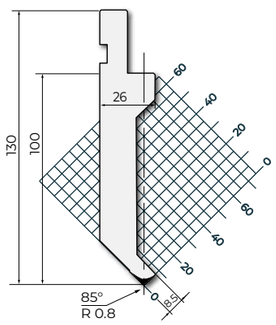
C45: 560-710 N/mm² — 700 kN/m max.

P.130.85.R08

835 mm	€ 240,-	13.7 kg	
415 mm	€ 139,-	6.8 kg	
795 mm	€ 394,-	13.0 kg	FX
805 mm	€ 394,-	13.2 kg	F

NEU

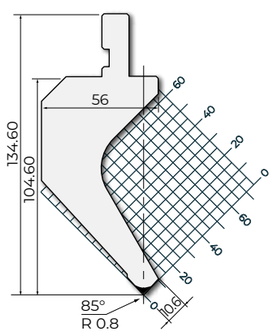


85° ✓

C45: 560-710 N/mm² — 500 kN/m max.

PK.135.85.R08

835 mm	€ 332,-	22.2 kg	
415 mm	€ 184,-	11.0 kg	
795 mm	€ 482,-	21.7 kg	FX
805 mm	€ 482,-	21.7 kg	F

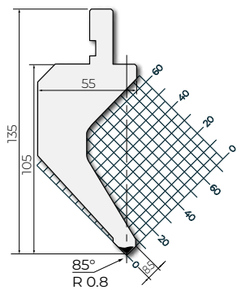


85° ✓

42Cr: 900-1150 N/mm² — 800 kN/m max.

P.135.85.R08

835 mm	€ 555,-	20.9 kg	
415 mm	€ 317,-	10.4 kg	
795 mm	€ 803,-	19.2 kg	FX
805 mm	€ 803,-	19.2 kg	F

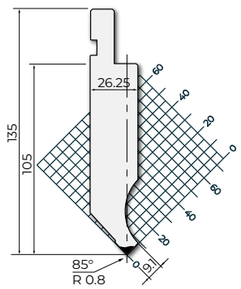


85° ✓

C45: 560-710 N/mm² — 1000 kN/m max.

PS.135.85.R08

835 mm	€ 202,-	17.7 kg	
415 mm	€ 117,-	8.5 kg	
795 mm	€ 384,-	16.0 kg	FX
805 mm	€ 384,-	16.0 kg	F



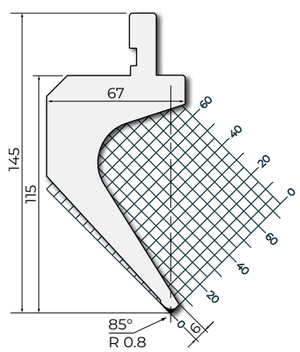
85° ✓

Oberwerkzeuge - R1 Serie **CLASSIC**

42Cr: 900-1150 N/mm² — 600 kN/m max.

P.145.85.R08

835 mm	€ 685,-	22.6 kg	
415 mm	€ 392,-	11.2 kg	
795 mm	€ 967,-	20.0 kg	FX
805 mm	€ 967,-	20.0 kg	F



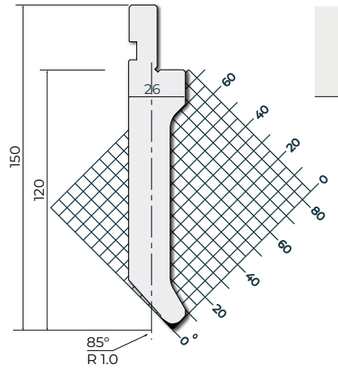
85° ✓

C45: 560-710 N/mm² — 700 kN/m max.

P.150.85.R1

835 mm	€ 184,-	17.5 kg	
415 mm	€ 107,-	8.7 kg	
795 mm	€ 348,-	16.6 kg	FX
805 mm	€ 348,-	16.9 kg	F

NEU

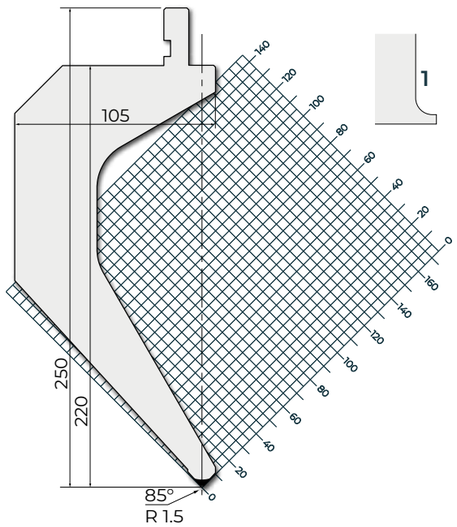


85° ✓

42Cr: 900-1150 N/mm² — 850 kN/m max.

P.250.85.R15

415 mm	€ 1.040,-	33.1 kg	
795 mm	€ 1.877,-	63.3 kg	FX

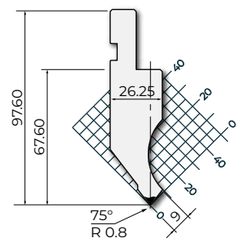


85° ✓

42Cr: 900-1150 N/mm² — 1000 kN/m max.

P.97.75.R08

835 mm	€ 195,-	11.0 kg	
415 mm	€ 113,-	5.5 kg	
795 mm	€ 373,-	11.0 kg	FX
805 mm	€ 373,-	11.0 kg	F



75° ✓

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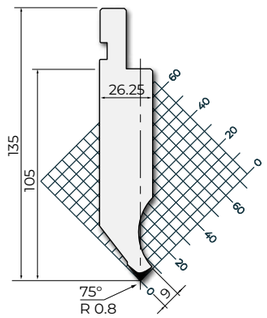
Oberwerkzeuge - R1 Serie **CLASSIC**

42Cr: 900-1150 N/mm² — 1000 kN/m max.

P.135.75.R08

835 mm	€ 257,-	17.5 kg	
415 mm	€ 148,-	8.8 kg	
795 mm	€ 487,-	17.5 kg	FX
805 mm	€ 487,-	17.5 kg	F



1

75°

42Cr: 900-1150 N/mm² — 450 kN/m max.

P.160.70.R08

H=130.00 / A=160.00 / R=0.8

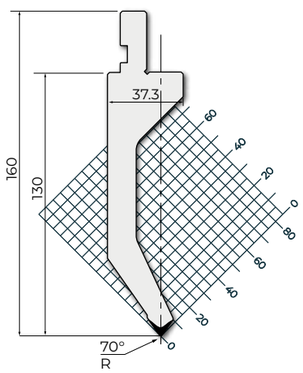
835 mm	€ 454,-	18.0 kg	
415 mm	€ 260,-	8.9 kg	
795 mm	€ 647,-	17.3 kg	FX
805 mm	€ 647,-	17.3 kg	F

42Cr: 900-1150 N/mm² — 450 kN/m max.

P.160.70.R3

H=130.00 / A=160.00 / R=3.0

835 mm	€ 454,-	18.0 kg	
415 mm	€ 260,-	8.9 kg	
795 mm	€ 647,-	17.3 kg	FX
805 mm	€ 647,-	17.3 kg	F



1

70°

Oberwerkzeuge - R1 Serie **CLASSIC**

C45: 560-710 N/mm² — 600 kN/m max.

P.97.60.R08

H=67.00 / A=97.00 / R=0.8

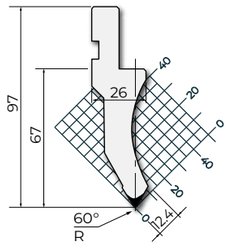
835 mm	€ 160,-	9.0 kg	
415 mm	€ 90,-	4.5 kg	
795 mm	€ 260,-	9.0 kg	FX
805 mm	€ 260,-	9.0 kg	F

C45: 560-710 N/mm² — 600 kN/m max.

P.97.60.R2

H=67.00 / A=97.00 / R=2.0

835 mm	€ 160,-	9.0 kg	
415 mm	€ 90,-	5.0 kg	
795 mm	€ 260,-	9.0 kg	FX
805 mm	€ 260,-	9.0 kg	F



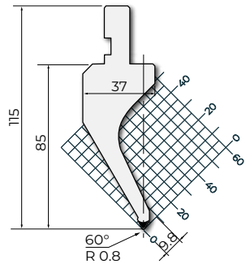
1

60°

42Cr: 900-1150 N/mm² — 400 kN/m max.

P.115.60.R08

835 mm	€ 402,-	11.9 kg	
415 mm	€ 226,-	5.9 kg	
795 mm	€ 524,-	10.7 kg	FX
805 mm	€ 524,-	10.7 kg	F



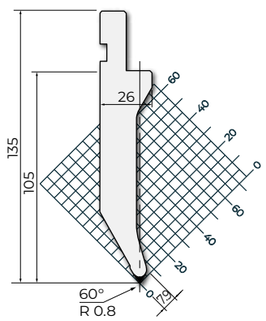
1

60°

42Cr: 900-1150 N/mm² — 800 kN/m max.

P.135.60.R08

835 mm	€ 392,-	14.0 kg	
415 mm	€ 225,-	7.0 kg	
795 mm	€ 587,-	13.5 kg	FX
805 mm	€ 587,-	13.5 kg	F



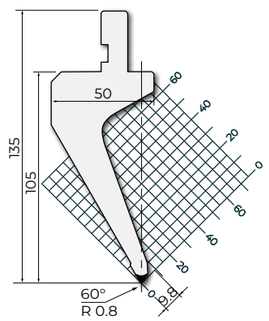
1

60°

42Cr: 900-1150 N/mm² — 700 kN/m max.

PG.135.60.R08

835 mm	€ 587,-	16.5 kg	
415 mm	€ 326,-	8.5 kg	
795 mm	€ 760,-	16.0 kg	FX
805 mm	€ 760,-	16.0 kg	F



1

60°

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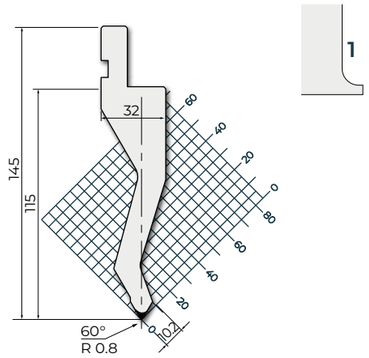
Oberwerkzeuge - R1 Serie **CLASSIC**

42Cr: 900-1150 N/mm² — 700 kN/m max.

P.145.60.R08

835 mm	€ 443,-	15.0 kg	
415 mm	€ 234,-	7.5 kg	
795 mm	€ 579,-	15.0 kg	FX
805 mm	€ 579,-	15.0 kg	F

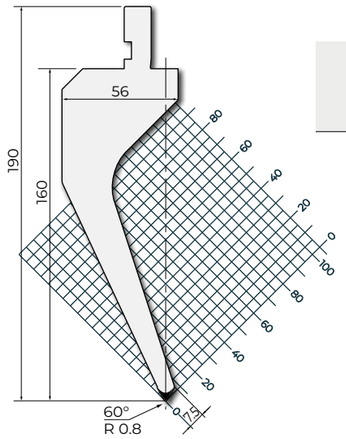


60° ✓

C45: 560-710 N/mm² — 400 kN/m max.

P.190.60.R08

835 mm	€ 942,-	27.0 kg	
415 mm	€ 519,-	13.5 kg	
795 mm	€ 1.253,-	26.0 kg	FX
805 mm	€ 1.253,-	26.1 kg	F



60° ✓

C45: 560-710 N/mm² — 800 kN/m max.

P.95.45.R08

H=65.10 / A=95.10 / R=0.8

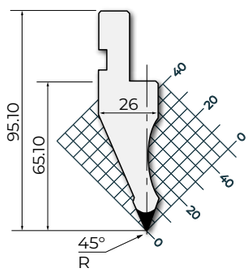
835 mm	€ 171,-	9.5 kg	
415 mm	€ 95,-	4.2 kg	
795 mm	€ 286,-	9.0 kg	FX
805 mm	€ 286,-	9.0 kg	F

C45: 560-710 N/mm² — 800 kN/m max.

P.95.45.R15

H=65.10 / A=95.10 / R=1.5

835 mm	€ 153,-	9.5 kg	
415 mm	€ 87,-	4.2 kg	
795 mm	€ 249,-	9.5 kg	FX
805 mm	€ 249,-	9.5 kg	F

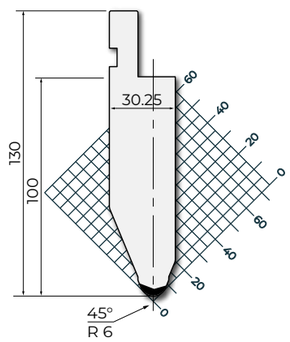


45° ✓

C45: 560-710 N/mm² — 1000 kN/m max.

P.130.45.R6

835 mm	€ 208,-	19.5 kg	
415 mm	€ 119,-	9.6 kg	
795 mm	€ 328,-	18.3 kg	FX
805 mm	€ 328,-	18.3 kg	F



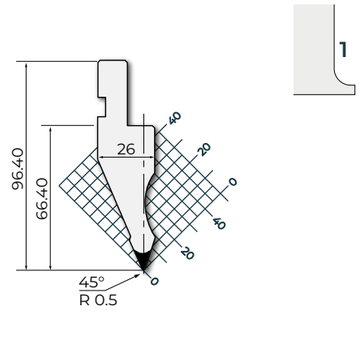
45° ✓

Oberwerkzeuge - R1 Serie **CLASSIC**

C45: 560-710 N/mm² — 800 kN/m max.

P.97.45.R05

835 mm	€ 153,-	10.2 kg	
415 mm	€ 87,-	5.1 kg	
795 mm	€ 249,-	10.2 kg	FX
805 mm	€ 249,-	10.2 kg	F
900 mm	€ 352,-	10.2 kg	

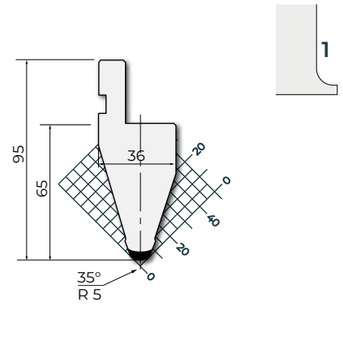


45° ✓

C45: 560-710 N/mm² — 1000 kN/m max.

P.95.35.R5

835 mm	€ 214,-	13.5 kg	
415 mm	€ 123,-	7.0 kg	
795 mm	€ 344,-	14.0 kg	FX
805 mm	€ 344,-	14.0 kg	F

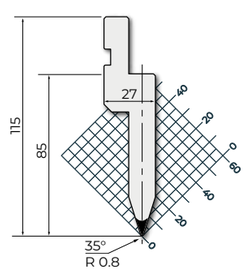


35° ✓

C45: 560-710 N/mm² — 1000 kN/m max.

PU.85.35.R08

835 mm	€ 166,-	11.0 kg	
415 mm	€ 98,-	5.5 kg	
795 mm	€ 277,-	10.5 kg	FX
805 mm	€ 277,-	10.5 kg	F



35° ✓

C45: 560-710 N/mm² — 700 kN/m max.

P.116.35.R08

H=86.00 / A=116.00 / R=0.8

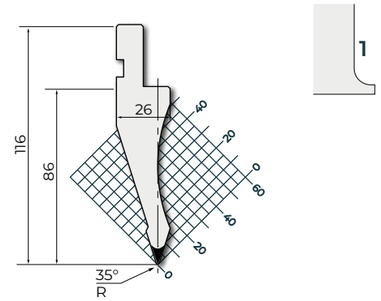
835 mm	€ 173,-	10.5 kg	
415 mm	€ 98,-	5.7 kg	
795 mm	€ 278,-	10.1 kg	FX
805 mm	€ 278,-	10.1 kg	F

C45: 560-710 N/mm² — 700 kN/m max.

P.116.35.R15

H=86.00 / A=116.00 / R=1.5

835 mm	€ 173,-	11.0 kg	
415 mm	€ 98,-	5.7 kg	
795 mm	€ 278,-	10.0 kg	FX
805 mm	€ 278,-	10.0 kg	F



35° ✓

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C45: 560-710 N/mm² — 700 kN/m max.

P.120.35.R08

H=90.00 / A=120.00 / R=0.8

835 mm	€	176,-	12.3 kg	
415 mm	€	99,-	6.1 kg	
795 mm	€	284,-	11.5 kg	FX
805 mm	€	284,-	11.5 kg	F

C45: 560-710 N/mm² — 700 kN/m max.

P.120.35.R15

H=90.00 / A=120.00 / R=1.5

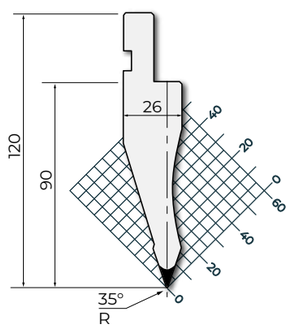
835 mm	€	176,-	12.5 kg	
415 mm	€	99,-	6.0 kg	
795 mm	€	284,-	12.0 kg	FX
805 mm	€	284,-	12.0 kg	F

C45: 560-710 N/mm² — 700 kN/m max.

P.120.35.R3

H=90.00 / A=120.00 / R=3.0

835 mm	€	208,-	13.0 kg	
415 mm	€	120,-	6.4 kg	
795 mm	€	359,-	12.0 kg	FX
805 mm	€	359,-	12.0 kg	F



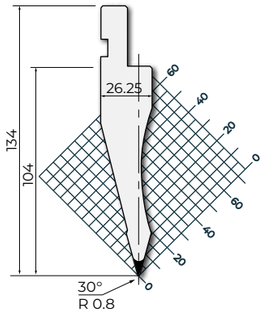
35°

Oberwerkzeuge - R1 Serie **CLASSIC**

C45: 560-710 N/mm² — 700 kN/m max.

PS.134.30.R08

835 mm	€	281,-	13.3 kg	
415 mm	€	164,-	6.5 kg	
795 mm	€	432,-	12.5 kg	FX
805 mm	€	432,-	12.5 kg	F

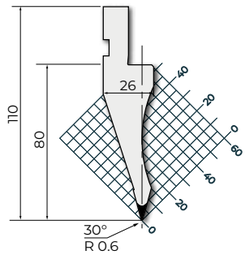


30°

C45: 560-710 N/mm² — 500 kN/m max.

P.110.30.R06

835 mm	€	281,-	10.5 kg	
415 mm	€	164,-	5.2 kg	
795 mm	€	431,-	10.0 kg	FX
805 mm	€	431,-	10.0 kg	F

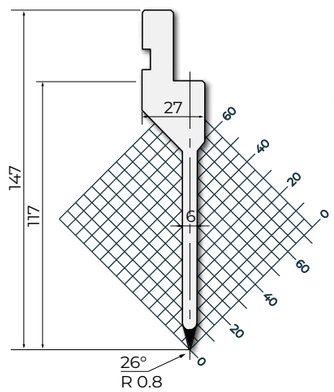


30°

42Cr: 900-1150 N/mm² — 500 kN/m max.

P.147.26.R08

835 mm	€	417,-	9.8 kg	
415 mm	€	236,-	4.9 kg	
795 mm	€	624,-	9.8 kg	FX
805 mm	€	624,-	9.8 kg	F



26°

C45: 560-710 N/mm² — 1000 kN/m max.

PU.117.26.R08

H=117.00 / A=147.00 / R=0.8

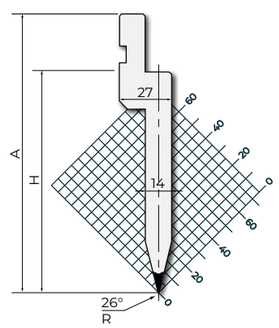
835 mm	€	179,-	13.5 kg	
415 mm	€	107,-	6.5 kg	
795 mm	€	293,-	12.6 kg	FX
805 mm	€	293,-	12.6 kg	F

C45: 560-710 N/mm² — 1000 kN/m max.

PU.117.26.R3

H=109.00 / A=139.00 / R=3.0

835 mm	€	353,-	13.5 kg	
415 mm	€	211,-	6.7 kg	
795 mm	€	466,-	13.5 kg	FX
805 mm	€	466,-	13.5 kg	F



26°

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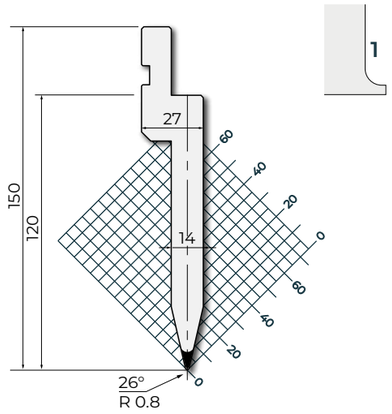
Oberwerkzeuge - R1 Serie **CLASSIC**

C45: 560-710 N/mm² — 1000 kN/m max.

PU.150.26.R08.L

900 mm	€ 406,-	15.0 kg	
415 mm	€ 232,-	6.2 kg	
795 mm	€ 533,-	12.0 kg	FX
805 mm	€ 533,-	12.0 kg	F



26°

Oberwerkzeuge - R1 Serie **A**

C45: 560-710 N/mm² — 1000 kN/m max.

00402

H=66.90 / A=96.90 / R=0.2 / 88°

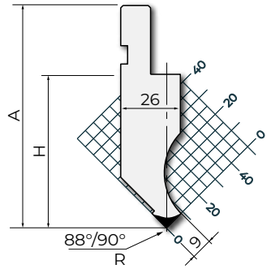
835 mm	€ 141,-	11.0 kg	
415 mm	€ 81,-	5.5 kg	
795 mm	€ 268,-	10.5 kg	FX
800 mm	€ 268,-	10.5 kg	FC

C45: 560-710 N/mm² — 1000 kN/m max.

01602

H=66.92 / A=96.92 / R=0.2 / 90°

835 mm	€ 141,-	11.0 kg	
415 mm	€ 81,-	5.5 kg	
795 mm	€ 268,-	10.5 kg	FX
800 mm	€ 268,-	10.5 kg	FC



88° - 90°

C45: 560-710 N/mm² — 1000 kN/m max.

00430

H=65.68 / A=95.68 / R=3.0 / 88°

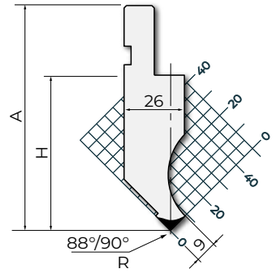
835 mm	€ 141,-	11.1 kg	
415 mm	€ 81,-	5.5 kg	
795 mm	€ 268,-	10.5 kg	FX
800 mm	€ 268,-	10.5 kg	FC

C45: 560-710 N/mm² — 1000 kN/m max.

01630

H=65.60 / A=95.60 / R=3.0 / 90°

835 mm	€ 141,-	11.0 kg	
415 mm	€ 81,-	5.5 kg	
795 mm	€ 268,-	10.5 kg	FX
800 mm	€ 268,-	10.5 kg	FC



88° - 90°

42Cr: 900-1150 N/mm² — 200 kN/m max.

11700

H=66.91 / A=96.91 / R=0.2 / 88°

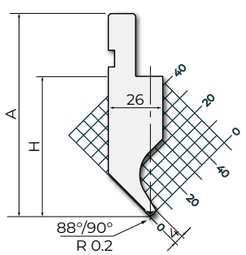
835 mm	€ 200,-	10.7 kg	
415 mm	€ 111,-	5.3 kg	
795 mm	€ 317,-	10.3 kg	FX
800 mm	€ 317,-	10.2 kg	FC

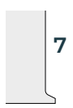
42Cr: 900-1150 N/mm² — 200 kN/m max.

11600

H=66.91 / A=96.91 / R=0.2 / 90°

835 mm	€ 200,-	11.0 kg	
415 mm	€ 111,-	5.5 kg	
795 mm	€ 263,-	10.1 kg	FX
800 mm	€ 317,-	11.0 kg	FC





88° - 90°

42Cr: 900-1150 N/mm² — 500 kN/m max.

04502

H=104.91 / A=134.91 / R=0.2 / 88°

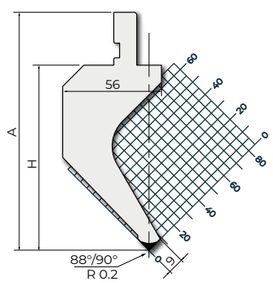
835 mm	€ 340,-	22.0 kg	
415 mm	€ 257,-	10.9 kg	
795 mm	€ 581,-	22.0 kg	FX
800 mm	€ 581,-	22.0 kg	FC

42Cr: 900-1150 N/mm² — 500 kN/m max.

04600

H=104.91 / A=134.91 / R=0.2 / 90°

835 mm	€ 475,-	22.0 kg	
415 mm	€ 257,-	11.0 kg	
795 mm	€ 581,-	21.0 kg	FX
800 mm	€ 581,-	21.3 kg	FC



88° - 90°

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Oberwerkzeuge - R1 Serie A

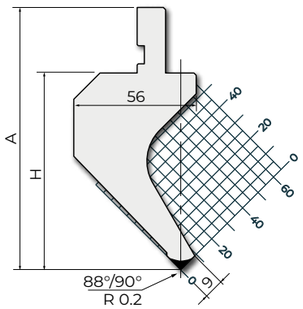
42Cr: 900-1150 N/mm²	700 kN/m max.		
45202			
H=89.91 / A=119.91 / R=0.2 / 88°			
835 mm	€ 307,-	19.6 kg	
415 mm	€ 225,-	9.7 kg	
795 mm	€ 549,-	18.9 kg	FX
800 mm	€ 549,-	18.9 kg	FC

42Cr: 900-1150 N/mm²	700 kN/m max.		
46200			
H=89.91 / A=119.91 / R=0.2 / 90°			
835 mm	€ 307,-	19.6 kg	
415 mm	€ 225,-	9.8 kg	
795 mm	€ 549,-	18.7 kg	FX
800 mm	€ 549,-	18.9 kg	FC

42Cr: 900-1150 N/mm²	500 kN/m max.		
04702			
H=120.00 / A=150.00 / R=0.2 / 88°			
835 mm	€ 603,-	25.8 kg	
415 mm	€ 374,-	12.9 kg	
795 mm	€ 710,-	24.6 kg	FX
800 mm	€ 710,-	24.9 kg	FC

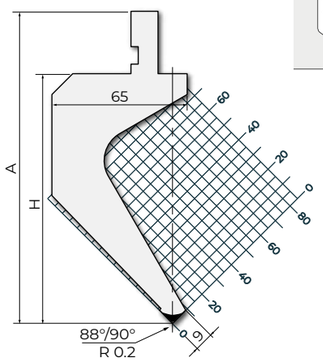
42Cr: 900-1150 N/mm²	500 kN/m max.		
04800			
H=120.00 / A=150.00 / R=0.2 / 90°			
835 mm	€ 603,-	25.9 kg	
415 mm	€ 374,-	12.9 kg	
795 mm	€ 710,-	24.6 kg	FX
800 mm	€ 710,-	24.9 kg	FC

3



88° - 90°

3

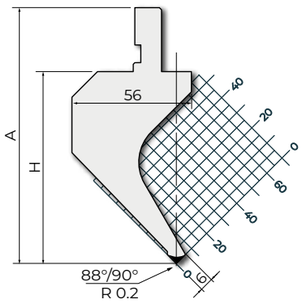


88° - 90°

42Cr: 900-1150 N/mm²	500 kN/m max.		
45302			
H=89.91 / A=119.91 / R=0.2 / 88°			
835 mm	€ 419,-	18.6 kg	
415 mm	€ 222,-	9.3 kg	
795 mm	€ 545,-	17.7 kg	FX
800 mm	€ 545,-	17.9 kg	FC

42Cr: 900-1150 N/mm²	500 kN/m max.		
46300			
H=89.91 / A=119.91 / R=0.2 / 90°			
835 mm	€ 300,-	18.6 kg	
415 mm	€ 222,-	9.3 kg	
795 mm	€ 545,-	17.7 kg	FX
800 mm	€ 545,-	17.9 kg	FC

7



88° - 90°

Oberwerkzeuge - R1 Serie A

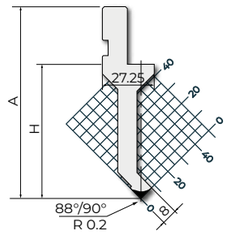
42Cr: 900-1150 N/mm²	300 kN/m max.		
20000			
H=69.91 / A=99.91 / R=0.2 / 88°			
835 mm	€ 217,-	7.9 kg	
415 mm	€ 111,-	3.9 kg	
795 mm	€ 329,-	7.5 kg	FX
800 mm	€ 329,-	7.5 kg	FC

42Cr: 900-1150 N/mm²	300 kN/m max.		
20100			
H=69.91 / A=99.91 / R=0.2 / 90°			
835 mm	€ 217,-	7.9 kg	
415 mm	€ 111,-	3.9 kg	
795 mm	€ 329,-	7.6 kg	FX
800 mm	€ 329,-	7.7 kg	FC

42Cr: 900-1150 N/mm²	300 kN/m max.		
20200			
H=99.91 / A=129.91 / R=0.2 / 88°			
835 mm	€ 294,-	10.0 kg	
415 mm	€ 171,-	5.0 kg	
795 mm	€ 457,-	9.5 kg	FX
800 mm	€ 457,-	9.6 kg	FC

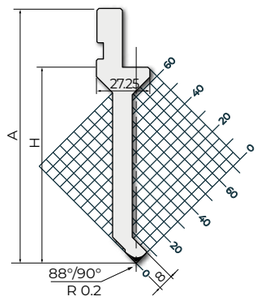
42Cr: 900-1150 N/mm²	300 kN/m max.		
20300			
H=99.91 / A=129.91 / R=0.2 / 90°			
835 mm	€ 294,-	10.0 kg	
415 mm	€ 171,-	5.0 kg	
795 mm	€ 457,-	9.5 kg	FX
800 mm	€ 457,-	9.6 kg	FC

4



88° - 90°

4



88° - 90°

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Oberwerkzeuge - R1 Serie A

C45: 560-710 N/mm² — 1000 kN/m max.

00480

H=66.91 / A=96.91 / R=0.2 / 88°

835 mm	€ 141,-	11.0 kg	
415 mm	€ 81,-	5.5 kg	
795 mm	€ 268,-	10.5 kg	FX
800 mm	€ 268,-	10.5 kg	FC

C45: 560-710 N/mm² — 400 kN/m max.

01680

H=66.91 / A=96.91 / R=0.2 / 90°

835 mm	€ 206,-	10.7 kg	
415 mm	€ 134,-	5.5 kg	
795 mm	€ 336,-	10.2 kg	FX
800 mm	€ 336,-	10.3 kg	FC

C45: 560-710 N/mm² — 800 kN/m max.

00490

H=66.91 / A=96.91 / R=0.2 / 88°

835 mm	€ 190,-	11.0 kg	
415 mm	€ 119,-	5.5 kg	
795 mm	€ 312,-	10.5 kg	FX
800 mm	€ 312,-	10.6 kg	FC

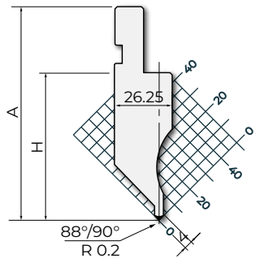
C45: 560-710 N/mm² — 800 kN/m max.

01690

H=66.91 / A=96.91 / R=0.2 / 90°

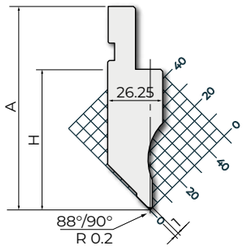
835 mm	€ 190,-	11.0 kg	
415 mm	€ 119,-	5.5 kg	
795 mm	€ 312,-	10.5 kg	FX
800 mm	€ 312,-	10.6 kg	FC

3



88° - 90°

3



88° - 90°

42Cr: 900-1150 N/mm² — 500 kN/m max.

10900

H=94.91 / A=124.91 / R=0.2 / 88°

835 mm	€ 235,-	9.0 kg	
415 mm	€ 108,-	4.5 kg	
795 mm	€ 474,-	8.5 kg	FX
800 mm	€ 474,-	8.6 kg	FC

42Cr: 900-1150 N/mm² — 500 kN/m max.

10906

H=94.74 / A=124.74 / R=0.6 / 88°

835 mm	€ 235,-	9.0 kg	
415 mm	€ 108,-	4.5 kg	
795 mm	€ 474,-	8.5 kg	FX
800 mm	€ 474,-	8.6 kg	FC

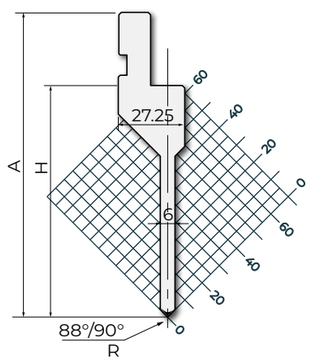
42Cr: 900-1150 N/mm² — 500 kN/m max.

10800

H=94.91 / A=124.91 / R=0.2 / 90°

835 mm	€ 235,-	11.0 kg	
415 mm	€ 108,-	5.5 kg	
795 mm	€ 474,-	8.5 kg	FX
800 mm	€ 474,-	8.6 kg	FC

4



88° - 90°

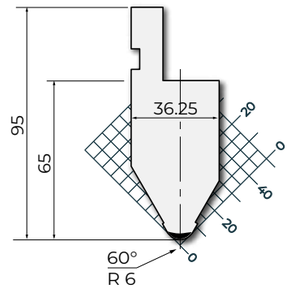
Oberwerkzeuge - R1 Serie A

C45: 560-710 N/mm² — 1000 kN/m max.

00300

835 mm	€ 208,-	15.0 kg	
415 mm	€ 119,-	7.5 kg	
795 mm	€ 334,-	14.4 kg	FX
800 mm	€ 334,-	14.4 kg	FC

6



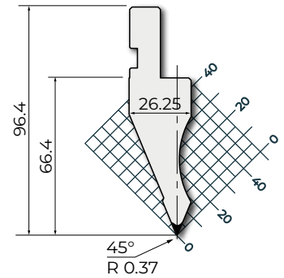
60°

C45: 560-710 N/mm² — 600 kN/m max.

00800

835 mm	€ 158,-	9.3 kg	
415 mm	€ 95,-	4.6 kg	
795 mm	€ 231,-	9.3 kg	FX
800 mm	€ 231,-	9.3 kg	FC

5



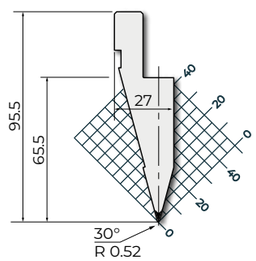
45°

42Cr: 900-1150 N/mm² — 1000 kN/m max.

10300

835 mm	€ 217,-	11.0 kg	
415 mm	€ 119,-	5.5 kg	
795 mm	€ 316,-	10.4 kg	FX
800 mm	€ 316,-	10.5 kg	FC

5



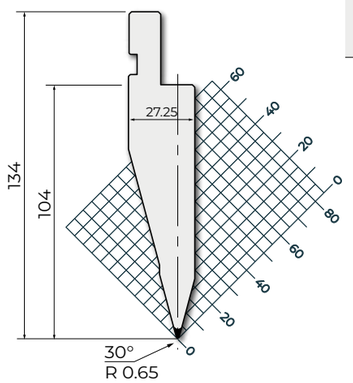
30°

C45: 560-710 N/mm² — 1000 kN/m max.

21000

835 mm	€ 217,-	15.3 kg	
415 mm	€ 119,-	7.6 kg	
795 mm	€ 316,-	14.5 kg	FX
800 mm	€ 316,-	14.6 kg	FC

5



30°

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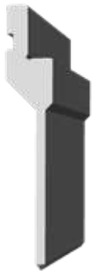
Oberwerkzeuge - R1 Serie **AFH**

Rolleri bietet nun auch Lösungen mit fester Höhe, die mit dem europäischen Stil kompatibel sind und so die dem Amada Stil gewidmete Sektion erweitern können, an.
Alle Rolleri Werkzeuge sind auf dem neuesten Stand der Technik und gewährleisten absolute Präzision bei der Biegung.
Wir liefern Werkzeuge mit einer Ausrichtungstoleranz von +/- 0.01 mm, gefertigt aus zertifizierten Stählen und der Behandlung der Werkzeuge mit einer Induktionshärtung von bis zu 60HRC. 30 Jahre Erfahrung und unsere Präsenz in über 65 Ländern auf der ganzen Welt haben es uns ermöglicht im Laufe der Jahre die besten Lösungen zu gewährleisten. Wir sind in der Lage, kundenspezifische Lösungen für jede Art von Biegung oder Applikation zu liefern und garantieren höchste Präzision und Qualität bei jedem einzelnen Werkzeug.

STANDARD

GEIßFUß

SCHWERTSTEMPEL



SCHWERTSTEMPEL GEKRÖPFT

SPITZSTEMPEL

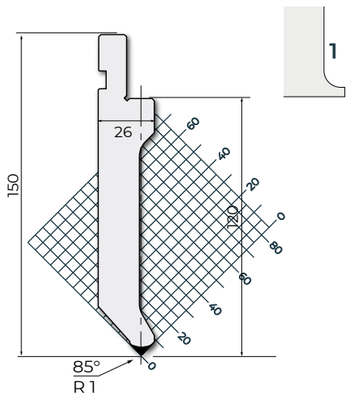
C45: 560-710 N/mm² — 700 kN/m max.

AFH.150.85.R1

835 mm	€ 184,-	17.5 kg	
415 mm	€ 107,-	8.7 kg	
795 mm	€ 348,-	16.6 kg	FX
805 mm	€ 348,-	16.9 kg	F

Verfügbar in H=85

NEU



85°

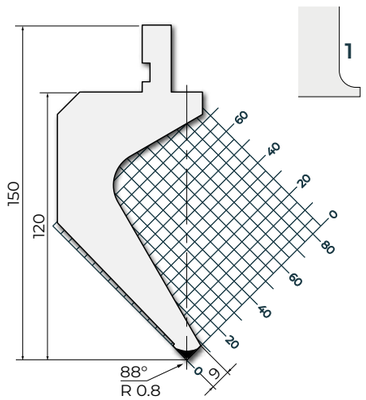
42Cr: 900-1150 N/mm² — 500 kN/m max.

AFH.150.88.R08

835 mm	€ 603,-	21.0 kg	
415 mm	€ 374,-	10.5 kg	
795 mm	€ 710,-	20.5 kg	FX
800 mm	€ 710,-	20.5 kg	FC

Verfügbar in H=85

NEU



88°

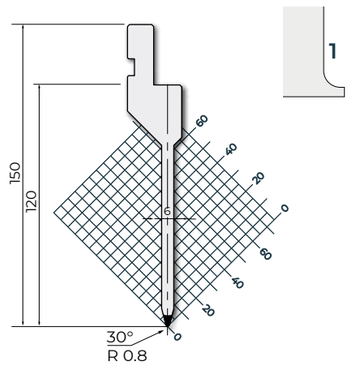
42Cr: 900-1150 N/mm² — 500 kN/m max.

AFH.150.30.R08

900 mm	€ 695,-	10.8 kg	
415 mm	€ 419,-	4.98 kg	
795 mm	€ 848,-	9.5 kg	FX
805 mm	€ 848,-	9.6 kg	F

Verfügbar in H=85

NEU



30°

Oberwerkzeuge - R1 Serie **AFH**

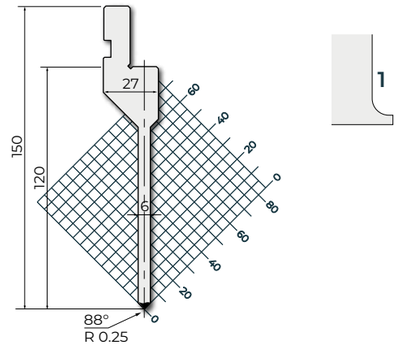
42Cr: 900-1150 N/mm² — 500 kN/m max.

AFH.150.88.R025

900 mm	€ 646,-	10.6 kg	
415 mm	€ 370,-	5.3 kg	
795 mm	€ 799,-	10.1 kg	FX
805 mm	€ 799,-	10.2 kg	F

Verfügbar in H=85

NEU



88°

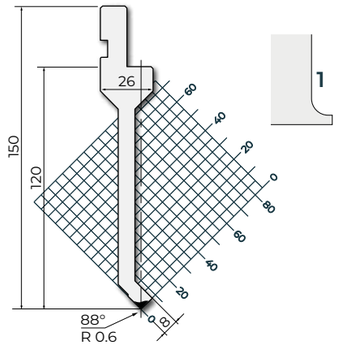
42Cr: 900-1150 N/mm² — 350 kN/m max.

AFH.150.88.R06

900 mm	€ 596,-	12.9 kg	
415 mm	€ 340,-	5.9 kg	
795 mm	€ 749,-	12.2 kg	FX
805 mm	€ 749,-	12.4 kg	F

Verfügbar in H=85

NEU



88°

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Endstücke mit beweglichen Hörnern - R1

- Zum einfachen Kanten von speziellen Kästen
- Einsetzbar auf folgenden Werkzeugen:

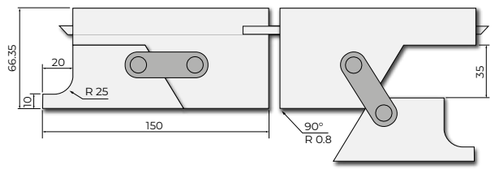
88°	85°	70°	60°	26°
P97.88.R06	TOP.175.85.R08	P.160.70.R08	P.135.60.R08	PU.117.26.R08
P97.88.R08	TOP.205.85.R08		P.145.60.R08	TOP.205.26.R08
P.130.88.R08			TOP.175.60.R08	TOP.175.26.R08
P.150.88.R08				

C45: 560-710 N/mm² — 150 kN/m max.

SCA.M.90.R08

€ 920,- | 3.5 kg

1 Paar links/rechts
passend zu P.97.90.R08

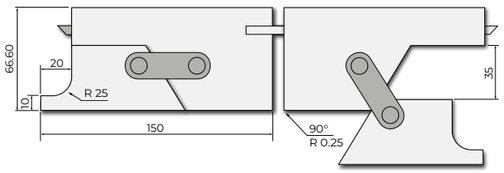


C45: 560-710 N/mm² — 150 kN/m max.

SCA.M.90.R025

€ 920,- | 3.5 kg

1 Paar links/rechts
passend zu PK.97.90.R025



90°

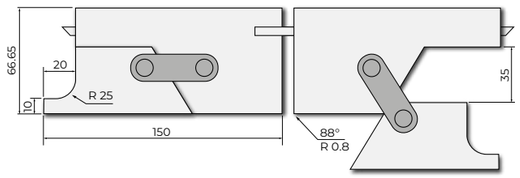
90°

C45: 560-710 N/mm² — 150 kN/m max.

SCA.M.88.R08

€ 920,- | 3.5 kg

1 Paar links/rechts
passend zuP.97.88.R08

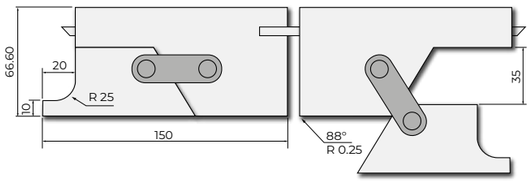


C45: 560-710 N/mm² — 150 kN/m max.

SCA.M.88.R025

€ 920,- | 3.5 kg

1 Paar links/rechts
passend zu PK.97.90.R025



88°

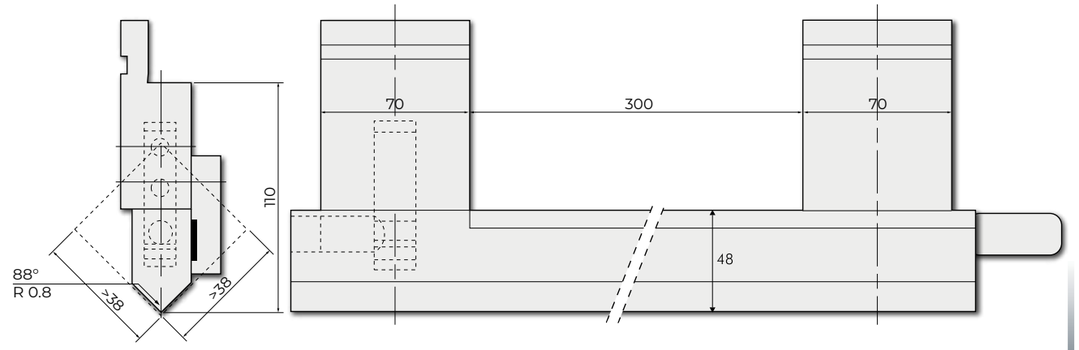
88°

Oberwerkzeug für geschlossene Profile - R1

42Cr: 900-1150 N/mm² — 150 kN/m max.

SPE.11

7.0 kg pro Stück



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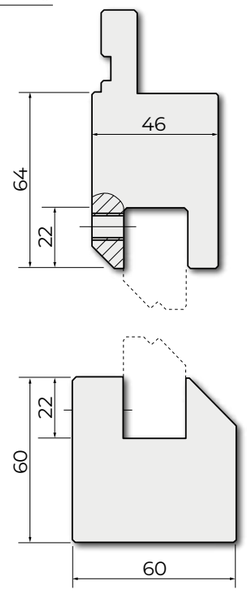
Z-Werkzeuge - R1

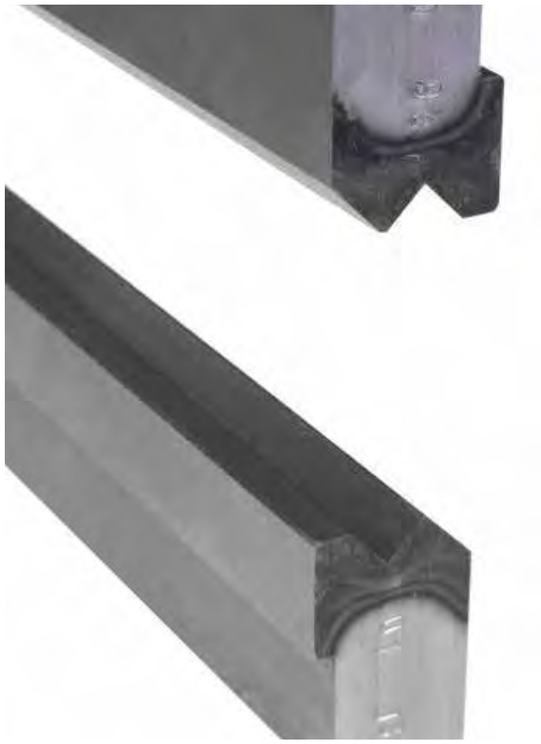
C45: 560-710 N/mm²

1000 kN/m max.

CPZ

835 mm	€ 739,-	37.5 kg
415 mm	€ 450,-	18.7 kg





C45: 560-710 N/mm²

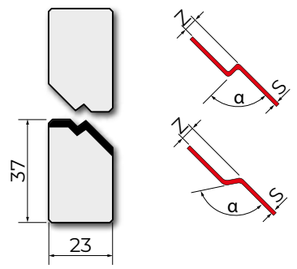
1000 kN/m max.

Z-Werkzeugeinsätze

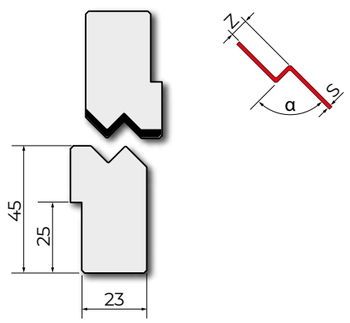
	Z [mm]	α	S* [mm]	835 mm		415 mm		
CEZ 1.0	1.0	160°	1.2	€ 379,-	11.0 kg	€ 232,-	5.5 kg	A
CEZ 1.5	1.5	160°	1.5	€ 379,-	11.0 kg	€ 232,-	5.5 kg	A
CEZ 2.0	2.0	150°	1.4	€ 379,-	11.0 kg	€ 232,-	5.5 kg	A
CEZ 2.5	2.5	140°	1.3	€ 379,-	11.0 kg	€ 232,-	5.5 kg	A
CEZ 1.0/90	1.0	90°	0.3	€ 379,-	11.0 kg	€ 232,-	5.5 kg	A
CEZ 1.5/90	1.5	90°	0.3	€ 379,-	11.0 kg	€ 232,-	5.5 kg	A
CEZ 2.0/90	2.0	90°	0.4	€ 379,-	11.0 kg	€ 232,-	5.5 kg	A
CEZ 2.5/90	2.5	90°	0.5	€ 379,-	11.0 kg	€ 232,-	5.5 kg	A
CEZ 3.0	3.0	90°	1.0	€ 379,-	10.3 kg	€ 232,-	5.1 kg	A
CEZ 3.5	3.5	90°	1.0	€ 379,-	10.0 kg	€ 232,-	5.0 kg	A
CEZ 4.0	4.0	90°	1.2	€ 379,-	10.0 kg	€ 232,-	5.0 kg	A
CEZ 4.5	4.5	90°	1.2	€ 379,-	10.0 kg	€ 232,-	5.0 kg	A
CEZ 5.0	5.0	90°	1.3	€ 379,-	10.0 kg	€ 232,-	5.0 kg	A
CEZ 5.5	5.5	90°	1.4	€ 379,-	10.0 kg	€ 232,-	5.0 kg	A
CEZ 6.0	6.0	90°	1.5	€ 379,-	10.0 kg	€ 232,-	5.0 kg	A
CEZ 6.5	6.5	90°	1.5	€ 379,-	10.0 kg	€ 232,-	5.0 kg	A
CEZ 7.0	7.0	90°	1.5	€ 379,-	10.0 kg	€ 232,-	5.0 kg	A
CEZ 7.5	7.5	90°	1.6	€ 379,-	10.0 kg	€ 232,-	5.0 kg	A
CEZ 8.0	8.0	90°	1.6	€ 379,-	10.0 kg	€ 232,-	5.0 kg	A
CEZ 9.0	9	90°	1.8	€ 421,-	13.5 kg	€ 257,-	6.5 kg	B
CEZ 10.0	10	90°	1.8	€ 421,-	13.5 kg	€ 257,-	5.0 kg	B
CEZ 11.0	11	90°	2	€ 421,-	13.5 kg	€ 257,-	5.0 kg	B
CEZ 12.0	12	90°	2	€ 421,-	13.5 kg	€ 257,-	5.0 kg	B
CEZ 13.0	13	90°	2	€ 421,-	13.5 kg	€ 257,-	5.0 kg	B
CEZ 14.0	14	90°	2	€ 421,-	13.5 kg	€ 257,-	5.0 kg	B
CEZ 15.0	15	90°	2.3	€ 421,-	13.5 kg	€ 257,-	5.0 kg	B

* Fe Rmax = 420 N/mm²

A



B



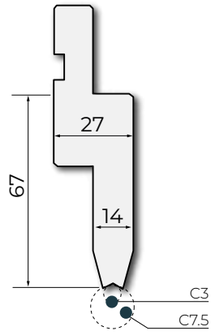
Radienwerkzeuge - R1

C45: 560-710 N/mm²

400 kN/m max.

PU.67.14-S

830 mm	€ 292,-	9.7 kg
410 mm	€ 175,-	5.0 kg



C45: 560-710 N/mm²

400 kN/m max.

C3 - C7.5

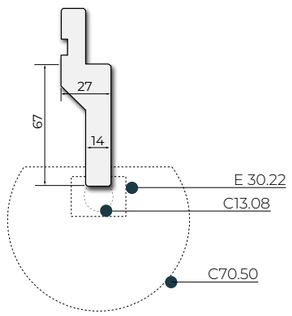
	R [mm]	835 mm		415 mm	
C3	3.0	€ 59,-	0.20 kg	€ 36,-	0.10 kg
C3.5	3.5	€ 61,-	0.20 kg	€ 38,-	0.10 kg
C4	4.0	€ 63,-	0.35 kg	€ 39,-	0.17 kg
C4.5	4.5	€ 67,-	0.50 kg	€ 42,-	0.25 kg
C5	5.0	€ 70,-	0.60 kg	€ 44,-	0.30 kg
C5.5	5.5	€ 76,-	0.70 kg	€ 45,-	0.35 kg
C6	6.0	€ 78,-	0.80 kg	€ 46,-	0.40 kg
C6.5	6.5	€ 80,-	1.00 kg	€ 49,-	0.50 kg
C7	7.0	€ 78,-	0.80 kg	€ 46,-	0.40 kg
C7.5	7.5	€ 80,-	1.00 kg	€ 49,-	0.50 kg

Radienwerkzeuge - R1

C45: 560-710 N/mm² — 800 kN/m max.

PU.67.14

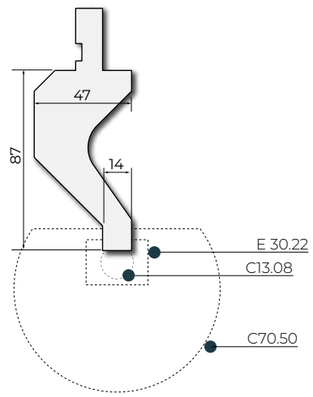
830 mm	€	142,-	9.0 kg
410 mm	€	81,-	5.0 kg



C45: 560-710 N/mm2 — 500 kN/m max.

PU.87.14

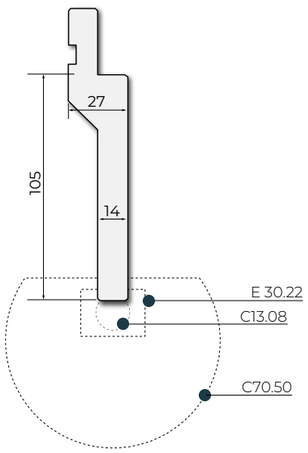
830 mm	€	442,-	9.0 kg
412 mm	€	251,-	4.5 kg



C45: 560-710 N/mm² — 800 kN/m max.

PU.105.14

830 mm	€	227,-	12.0 kg
412 mm	€	124,-	6.0 kg

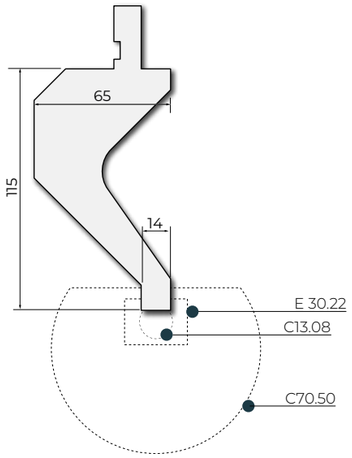


Halter, Radienwerkzeuge und Zudrückwerkzeuge - R1

C45: 560-710 N/mm² — 500 kN/m max.

PU.115.14

830 mm	€	586,-	26.0 kg
412 mm	€	328,-	13.0 kg

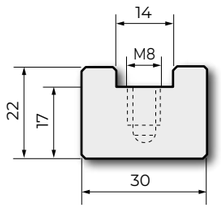


C45: 560-710 N/mm² — 800 kN/m max.

E30.22

830 mm	€	97,-	3.5 kg
412 mm	€	55,-	1.7 kg

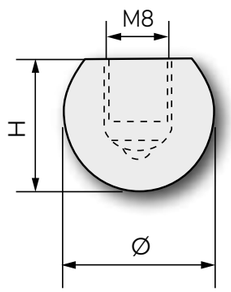
▸ Zudrückwerkzeug

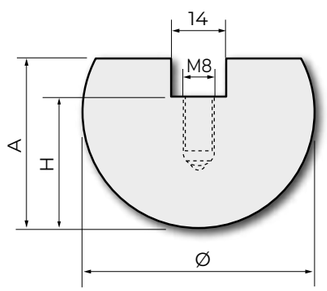


C45: 560-710 N/mm² — 800 kN/m max.

Radienwerkzeuge ø 16 - 100

	Ø [mm]	H [mm]	A [mm]	835 mm		415 mm	
C13.08	16	13	-	€ 64,-	2.0 kg	€ 40,-	1.0 kg
C13.09	18	16	-	€ 64,-	2.0 kg	€ 40,-	1.0 kg
C16.10	20	16	-	€ 55,-	2.0 kg	€ 33,-	1.0 kg
C17.12	25	17	22	€ 89,-	2.5 kg	€ 55,-	1.2 kg
C20.15	30	20	27	€ 79,-	3.7 kg	€ 47,-	1.8 kg
C22.17	35	22	32	€ 113,-	5.0 kg	€ 64,-	2.4 kg
C24.20	40	24	34	€ 96,-	7.0 kg	€ 59,-	3.5 kg
C25.22	45	25	35	€ 100,-	7.5 kg	€ 59,-	3.8 kg
C29.25	50	29	39	€ 104,-	10.0 kg	€ 60,-	4.7 kg
C34.27	55	34	44	€ 113,-	12.4 kg	€ 64,-	6.2 kg
C34.30	60	34	44	€ 126,-	13.5 kg	€ 78,-	6.7 kg
C37.32	65	37	47	€ 189,-	15.9 kg	€ 100,-	7.9 kg
C45.35	70	45	55	€ 254,-	20.3 kg	€ 139,-	10.0 kg
C42.37	75	42	52	€ 273,-	20.5 kg	€ 151,-	10.3 kg
C45.40	80	45	55	€ 291,-	23.0 kg	€ 156,-	11.5 kg
C60.45	90	60	70	€ 352,-	34.0 kg	€ 190,-	17.0 kg
C70.50	100	70	80	€ 371,-	43.5 kg	€ 211,-	21.7 kg





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MATRIZEN ROLLERI TYP R1

▼ **KOMPATIBILITÄT**

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

Erläuterungen	50 - 51
R1 Serie **CLASSIC**	
2-V Matrizen und Matrizenhalter	52 - 54
90°	52
88°	52
60°	53
35°	53
Matrizenhalter	54
Zentrische 2-V Matrizen und Matrizenhalter	55 - 56
90°	55
88°	55 - 56
85°	56
30°	56
Matrizenhalter und Klemmstücke	56
Zentrische 1-V Matrizen und Matrizenhalter	57 - 58
88°	57
85°	57
30°	58
Matrizenhalter	58
T-Matrizen	59 - 67
90°	59
88°	60
85°	61
80°	62
60°	63
45°	64
35°	65
30°	66
26°	67
1-V Matrizen	68 - 69
85°	68
80°	68 - 69
70°	69
60°	69
45°	69

Multi-V-Matrizen und Matrizenhalter	70 - 71
Multi-V-Matrizen	70 - 71
Matrizenhalter	71
R1 Serie **A**	
2-V Matrizen	72 - 73
90°	72
88°	72 - 73
Zentrische 2-V Matrizen und Matrizenhalter	74 - 76
90°	74
88°	75 - 76
Matrizenhalter	76
Zentrische 1-V Matrizen und Matrizenhalter	77 - 78
90°, H=30 mm	77
88°, H=30 mm	77
90°, H=60 mm	78
88°, H=60 mm	78
Matrizenhalter	78
1-V Matrizen	79 - 80
85°	79
45°	79
30°	79 - 80
Zudrückmatrizen	81
Federgelagerte Zudrückmatrizen	82 - 83
Pneumatische Zudrückmatrizen	84 - 85

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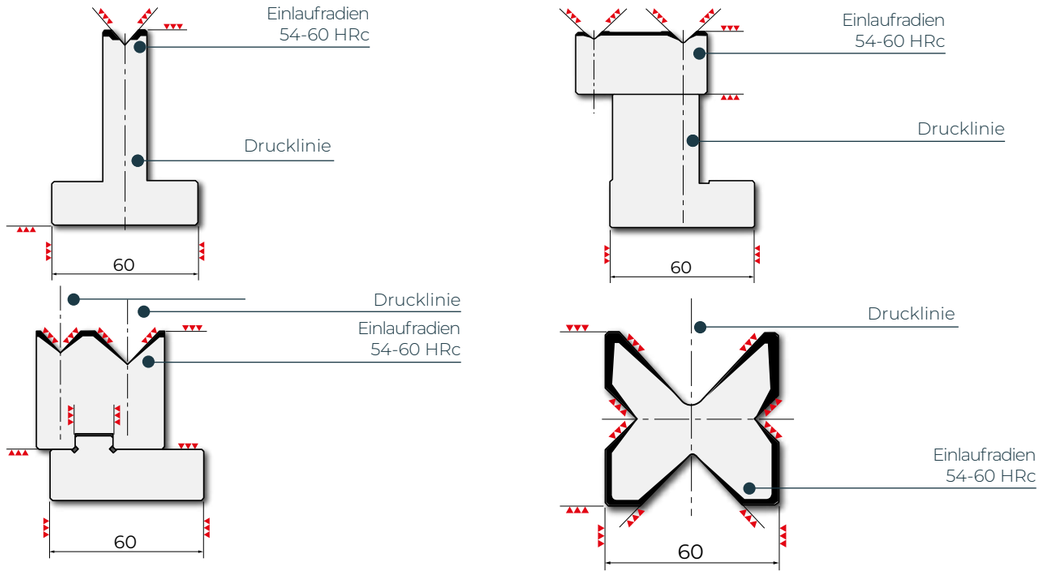
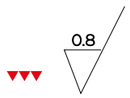
AUFNAHME

Alle Matrizen R1 sind standardmäßig mit einer 60 mm Aufnahme versehen.



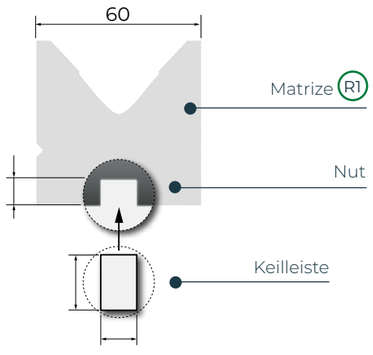


MODIFIKATION KEILLEISTE

Um die Matrizen R1 auch auf anderen Abkantpressen zu verwenden, wird eine 10 mm Nut eingefräst und eine geschliffene Keilleiste in benötigter Größe eingesetzt.

Keilleiste B x H	System
13 x 30 mm	R2 R3 Bystronic-Beyeler,Safan,Trumpf,etc.
55 x 55 mm	RX EHT
12.7 x 29 mm	R4
35 x 55 mm	RX Weinbrenner

Montagebeispiel



Erläuterungen - R1

WERKZEUGLÄNGEN

▸ **TOP**

525 mm

▸ **CLASSIC · A**

415 mm

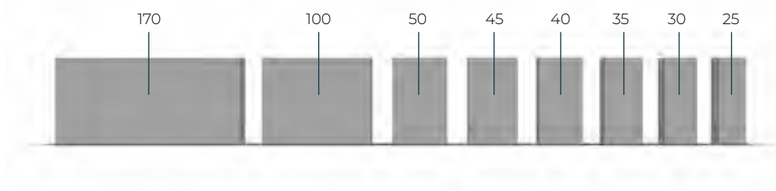
835 mm

900 mm

SEKTIONIERUNGEN

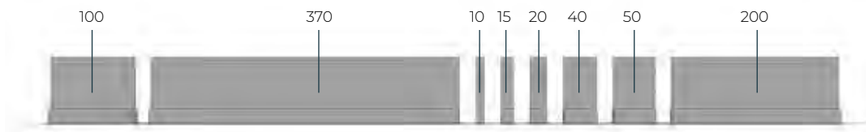
▸ **TOP**

FC: 495 mm - 8 segmente

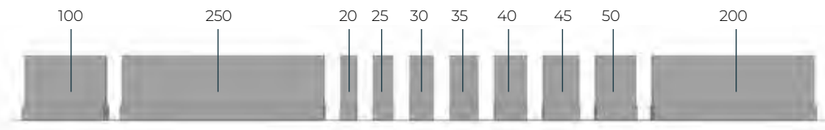


▸ **CLASSIC · A**

F: 805 mm - 8 segmente



FX: 795 mm - 10 segmente



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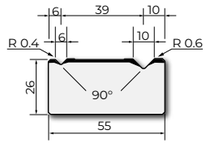
C45: 560-710 N/mm² — 1000 kN/m max.

M26.90.01

835 mm	€	123,-	9.0 kg
415 mm	€	71,-	4.5 kg
900 mm	€	225,-	10.0 kg

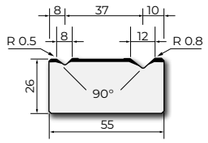


90° ✓

C45: 560-710 N/mm² — 1000 kN/m max.

M26.90.02

835 mm	€	123,-	9.0 kg
415 mm	€	71,-	4.5 kg
900 mm	€	225,-	10.0 kg

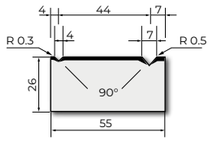


90° ✓

C45: 560-710 N/mm² — 1000 kN/m max.

M26.90.03

835 mm	€	123,-	9.0 kg
415 mm	€	71,-	4.5 kg

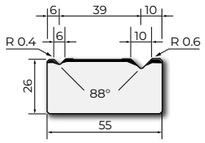


90°

C45: 560-710 N/mm² — 1000 kN/m max.

M26.88.01

835 mm	€	123,-	9.0 kg
415 mm	€	71,-	4.5 kg

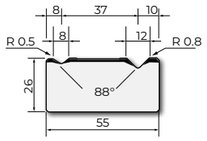


88° ✓

C45: 560-710 N/mm² — 1000 kN/m max.

M26.88.02

835 mm	€	123,-	9.0 kg
415 mm	€	71,-	4.5 kg

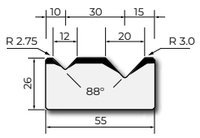


88° ✓

C45: 560-710 N/mm² — 1000 kN/m max.

M26.88.03

835 mm	€	123,-	9.0 kg
415 mm	€	71,-	4.5 kg

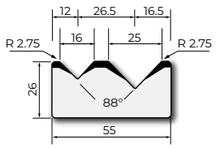


88° ✓

C45: 560-710 N/mm² — 1000 kN/m max.

M26.88.04

835 mm	€	123,-	8.0 kg
415 mm	€	71,-	4.0 kg

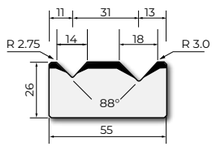


88° ✓

C45: 560-710 N/mm² — 1000 kN/m max.

M26.88.05

835 mm	€	123,-	8.0 kg
415 mm	€	71,-	4.0 kg



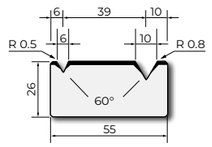
88° ✓

2-V Matrizen - R1 Serie **CLASSIC**

C45: 560-710 N/mm² — 600 kN/m max.

M26.60.01

835 mm	€	169,-	9.0 kg
415 mm	€	99,-	4.5 kg
900 mm	€	261,-	10.0 kg

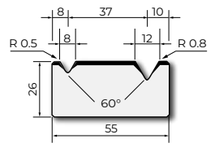


60° ✓

C45: 560-710 N/mm² — 800 kN/m max.

M26.60.02

835 mm	€	169,-	9.0 kg
415 mm	€	99,-	4.5 kg

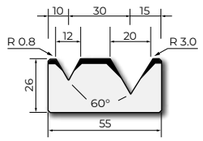


60° ✓

C45: 560-710 N/mm² — 800 kN/m max.

M26.60.03

835 mm	€	169,-	8.0 kg
415 mm	€	99,-	4.0 kg

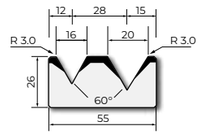


60° ✓

C45: 560-710 N/mm² — 800 kN/m max.

M26.60.05

835 mm	€	169,-	8.0 kg
415 mm	€	99,-	4.0 kg

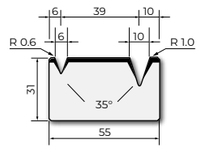


60° ✓

C45: 560-710 N/mm² — 300 kN/m max.

M31.35.01

835 mm	€	237,-	11.0 kg
415 mm	€	137,-	5.5 kg

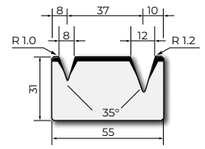


35° ✓

C45: 560-710 N/mm² — 300 kN/m max.

M31.35.02

835 mm	€	237,-	10.0 kg
415 mm	€	137,-	5.0 kg



35° ✓

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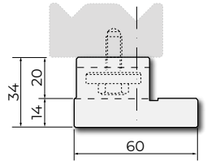
C45: 560-710 N/mm²

SU034

835 mm	€	131,-	9.0 kg
415 mm	€	80,-	4.5 kg

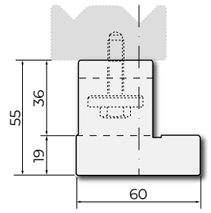


Halter ✓

C45: 560-710 N/mm²

SU055

835 mm	€	143,-	14.5 kg
415 mm	€	86,-	7.2 kg

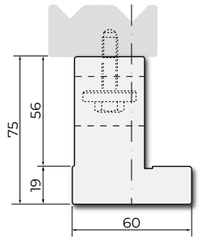


Halter ✓

C45: 560-710 N/mm²

SU075

830 mm	€	207,-	20.5 kg
410 mm	€	121,-	10.0 kg

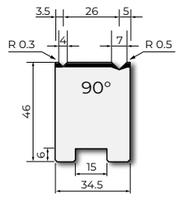


Halter ✓

C45: 560-710 N/mm² — 800 kN/m max.

46-10

835 mm	€	210,-	9.7 kg	
415 mm	€	117,-	4.8 kg	
795 mm	€	354,-	9.7 kg	FX
805 mm	€	354,-	9.7 kg	F

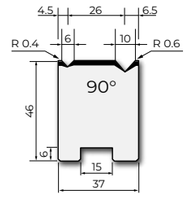


90° ✓

C45: 560-710 N/mm² — 800 kN/m max.

46-11

835 mm	€	210,-	10.3 kg	
415 mm	€	117,-	5.1 kg	
795 mm	€	354,-	9.9 kg	FX
805 mm	€	354,-	9.9 kg	F

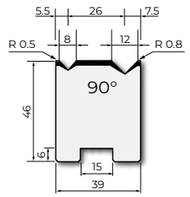


90° ✓

C45: 560-710 N/mm² — 800 kN/m max.

46-12

835 mm	€	210,-	10.0 kg	
415 mm	€	117,-	5.0 kg	
795 mm	€	354,-	9.5 kg	FX
805 mm	€	354,-	10.0 kg	F

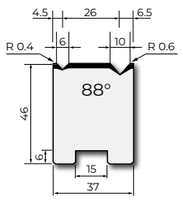


90° ✓

C45: 560-710 N/mm² — 800 kN/m max.

46.11.88

835 mm	€	210,-	10.3 kg	
415 mm	€	117,-	5.2 kg	
795 mm	€	354,-	9.8 kg	FX
805 mm	€	354,-	10.3 kg	F

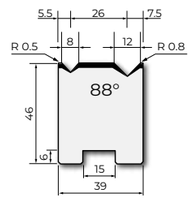


88° ✓

C45: 560-710 N/mm² — 800 kN/m max.

46.13

835 mm	€	210,-	10.9 kg	
415 mm	€	117,-	5.4 kg	
795 mm	€	354,-	9.6 kg	FX
805 mm	€	354,-	9.6 kg	F

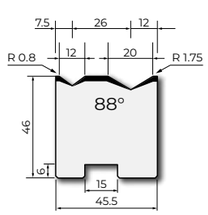


88° ✓

C45: 560-710 N/mm² — 800 kN/m max.

46.14

835 mm	€	210,-	12.0 kg	
415 mm	€	117,-	6.0 kg	
795 mm	€	354,-	11.4 kg	FX
805 mm	€	354,-	11.5 kg	F

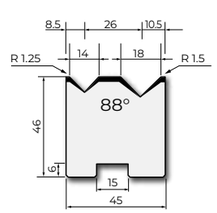


88° ✓

C45: 560-710 N/mm² — 800 kN/m max.

46.15

835 mm	€	210,-	12.6 kg	
415 mm	€	117,-	6.0 kg	
795 mm	€	354,-	12.0 kg	FX
805 mm	€	354,-	12.1 kg	F



88° ✓

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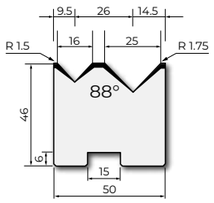
C45: 560-710 N/mm² — 800 kN/m max.

46.16

835 mm	€ 210,-	13.0 kg	
415 mm	€ 117,-	6.5 kg	
795 mm	€ 354,-	12.4 kg	FX
805 mm	€ 354,-	12.5 kg	F



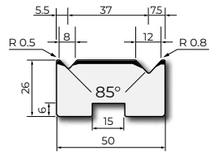
88°

C45: 560-710 N/mm² — 1000 kN/m max.

M26.85.02

835 mm	€ 419,-	9.0 kg	
415 mm	€ 232,-	4.5 kg	
795 mm	€ 708,-	8.6 kg	FX
805 mm	€ 708,-	8.7 kg	F

PM50 + Matrizenhalter erforderlich

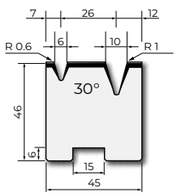


85°

C45: 560-710 N/mm² — 400 kN/m max.

46.17

835 mm	€ 269,-	12.2 kg	
415 mm	€ 150,-	6.0 kg	
795 mm	€ 418,-	12.2 kg	FX
805 mm	€ 418,-	12.2 kg	F

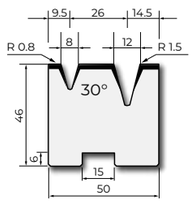


30°

C45: 560-710 N/mm² — 400 kN/m max.

46.18

835 mm	€ 269,-	13.2 kg	
415 mm	€ 150,-	6.6 kg	
795 mm	€ 418,-	13.0 kg	FX
805 mm	€ 418,-	13.0 kg	F

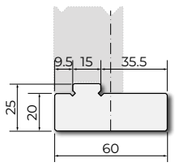


30°

C45: 560-710 N/mm² — 1000 kN/m max.

PM60

835 mm	€ 187,-	7.5 kg
415 mm	€ 107,-	3.7 kg

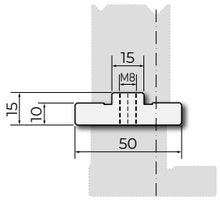


Halter

C45: 560-710 N/mm² — 1000 kN/m max.

PM50

835 mm	€ 135,-	4.0 kg
415 mm	€ 75,-	3.7 kg

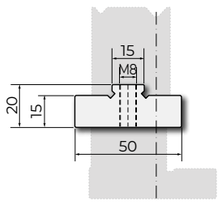


Halter

C45: 560-710 N/mm² — 1000 kN/m max.

PM50.20

835 mm	€ 135,-	5.4 kg
415 mm	€ 75,-	2.6 kg

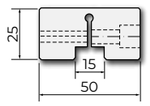


Halter

Fe37

PB60

€ 45,-	0.2 kg



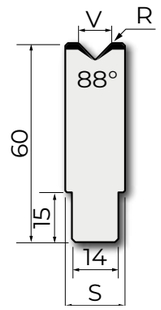
Klemmstücke

Sektioniert — auf Anfrage — Artikel auf Lager — Lieferzeit bitte erfragen

C45: 560-710 N/mm² — 1000 kN/m max.

H=60 mm

	V [mm]	R [mm]	S [mm]	835 mm			415 mm			FX 795 mm			F 805 mm		
AMR60.04.88	4	0.6	14		€ 212,-	5.4 kg		€ 113,-	2.7 kg		€ 348,-	5.1 kg		€ 348,-	5.2 kg
AMR60.06.88	6	0.8	14		€ 212,-	5.4 kg		€ 113,-	2.7 kg		€ 348,-	5.2 kg		€ 348,-	5.2 kg
AMR60.08.88	8	1.0	14		€ 198,-	5.4 kg		€ 107,-	2.7 kg		€ 344,-	5.2 kg		€ 344,-	5.2 kg
AMR60.10.88	10	1.2	18		€ 198,-	5.6 kg		€ 107,-	2.8 kg		€ 344,-	5.4 kg		€ 344,-	5.4 kg
AMR60.12.88	12	1.5	18		€ 198,-	6.1 kg		€ 107,-	3.0 kg		€ 344,-	5.8 kg		€ 344,-	5.9 kg
AMR60.16.88	16	2.0	24		€ 223,-	7.1 kg		€ 113,-	3.5 kg		€ 382,-	6.8 kg		€ 382,-	6.9 kg
AMR60.20.88	20	2.0	30		€ 229,-	8.0 kg		€ 117,-	4.0 kg		€ 392,-	7.8 kg		€ 392,-	7.8 kg
AMR60.25.88	25	3.0	35		€ 229,-	9.1 kg		€ 117,-	4.6 kg		€ 392,-	8.9 kg		€ 392,-	8.9 kg

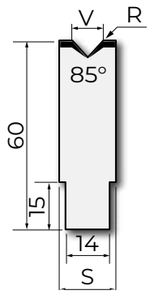


88°

C45: 560-710 N/mm² — 1000 kN/m max.

H=60 mm

	V [mm]	R [mm]	S [mm]	835 mm			415 mm			FX 795 mm			F 805 mm		
AMR60.04.85	4	0.6	14		€ 212,-	5.4 kg		€ 113,-	2.7 kg		€ 348,-	5.2 kg		€ 348,-	5.2 kg
AMR60.06.85	6	0.8	14		€ 212,-	5.4 kg		€ 113,-	2.7 kg		€ 348,-	5.1 kg		€ 348,-	5.2 kg
AMR60.08.85	8	1.0	14		€ 198,-	5.4 kg		€ 107,-	2.7 kg		€ 344,-	5.1 kg		€ 344,-	5.2 kg
AMR60.10.85	10	1.2	18		€ 198,-	5.6 kg		€ 107,-	2.8 kg		€ 344,-	5.3 kg		€ 344,-	5.4 kg
AMR60.12.85	12	1.5	18		€ 198,-	6.1 kg		€ 107,-	3.0 kg		€ 344,-	5.8 kg		€ 344,-	5.9 kg
AMR60.16.85	16	2.0	24		€ 223,-	7.1 kg		€ 113,-	3.5 kg		€ 382,-	6.8 kg		€ 382,-	6.9 kg
AMR60.20.85	20	2.0	30		€ 229,-	8.0 kg		€ 117,-	4.0 kg		€ 392,-	7.6 kg		€ 392,-	7.7 kg
AMR60.25.85	25	3.0	35		€ 229,-	9.2 kg		€ 117,-	4.6 kg		€ 392,-	8.8 kg		€ 392,-	8.9 kg



85°

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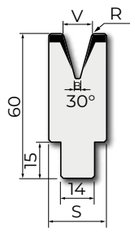
Zentrische 1-V Matrizen und Matrizenhalter - R1 Serie **CLASSIC**

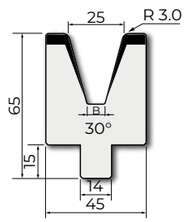
C45: 560-710 N/mm²

1000 kN/m max.

H=60-65 mm

	V [mm]	R [mm]	B [mm]	S [mm]	835 mm			415 mm			FX 795 mm			F 805 mm		
AMR60.06.30	6	0.6	-	14	€ 239,-	5.9 kg		€ 134,-	2.9 kg		€ 392,-	5.6 kg		€ 392,-	5.7 kg	
AMR60.08.30	8	0.8	2	18	€ 239,-	6.6 kg		€ 134,-	3.3 kg		€ 392,-	6.3 kg		€ 392,-	6.4 kg	
AMR60.10.30	10	1.0	2	24	€ 239,-	7.8 kg		€ 134,-	3.9 kg		€ 392,-	7.4 kg		€ 392,-	7.5 kg	
AMR60.12.30	12	1.5	2	24	€ 239,-	7.9 kg		€ 134,-	3.9 kg		€ 392,-	7.5 kg		€ 392,-	7.6 kg	
AMR60.16.30	16	2.0	5	30	€ 267,-	8.8 kg		€ 137,-	4.7 kg		€ 433,-	8.4 kg		€ 433,-	9.2 kg	
AMR60.20.30	20	2.5	5	35	€ 267,-	15.9 kg		€ 137,-	7.9 kg		€ 433,-	15.3 kg		€ 433,-	15.3 kg	
AMR65.25.30	25	3.0	8	45	€ 267,-	13.0 kg		€ 137,-	6.3 kg		€ 433,-	12.4 kg		€ 433,-	12.2 kg	





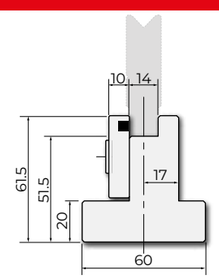
30°

C45: 560-710 N/mm²

1000 kN/m max.

SU61F

835 mm	€ 419,-	16.0 kg
415 mm	€ 248,-	7.3 kg



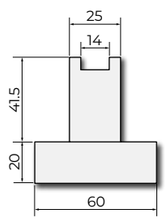
Halter

C45: 560-710 N/mm²

950 kN/m max.

08000

1050 mm	€ 497,-	14.0 kg



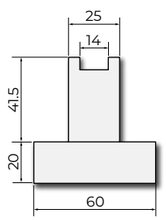
Halter

C45: 560-710 N/mm²

950 kN/m max.

08100

1260 mm	€ 587,-	14.0 kg



Halter

T-Matrizen - R1 Serie **CLASSIC**

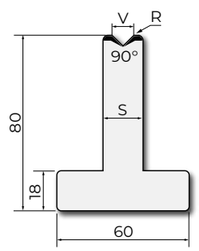
R1

C45: 560-710 N/mm²

1000 kN/m max.

H=80 mm

	V [mm]	R [mm]	S [mm]	835 mm			415 mm			FX 795 mm			F 805 mm			900 mm	
T80.06.90	6	0.4	14	€ 237,-	13.0 kg		€ 137,-	6.5 kg		€ 369,-	13.0 kg		€ 369,-	13.0 kg		€ 363,-	14.0 kg
T80.08.90	8	0.5	14	€ 237,-	13.0 kg		€ 137,-	6.5 kg		€ 369,-	13.0 kg		€ 369,-	13.0 kg		€ 363,-	14.0 kg
T80.10.90	10	0.6	18	€ 237,-	14.2 kg		€ 137,-	7.0 kg		€ 369,-	13.5 kg		€ 369,-	13.7 kg			
T80.12.90	12	0.8	18	€ 237,-	15.0 kg		€ 137,-	7.5kg		€ 369,-	15.0 kg		€ 369,-	15.0 kg			



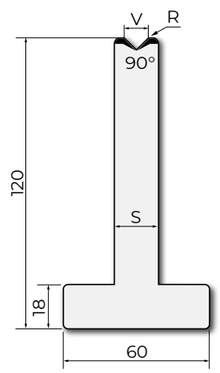
90°

C45: 560-710 N/mm²

1000 kN/m max.

H=120 mm

	V [mm]	R [mm]	S [mm]	835 mm			415 mm			FX 795 mm			F 805 mm		
T120.06.90	6	0.4	14	€ 383,-	16.0 kg		€ 221,-	8.0 kg		€ 551,-	15.2 kg		€ 551,-	15.4 kg	
T120.08.90	8	0.5	14	€ 383,-	16.0 kg		€ 221,-	8.0 kg		€ 551,-	16.0 kg		€ 551,-	16.0 kg	
T120.10.90	10	0.6	18	€ 383,-	19.0 kg		€ 221,-	9.0 kg		€ 551,-	18.1 kg		€ 551,-	18.3 kg	
T120.12.90	12	0.8	18	€ 383,-	18.0 kg		€ 221,-	9.0 kg		€ 551,-	18.1 kg		€ 551,-	18.3 kg	



90°

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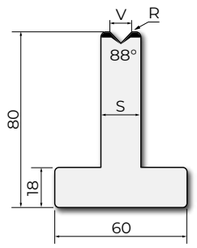
C45: 560-710 N/mm²

1000 kN/m max.

H=80 mm

	V [mm]	R [mm]	S [mm]	835 mm			415 mm			FX 795 mm			F 805 mm		
T80.06.88	6	0.4	14		€ 237,-	13.0 kg		€ 137,-	6.5 kg		€ 369,-	12.4 kg		€ 369,-	12.5 kg
TR80.06.88	6	2.75	14		€ 349,-	13.0 kg		€ 234,-	6.5 kg		€ 496,-	12.4 kg		€ 496,-	12.5 kg
T80.08.88	8	0.5	14		€ 237,-	12.6 kg		€ 137,-	6.3 kg		€ 369,-	12.0 kg		€ 369,-	12.1 kg
TR80.08.88	8	2.75	14		€ 349,-	13.0 kg		€ 234,-	6.5kg		€ 496,-	13.0 kg		€ 496,-	13.0 kg
T80.10.88	10	0.8	18		€ 237,-	14.2 kg		€ 137,-	7.0 kg		€ 369,-	13.7 kg		€ 369,-	13.7 kg
TR80.10.88	10	2.75	18		€ 349,-	15.0 kg		€ 234,-	7.5 kg		€ 496,-	15.0 kg		€ 496,-	15.0 kg
T80.12.88	12	2.75	18		€ 237,-	14.0 kg		€ 137,-	7.0 kg		€ 369,-	13.3 kg		€ 369,-	13.5 kg
T80.16.88	16	2.75	24		€ 237,-	16.6 kg		€ 137,-	8.3 kg		€ 369,-	16.0 kg		€ 369,-	16.0 kg
T80.20.88	20	3.0	30		€ 237,-	18.5 kg		€ 137,-	9.2 kg		€ 369,-	17.8 kg		€ 369,-	17.8 kg
T80.25.88	25	3.0	35		€ 237,-	20.2 kg		€ 137,-	10.0 kg		€ 369,-	19.5 kg		€ 369,-	19.5 kg



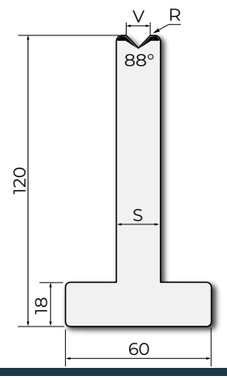
88°

C45: 560-710 N/mm²

1000 kN/m max.

H=120 mm

	V [mm]	R [mm]	S [mm]	835 mm			415 mm			FX 795 mm			F 805 mm		
T120.06.88	6	0.4	14		€ 393,-	16.5 kg		€ 219,-	8.0 kg		€ 551,-	16.0 kg		€ 551,-	16.0 kg
TR120.06.88	6	2.75	14		€ 495,-	16.0 kg		€ 319,-	8.0 kg		€ 678,-	15.2 kg		€ 678,-	16.0 kg
T120.08.88	8	0.5	14		€ 383,-	16.0 kg		€ 221,-	8.0 kg		€ 551,-	16.0 kg		€ 551,-	16.0 kg
TR120.08.88	8	2.75	14		€ 495,-	16.0 kg		€ 319,-	8.0 kg		€ 678,-	15.2 kg		€ 678,-	16.0 kg
T120.10.88	10	0.8	18		€ 383,-	19.0 kg		€ 221,-	9.5 kg		€ 551,-	19.0 kg		€ 551,-	19.0 kg
TR120.10.88	10	2.75	18		€ 495,-	18.0 kg		€ 319,-	9.0 kg		€ 678,-	18.0 kg		€ 678,-	18.0 kg
T120.12.88	12	2.75	18		€ 383,-	19.0 kg		€ 221,-	9.0 kg		€ 551,-	18.0 kg		€ 551,-	18.0 kg
T120.16.88	16	2.75	24		€ 383,-	22.0 kg		€ 221,-	11.0 kg		€ 551,-	22.0 kg		€ 551,-	22.0 kg
T120.20.88	20	3.0	30		€ 383,-	27.0 kg		€ 221,-	13.5 kg		€ 551,-	25.7 kg		€ 551,-	26.0 kg
T120.25.88	25	3.0	35		€ 383,-	30.0 kg		€ 221,-	15.0 kg		€ 551,-	30.0 kg		€ 551,-	30.0 kg



88°

T-Matrizen - R1 Serie **CLASSIC**

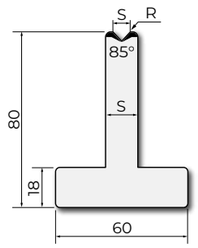
R1

C45: 560-710 N/mm²

1000 kN/m max.

H=80 mm

	V [mm]	R [mm]	S [mm]	835 mm			415 mm			FX 795 mm			F 805 mm		
T80.06.85	6	2.75	14		€ 237,-	13.0 kg		€ 137,-	6.5 kg		€ 369,-	13.0 kg		€ 369,-	13.0 kg
T80.08.85	8	2.75	14		€ 237,-	12.6 kg		€ 137,-	6.2 kg		€ 369,-	12.0 kg		€ 369,-	12.0 kg
T80.10.85	10	2.75	18		€ 237,-	14.2 kg		€ 137,-	7.0 kg		€ 369,-	13.7 kg		€ 369,-	14.0 kg
T80.12.85	12	2.75	18		€ 237,-	14.1 kg		€ 137,-	7.0 kg		€ 369,-	14.0 kg		€ 369,-	14.0 kg
T80.16.85	16	2.75	24		€ 237,-	16.4 kg		€ 137,-	8.2 kg		€ 369,-	15.8 kg		€ 369,-	15.8 kg
T80.20.85	20	3.0	30		€ 237,-	19.0 kg		€ 137,-	9.5 kg		€ 369,-	18.0 kg		€ 369,-	18.0 kg
T80.25.85	25	3.0	35		€ 237,-	20.0 kg		€ 137,-	10.0 kg		€ 369,-	19.0 kg		€ 369,-	20.0 kg



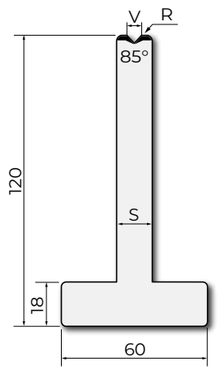
85°

C45: 560-710 N/mm²

1000 kN/m max.

H=120 mm

	V [mm]	R [mm]	S [mm]	835 mm			415 mm			FX 795 mm			F 805 mm		
T120.06.85	6	2.75	14		€ 383,-	16.3 kg		€ 219,-	8.1 kg		€ 551,-	15.7 kg		€ 551,-	15.7 kg
T120.08.85	8	2.75	14		€ 383,-	16.3 kg		€ 221,-	8.1 kg		€ 551,-	15.7 kg		€ 551,-	15.7 kg
T120.10.85	10	2.75	18		€ 383,-	19.0 kg		€ 221,-	9.5 kg		€ 551,-	19.0 kg		€ 551,-	19.0 kg
T120.12.85	12	2.75	18		€ 383,-	18.9 kg		€ 221,-	9.4 kg		€ 551,-	18.2 kg		€ 551,-	18.2 kg
T120.16.85	16	2.75	24		€ 383,-	22.7 kg		€ 221,-	11.3 kg		€ 551,-	21.9 kg		€ 551,-	21.9 kg
T120.20.85	20	3.0	30		€ 383,-	26.4 kg		€ 221,-	13.0 kg		€ 551,-	25.5 kg		€ 551,-	25.5 kg
T120.25.85	25	3.0	35		€ 383,-	30.0 kg		€ 221,-	15.0 kg		€ 551,-	30.0 kg		€ 551,-	30.0 kg



85°

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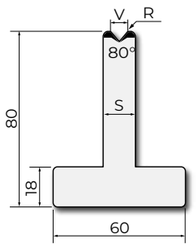
C45: 560-710 N/mm²

950 kN/m max.

H=80 mm

	V [mm]	R [mm]	S [mm]	835 mm			415 mm			FX 795 mm			F 805 mm		
T80.06.80	6	2.75	14		€ 326,-	13.0 kg		€ 186,-	6.5 kg		€ 459,-	13.0 kg		€ 459,-	13.0 kg
T80.08.80	8	2.75	14		€ 326,-	13.0 kg		€ 186,-	6.5 kg		€ 459,-	13.0 kg		€ 459,-	13.0 kg
T80.10.80	10	2.75	18		€ 326,-	13.0 kg		€ 186,-	6.5 kg		€ 459,-	13.0 kg		€ 459,-	13.0 kg
T80.12.80	12	2.75	18		€ 326,-	13.0 kg		€ 186,-	6.5 kg		€ 459,-	13.0 kg		€ 459,-	13.0 kg
T80.16.80	16	2.75	24		€ 326,-	13.0 kg		€ 186,-	6.5 kg		€ 459,-	13.0 kg		€ 459,-	13.0 kg
T80.20.80	20	3.0	30		€ 326,-	17.0 kg		€ 186,-	6.5 kg		€ 459,-	12.4 kg		€ 459,-	12.5 kg
T80.25.80	25	3.0	35		€ 326,-	20.0 kg		€ 204,-	10.0 kg		€ 459,-	20.0 kg		€ 459,-	20.0 kg



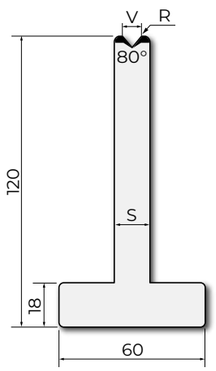
80°

C45: 560-710 N/mm²

950 kN/m max.

H=120 mm

	V [mm]	R [mm]	S [mm]	835 mm			415 mm			FX 795 mm			F 805 mm		
T120.06.80	6	2.75	14		€ 480,-	18.0 kg		€ 274,-	9.0 kg		€ 652,-	17.1 kg		€ 652,-	17.4 kg
T120.08.80	8	2.75	14		€ 480,-	18.0 kg		€ 274,-	18.0 kg		€ 652,-	18.0 kg		€ 652,-	18.0 kg
T120.10.80	10	2.75	18		€ 480,-	18.0 kg		€ 274,-	9.0 kg		€ 652,-	17.1 kg		€ 652,-	17.4 kg
T120.12.80	12	2.75	18		€ 480,-	18.0 kg		€ 274,-	9.0 kg		€ 652,-	17.1 kg		€ 652,-	17.4 kg
T120.16.80	16	2.75	24		€ 480,-	18.0 kg		€ 274,-	18.0 kg		€ 652,-	18.0 kg		€ 652,-	18.0 kg
T120.20.80	20	3.0	30		€ 480,-	26.3 kg		€ 274,-	13.0 kg		€ 652,-	25.0 kg		€ 652,-	25.4 kg
T120.25.80	25	3.0	35		€ 480,-	30.0 kg		€ 274,-	18.0 kg		€ 652,-	18.0 kg		€ 652,-	18.0 kg



80°

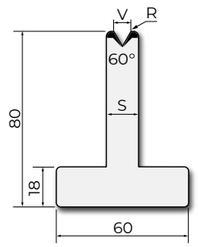
T-Matrizen - R1 Serie **CLASSIC**

C45: 560-710 N/mm²

600 kN/m max.

H=80 mm

	V [mm]	R [mm]	S [mm]	835 mm			415 mm			FX 795 mm			F 805 mm		
T80.06.60	6	0.5	14		€ 257,-	13.0 kg		€ 148,-	6.5 kg		€ 389,-	12.4 kg		€ 389,-	12.5 kg
TR80.06.60	6	1.5	14		€ 372,-	13.0 kg		€ 247,-	6.5 kg		€ 520,-	12.4 kg		€ 520,-	12.5 kg
T80.08.60	8	0.8	14		€ 257,-	13.0 kg		€ 148,-	6.5 kg		€ 389,-	13.0 kg		€ 389,-	13.0 kg
TR80.08.60	8	1.5	14		€ 372,-	13.0 kg		€ 247,-	6.5 kg		€ 520,-	13.0 kg		€ 520,-	13.0 kg
T80.10.60	10	0.8	18		€ 257,-	14.5 kg		€ 148,-	7.0 kg		€ 389,-	13.5 kg		€ 389,-	13.5 kg
TR80.10.60	10	2.75	18		€ 372,-	15.0 kg		€ 247,-	7.5 kg		€ 520,-	15.0 kg		€ 520,-	15.0 kg
T80.12.60	12	0.8	18		€ 257,-	14.0 kg		€ 148,-	7.0 kg		€ 389,-	13.5 kg		€ 389,-	13.5 kg
TR80.12.60	12	2.75	18		€ 372,-	15.0 kg		€ 247,-	7.5 kg		€ 520,-	15.0 kg		€ 520,-	15.0 kg
T80.16.60	16	2.75	24		€ 271,-	15.6 kg		€ 155,-	8.7 kg		€ 408,-	16.0 kg		€ 408,-	16.0 kg
T80.20.60	20	3.0	30		€ 271,-	18.0kg		€ 155,-	9.5 kg		€ 393,-	19.0 kg		€ 393,-	19.0 kg
T80.25.60	25	3.0	35		€ 271,-	19.5 kg		€ 155,-	10.0 kg		€ 393,-	18.8 kg		€ 393,-	18.8 kg



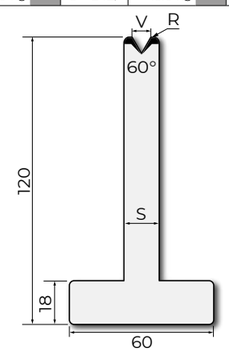
60°

C45: 560-710 N/mm²

600 kN/m max.

H=120 mm

	V [mm]	R [mm]	S [mm]	835 mm			415 mm			FX 795 mm			F 805 mm		
T120.06.60	6	0.5	14		€ 396,-	16.0 kg		€ 239,-	8.0 kg		€ 555,-	16.0 kg		€ 555,-	15.4 kg
TR120.06.60	6	1.5	14		€ 510,-	16.0 kg		€ 341,-	8.0 kg		€ 684,-	15.2 kg		€ 684,-	15.4 kg
T120.08.60	8	0.8	14		€ 396,-	16.0 kg		€ 239,-	8.0 kg		€ 555,-	16.0 kg		€ 555,-	16.0 kg
TR120.08.60	8	1.5	14		€ 510,-	16.0 kg		€ 341,-	8.0 kg		€ 684,-	16.0 kg		€ 684,-	16.0 kg
T120.10.60	10	0.8	18		€ 396,-	18.8 kg		€ 239,-	9.3 kg		€ 555,-	18.1 kg		€ 555,-	18.1 kg
TR120.10.60	10	2.75	18		€ 510,-	18.0 kg		€ 341,-	9.0 kg		€ 684,-	17.1 kg		€ 684,-	17.4 kg
T120.12.60	12	0.8	18		€ 396,-	18.0 kg		€ 239,-	9.0 kg		€ 555,-	18.3 kg		€ 555,-	18.3 kg
TR120.12.60	12	2.75	18		€ 510,-	18.0 kg		€ 341,-	9.0 kg		€ 684,-	17.1 kg		€ 684,-	17.4 kg
T120.16.60	16	2.75	24		€ 416,-	22.4 kg		€ 242,-	11.1 kg		€ 562,-	21.6 kg		€ 562,-	21.6 kg
T120.20.60	20	3.0	30		€ 416,-	26.0 kg		€ 242,-	13.0 kg		€ 562,-	24.8 kg		€ 562,-	25.0 kg
T120.25.60	25	3.0	35		€ 416,-	29.0 kg		€ 242,-	15.0 kg		€ 562,-	30.0 kg		€ 562,-	30.0 kg



60°

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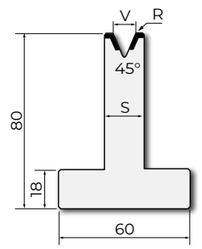
C45: 560-710 N/mm²

500 kN/m max.

H=80 mm

	V [mm]	R [mm]	S [mm]	835 mm			415 mm			FX 795 mm			F 805 mm		
T80.06.45	6	0.8	14		€ 279,-	13.0 kg		€ 160,-	6.5 kg		€ 420,-	12.4 kg		€ 420,-	12.5 kg
T80.08.45	8	1.0	18		€ 279,-	15.0 kg		€ 160,-	7.5 kg		€ 420,-	15.0 kg		€ 420,-	15.0 kg
T80.10.45	10	1.2	18		€ 279,-	14.0 kg		€ 160,-	7.0 kg		€ 420,-	13.3 kg		€ 420,-	13.5 kg
T80.12.45	12	1.6	24		€ 279,-	16.3 kg		€ 160,-	8.1 kg		€ 420,-	15.7 kg		€ 420,-	15.7 kg
T80.16.45	16	2.75	26		€ 292,-	16.6 kg		€ 167,-	8.3 kg		€ 440,-	16.0 kg		€ 440,-	16.0 kg
T80.20.45	20	3.0	30		€ 292,-	18.0 kg		€ 167,-	9.0 kg		€ 423,-	18.0 kg		€ 423,-	18.0 kg
T80.25.45	25	3.0	37		€ 292,-	20.0 kg		€ 167,-	10.0 kg		€ 423,-	20.0 kg		€ 423,-	20.0 kg



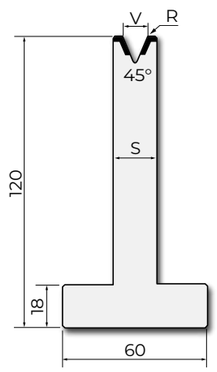
45°

C45: 560-710 N/mm²

500 kN/m max.

H=120 mm

	V [mm]	R [mm]	S [mm]	835 mm			415 mm			FX 795 mm			F 805 mm		
T120.06.45	6	0.8	14		€ 427,-	16.0 kg		€ 248,-	8.0 kg		€ 600,-	16.0 kg		€ 600,-	16.0 kg
T120.08.45	8	1.0	18		€ 427,-	18.0 kg		€ 248,-	9.0 kg		€ 600,-	18.0 kg		€ 600,-	18.0 kg
T120.10.45	10	1.2	18		€ 427,-	18.0 kg		€ 248,-	9.0 kg		€ 600,-	18.0 kg		€ 600,-	18.0 kg
T120.12.45	12	1.6	24		€ 427,-	23.0 kg		€ 248,-	9.0 kg		€ 600,-	18.0 kg		€ 600,-	18.0 kg
T120.16.45	16	2.75	26		€ 448,-	25.0 kg		€ 246,-	12.5 kg		€ 595,-	25.0 kg		€ 595,-	25.0 kg
T120.20.45	20	3.0	30		€ 448,-	26.0 kg		€ 246,-	13.5 kg		€ 595,-	24.8 kg		€ 595,-	25.0 kg
T120.25.45	25	3.0	37		€ 448,-	30.0 kg		€ 246,-	15.0 kg		€ 595,-	28.6 kg		€ 595,-	28.9 kg



45°

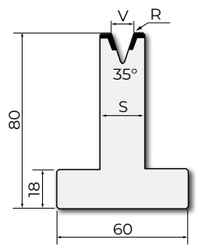
R1

C45: 560-710 N/mm²

Siehe Tabelle

H=80 mm

	V [mm]	R [mm]	S [mm]	kN/m max.	835 mm			415 mm			FX 795 mm			F 805 mm		
T80.06.35	6	0.8	14	350		€ 284,-	12.5 kg		€ 162,-	6.5 kg		€ 427,-	12.0 kg		€ 427,-	12.0 kg
T80.08.35	8	1.0	16	350		€ 284,-	13.0 kg		€ 162,-	7.0 kg		€ 427,-	14.0 kg		€ 427,-	14.0 kg
T80.10.35	10	1.2	20	400		€ 284,-	15.0 kg		€ 162,-	7.5 kg		€ 427,-	15.0 kg		€ 427,-	15.0 kg
T80.12.35	12	1.6	22	400		€ 284,-	15.5 kg		€ 162,-	8.0 kg		€ 427,-	16.0 kg		€ 427,-	16.0 kg
T80.16.35	16	3.0	30	450		€ 298,-	18.0 kg		€ 169,-	8.5 kg		€ 449,-	17.0 kg		€ 449,-	17.0 kg
T80.20.35	20	3.0	35	500		€ 298,-	19.3 kg		€ 169,-	9.0 kg		€ 432,-	18.0 kg		€ 432,-	18.0 kg
T80.25.35	25	3.0	40	500		€ 298,-	20.0 kg		€ 169,-	9.9 kg		€ 432,-	19.3 kg		€ 432,-	19.3 kg



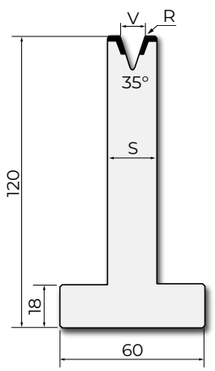
35°

C45: 560-710 N/mm²

Siehe Tabelle

H=120 mm

	V [mm]	R [mm]	S [mm]	kN/m max.	835 mm			415 mm			FX 795 mm			F 805 mm		
T120.06.35	6	0.8	14	350		€ 436,-	16.0 kg		€ 254,-	8.0 kg		€ 611,-	16.0 kg		€ 611,-	16.0 kg
T120.08.35	8	1.0	16	350		€ 436,-	18.0 kg		€ 254,-	9.0 kg		€ 611,-	18.0 kg		€ 611,-	18.0 kg
T120.10.35	10	1.2	20	400		€ 436,-	19.9 kg		€ 254,-	8.5 kg		€ 611,-	19.0 kg		€ 611,-	19.0 kg
T120.12.35	12	1.6	22	400		€ 436,-	21.0 kg		€ 254,-	10.0 kg		€ 611,-	20.0 kg		€ 611,-	20.0 kg
T120.16.35	16	3.0	30	450		€ 457,-	25.8 kg		€ 266,-	12.8 kg		€ 605,-	24.8 kg		€ 605,-	24.8 kg
T120.20.35	20	3.0	35	500		€ 457,-	28.0 kg		€ 266,-	14.0 kg		€ 641,-	28.0 kg		€ 641,-	28.0 kg
T120.25.35	25	3.0	40	500		€ 457,-	30.5 kg		€ 266,-	15.2 kg		€ 641,-	29.0 kg		€ 641,-	29.4 kg



35°

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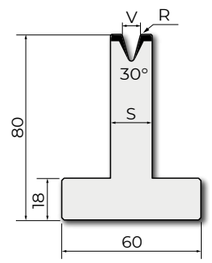
C45: 560-710 N/mm²

Siehe Tabelle

H=80 mm

	V [mm]	R [mm]	S [mm]	kN/m max.	835 mm			415 mm			FX 795 mm			F 805 mm		
T80.06.30	6	0.6	14	350	€ 284,-	12.4 kg		€ 162,-	6.5 kg		€ 427,-	12.0 kg		€ 427,-	12.0 kg	
T80.08.30	8	0.8	18	350	€ 284,-	13.0 kg		€ 162,-	7.0 kg		€ 427,-	14.0 kg		€ 427,-	14.0 kg	
T80.10.30	10	1.0	24	500	€ 284,-	16.0 kg		€ 162,-	8.0 kg		€ 427,-	15.4 kg		€ 427,-	15.0 kg	
T80.12.30	12	1.5	24	400	€ 284,-	16.0 kg		€ 162,-	8.0 kg		€ 427,-	15.5 kg		€ 389,-	15.5 kg	
T80.16.30	16	2.0	30	450	€ 298,-	18.0 kg		€ 169,-	8.9 kg		€ 449,-	17.3 kg		€ 449,-	17.3 kg	
T80.20.30	20	2.5	35	500	€ 298,-	19.0 kg		€ 169,-	9.5 kg		€ 432,-	18.0 kg		€ 432,-	18.0 kg	
T80.25.30	25	3.0	40	500	€ 298,-	20.0 kg		€ 169,-	10.0 kg		€ 432,-	19.3 kg		€ 432,-	19.3 kg	



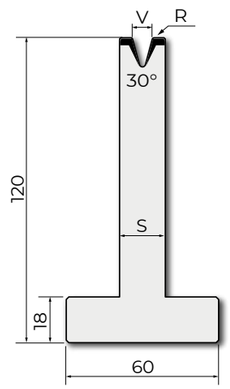
30°

C45: 560-710 N/mm²

Siehe Tabelle

H=120 mm

	V [mm]	R [mm]	S [mm]	kN/m max.	835 mm			415 mm			FX 795 mm			F 805 mm		
T120.06.30	6	0.6	14	350	€ 436,-	16.0 kg		€ 254,-	8.0 kg		€ 611,-	16.0 kg		€ 611,-	16.0 kg	
T120.08.30	8	0.8	18	350	€ 436,-	19.0 kg		€ 254,-	9.5 kg		€ 611,-	19.0 kg		€ 611,-	19.0 kg	
T120.10.30	10	1.0	18	500	€ 436,-	22.0 kg		€ 254,-	10.9 kg		€ 611,-	14.5 kg		€ 611,-	14.5 kg	
T120.12.30	12	1.5	24	400	€ 436,-	22.0 kg		€ 254,-	10.0 kg		€ 611,-	20.0 kg		€ 611,-	20.0 kg	
T120.16.30	16	2.0	26	450	€ 457,-	25.8 kg		€ 266,-	13.0 kg		€ 641,-	25.8 kg		€ 641,-	25.8 kg	
T120.20.30	20	2.5	30	500	€ 457,-	28.0 kg		€ 266,-	14.0 kg		€ 641,-	28.0 kg		€ 641,-	28.0 kg	
T120.25.30	25	3.0	37	500	€ 457,-	30.5 kg		€ 266,-	15.0 kg		€ 605,-	30.5 kg		€ 605,-	30.5 kg	



30°

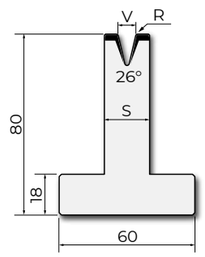
Sektioniert | auf Anfrage | Artikel auf Lager | Lieferzeit bitte erfragen

C45: 560-710 N/mm²

200 kN/m max.

H=80 mm

	V [mm]	R [mm]	S [mm]	835 mm			415 mm			FX 795 mm			F 805 mm		
T80.06.26	6	0.8	16	€ 291,-	14.0 kg		€ 165,-	7.0 kg		€ 435,-	13.3 kg		€ 435,-	13.5 kg	
T80.08.26	8	1.0	20	€ 291,-	15.0 kg		€ 165,-	7.5 kg		€ 435,-	14.3 kg		€ 435,-	14.5 kg	
T80.10.26	10	1.2	24	€ 291,-	15.5 kg		€ 165,-	8.0 kg		€ 435,-	15.5 kg		€ 435,-	15.5 kg	
T80.12.26	12	1.6	26	€ 291,-	16.6 kg		€ 165,-	7.5 kg		€ 435,-	15.0 kg		€ 435,-	16.0 kg	



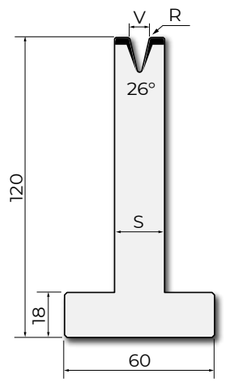
26°

C45: 560-710 N/mm²

200 kN/m max.

H=120 mm

	V [mm]	R [mm]	S [mm]	835 mm			415 mm			FX 795 mm			F 805 mm		
T120.06.26	6	0.8	16	€ 494,-	18.0 kg		€ 280,-	9.0 kg		€ 677,-	18.0 kg		€ 677,-	18.0 kg	
T120.08.26	8	1.0	20	€ 453,-	19.0 kg		€ 258,-	9.5 kg		€ 622,-	19.0 kg		€ 622,-	19.0 kg	
T120.10.26	10	1.2	24	€ 453,-	22.0 kg		€ 258,-	11.0 kg		€ 622,-	22.0 kg		€ 622,-	22.0 kg	
T120.12.26	12	1.6	26	€ 453,-	22.0 kg		€ 258,-	11.0 kg		€ 622,-	22.0 kg		€ 622,-	22.0 kg	



26°

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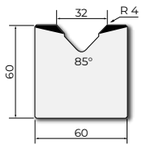
C45: 560-710 N/mm² — 1000 kN/m max.

M60.85.32

835 mm	€ 158,-	21.6 kg	
415 mm	€ 101,-	10.7 kg	
795 mm	€ 303,-	20.6 kg	FX
805 mm	€ 303,-	20.8 kg	F

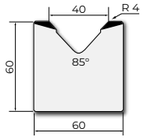


85°

C45: 560-710 N/mm² — 1000 kN/m max.

M60.85.40

835 mm	€ 158,-	20.0 kg	
415 mm	€ 101,-	10.5 kg	
795 mm	€ 303,-	19.0 kg	FX
805 mm	€ 303,-	19.0 kg	F

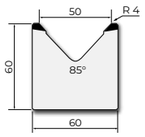


85°

C45: 560-710 N/mm² — 1000 kN/m max.

M60.85.50

835 mm	€ 158,-	19.0 kg	
415 mm	€ 101,-	9.5 kg	
795 mm	€ 303,-	19.0 kg	FX
805 mm	€ 303,-	19.0 kg	F

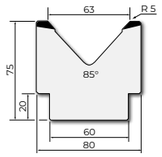


85°

C45: 560-710 N/mm² — 1000 kN/m max.

M75.85.63

835 mm	€ 308,-	29.2 kg	
415 mm	€ 174,-	14.5 kg	
795 mm	€ 497,-	28.0 kg	FX
805 mm	€ 497,-	28.0 kg	F

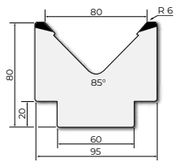


85°

C45: 560-710 N/mm² — 1000 kN/m max.

M80.85.80

835 mm	€ 390,-	33.5 kg	
415 mm	€ 227,-	16.6 kg	
795 mm	€ 581,-	32.2 kg	FX
805 mm	€ 581,-	32.2 kg	F

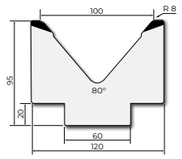


85°

C45: 560-710 N/mm² — 1000 kN/m max.

M95.80.100

835 mm	€ 490,-	46.2 kg	
415 mm	€ 271,-	22.9 kg	
795 mm	€ 802,-	44.5 kg	FX
805 mm	€ 802,-	44.5 kg	F

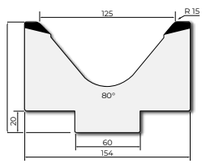


80°

C45: 560-710 N/mm² — 700 kN/m max.

MK103.80.125

835 mm	€ 695,-	62.0 kg	
415 mm	€ 410,-	31.0 kg	
795 mm	€ 1.078,-	59.8 kg	FX
805 mm	€ 1.078,-	59.8 kg	F

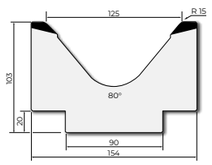


80°

C45: 560-710 N/mm² — 1000 kN/m max.

M103.80.125

835 mm	€ 636,-	64.9 kg	
415 mm	€ 352,-	32.2 kg	
795 mm	€ 946,-	62.5 kg	FX
805 mm	€ 946,-	62.5 kg	F



80°

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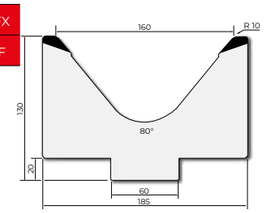
C45: 560-710 N/mm² — 700 kN/m max.

MK130.80.160

835 mm	€ 911,-	93.0 kg	
415 mm	€ 497,-	46.5 kg	
795 mm	€ 1.419,-	88.5 kg	FX
805 mm	€ 1.419,-	89.7 kg	F

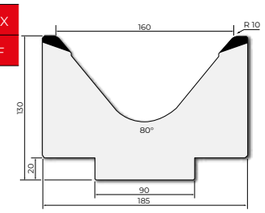


80°

C45: 560-710 N/mm² — 1000 kN/m max.

M130.80.160

835 mm	€ 848,-	97.0 kg	
415 mm	€ 467,-	47.4 kg	
795 mm	€ 1.240,-	88.5 kg	FX
805 mm	€ 1.240,-	89.7 kg	F

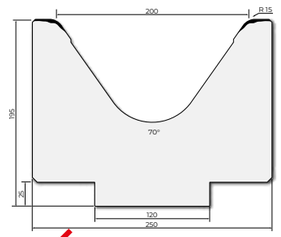


80°

42Cr: 900-1150 N/mm² — 1800 kN/m max.

M195.70.200

415 mm	€ 1.683,-	104.0 kg

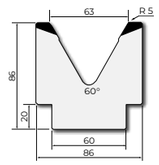


70°

C45: 560-710 N/mm² — 1000 kN/m max.

M86.60.63

835 mm	€ 574,-	33.3 kg	
415 mm	€ 330,-	17.0 kg	
795 mm	€ 847,-	34.0 kg	FX
805 mm	€ 847,-	34.0 kg	F

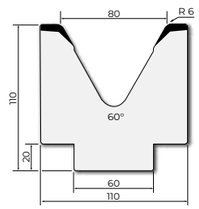


60°

C45: 560-710 N/mm² — 1000 kN/m max.

M110.60.80

835 mm	€ 824,-	53.0 kg	
415 mm	€ 480,-	26.5 kg	
795 mm	€ 1.208,-	50.5 kg	FX
805 mm	€ 1.208,-	51.1 kg	F

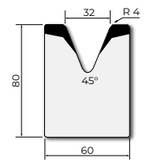


60°

C45: 560-710 N/mm² — 1000 kN/m max.

M80.45.32

835 mm	€ 263,-	27.5 kg	
415 mm	€ 152,-	13.7 kg	
795 mm	€ 440,-	27.5 kg	FX
805 mm	€ 440,-	27.5 kg	F

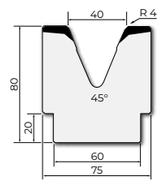


45°

C45: 560-710 N/mm² — 1000 kN/m max.

M80.45.40

835 mm	€ 383,-	30.9 kg	
415 mm	€ 221,-	16.5 kg	
795 mm	€ 611,-	30.7 kg	FX
805 mm	€ 611,-	30.7 kg	F

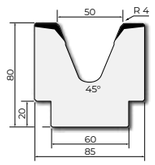


45°

C45: 560-710 N/mm² — 950 kN/m max.

M80.45.50

835 mm	€ 522,-	31.0 kg	
415 mm	€ 297,-	15.5 kg	
795 mm	€ 694,-	31.0 kg	FX
805 mm	€ 694,-	31.0 kg	F



45°

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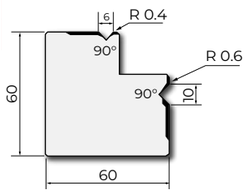
C45: 560-710 N/mm² — 1000 kN/m max.

M60.90.01

835 mm	€ 215,-	20.0 kg	
415 mm	€ 120,-	10.0 kg	
795 mm	€ 401,-	20.0 kg	FX
805 mm	€ 401,-	20.0 kg	F

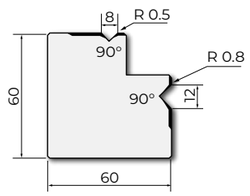


90°

C45: 560-710 N/mm² — 1000 kN/m max.

M60.90.02

835 mm	€ 215,-	20.0 kg	
415 mm	€ 120,-	10.0 kg	
795 mm	€ 401,-	20.0 kg	FX
805 mm	€ 401,-	20.0 kg	F

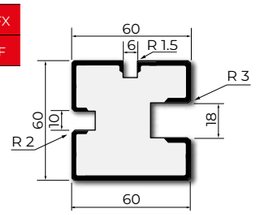


90°

C45: 560-710 N/mm² — 1000 kN/m max.

M.360.R

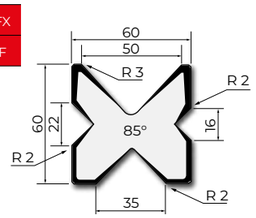
835 mm	€ 223,-	20.0 kg	
415 mm	€ 137,-	10.0 kg	
795 mm	€ 382,-	20.0 kg	FX
805 mm	€ 382,-	20.0 kg	F



C45: 560-710 N/mm² — 800 kN/m max.

M.460.R

835 mm	€ 248,-	15.7 kg	
415 mm	€ 147,-	7.7 kg	
795 mm	€ 428,-	15.1 kg	FX
805 mm	€ 428,-	15.1 kg	F

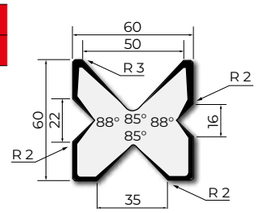


85°

C45: 560-710 N/mm² — 800 kN/m max.

M.460

835 mm	€ 248,-	15.7 kg	
415 mm	€ 147,-	7.7 kg	
795 mm	€ 428,-	15.5 kg	FX
805 mm	€ 428,-	15.5 kg	F

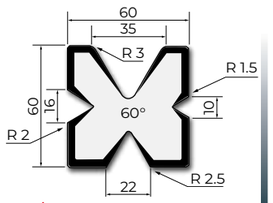


85° 88°

C45: 560-710 N/mm² — 600 kN/m max.

M.460.60

835 mm	€ 349,-	18.0 kg	
415 mm	€ 208,-	9.0 kg	
795 mm	€ 502,-	16.0 kg	FX
805 mm	€ 502,-	16.0 kg	F

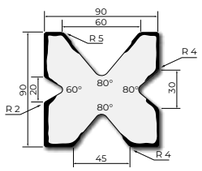


60°

C45: 560-710 N/mm² — 1000 kN/m max.

M.490

835 mm	€ 669,-	38.9 kg	
415 mm	€ 383,-	20.0 kg	
795 mm	€ 911,-	39.0 kg	FX
805 mm	€ 911,-	39.0 kg	F

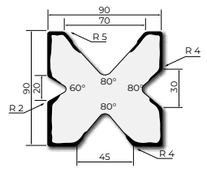


60° 80°

C45: 560-710 N/mm² — 600 kN/m max.

M.490.70

835 mm	€ 669,-	35.8 kg	
415 mm	€ 383,-	17.9 kg	
795 mm	€ 911,-	36.0 kg	FX
805 mm	€ 911,-	36.0 kg	F



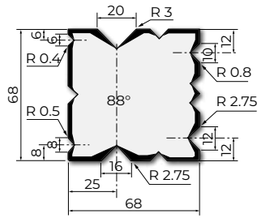
60° 80°

R1

42Cr: 900-1150 N/mm² — 1000 kN/m max.

T70-88

525 mm	€ 422,-	17.5 kg
495 mm	€ 603,-	16.5 kg



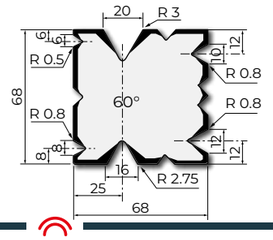
88°

42Cr: 900-1150 N/mm² — Siehe Tabelle

T70-60

525 mm	€ 455,-	16.8 kg
495 mm	€ 635,-	15.8 kg

V [mm]	6	8	10	12	16	20
kN/m max	600	600	600	600	800	800



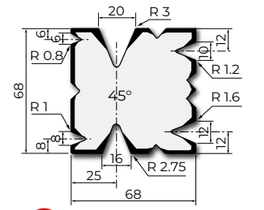
60°

42Cr: 900-1150 N/mm² — Siehe Tabelle

T70-45

525 mm	€ 477,-	16.1 kg
495 mm	€ 657,-	15.2 kg

V [mm]	6	8	10	12	16	20
kN/m max	400	400	500	500	700	700



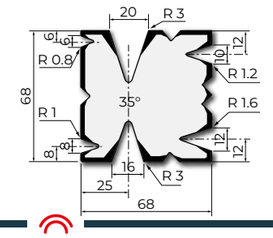
45°

42Cr: 900-1150 N/mm² — Siehe Tabelle

T70-35

525 mm	€ 527,-	15.3 kg
495 mm	€ 709,-	14.4 kg

V [mm]	6	8	10	12	16	20
kN/m max	300	350	450	450	500	500

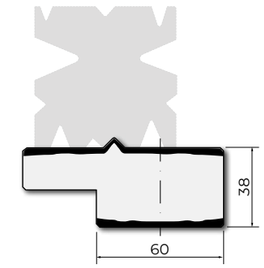


35°

C45: 560-710 N/mm²

SU-T70

525 mm	€ 252,-	12.4 kg

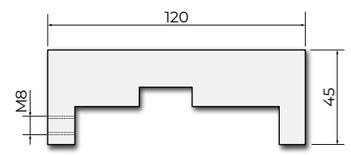


Halter

Fe37

PB-T70

20 mm	€ 59,-	0.2 kg



Klemmstücke

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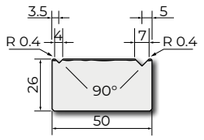
C45: 560-710 N/mm² — 600 kN/m max.

12100

835 mm	€	126,-	8.4 kg
415 mm	€	71,-	4.2 kg

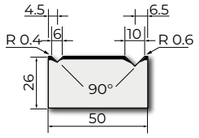


90°

C45: 560-710 N/mm² — 700 kN/m max.

12300

835 mm	€	126,-	8.0 kg
415 mm	€	71,-	3.9 kg

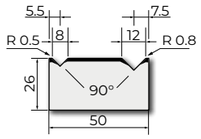


90°

C45: 560-710 N/mm² — 800 kN/m max.

12400

835 mm	€	126,-	8.0 kg
415 mm	€	71,-	3.9 kg

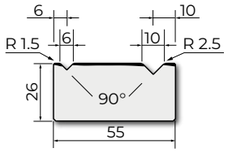


90°

C45: 560-710 N/mm² — 800 kN/m max.

31100

835 mm	€	126,-	9.1 kg
415 mm	€	71,-	4.5 kg

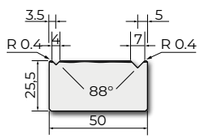


90°

C45: 560-710 N/mm² — 600 kN/m max.

12106

835 mm	€	126,-	8.4 kg
415 mm	€	71,-	7.8 kg

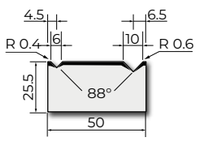


88°

C45: 560-710 N/mm² — 700 kN/m max.

12306

835 mm	€	126,-	8.0 kg
415 mm	€	69,-	3.9 kg

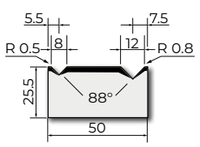


88°

C45: 560-710 N/mm² — 800 kN/m max.

12406

835 mm	€	126,-	8.0 kg
415 mm	€	69,-	3.9 kg

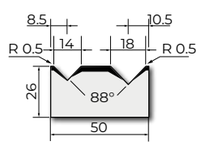


88°

C45: 560-710 N/mm² — 1000 kN/m max.

12500

835 mm	€	126,-	7.7 kg
415 mm	€	69,-	3.8 kg



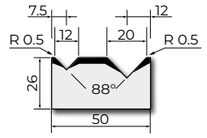
88°

2-V Matrizen - R1 Serie A

C45: 560-710 N/mm² — 1000 kN/m max.

12600

835 mm	€	126,-	7.5 kg
415 mm	€	69,-	3.7 kg

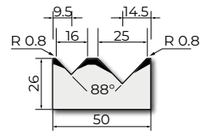


88°

C45: 560-710 N/mm² — 700 kN/m max.

12700

835 mm	€	126,-	7.0 kg
415 mm	€	69,-	3.4 kg

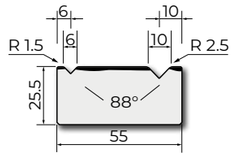


88°

C45: 560-710 N/mm² — 800 kN/m max.

31106

835 mm	€	126,-	8.9 kg
415 mm	€	71,-	4.4 kg

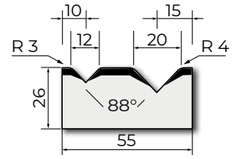


88°

C45: 560-710 N/mm² — 1000 kN/m max.

31400

835 mm	€	126,-	7.5 kg
415 mm	€	71,-	3.7 kg



88°

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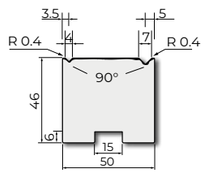
C45: 560-710 N/mm² — 600 kN/m max.

30148

835 mm	€ 204,-	14.2 kg	
415 mm	€ 112,-	7.1 kg	
795 mm	€ 343,-	13.5 kg	FX
805 mm	€ 343,-	13.7 kg	F

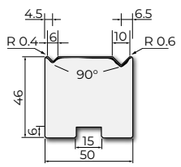


90°

C45: 560-710 N/mm² — 700 kN/m max.

30248

835 mm	€ 204,-	14.2 kg	
415 mm	€ 112,-	7.1 kg	
795 mm	€ 343,-	13.5 kg	FX
805 mm	€ 343,-	13.7 kg	F

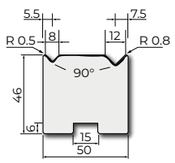


90°

C45: 560-710 N/mm² — 700 kN/m max.

30348

835 mm	€ 204,-	14.2 kg	
415 mm	€ 112,-	7.1 kg	
795 mm	€ 343,-	13.5 kg	FX
805 mm	€ 343,-	13.7 kg	F

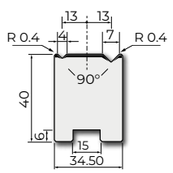


90°

C45: 560-710 N/mm² — 600 kN/m max.

50190

835 mm	€ 204,-	9.7 kg	
415 mm	€ 112,-	4.8 kg	
795 mm	€ 343,-	9.2 kg	FX
805 mm	€ 343,-	9.4 kg	F

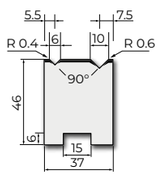


90°

C45: 560-710 N/mm² — 700 kN/m max.

50290

835 mm	€ 204,-	10.3 kg	
415 mm	€ 112,-	5.2 kg	
795 mm	€ 343,-	10.0 kg	FX
805 mm	€ 343,-	10.1 kg	F

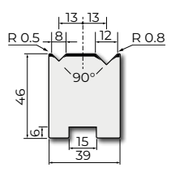


90°

C45: 560-710 N/mm² — 700 kN/m max.

50390

835 mm	€ 204,-	10.7 kg	
415 mm	€ 112,-	5.3 kg	
795 mm	€ 343,-	10.7 kg	FX
805 mm	€ 343,-	10.7 kg	F

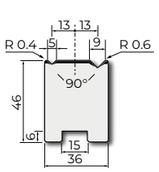


90°

C45: 560-710 N/mm² — 600 kN/m max.

50790

835 mm	€ 204,-	10.0 kg	
415 mm	€ 112,-	5.0 kg	
795 mm	€ 343,-	9.5 kg	FX
805 mm	€ 343,-	9.7 kg	F

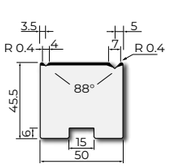


90°

C45: 560-710 N/mm² — 600 kN/m max.

30147

835 mm	€ 204,-	14.2 kg	
415 mm	€ 112,-	7.1 kg	
795 mm	€ 343,-	13.5 kg	FX
805 mm	€ 343,-	13.7 kg	F



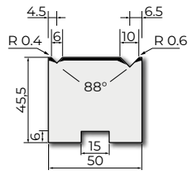
88°

Sektioniert — auf Anfrage — Artikel auf Lager — Lieferzeit bitte erfragen

C45: 560-710 N/mm² — 700 kN/m max.

30247

835 mm	€ 204,-	14.0 kg	
415 mm	€ 112,-	8.4 kg	
795 mm	€ 343,-	16.2 kg	FX
805 mm	€ 343,-	16.4 kg	F

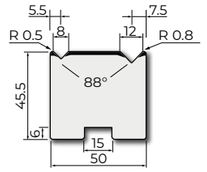


88°

C45: 560-710 N/mm² — 700 kN/m max.

30347

835 mm	€ 204,-	14.2 kg	
415 mm	€ 112,-	7.1 kg	
795 mm	€ 343,-	13.5 kg	FX
805 mm	€ 343,-	13.7 kg	F

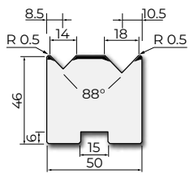


88°

C45: 560-710 N/mm² — 1000 kN/m max.

30448

835 mm	€ 204,-	13.5 kg	
415 mm	€ 112,-	6.7 kg	
795 mm	€ 343,-	13.5 kg	FX
805 mm	€ 343,-	13.7 kg	F

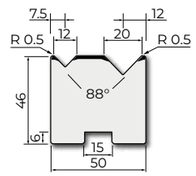


88°

C45: 560-710 N/mm² — 1000 kN/m max.

30548

835 mm	€ 204,-	13.5 kg	
415 mm	€ 112,-	6.7 kg	
795 mm	€ 343,-	13.5 kg	FX
805 mm	€ 343,-	13.7 kg	F

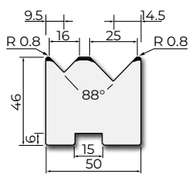


88°

C45: 560-710 N/mm² — 1000 kN/m max.

30648

835 mm	€ 204,-	12.9 kg	
415 mm	€ 112,-	6.4 kg	
795 mm	€ 343,-	13.5 kg	FX
805 mm	€ 343,-	13.7 kg	F

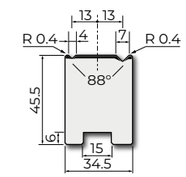


88°

C45: 560-710 N/mm² — 600 kN/m max.

50196

835 mm	€ 204,-	9.5 kg	
415 mm	€ 112,-	4.8 kg	
795 mm	€ 343,-	9.5 kg	FX
805 mm	€ 343,-	9.5 kg	F

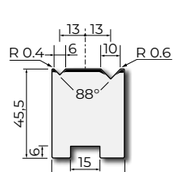


88°

C45: 560-710 N/mm² — 700 kN/m max.

50296

835 mm	€ 204,-	10.4 kg	
415 mm	€ 112,-	5.2 kg	
795 mm	€ 343,-	10.4 kg	FX
805 mm	€ 343,-	10.4 kg	F

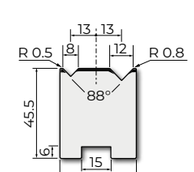


88°

C45: 560-710 N/mm² — 700 kN/m max.

50396

835 mm	€ 204,-	10.8 kg	
415 mm	€ 112,-	5.3 kg	
795 mm	€ 343,-	10.8 kg	FX
805 mm	€ 343,-	10.8 kg	F



88°

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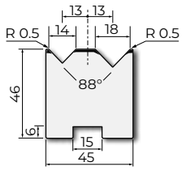
C45: 560-710 N/mm² — 1000 kN/m max.

50490

835 mm	€ 204,-	12.0 kg	
415 mm	€ 112,-	5.3 kg	
795 mm	€ 343,-	10.8 kg	FX
805 mm	€ 343,-	10.8 kg	F

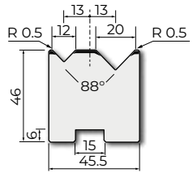


88°

C45: 560-710 N/mm² — 700 kN/m max.

50590

835 mm	€ 204,-	12.2 kg	
415 mm	€ 112,-	6.1 kg	
795 mm	€ 343,-	12.2 kg	FX
805 mm	€ 343,-	12.2 kg	F

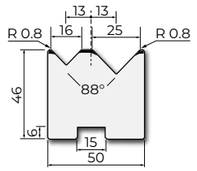


88°

C45: 560-710 N/mm² — 1000 kN/m max.

50690

835 mm	€ 204,-	13.0 kg	
415 mm	€ 112,-	6.5 kg	
795 mm	€ 343,-	12.4 kg	FX
805 mm	€ 343,-	12.6 kg	F

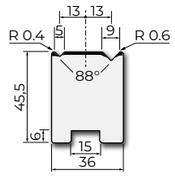


88°

C45: 560-710 N/mm² — 600 kN/m max.

50796

835 mm	€ 204,-	10.0 kg	
415 mm	€ 112,-	5.0 kg	
795 mm	€ 343,-	9.5 kg	FX
805 mm	€ 343,-	9.5 kg	F

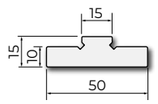


88°

C45: 560-710 N/mm² — 1000 kN/m max.

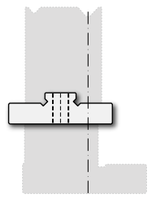
30000

835 mm	€ 131,-	3.7 kg	
415 mm	€ 71,-	1.9 kg	



Halter

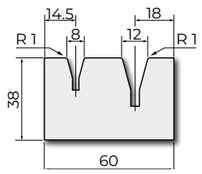
Einsatzbeispiel



42Cr: 900-1150 N/mm² — 300 kN/m max.

33700

835 mm	€ 193,-	13.3 kg	
415 mm	€ 103,-	5.6 kg	



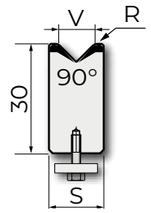
30°

Sektioniert — auf Anfrage — Artikel auf Lager — Lieferzeit bitte erfragen

C45: 560-710 N/mm² — Siehe Tabelle

H=30 mm

	V [mm]	R [mm]	S [mm]	kN/m max.	835 mm			415 mm		
32000	6	1.5	14	950	€ 111,-	3.0 kg		€ 74,-	1.5 kg	
32100	8	1.5	14	950	€ 111,-	3.0 kg		€ 74,-	1.5 kg	
32300	10	2.0	15	950	€ 111,-	3.0 kg		€ 74,-	1.5 kg	
32600	12	2.5	17	1000	€ 111,-	2.9 kg		€ 74,-	1.5 kg	

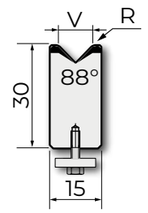


90°

C45: 560-710 N/mm² — Siehe Tabelle

H=30 mm *H=29.5

	V [mm]	R [mm]	S [mm]	kN/m max.	835 mm			415 mm		
32006*	6	1.5	14	950	€ 111,-	3.0 kg		€ 74,-	1.5 kg	
32106*	8	1.5	14	950	€ 111,-	3.0 kg		€ 74,-	1.5 kg	
32200	10	2.0	15	950	€ 111,-	3.0 kg		€ 74,-	1.5 kg	
32400	12	2.5	17	1000	€ 111,-	3.0 kg		€ 74,-	1.5 kg	
32500	16	2.5	18	1000	€ 111,-	3.3 kg		€ 74,-	1.6 kg	

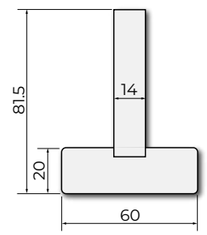


88°

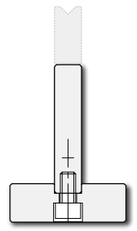
C45: 560-710 N/mm² — 1000 kN/m max.

33000

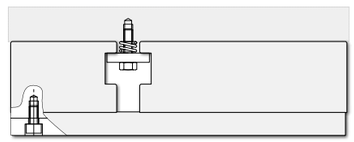
835 mm	€ 197,-	12.7 kg	
415 mm	€ 107,-	6.3 kg	



Halter



Einsatzbeispiel



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Zentrische 1-V Matrizen - R1 Serie A

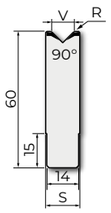
C45: 560-710 N/mm²

950 kN/m max.

H=60 mm

	V [mm]	R [mm]	S [mm]	835 mm			415 mm			FX 795 mm			F 805 mm		
07000	6	1.5	14	€	271,-	5.5 kg	€	189,-	2.7 kg	€	452,-	5.2 kg	€	452,-	5.3 kg
07100	8	1.5	14	€	271,-	5.5 kg	€	189,-	2.7 kg	€	452,-	5.2 kg	€	452,-	5.3 kg
07300	10	2.0	15	€	271,-	6.0 kg	€	189,-	3.0 kg	€	452,-	5.3 kg	€	452,-	5.4 kg
07500	12	2.5	15	€	271,-	6.1 kg	€	189,-	3.0 kg	€	452,-	5.8 kg	€	452,-	5.9 kg

Für passende Matrizenhalter sehen Sie Seite 58



90°

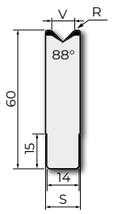
C45: 560-710 N/mm²

950 kN/m max.

H=60 mm

	V [mm]	R [mm]	S [mm]	835 mm			415 mm			FX 795 mm			F 805 mm		
07006	6	1.5	14	€	271,-	5.5 kg	€	189,-	2.7 kg	€	271,-	5.2 kg	€	271,-	5.3 kg
07106	8	1.5	14	€	271,-	5.5 kg	€	189,-	2.7 kg	€	452,-	5.2 kg	€	452,-	5.3 kg
07200	10	2.0	15	€	271,-	6.0 kg	€	189,-	3.0 kg	€	452,-	5.4 kg	€	452,-	5.5 kg
07400	12	2.5	17	€	271,-	6.0 kg	€	189,-	3.0 kg	€	452,-	5.8 kg	€	452,-	5.9 kg
07600	16	2.5	17	€	271,-	6.1 kg	€	189,-	3.0 kg	€	452,-	5.8 kg	€	452,-	5.9 kg

Für passende Matrizenhalter sehen Sie Seite 58



88°

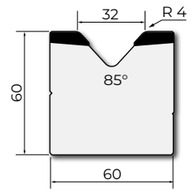
1-V Matrizen - R1 Serie A

C45: 560-710 N/mm²

1000 kN/m max.

03500

835 mm	€ 152,-	21.7 kg	
415 mm	€ 98,-	10.8 kg	
795 mm	€ 294,-	21.7 kg	FX
805 mm	€ 294,-	21.7 kg	F



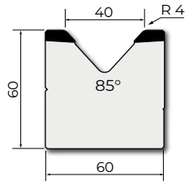
85°

C45: 560-710 N/mm²

1000 kN/m max.

03600

835 mm	€ 152,-	20.5 kg	
415 mm	€ 98,-	10.2 kg	
795 mm	€ 294,-	19.5 kg	FX
805 mm	€ 294,-	19.7 kg	F



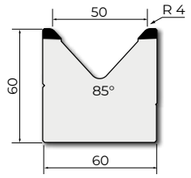
85°

C45: 560-710 N/mm²

1000 kN/m max.

03700

835 mm	€ 152,-	18.9 kg	
415 mm	€ 98,-	9.4 kg	
795 mm	€ 294,-	18.9 kg	FX
805 mm	€ 294,-	18.9 kg	F



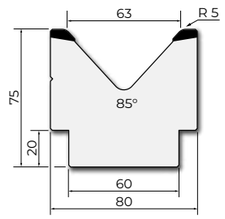
85°

C45: 560-710 N/mm²

1000 kN/m max.

03800

835 mm	€ 298,-	29.2 kg	
415 mm	€ 169,-	14.5 kg	
795 mm	€ 482,-	29.2 kg	FX
805 mm	€ 482,-	29.2 kg	F



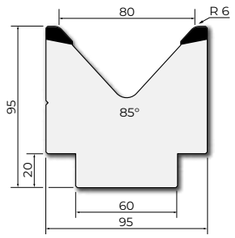
85°

C45: 560-710 N/mm²

700 kN/m max.

01360

835 mm	€ 378,-	42.6 kg	
415 mm	€ 215,-	21.2 kg	
795 mm	€ 563,-	42.6 kg	FX
805 mm	€ 563,-	42.6 kg	F



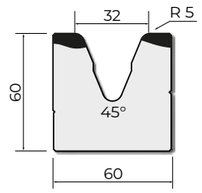
85°

C45: 560-710 N/mm²

400 kN/m max.

34200

835 mm	€ 174,-	19.2 kg	
415 mm	€ 95,-	9.6 kg	
795 mm	€ 326,-	19.2 kg	FX
805 mm	€ 326,-	19.2 kg	F



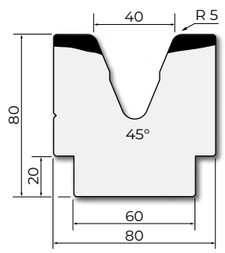
45°

C45: 560-710 N/mm²

700 kN/m max.

34300

835 mm	€ 372,-	32.7 kg	
415 mm	€ 213,-	16.2 kg	
795 mm	€ 593,-	31.1 kg	FX
805 mm	€ 593,-	31.5 kg	F



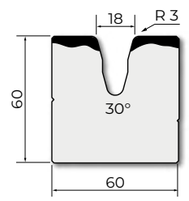
45°

C45: 560-710 N/mm²

800 kN/m max.

34000

835 mm	€ 162,-	21.5 kg	
415 mm	€ 87,-	10.7 kg	
795 mm	€ 255,-	21.5 kg	FX
805 mm	€ 255,-	21.5 kg	F



30°

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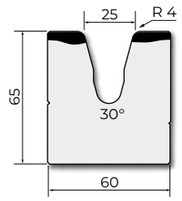
C45: 560-710 N/mm² — 600 kN/m max.

34100

835 mm	€	170,-	21.7 kg	
415 mm	€	95,-	10.8 kg	
795 mm	€	320,-	21.7 kg	FX
805 mm	€	320,-	21.7 kg	F

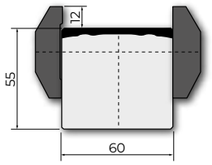


30°

C45: 560-710 N/mm² — 1000 kN/m max.

05500

835 mm	€	224,-	21.7 kg
415 mm	€	135,-	10.8 kg



Halter

Zudrückmatrizen - R1

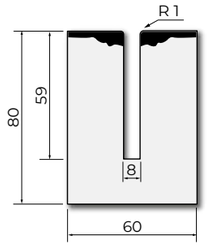
R1

42Cr: 900-1150 N/mm² — 500 kN/m max. - 1000 kN/m max.

TOP.SM-134.28.8

525 mm	€	301,-	17.5 kg
495 mm	€	481,-	16.5 kg

Zu verwenden mit:
- TOP.SP-134.28.8 (S. 15)

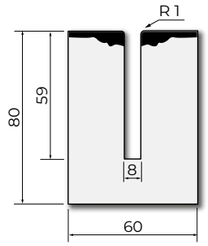


42Cr: 900-1150 N/mm² — 500 kN/m max. - 1000 kN/m max.

TOP.SM-134.24.8

525 mm	€	301,-	16.5 kg
495 mm	€	481,-	16.5 kg

Zu verwenden mit:
- TOP.SP-134.24.8 (S. 15)

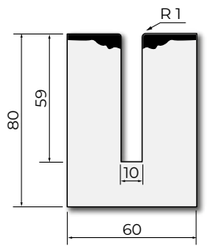


42Cr: 900-1150 N/mm² — 500 kN/m max. - 1000 kN/m max.

TOP.SM-134.24.10

525 mm	€	301,-	18.0 kg
495 mm	€	481,-	16.9 kg

Zu verwenden mit:
- TOP.SP-134.24.10 (S. 15)

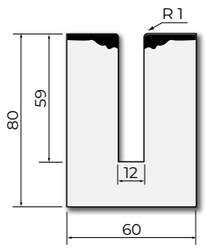


42Cr: 900-1150 N/mm² — 500 kN/m max. - 1000 kN/m max.

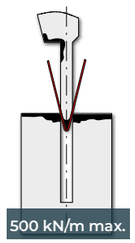
TOP.SM-134.24.12

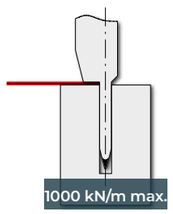
525 mm	€	301,-	16.8 kg
495 mm	€	481,-	15.9 kg

Zu verwenden mit:
- TOP.SP-134.24.12 (S. 15)



Anwendungsbeispiel ▸





S [mm]	A [mm]	R.420 N/mm² kN/m	R.700 N/mm² kN/m
0.6	3.0	90	150
0.8	3.0	120	200
1.0	3.5	150	250
1.25	3.5	170	260

S [mm]	A [mm]	R.420 N/mm² kN/m	R.700 N/mm² kN/m
0.6	1.2	230	350
0.8	1.6	320	500
1.0	1.0	400	600
1.25	2.5	500	800

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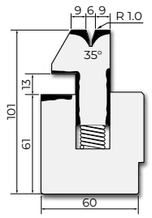
C45: 560-710 N/mm² — 600 kN/m max.

S101.35.06

835 mm	€	587,-	30.0 kg
415 mm	€	341,-	15.4 kg

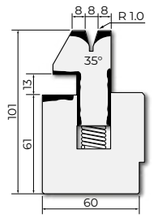


35°

C45: 560-710 N/mm² — 600 kN/m max.

S101.35.08

835 mm	€	587,-	30.0 kg
415 mm	€	341,-	15.0 kg

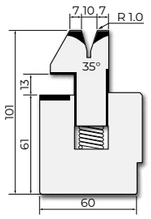


35°

C45: 560-710 N/mm² — 600 kN/m max.

S101.35.10

835 mm	€	587,-	30.0 kg
415 mm	€	341,-	15.5 kg

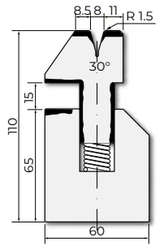


35°

C45: 560-710 N/mm² — 800 kN/m max.

S110.30.08

835 mm	€	612,-	30.0 kg
415 mm	€	355,-	15.0 kg

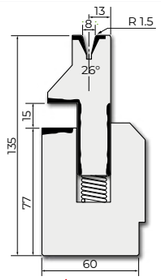


30°

42Cr: 900-1150 N/mm² — 400 kN/m max.

S135.26.08

835 mm	€	1.040,-	39.8 kg
415 mm	€	571,-	21.0 kg

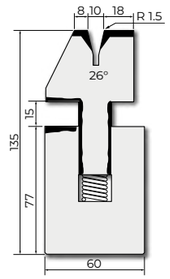


26°

C45: 560-710 N/mm² — 1000 kN/m max.

S135.26.10

835 mm	€	697,-	41.5 kg
415 mm	€	412,-	20.7 kg

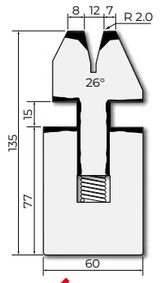


26°

C45: 560-710 N/mm² — 1000 kN/m max.

SA135.26.12

835 mm	€	738,-	41.0 kg
415 mm	€	476,-	20.5 kg



26°

Die Zudrückmatrizen können auch als Standard- Matrizen verwendet
werden. Dafür wird die Feder mittels mechanischem System fixiert.

S [mm]	A [mm]	R.420 N/mm² kN/m	R.700 N/mm² kN/m
0.6	3.0	90	150
0.8	3.0	120	200
1.0	3.5	150	250
1.25	3.5	170	260
1.5	4.6	220	380
2.0	5.5	300	500
2.5	6.5	550	-
3.0	8.0	700	-

S [mm]	A [mm]	R.420 N/mm² kN/m	R.700 N/mm² kN/m
0.6	1.2	230	350
0.8	1.6	320	500
1.0	2.0	400	600
1.25	2.5	500	800
1.5	3.0	630	950
2.0	4.0	800	1300
2.5	5.0	900	-
3.0	6.0	1000	-

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KPN

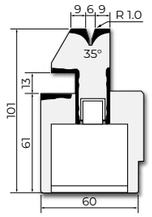
€ 335,-	1.0 kg

Zubehör ✓

C45: 560-710 N/mm² — 600 kN/m max.

S101PN.35.06

835 mm	€ 1.013,-	30.0 kg
415 mm	€ 798,-	15.5 kg

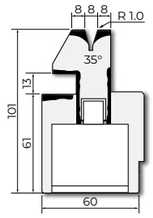


35° ✓

C45: 560-710 N/mm² — 600 kN/m max.

S101PN.35.08

835 mm	€ 1.013,-	31.0 kg
415 mm	€ 798,-	15.5 kg

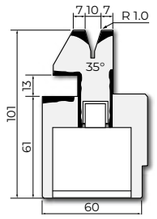


35° ✓

C45: 560-710 N/mm² — 600 kN/m max.

S101PN.35.10

835 mm	€ 1.013,-	29.0 kg
415 mm	€ 798,-	15.5 kg

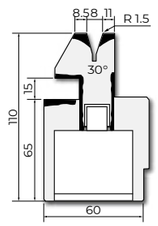


35° ✓

C45: 560-710 N/mm² — 800 kN/m max.

S110PN.30.08

835 mm	€ 1.035,-	30.0 kg
415 mm	€ 812,-	15.0 kg

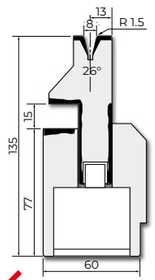


30° ✓

42Cr: 900-1150 N/mm² — 400 kN/m max.

S135PN.26.08

835 mm	€ 1.542,-	39.8 kg
415 mm	€ 1.125,-	21.2 kg

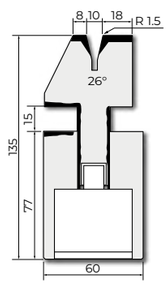


26° ✓

C45: 560-710 N/mm² — 1000 kN/m max.

S135PN.26.10

835 mm	€ 1.149,-	41.5 kg
415 mm	€ 882,-	20.7 kg

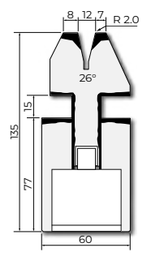


26° ✓

C45: 560-710 N/mm² — 1000 kN/m max.

SA135PN.26.12

835 mm	€ 1.278,-	41.0 kg
415 mm	€ 944,-	20.5 kg



26° ✓

R1

S [mm]	A [mm]	R.45 Kgf/mm² kN/m	R.70 Kgf/mm² kN/m
0.6	3.0	90	150
0.8	3.0	120	200
1.0	3.5	150	250
1.25	3.5	170	260
1.5	4.6	220	380
2.0	5.5	300	500
2.5	6.5	550	-
3.0	8.0	700	-

S [mm]	A [mm]	R.45 Kgf/mm² kN/m	R.70 Kgf/mm² kN/m
0.6	1.2	230	350
0.8	1.6	320	500
1.0	1.0	400	600
1.25	2.5	500	800
1.5	3.0	630	950
2.0	4.0	800	1300
2.5	5.0	900	-
3.0	6.0	1000	-

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OBERWERKZEUGE ROLLERI TYP R2

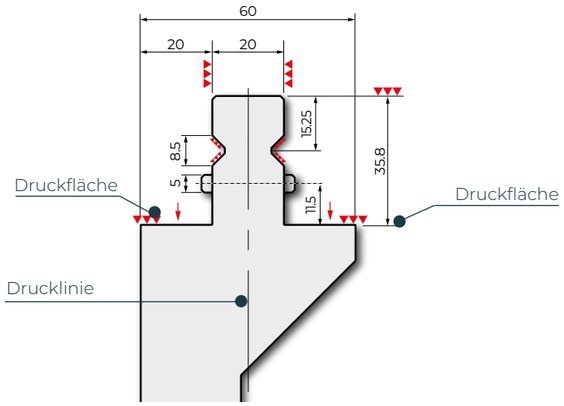
▼ **KOMPATIBILITÄT**

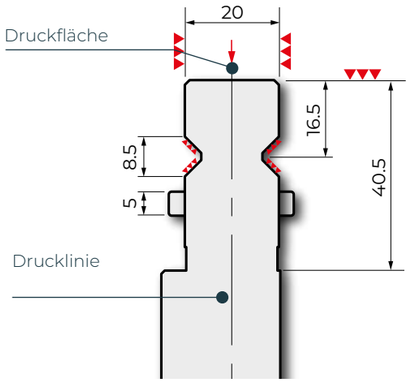
Darley
LVD
Safan
Trumpf
Abkantpressen mit dem System NSCL

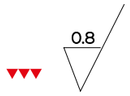
Erläuterungen	88 - 91
Oberwerkzeuge	92 - 97
90°	92
86°	92 - 94
80°	94
60°	95 - 96
28°	96 - 97
Zudrückwerkzeuge	98
Z-Werkzeuge	99
Halter, Radienwerkzeuge und Zudrückwerkzeuge	100 - 101

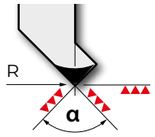
AUFNAHME

↓: Druckfläche



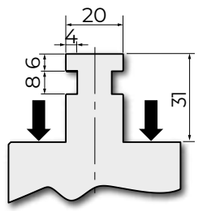




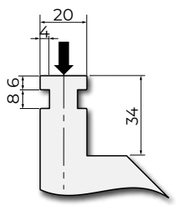


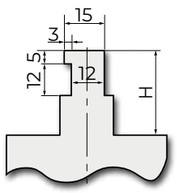
MODIFIZIERUNGEN FÜR SICHERHEITSAUFNAHMEN

Modifikation von Werkzeugen
Typ R2 schultertragend



Modifikation von Werkzeugen
Typ R2 kopftragend





WERKZEUGLÄNGEN

100 mm

250 mm

500 mm

515 mm

525 mm

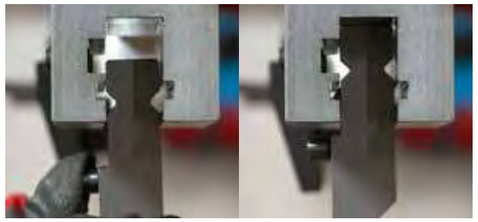
Sektioniert | auf Anfrage | Artikel auf Lager | Lieferzeit bitte erfragen

KLEMMSYSTEME

!: = Wählen Sie zwischen drei verschiedenen Klemmsystemen

QuickLock (Standard)

- Vertikaler Werkzeugwechsel
- Einfache Handhabung
- Erhebliche Einsparung der Rüstkosten
- Einsetzbar bei Werkzeugen < 12,5 kg
- Einsatz bei Werkzeugen > 12,5 kg durch spezielle Trennung möglich



Sicherheitsstifte (Standard)

- Horizontaler Werkzeugwechsel

ROLI-System

- Vertikaler Werkzeugwechsel durch federgelagerte Kugeln, die im Abkantwerkzeug eingearbeitet sind
- Erhöhte Langlebigkeit
- Einfache Handhabung
- Benötigt gehärtete Aufnahme
- Einsetzbar bei Werkzeugen < 12,5 kg

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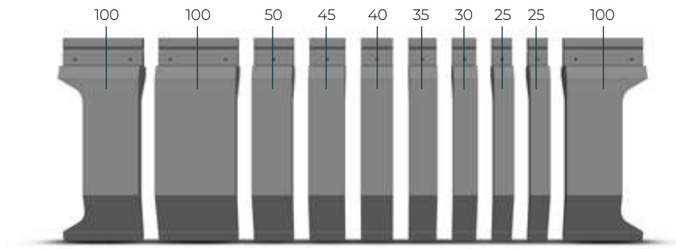
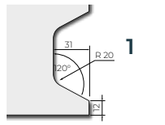
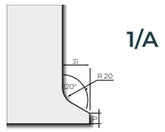
SEKTIONIERUNGEN

FW: 550 mm - 10 segmente

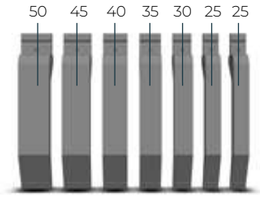


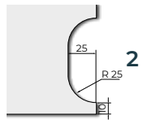
Hornstücke



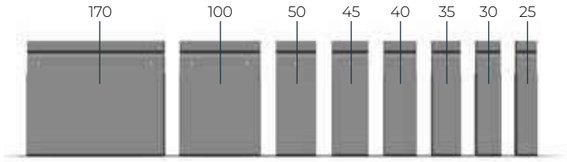


FC: 250 mm - 7 segmente





F: 495 mm - 8 segmente



FA: 1250-2050-2550-3050-4050 mm

Länge mm	25	30	35	40	45	50	100 Horn li.	100 Horn re.	100
1250	2	1	1	1	1	1	1	1	8
2050	2	1	1	1	1	1	1	1	16
2550	2	1	1	1	1	1	1	1	21
3050	2	1	1	1	1	1	1	1	26
4050	2	1	1	1	1	1	1	1	36

Auf Anfrage erhältlich

FB: 1250-2050-2550-3050-4050 mm

Länge mm	25	30	35	40	45	50	100 Horn li.	100 Horn re.	100	200	300	500
1250	2	1	1	1	1	1	1	1	1	2	1	0
2050	2	1	1	1	1	1	1	1	1	1	1	2
2550	2	1	1	1	1	1	1	1	1	1	1	3
3050	2	1	1	1	1	1	1	1	1	1	1	4
4050	2	1	1	1	1	1	1	1	1	1	1	6

Auf Anfrage erhältlich

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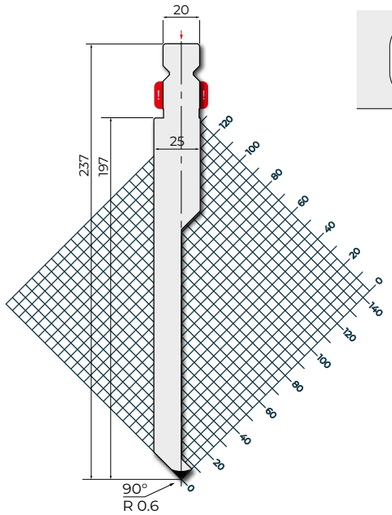
42Cr: 900-1150 N/mm² — 600 kN/m max.

TPR237.90.R06

100 mm		3.4 kg	
250 mm	€ 352,-	8.5 kg	
515 mm	€ 457,-	17.5 kg	
550 mm	€ 904,-	18.7 kg	FW

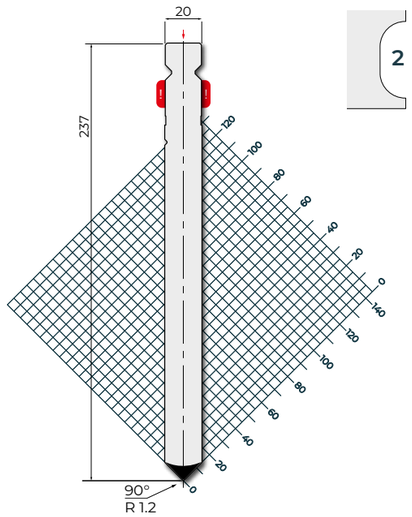


90°

42Cr: 900-1150 N/mm² — 1000 kN/m max.

TPR237.90.R12

100 mm		3.7 kg	
250 mm	€ 273,-	9.2 kg	
515 mm	€ 416,-	19.0 kg	
550 mm	€ 858,-	20.3 kg	FW

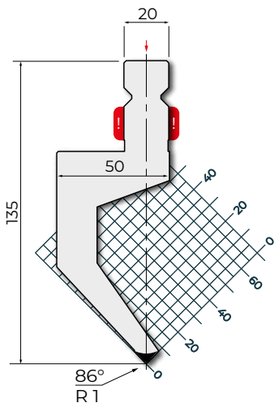


90°

42Cr: 900-1150 N/mm² — 650 kN/m max.

TPR135.86.R1

100 mm		2.4 kg	
250 mm	€ 289,-	6.0 kg	
515 mm	€ 362,-	12.3 kg	
550 mm	€ 776,-	13.1 kg	FW

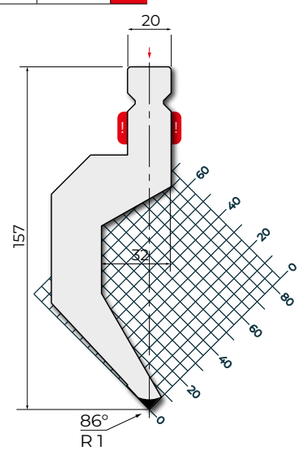


86°

42Cr: 900-1150 N/mm² — 800 kN/m max.

TPR157.86.R1

100 mm		3.0 kg	
500 mm	€ 307,-	14.0 kg	
250 mm	€ 337,-	7.5 kg	FC
550 mm	€ 608,-	15.0 kg	FW



86°

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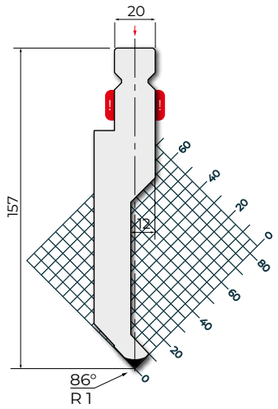
R2

42Cr: 900-1150 N/mm² — 800 kN/m max.

TPR157.86.R1-A

100 mm		2.5 kg	
500 mm	€ 245,-	12.5 kg	
250 mm	€ 269,-	6.2 kg	FC
550 mm	€ 481,-	12.5 kg	FW

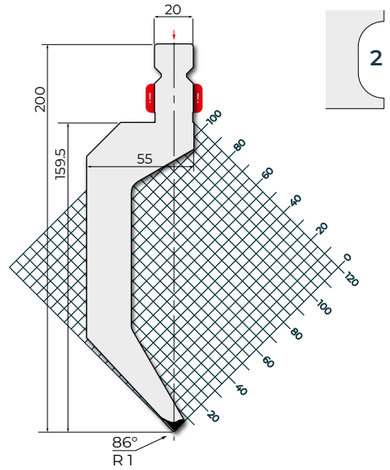


86°

42Cr: 900-1150 N/mm² — 500 kN/m max.

TPR200.86.R1

100 mm		3.7 kg	
250 mm	€ 352,-	6.1 kg	
515 mm	€ 473,-	19.1 kg	
550 mm	€ 961,-	20.4 kg	FW

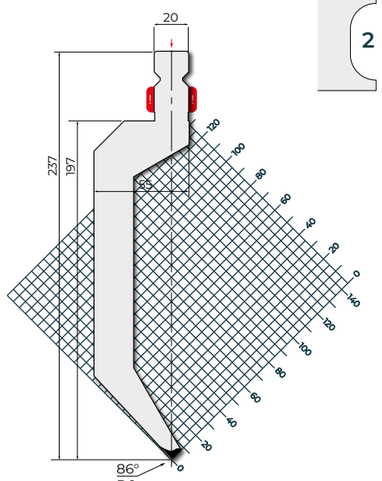


86°

42Cr: 900-1150 N/mm² — 500 kN/m max.

TPR237.86.R1

100 mm		4.5 kg	
250 mm	€ 436,-	11.2 kg	
515 mm	€ 567,-	23.0 kg	
550 mm	€ 1.053,-	24.6 kg	FW

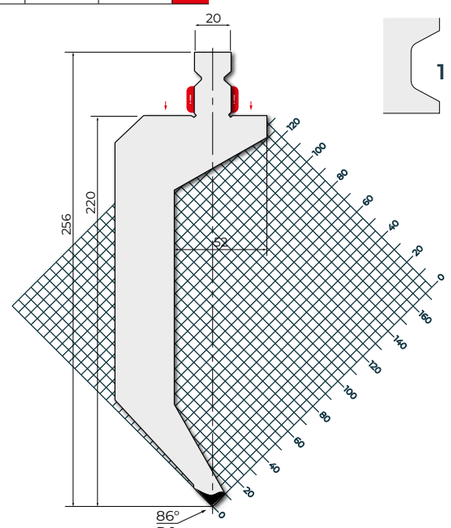


86°

42Cr: 900-1150 N/mm² — 800 kN/m max.

TPR256.86.R1

100 mm		6.5 kg	
500 mm	€ 772,-	33.0 kg	
250 mm	€ 841,-	16.5 kg	FC
550 mm	€ 1.657,-	33.0 kg	FW



86°

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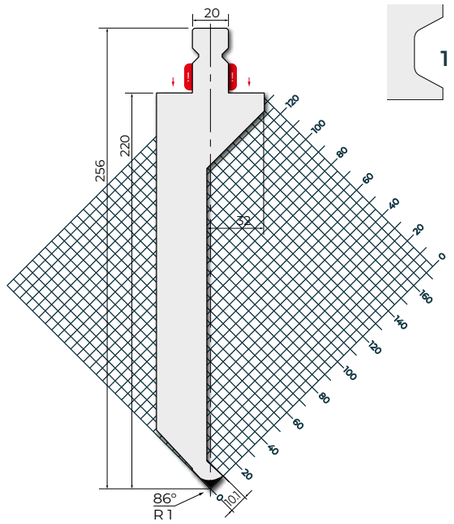
42Cr: 900-1150 N/mm² — 800 kN/m max.

TPR256.86.R1-A

100 mm		4.7 kg	
500 mm	€ 583,-	28.5 kg	
250 mm	€ 434,-	12.5 kg	FC
550 mm	€ 1.376,-	28.5 kg	FW

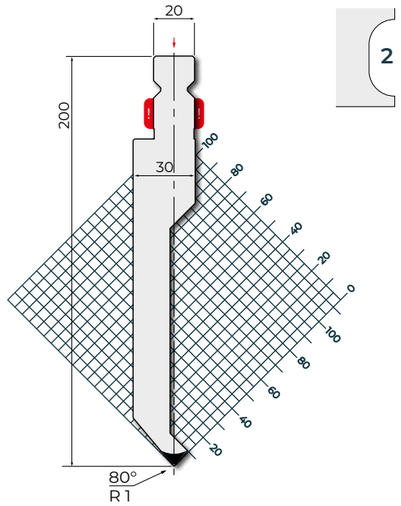


86°

42Cr: 900-1150 N/mm² — 800 kN/m max.

TPR200.80.R1

100 mm		3.7 kg	
250 mm	€ 299,-	9.2 kg	
515 mm	€ 397,-	19.0 kg	
550 mm	€ 844,-	21.0 kg	FW



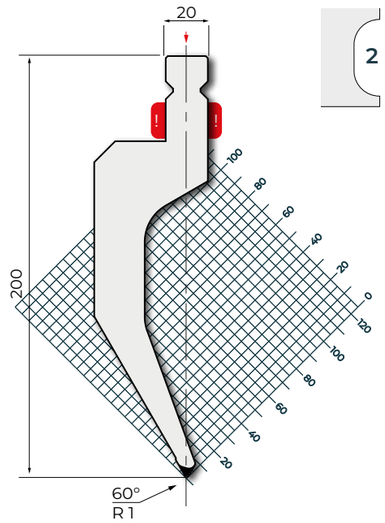
80°

42Cr: 900-1150 N/mm² — 700 kN/m max.

TPR200.60.R1

100 mm		3.7 kg	
500 mm	€ 352,-	18.3 kg	
250 mm	€ 473,-	9.2 kg	FC
550 mm	€ 961,-	20.2 kg	FW

NEU



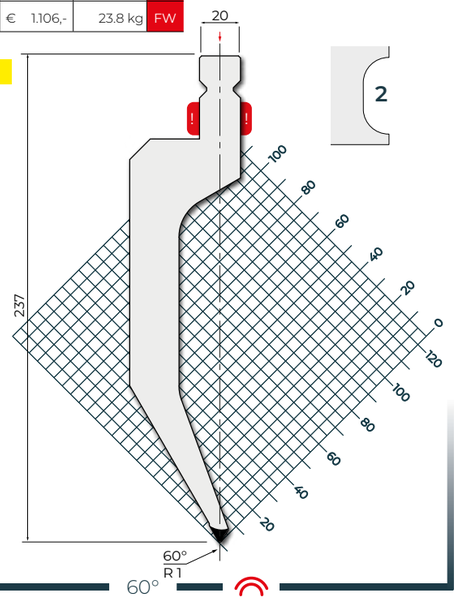
60°

42Cr: 900-1150 N/mm² — 700 kN/m max.

TPR237.60.R1

100 mm		4.3 kg	
500 mm	€ 458,-	21.6 kg	
250 mm	€ 595,-	10.8 kg	FC
550 mm	€ 1.106,-	23.8 kg	FW

NEU

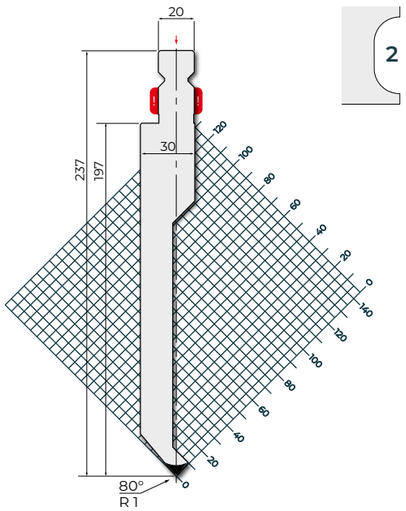


60°

42Cr: 900-1150 N/mm² — 800 kN/m max.

TPR237.80.R1

100 mm		3.8 kg	
250 mm	€ 341,-	9.6 kg	
515 mm	€ 457,-	19.7 kg	
550 mm	€ 904,-	21.0 kg	FW

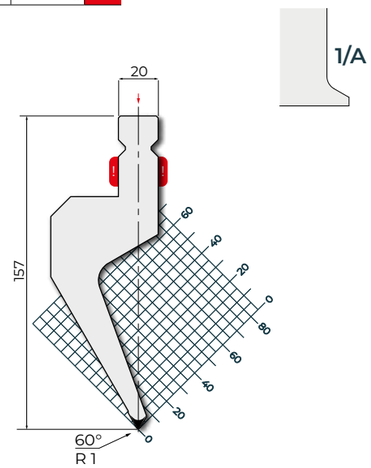


80°

42Cr: 900-1150 N/mm² — 700 kN/m max.

TPR157.60.R1

100 mm		3.0 kg	
500 mm	€ 307,-	15.0 kg	
250 mm	€ 337,-	7.5 kg	FC
550 mm	€ 603,-	16.5 kg	FW

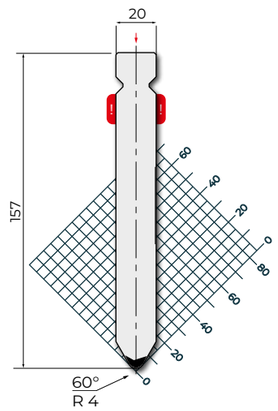


60°

42Cr: 900-1150 N/mm² — 1300 kN/m max.

TPR157.60.R4

100 mm		2.4 kg	
500 mm	€ 202,-	12.0 kg	
250 mm	€ 232,-	6.0 kg	FC
550 mm	€ 397,-	12.0 kg	FW

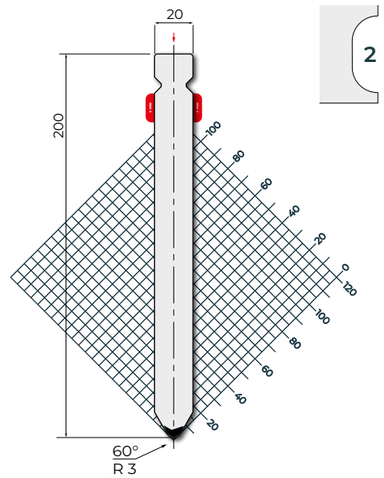


60°

42Cr: 900-1150 N/mm² — 1300 kN/m max.

TPR200.60.R3

100 mm		3.0 kg	
250 mm	€ 242,-	7.6 kg	
515 mm	€ 326,-	15.6 kg	
550 mm	€ 693,-	16.7 kg	FW



60°

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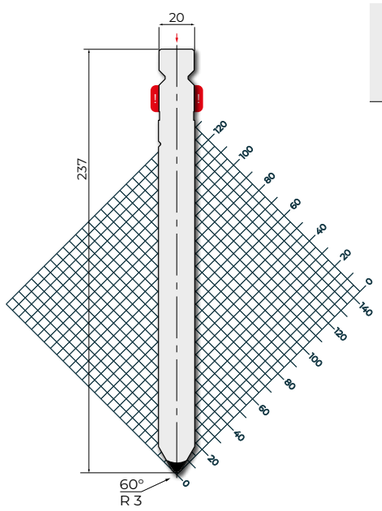
42Cr: 900-1150 N/mm² — 1300 kN/m max.

TPR237.60.R3

100 mm		3.6 kg	
250 mm	€ 277,-	9.1 kg	
515 mm	€ 431,-	18.8 kg	
550 mm	€ 891,-	20.1 kg	FW



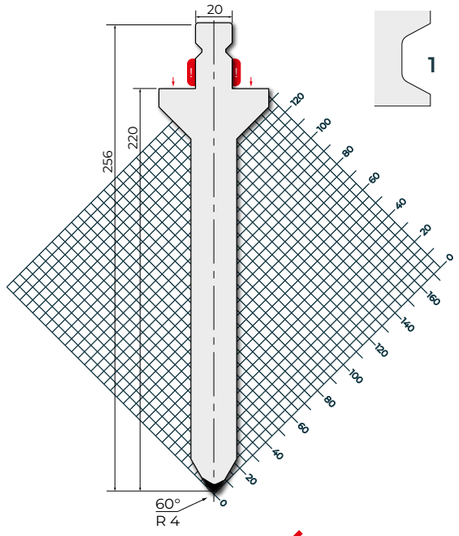
2

60°

42Cr: 900-1150 N/mm² — 1300 kN/m max.

TPR256.60.R4

100 mm		5.2 kg	
500 mm	€ 638,-	26.1 kg	
250 mm	€ 765,-	13.5 kg	FC
550 mm	€ 1.508,-	27.0 kg	FW



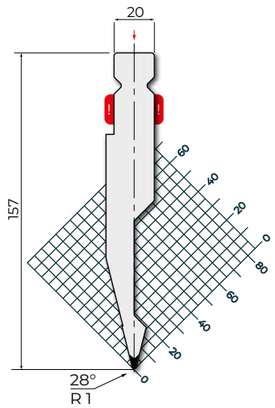
1

60°

42Cr: 900-1150 N/mm² — 600 kN/m max.

TPR157.28.R1

100 mm		2.0 kg	
500 mm	€ 234,-	10.0 kg	
250 mm	€ 255,-	5.0 kg	FC
550 mm	€ 503,-	10.0 kg	FW



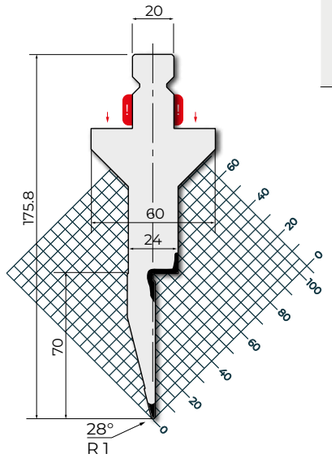
1/A

28°

42Cr: 900-1150 N/mm² — 400 kN/m max.

TPR176.28.R1

100 mm		3.0 kg	
500 mm	€ 434,-	15.0 kg	
250 mm	€ 477,-	7.5 kg	FC
550 mm	€ 855,-	10.0 kg	FW



1/A

28°

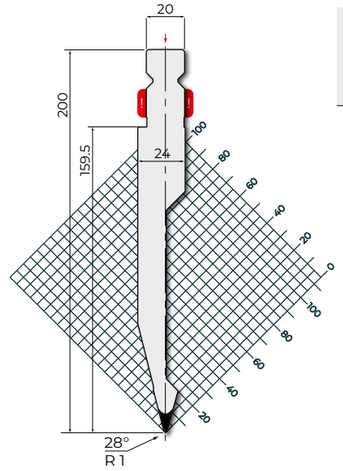
Sektioniert — auf Anfrage — Artikel auf Lager — Lieferzeit bitte erfragen

R2

42Cr: 900-1150 N/mm² — 600 kN/m max.

TPR200.28.R1

100 mm		2.4 kg	
500 mm	€ 263,-	6.1 kg	
515 mm	€ 357,-	12.6 kg	
550 mm	€ 897,-	13.5 kg	FW



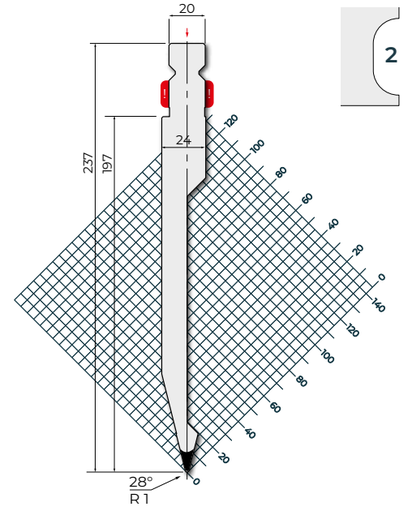
2

28°

42Cr: 900-1150 N/mm² — 600 kN/m max.

TPR237.28.R1

100 mm		2.9 kg	
250 mm	€ 368,-	7.3 kg	
515 mm	€ 479,-	15.0 kg	
550 mm	€ 944,-	16.0 kg	FW



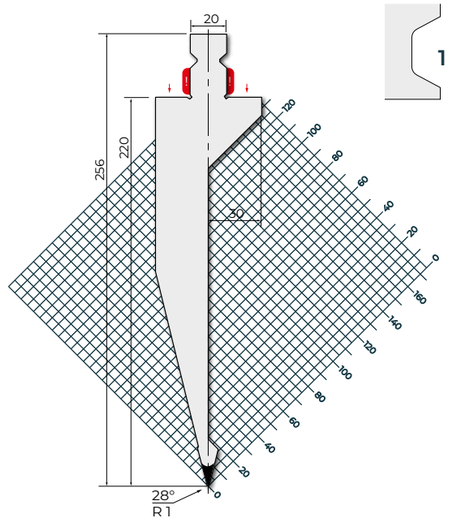
2

28°

42Cr: 900-1150 N/mm² — 600 kN/m max.

TPR256.28.R1

100 mm		5.0 kg	
500 mm	€ 599,-	25.0 kg	
250 mm	€ 790,-	12.5 kg	FC
550 mm	€ 1.413,-	28.0 kg	FW



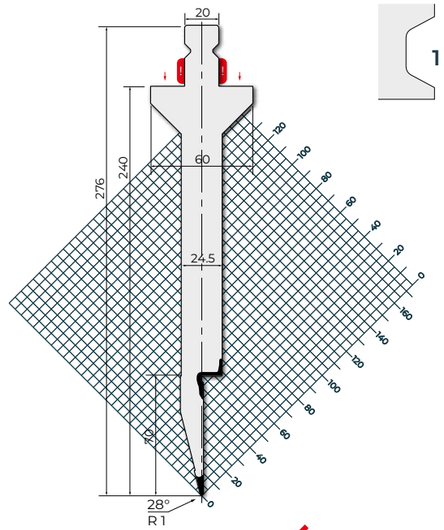
1

28°

42Cr: 900-1150 N/mm² — 400 kN/m max.

TPR276.28.R1

100 mm		4.8 kg	
500 mm	€ 701,-	24.0 kg	
250 mm	€ 841,-	12.0 kg	FC
550 mm	€ 1.657,-	26.4 kg	FW



1

28

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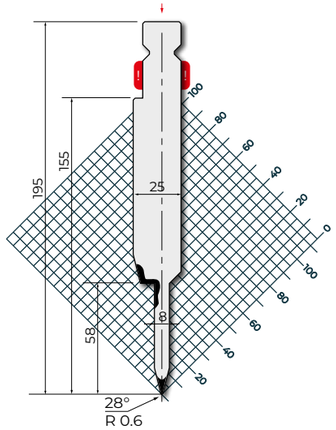
42Cr: 900-1150 N/mm² — 800 kN/m max. - 1000 kN/m max.

TPR.SP.195.28.8

100 mm			2.9 kg
525 mm	€	623,-	15.1 kg
495 mm	€	986,-	8.9 kg F

Zu verwenden mit:
- TPR.SM.195.28.8 (S. 142)



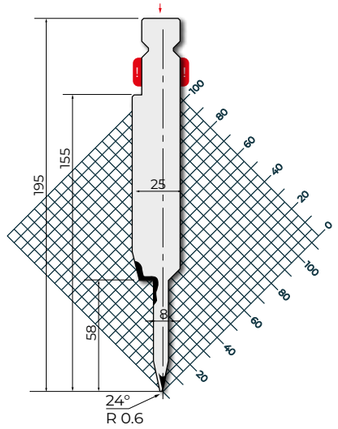
28°

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

TPR.SP.195.24.8

100 mm			2.9 kg
525 mm	€	623,-	15.0 kg
495 mm	€	986,-	8.9 kg F

Zu verwenden mit:
- TPR.SM.195.24.8 (S. 142)



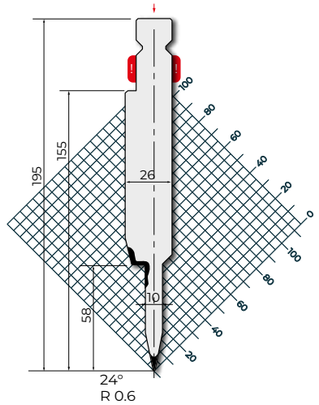
24°

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

TPR.SP.195.24.10

100 mm			3.0 kg
525 mm	€	623,-	15.5 kg
495 mm	€	986,-	9.3 kg F

Zu verwenden mit:
- TPR.SM.195.24.10 (S. 142)



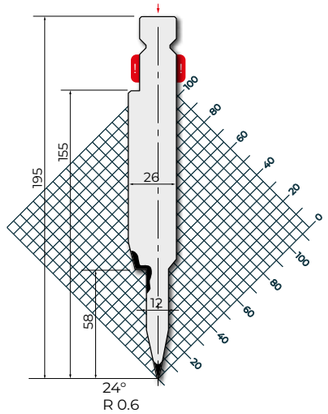
24°

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

TPR.SP.195.24.12

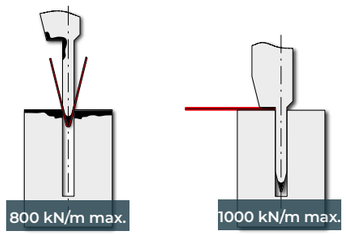
100 mm			3.0 kg
525 mm	€	623,-	16.0 kg
495 mm	€	986,-	9.5 kg F

Zu verwenden mit:
- TPR.SM.195.24.12 (S. 142)



24°

Anwendungsbeispiel



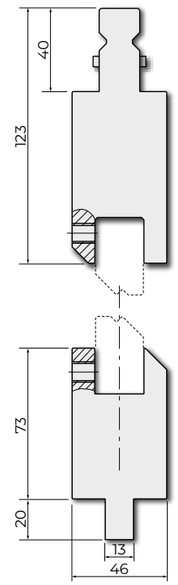
S [mm]	A [mm]	R.420 kN/mm² kN/m	R.700 kN/mm² kN/m
0.6	3.0	90	150
0.8	3.0	120	200
1.0	3.5	150	250
1.25	3.5	170	260

S [mm]	A [mm]	R.420 kN/mm² kN/m	R.700 kN/mm² kN/m
0.6	1.2	230	350
0.8	1.6	320	500
1.0	1.0	400	600
1.25	2.5	500	800

C45: 560-710 N/mm² — 1000 kN/m max.

TPZ

835 mm	€	935,-	46.7 kg
415 mm	€	523,-	23.2 kg



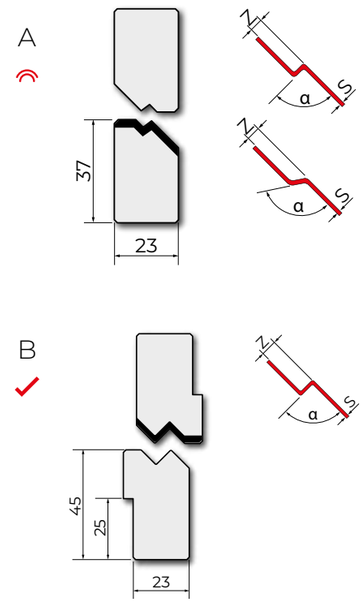
C45: 560-710 N/mm² — 1000 kN/m max.

Z-Werkzeugeinsätze

	Z [mm]	α	S* [mm]					
CEZ 1.0	1.0	160°	1.2	€ 379,-	11.0 kg	€ 232,-	5.5 kg	A
CEZ 1.5	1.5	160°	1.5	€ 379,-	11.0 kg	€ 232,-	5.5 kg	A
CEZ 2.0	2.0	150°	1.4	€ 379,-	11.0 kg	€ 232,-	5.5 kg	A
CEZ 2.5	2.5	140°	1.3	€ 379,-	11.0 kg	€ 232,-	5.5 kg	A
CEZ 1.0/90	1.0	90°	0.3	€ 379,-	11.0 kg	€ 232,-	5.5 kg	A
CEZ 1.5/90	1.5	90°	0.3	€ 379,-	11.0 kg	€ 232,-	5.5 kg	A
CEZ 2.0/90	2.0	90°	0.4	€ 379,-	11.0 kg	€ 232,-	5.5 kg	A
CEZ 2.5/90	2.5	90°	0.5	€ 379,-	11.0 kg	€ 232,-	5.5 kg	A
CEZ 3.0	3.0	90°	1.0	€ 379,-	10.3 kg	€ 232,-	5.1 kg	A
CEZ 3.5	3.5	90°	1.0	€ 379,-	10.0 kg	€ 232,-	5.0 kg	A
CEZ 4.0	4.0	90°	1.2	€ 379,-	10.0 kg	€ 232,-	5.0 kg	A
CEZ 4.5	4.5	90°	1.2	€ 379,-	10.0 kg	€ 232,-	5.0 kg	A
CEZ 5.0	5.0	90°	1.3	€ 379,-	10.0 kg	€ 232,-	5.0 kg	A
CEZ 5.5	5.5	90°	1.4	€ 379,-	10.0 kg	€ 232,-	5.0 kg	A
CEZ 6.0	6.0	90°	1.5	€ 379,-	10.0 kg	€ 232,-	5.0 kg	A
CEZ 6.5	6.5	90°	1.5	€ 379,-	10.0 kg	€ 232,-	5.0 kg	A
CEZ 7.0	7.0	90°	1.5	€ 379,-	10.0 kg	€ 232,-	5.0 kg	A
CEZ 7.5	7.5	90°	1.6	€ 379,-	10.0 kg	€ 232,-	5.0 kg	A
CEZ 8.0	8.0	90°	1.6	€ 379,-	10.0 kg	€ 232,-	5.0 kg	A
CEZ 9.0	9	90°	1.8	€ 421,-	13.5 kg	€ 257,-	6.5 kg	B
CEZ 10.0	10	90°	1.8	€ 421,-	13.5 kg	€ 257,-	5.0 kg	B
CEZ 11.0	11	90°	2	€ 421,-	13.5 kg	€ 257,-	5.0 kg	B
CEZ 12.0	12	90°	2	€ 421,-	13.5 kg	€ 257,-	5.0 kg	B
CEZ 13.0	13	90°	2	€ 421,-	13.5 kg	€ 257,-	5.0 kg	B
CEZ 14.0	14	90°	2	€ 421,-	13.5 kg	€ 257,-	5.0 kg	B
CEZ 15.0	15	90°	2.3	€ 421,-	13.5 kg	€ 257,-	5.0 kg	B

835 mm / 415 mm

* Fe Rmax = 420 N/mm²



Sektioniert — auf Anfrage — Artikel auf Lager — Lieferzeit bitte erfragen

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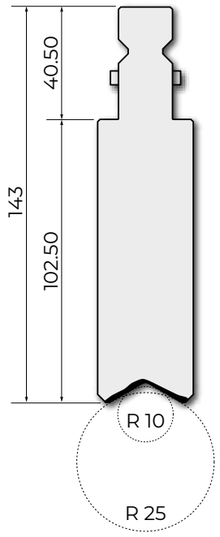
42Cr: 900-1150 N/mm² — 1000 kN/m max.

TPR143.10

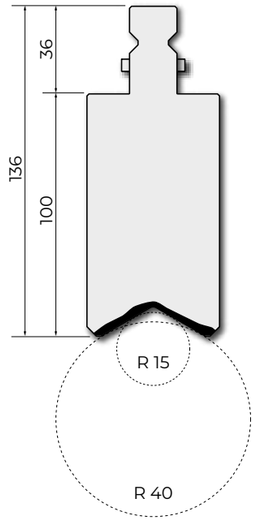
525 mm	€ 292,-	18.0 kg	
495 mm	€ 538,-	17.0 kg	F



42Cr: 900-1150 N/mm² — 1000 kN/m max.

TPR136.15

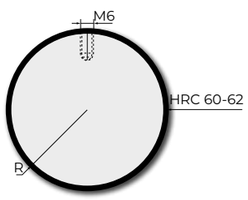
525 mm	€ 611,-	25.0 kg	
495 mm	€ 1.002,-	23.7 kg	F



C53: 610-760 N/mm² — 1000 kN/m max.

Radienwerkzeuge: R10-R40

	R [mm]	525 mm		495 mm	
TOP.C10	10	€ 44,-	1.3 kg	€ 167,-	2.7 kg
TOP.C12.5	12.5	€ 46,-	2.0 kg	€ 225,-	2.8 kg
TOP.C15	15	€ 53,-	3.0 kg	€ 257,-	3.8 kg
TOP.C17.5	17.5	€ 58,-	4.0 kg	€ 265,-	4.7 kg
TOP.C20	20	€ 65,-	5.2 kg	€ 311,-	6.6 kg
TOP.C22.5	22.5	€ 81,-	6.6 kg	€ 363,-	6.6 kg
TOP.C25	25	€ 97,-	8.1 kg	€ 418,-	7.5 kg
TOP.C27.5	27.5	€ 111,-	9.8 kg	€ 477,-	9.2 kg
TOP.C30	30	€ 126,-	11.7 kg	€ 528,-	11.3 kg
TOP.C32.5	32.5	€ 159,-	13.7 kg	€ 593,-	12.9 kg
TOP.C35	35	€ 191,-	16.0 kg	€ 655,-	15.1 kg
TOP.C37.5	37.5	€ 215,-	18.2 kg	€ 688,-	17.2 kg
TOP.C40	40	€ 246,-	20.7 kg	€ 716,-	19.5 kg



Sektioniert — auf Anfrage — Artikel auf Lager — Lieferzeit bitte erfragen

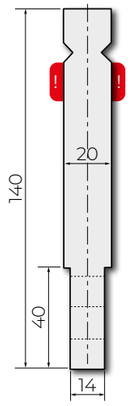
Halter, Radienwerkzeuge und Zudrückwerkzeuge - R2

R2

C45: 560-710 N/mm² — 800 kN/m max.

TPR140-14

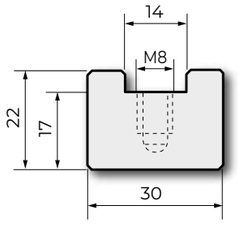
830 mm	€ 294,-	17.0 kg
412 mm	€ 168,-	9.0 kg



C45: 560-710 N/mm² — 800 kN/m max.

E30.22

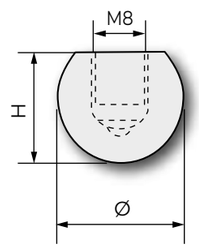
830 mm	€ 93,-	3.5 kg	▸ Zudrückwerkzeug
412 mm	€ 53,-	1.7 kg	

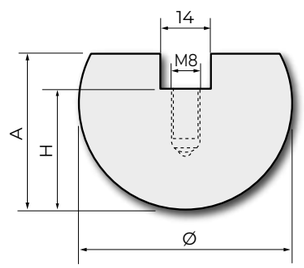


C45: 560-710 N/mm² — 800 kN/m max.

Radienwerkzeuge ø 16 - 100

	Ø [mm]	H [mm]	A [mm]	835 mm		415 mm	
C13.08	16	13	-	€ 64,-	2.0 kg	€ 40,-	1.0 kg
C13.09	18	16	-	€ 64,-	2.0 kg	€ 40,-	1.0 kg
C16.10	20	16	-	€ 55,-	2.0 kg	€ 33,-	1.0 kg
C17.12	25	17	22	€ 89,-	2.5 kg	€ 55,-	1.2 kg
C20.15	30	20	27	€ 79,-	3.7 kg	€ 47,-	1.8 kg
C22.17	35	22	32	€ 113,-	5.0 kg	€ 64,-	2.4 kg
C24.20	40	24	34	€ 96,-	7.0 kg	€ 59,-	3.5 kg
C25.22	45	25	35	€ 100,-	7.5 kg	€ 59,-	3.8 kg
C29.25	50	29	39	€ 104,-	10.0 kg	€ 60,-	4.7 kg
C34.27	55	34	44	€ 113,-	12.4 kg	€ 64,-	6.2 kg
C34.30	60	34	44	€ 126,-	13.5 kg	€ 78,-	6.7 kg
C37.32	65	37	47	€ 189,-	15.9 kg	€ 100,-	7.9 kg
C45.35	70	45	55	€ 254,-	20.3 kg	€ 139,-	10.0 kg
C42.37	75	42	52	€ 273,-	20.5 kg	€ 151,-	10.3 kg
C45.40	80	45	55	€ 291,-	23.0 kg	€ 156,-	11.5 kg
C60.45	90	60	70	€ 352,-	34.0 kg	€ 190,-	17.0 kg
C70.50	100	70	80	€ 371,-	43.5 kg	€ 211,-	21.7 kg





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OBERWERKZEUGE ROLLERI TYP R3

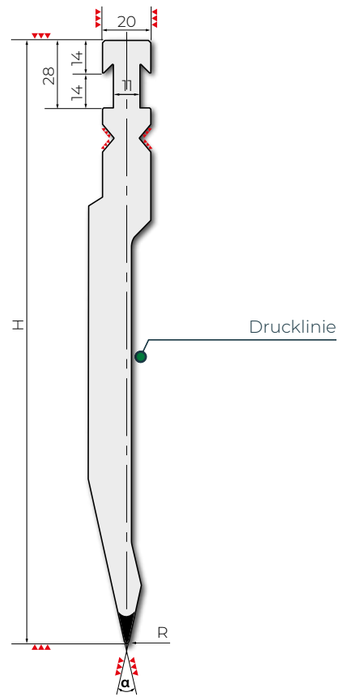
▼ **KOMPATIBILITÄT**

Bystronic Beyeler:
RFA
RF
R
S

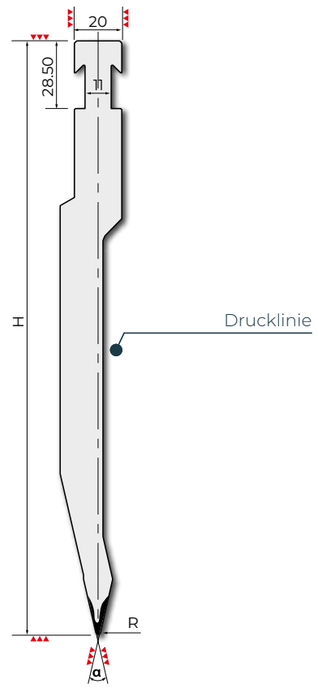
Erläuterungen	104 - 105
Oberwerkzeuge	106 - 115
Bystronic-Beyeler R3 RFA	106 - 108
Zudrückwerkzeuge Bystronic-Beyeler R3 RFA	109
Bystronic-Beyeler R3 RF	110
Bystronic-Beyeler R3 R	111 - 113
Bystronic-Beyeler R3 S	114 - 115
Z-Werkzeuge	116 - 117
Radien - und Zudrückwerkzeuge	118 - 121

AUFNAHME

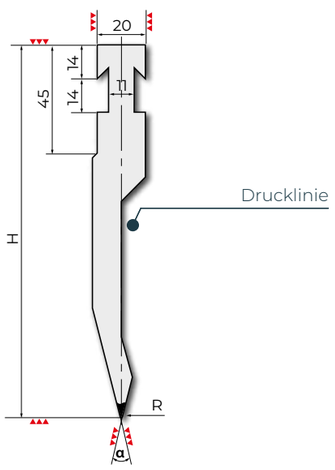
R3 RFA



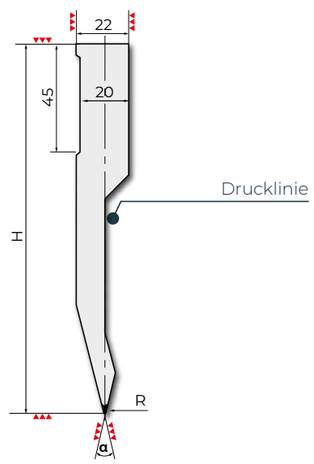
R3 RF

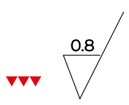


R3 R



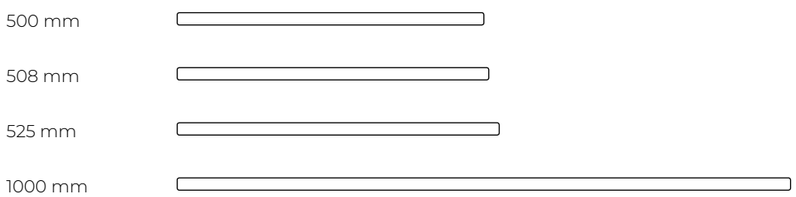
R3 S





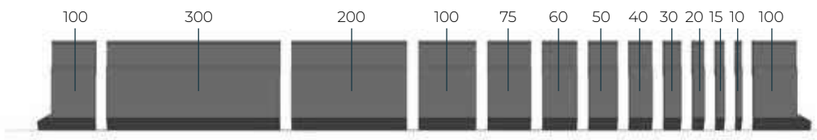
Erläuterungen - R3

WERKZEUGLÄNGEN

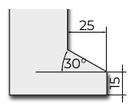


SEKTIONIERUNGEN

F - Oberwerkzeuge BP: 1100 mm - 13 segmente

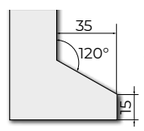


Hornstücke



1

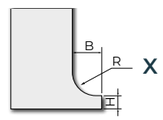
R3 BP



2

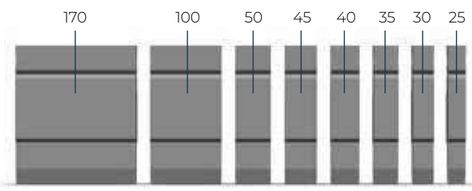
R3 BPR

F - Oberwerkzeuge BPR: 1100 mm - 9 segmente



Fertigung nach Ihren Angaben

F: 495 mm - 8 segmente



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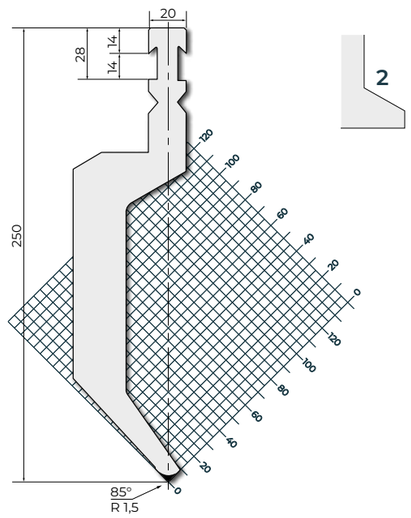
42Cr: 900-1150 N/mm² — 900 kN/m max.

BPR250.P4-RFA

508 mm	€ 909,-	27.4 kg	
1100 mm	€ 2.715,-	59.0 kg	F



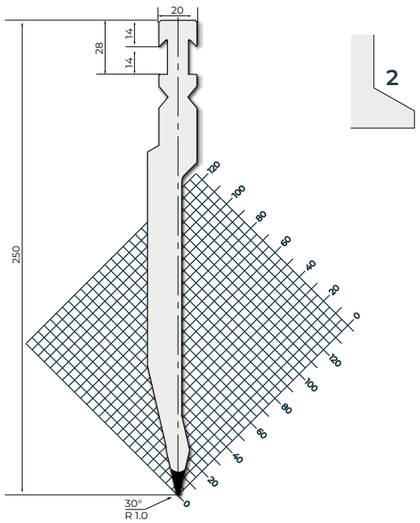
85°

42Cr: 900-1150 N/mm² — 750 kN/m max.

BPR250.P5.30-RFA

508 mm	€ 490,-	13.2 kg	
1100 mm	€ 1.698,-	28.6 kg	F

NEU

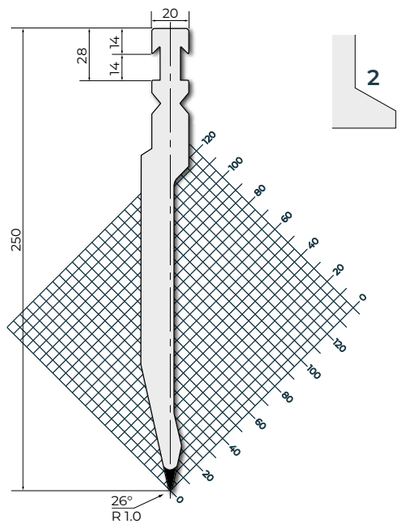


30°

42Cr: 900-1150 N/mm² — 1000 kN/m max.

BPR250.P5-RFA

508 mm	€ 490,-	26.0 kg	
1100 mm	€ 1.698,-	57.0 kg	F



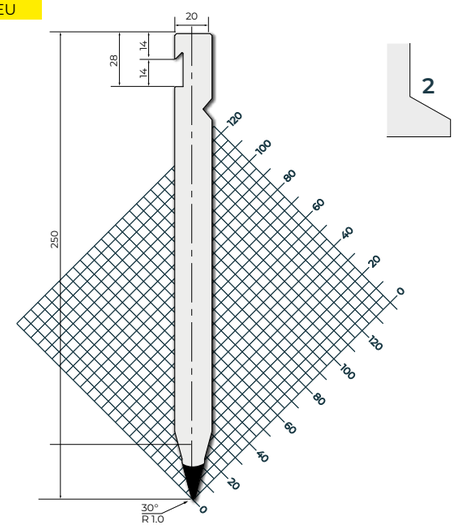
26°

42Cr: 900-1150 N/mm² — 1400 kN/m max.

BPR.250.P6-RFA

508 mm	€ 425,-	17.8 kg	
1100 mm	€ 1.440,-	38.5 kg	F

NEU



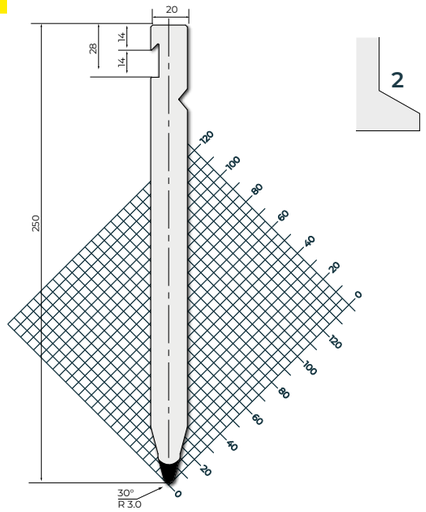
30°

42Cr: 900-1150 N/mm² — 1400 kN/m max.

BPR.250.P7-RFA

508 mm	€ 425,-	18.5 kg	
1100 mm	€ 1.440,-	40.1 kg	F

NEU



30°

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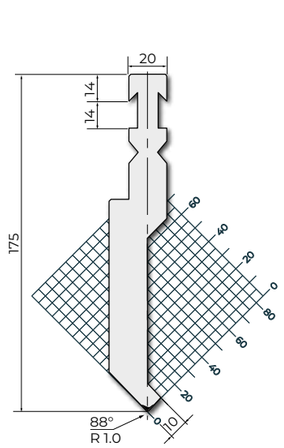
42Cr: 900-1150 N/mm² — 1000 kN/m max.

BP175.88.R1-A-RFA

1000 mm	€ 754,-	23.0 kg	
500 mm	€ 429,-	11.5 kg	
1100 mm	€ 1.184,-	25.3 kg	F

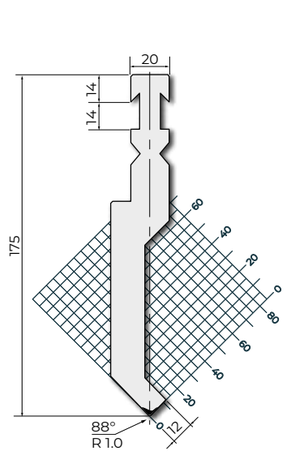


88° ✓

42Cr: 900-1150 N/mm² — 1000 kN/m max.

BP175.88.R1-B-RFA

1000 mm	€ 754,-	23.0 kg	
500 mm	€ 429,-	11.5 kg	
1100 mm	€ 1.184,-	25.3 kg	F

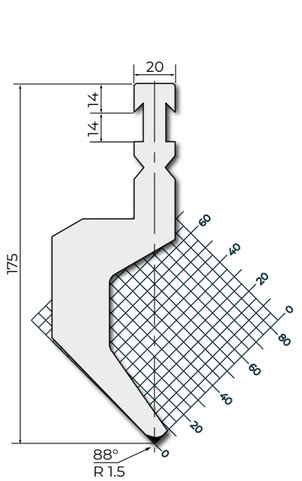


88° ✓

42Cr: 900-1150 N/mm² — 500 kN/m max.

BP175.88.R15-RFA

1000 mm	€ 1.277,-	23.0 kg	
500 mm	€ 705,-	11.5 kg	
1100 mm	€ 1.960,-	23.0 kg	F

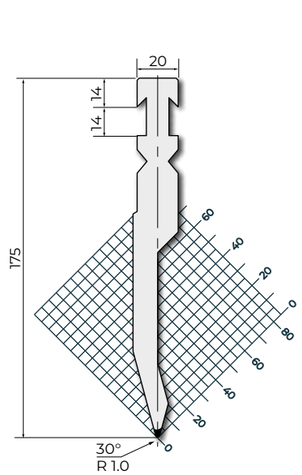


85° ✓

42Cr: 900-1150 N/mm² — 900 kN/m max.

BP175.30.R1-RFA

1000 mm	€ 699,-	16.0 kg	
500 mm	€ 399,-	8.0 kg	
1100 mm	€ 1.098,-	16.0 kg	F



30° ✓

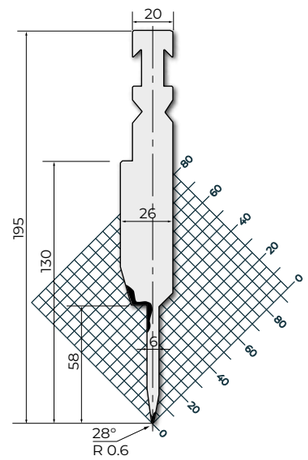
R3

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

BPR.SP-195.28.6

525 mm	€ 642,-	8.7 kg	
495 mm	€ 1.016,-	8.2 kg	F

Zu verwenden mit:
▸ BPR.SM.195.28.6 (S. 142)



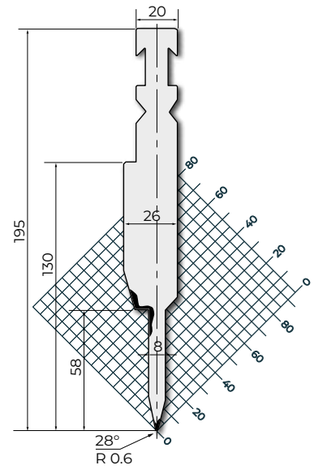
28° ✓

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

BPR.SP-195.28.8

525 mm	€ 642,-	8.7 kg	
495 mm	€ 1.016,-	8.2 kg	F

Zu verwenden mit:
▸ BPR.SM.195.28.8 (S. 142)



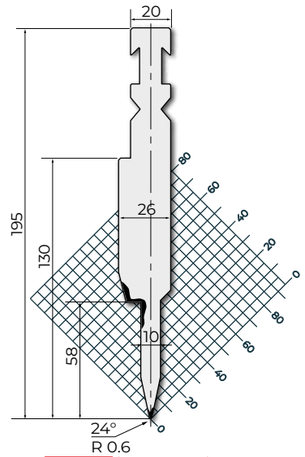
28° ✓

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

BPR.SP-195.24.10

525 mm	€ 642,-	8.7 kg	
495 mm	€ 1.016,-	8.2 kg	F

Zu verwenden mit:
▸ BPR.SM.195.24.10 (S. 142)



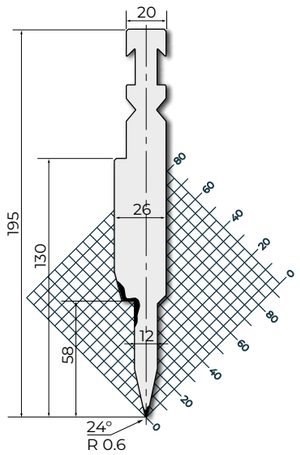
24° ✓

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

BPR.SP-195.24.12

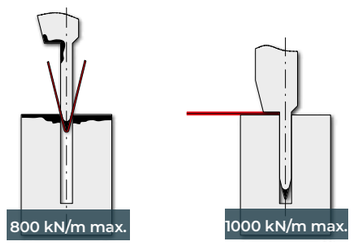
525 mm	€ 642,-	8.7 kg	
495 mm	€ 1.016,-	8.2 kg	F

Zu verwenden mit:
▸ BPR.SM.195.24.12 (S. 142)



24° ✓

Anwendungsbeispiel ▸



S [mm]	A [mm]	R.420 N/mm² kN/m	R.700 N/mm² kN/m
0.6	3.0	90	150
0.8	3.0	120	200
1.0	3.5	150	250
1.25	3.5	170	260

S [mm]	A [mm]	R.420 N/mm² kN/m	R.700 N/mm² kN/m
0.6	1.2	230	350
0.8	1.6	320	500
1.0	1.0	400	600
1.25	2.5	500	800

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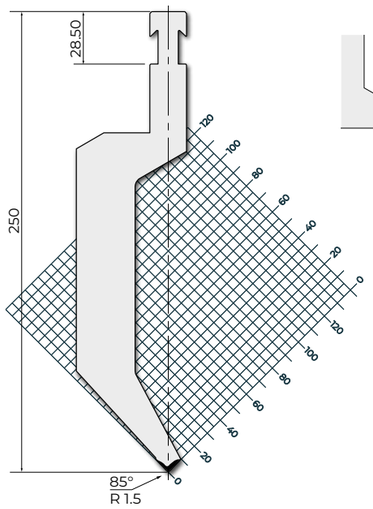
42Cr: 900-1150 N/mm² — 1000 kN/m max.

BPR250.P4-RF

508 mm	€ 862,-	27.6 kg	
1100 mm	€ 2.211,-	51.0 kg	F

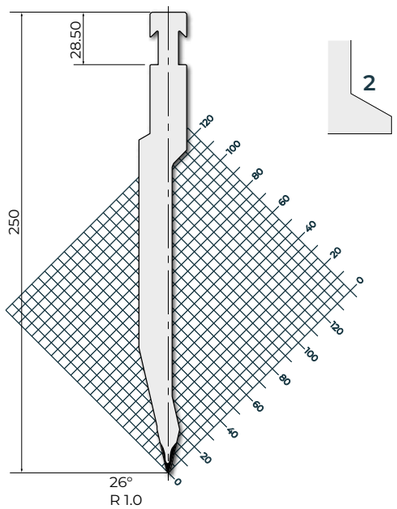


85°

42Cr: 900-1150 N/mm² — 900 kN/m max.

BPR250.P5-RF

508 mm	€ 465,-	16.6 kg	
1100 mm	€ 1.613,-	35.0 kg	F

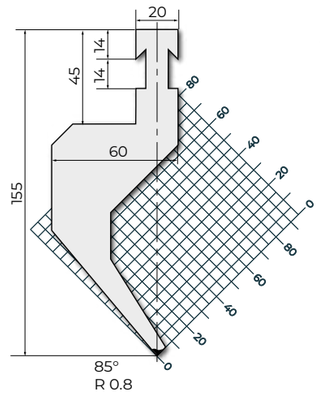


26°

42Cr: 900-1150 N/mm² — 500 kN/m max.

BP155.85.R08-R

1000 mm	€ 1.028,-	22.0 kg	
500 mm	€ 531,-	12.5 kg	
1100 mm	€ 1.766,-	21.5 kg	F

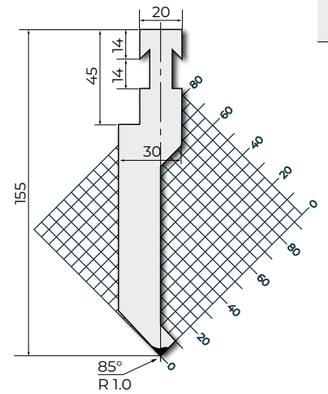


85°

42Cr: 900-1150 N/mm² — 1000 kN/m max.

BP155.85.R1-R

1000 mm	€ 529,-	23.0 kg	
500 mm	€ 305,-	11.5 kg	
1100 mm	€ 1.042,-	23.0 kg	F

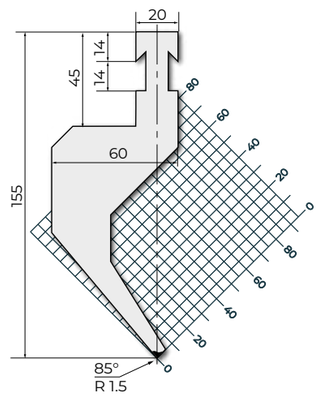


85°

42Cr: 900-1150 N/mm² — 500 kN/m max.

BP155.85.R15-R

1000 mm	€ 1.028,-	32.0 kg	
500 mm	€ 532,-	16.0 kg	
1100 mm	€ 1.768,-	32.0 kg	F

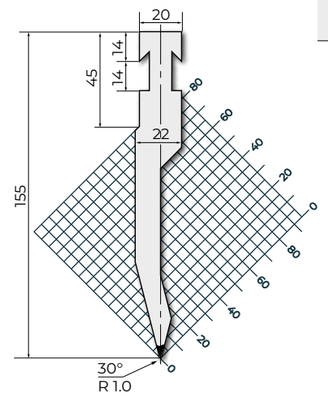


85°

42Cr: 900-1150 N/mm² — 800 kN/m max.

BP155.30.R1-R

1000 mm	€ 446,-	16.0 kg	
500 mm	€ 261,-	8.0 kg	
1100 mm	€ 888,-	18.0 kg	F



30°

R3

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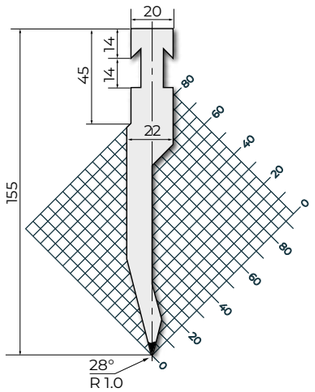
42Cr: 900-1150 N/mm² — 800 kN/m max.

BP155.28.R1-R

1000 mm	€ 455,-	16.0 kg	
500 mm	€ 261,-	8.0 kg	
1100 mm	€ 888,-	17.5 kg	F



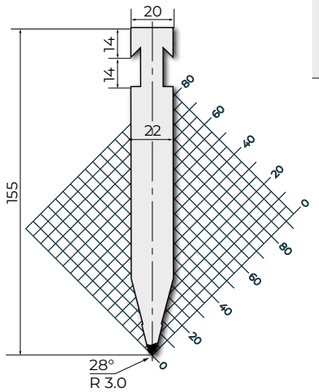
1

28°

42Cr: 900-1150 N/mm² — 1000 kN/m max.

BP155.28.R3-R

1000 mm	€ 455,-	21.0 kg	
500 mm	€ 261,-	11.0 kg	
1100 mm	€ 888,-	23.5 kg	F



1

28°

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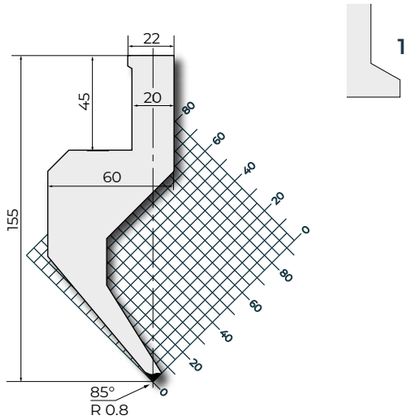
42Cr: 900-1150 N/mm² — 500 kN/m max.

BP155.85.R08-S

1000 mm		16.0 kg
500 mm		8.0 kg
1100 mm		17.5 kg F

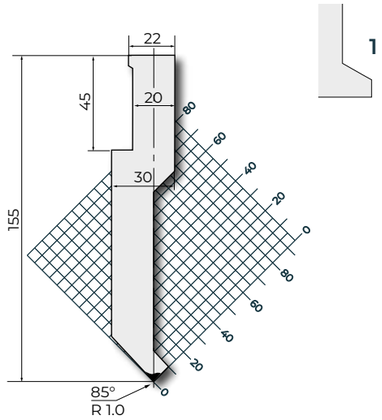


85°

42Cr: 900-1150 N/mm² — 1000 kN/m max.

BP155.85.R1-S

1000 mm		32.0 kg
500 mm		16.0 kg
1100 mm		35.2 kg F

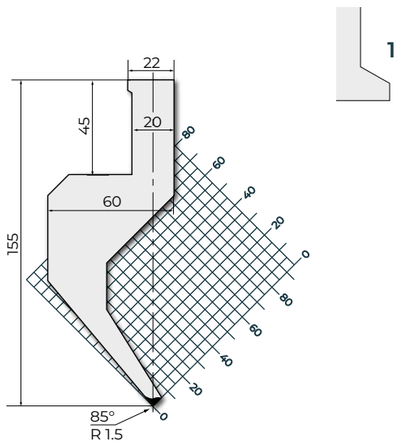


85°

42Cr: 900-1150 N/mm² — 500 kN/m max.

BP155.85.R15-S

1000 mm		32.0 kg
500 mm		16.5 kg
1100 mm		32.0 kg F

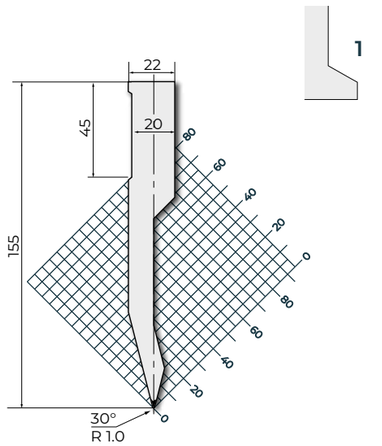


85°

42Cr: 900-1150 N/mm² — 800 kN/m max.

BP155.30.R1-S

1000 mm		17.5 kg
500 mm		9.0 kg
1100 mm		17.5 kg F



30°

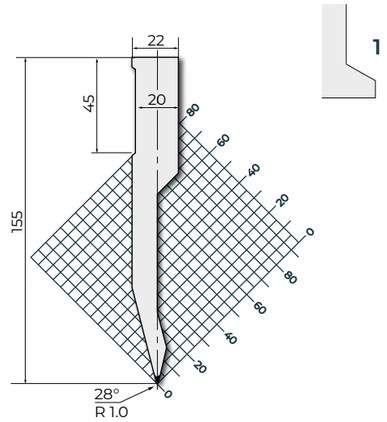
Oberwerkzeuge - Bystronic-Beyeler R3 S

R3

42Cr: 900-1150 N/mm² — 500 kN/m max.

BP155.28.R1-S

1000 mm		16.0 kg
500 mm		8.0 kg
1100 mm		17.5 kg F

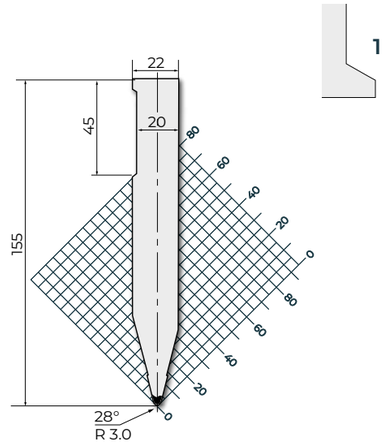


28°

C45: 560-710 N/mm² — 1000 kN/m max.

BP155.28.R3-S

1000 mm		23.5 kg
500 mm		12.0 kg
1100 mm		23.5 kg F



28°

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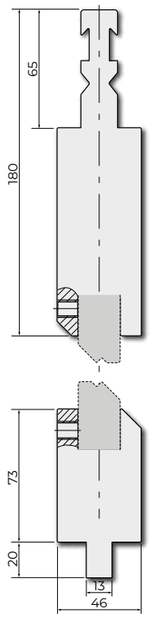
C45: 560-710 N/mm²

1000 kN/m max.

BPZ-RFA

835 mm	€ 876,-	37.5 kg
415 mm	€ 490,-	18.7 kg

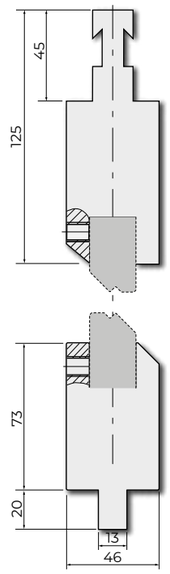


C45: 560-710 N/mm²

1000 kN/m max.

BPZ-R

835 mm	€ 704,-	24.7 kg
415 mm	€ 379,-	12.3 kg

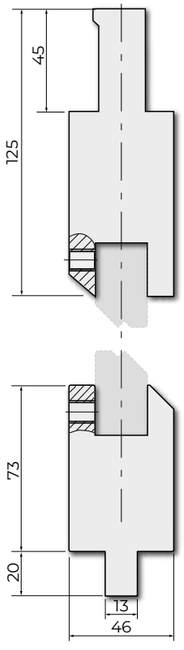


C45: 560-710 N/mm²

1000 kN/m max.

BPZ-S

835 mm	€ 525,-	37.5 kg
415 mm	€ 295,-	18.5 kg



C45: 560-710 N/mm²

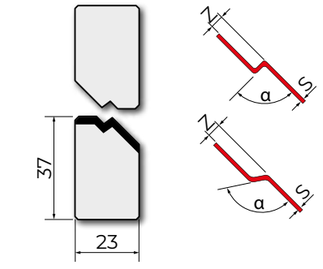
1000 kN/m max.

Z-Werkzeugeinsätze

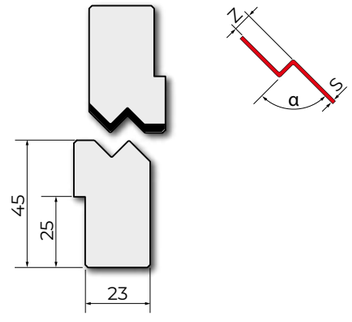
	Z [mm]	α	S* [mm]						
CEZ 1.0	1.0	160°	1.2	835 mm	€ 379,-	11.0 kg	415 mm	€ 232,-	5.5 kg	A
CEZ 1.5	1.5	160°	1.5		€ 379,-	11.0 kg		€ 232,-	5.5 kg	A
CEZ 2.0	2.0	150°	1.4		€ 379,-	11.0 kg		€ 232,-	5.5 kg	A
CEZ 2.5	2.5	140°	1.3		€ 379,-	11.0 kg		€ 232,-	5.5 kg	A
CEZ 1.0/90	1.0	90°	0.3		€ 379,-	11.0 kg		€ 232,-	5.5 kg	A
CEZ 1.5/90	1.5	90°	0.3		€ 379,-	11.0 kg		€ 232,-	5.5 kg	A
CEZ 2.0/90	2.0	90°	0.4		€ 379,-	11.0 kg		€ 232,-	5.5 kg	A
CEZ 2.5/90	2.5	90°	0.5		€ 379,-	11.0 kg		€ 232,-	5.5 kg	A
CEZ 3.0	3.0	90°	1.0		€ 379,-	10.3 kg		€ 232,-	5.1 kg	A
CEZ 3.5	3.5	90°	1.0		€ 379,-	10.0 kg		€ 232,-	5.0 kg	A
CEZ 4.0	4.0	90°	1.2		€ 379,-	10.0 kg		€ 232,-	5.0 kg	A
CEZ 4.5	4.5	90°	1.2		€ 379,-	10.0 kg		€ 232,-	5.0 kg	A
CEZ 5.0	5.0	90°	1.3		€ 379,-	10.0 kg		€ 232,-	5.0 kg	A
CEZ 5.5	5.5	90°	1.4		€ 379,-	10.0 kg		€ 232,-	5.0 kg	A
CEZ 6.0	6.0	90°	1.5		€ 379,-	10.0 kg		€ 232,-	5.0 kg	A
CEZ 6.5	6.5	90°	1.5		€ 379,-	10.0 kg		€ 232,-	5.0 kg	A
CEZ 7.0	7.0	90°	1.5		€ 379,-	10.0 kg		€ 232,-	5.0 kg	A
CEZ 7.5	7.5	90°	1.6		€ 379,-	10.0 kg		€ 232,-	5.0 kg	A
CEZ 8.0	8.0	90°	1.6		€ 379,-	10.0 kg		€ 232,-	5.0 kg	A
CEZ 9.0	9	90°	1.8		€ 421,-	13.5 kg		€ 257,-	6.5 kg	B
CEZ 10.0	10	90°	1.8		€ 421,-	13.5 kg		€ 257,-	5.0 kg	B
CEZ 11.0	11	90°	2		€ 421,-	13.5 kg		€ 257,-	5.0 kg	B
CEZ 12.0	12	90°	2		€ 421,-	13.5 kg		€ 257,-	5.0 kg	B
CEZ 13.0	13	90°	2		€ 421,-	13.5 kg		€ 257,-	5.0 kg	B
CEZ 14.0	14	90°	2		€ 421,-	13.5 kg		€ 257,-	5.0 kg	B
CEZ 15.0	15	90°	2.3		€ 421,-	13.5 kg		€ 257,-	5.0 kg	B

* Fe Rmax = 420 N/mm²

A



B



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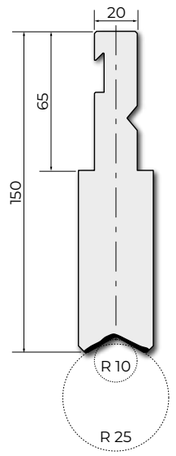
42Cr: 900-1150 N/mm² — 1000 kN/m max.

BPR150.P10.10-RFA

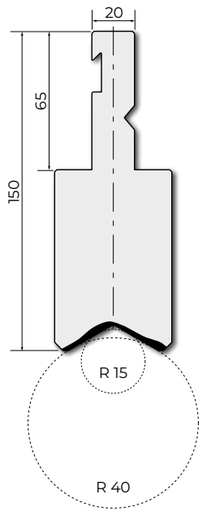
522 mm	€ 452,-	16.5 kg
495 mm	€ 832,-	16.0 kg



42Cr: 900-1150 N/mm² — 1000 kN/m max.

BPR150.P10.15-RFA

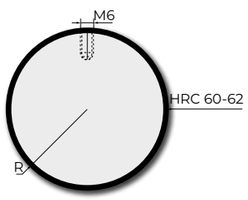
522 mm	€ 630,-	23.0 kg
495 mm	€ 1.032,-	21.7 kg



C53: 610-760 N/mm² — 1000 kN/m max.

Radienwerkzeuge: R08-R40

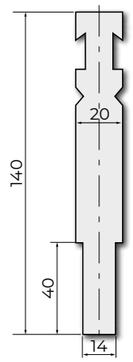
	R [mm]	525 mm		495 mm	
TOP.C08	8	€ 40,-	0,8 kg	€ 164,-	1,9 kg
TOP.C10	10	€ 44,-	1,3 kg	€ 167,-	2,7 kg
TOP.C12.5	12.5	€ 46,-	2,0 kg	€ 225,-	2,8 kg
TOP.C15	15	€ 53,-	3,0 kg	€ 257,-	3,8 kg
TOP.C17.5	17.5	€ 58,-	4,0 kg	€ 265,-	4,7 kg
TOP.C20	20	€ 65,-	5,2 kg	€ 311,-	6,6 kg
TOP.C22.5	22.5	€ 77,-	6,6 kg	€ 346,-	6,6 kg
TOP.C25	25	€ 97,-	8,1 kg	€ 418,-	7,5 kg
TOP.C27.5	27.5	€ 111,-	9,8 kg	€ 477,-	9,2 kg
TOP.C30	30	€ 126,-	11,7 kg	€ 528,-	11,3 kg
TOP.C32.5	32.5	€ 159,-	13,7 kg	€ 593,-	12,9 kg
TOP.C35	35	€ 191,-	16,0 kg	€ 655,-	15,1 kg
TOP.C37.5	37.5	€ 215,-	18,2 kg	€ 688,-	17,2 kg
TOP.C40	40	€ 246,-	20,7 kg	€ 716,-	19,5 kg



C45: 560-710 N/mm² — 800 kN/m max.

BPU-RFA

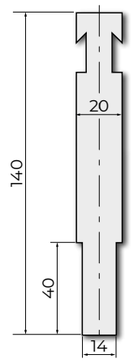
830 mm	€ 319,-	15.3 kg
410 mm	€ 188,-	7.6 kg



C45: 560-710 N/mm² — 800 kN/m max.

BPU-R

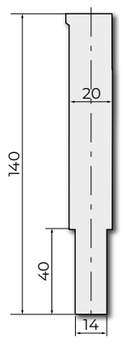
830 mm	€ 249,-	15.8 kg
410 mm	€ 152,-	7.8 kg



C45: 560-710 N/mm² — 800 kN/m max.

BPU-S

830 mm	€ 247,-	16.8 kg
410 mm	€ 150,-	8.3 kg



R3

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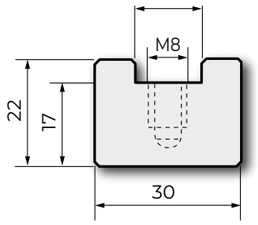
C45: 560-710 N/mm²

800 kN/m max.

E30.22

830 mm	€	97,-	3.5 kg	▸ Zudrückwerkzeuge
412 mm	€	55,-	1.7 kg	

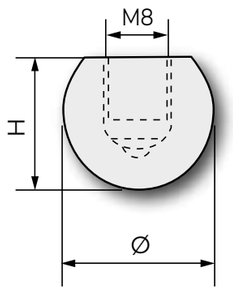


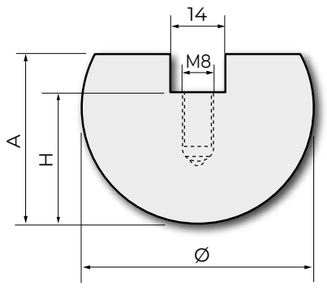
C45: 560-710 N/mm²

800 kN/m max.

Radienwerkzeuge: ø 16 - 100

	ø [mm]	H [mm]	A [mm]	835 mm		415 mm	
C13.08	16	13	-	€ 64,-	2.0 kg	€ 40,-	1.0 kg
C13.09	18	16	-	€ 64,-	2.0 kg	€ 40,-	1.0 kg
C16.10	20	16	-	€ 55,-	2.0 kg	€ 33,-	1.0 kg
C17.12	25	17	22	€ 89,-	2.5 kg	€ 55,-	1.2 kg
C20.15	30	20	27	€ 79,-	3.7 kg	€ 47,-	1.8 kg
C22.17	35	22	32	€ 113,-	5.0 kg	€ 64,-	2.4 kg
C24.20	40	24	34	€ 96,-	7.0 kg	€ 59,-	3.5 kg
C25.22	45	25	35	€ 100,-	7.5 kg	€ 59,-	3.8 kg
C29.25	50	29	39	€ 104,-	10.0 kg	€ 60,-	4.7 kg
C34.27	55	34	44	€ 113,-	12.4 kg	€ 64,-	6.2 kg
C34.30	60	34	44	€ 126,-	13.5 kg	€ 78,-	6.7 kg
C37.32	65	37	47	€ 189,-	15.9 kg	€ 100,-	7.9 kg
C45.35	70	45	55	€ 254,-	20.3 kg	€ 139,-	10.0 kg
C42.37	75	42	52	€ 273,-	20.5 kg	€ 151,-	10.3 kg
C45.40	80	45	55	€ 291,-	23.0 kg	€ 156,-	11.5 kg
C60.45	90	60	70	€ 352,-	34.0 kg	€ 190,-	17.0 kg
C70.50	100	70	80	€ 371,-	43.5 kg	€ 211,-	21.7 kg





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MATRIZEN ROLLERI TYP R2-R3

▼ **KOMPATIBILITÄT**

Bystronic Beyeler
Darley
Safan
SMD
Trumpf
Abkantpressen mit dem System NSCR

Erläuterungen	124 - 125
Matrizen	126 -141
90°, H=55 mm	126
88°, H=55 mm	126 - 127
85°, H=55 mm	127 - 128
80°, H=55 mm	128 - 129
60°, H=55 mm	130
30°, H=55 mm	130 - 131
90°, H=100 mm	132
86°, H=100 mm	132 - 133
84°, H=100 mm	133 - 134
80°, H=100 mm	134 - 135
60°, H=120 mm	135
30°, H=100 mm	136 - 137
86°, H=150 mm	138
84°, H=150 mm	138 - 139
80°, H=150 mm	139 - 140
30°, H=150 mm	140 - 141
Zudrückmatrizen	142
Zudrückmatrizen für beweglichen Pressentisch	143

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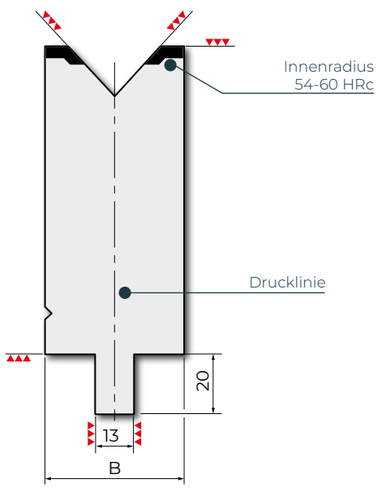
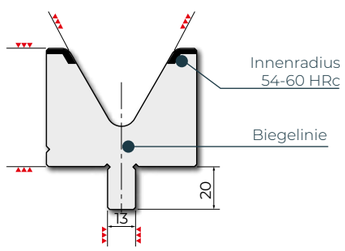
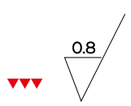
AUFNAHME



Alle Matrizen Rolleri Typ R2 sind standardmäßig mit einer 13 x 20 mm Aufnahme versehen.

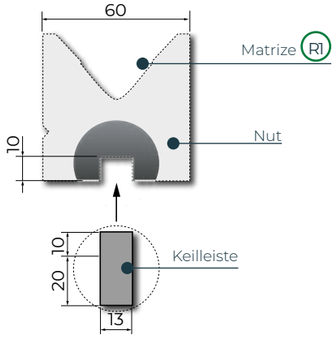




MODIFIKATION KEILLEISTE

Um auch Matrizen Rolleri Typ R1 nutzen zu können, wird eine 10 mm Nut eingefräst und eine geschliffene Keilleiste in 13 x 30 mm eingesetzt.

A30 [Montagebeispiel]



WERKZEUGLÄNGEN

100 mm

500 mm

515 mm

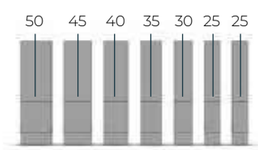
525 mm

1000 mm

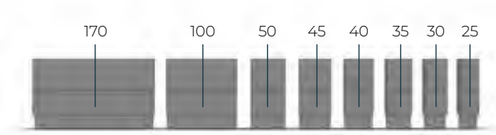
Erläuterungen - R2 R3

SEKTIONIERUNGEN

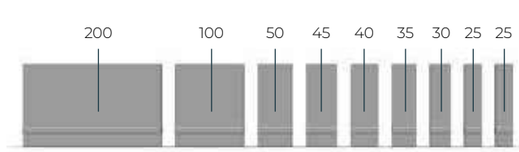
FC: 250 mm - 7 Segmente



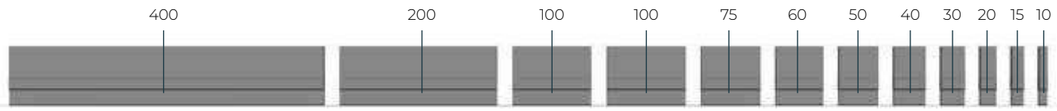
F: 495 mm - 8 Segmente



FW: 550 mm - 9 Segmente



F: 1100 mm - 12 Segmente



FA: 1250-2050-2550-3050-4050 mm

Länge [mm]	25	30	35	40	45	50	100
1250	2	1	1	1	1	1	10
2050	2	1	1	1	1	1	18
2550	2	1	1	1	1	1	23
3050	2	1	1	1	1	1	28
4050	2	1	1	1	1	1	38

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FB: 1250-2050-2550-3050-4050 mm

Länge [mm]	25	30	35	40	45	50	100	200	300	500
1250	2	1	1	1	1	1	3	2	1	0
2050	2	1	1	1	1	1	3	1	1	2
2550	2	1	1	1	1	1	3	1	1	3
3050	2	1	1	1	1	1	3	1	1	4
4050	2	1	1	1	1	1	3	1	1	6

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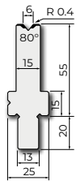
42Cr: 900-1150 N/mm² — 1150 kN/m max.

BMR55.06.90

1000 mm	€ 278,-	8.5 kg	
500 mm	€ 148,-	4.2 kg	
1100 mm	€ 458,-	8.5 kg	F

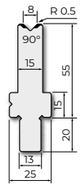


90° ✓

42Cr: 900-1150 N/mm² — 1100 kN/m max.

BMR55.08.90

1000 mm	€ 278,-	9.0 kg	
500 mm	€ 148,-	4.5 kg	
1100 mm	€ 458,-	8.5 kg	F

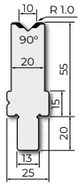


90° ✓

42Cr: 900-1150 N/mm² — 1100 kN/m max.

BMR55.10.90

1000 mm	€ 263,-	10.5 kg	
500 mm	€ 141,-	5.2 kg	
1100 mm	€ 503,-	10.0 kg	F

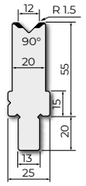


90° ✓

42Cr: 900-1150 N/mm² — 1200 kN/m max.

BMR55.12.90

1000 mm	€ 263,-	10.5 kg	
500 mm	€ 141,-	5.2 kg	
1100 mm	€ 454,-	10.0 kg	F

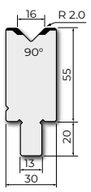


90° ✓

42Cr: 900-1150 N/mm² — 1200 kN/m max.

BMR55.16.90

1000 mm	€ 292,-	14.5 kg	
500 mm	€ 148,-	7.2 kg	
1100 mm	€ 503,-	14.0 kg	F

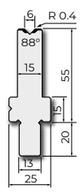


90° ✓

42Cr: 900-1150 N/mm² — 1150 kN/m max.

BMR55.06.88

1000 mm	€ 278,-	8.5 kg	
500 mm	€ 148,-	4.2 kg	
1100 mm	€ 458,-	8.5 kg	F

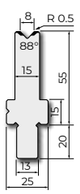


88° ((·))

42Cr: 900-1150 N/mm² — 1100 kN/m max.

BMR55.08.88

1000 mm	€ 278,-	9.0 kg	
500 mm	€ 148,-	4.2 kg	
1100 mm	€ 458,-	8.5 kg	F

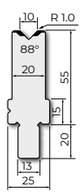


88° ((·))

42Cr: 900-1150 N/mm² — 1100 kN/m max.

BMR55.10.88

1000 mm	€ 263,-	11.0 kg	
500 mm	€ 141,-	5.0 kg	
1100 mm	€ 454,-	12.0 kg	F



88° ✓

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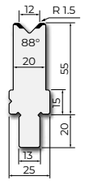
42Cr: 900-1150 N/mm² — 1200 kN/m max.

BMR55.12.88

1000 mm	€ 263,-	10.5 kg	
500 mm	€ 141,-	5.2 kg	
1100 mm	€ 454,-	10.0 kg	F

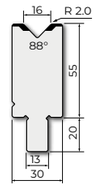


88° ✓

42Cr: 900-1150 N/mm² — 1200 kN/m max.

BMR55.16.88

1000 mm	€ 292,-	14.5 kg	
500 mm	€ 148,-	7.2 kg	
1100 mm	€ 503,-	14.0 kg	F

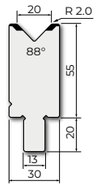


88° ✓

42Cr: 900-1150 N/mm² — 1100 kN/m max.

BMR55.20.88

1000 mm	€ 302,-	14.5 kg	
500 mm	€ 153,-	7.2 kg	
1100 mm	€ 517,-	14.0 kg	F

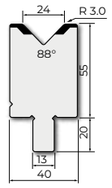


88° ✓

42Cr: 900-1150 N/mm² — 1200 kN/m max.

BMR55.24.88

1000 mm	€ 351,-	18.5 kg	
500 mm	€ 200,-	9.2 kg	
1100 mm	€ 575,-	18.0 kg	F

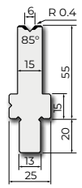


88° ✓

42Cr: 900-1150 N/mm² — 1150 kN/m max.

BMR55.06.85

1000 mm	€ 278,-	8.5 kg	
500 mm	€ 148,-	4.2 kg	
1100 mm	€ 458,-	8.5 kg	F

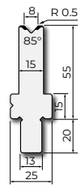


85° ((·))

42Cr: 900-1150 N/mm² — 1100 kN/m max.

BMR55.08.85

1000 mm	€ 278,-	9.0 kg	
500 mm	€ 148,-	4.5 kg	
1100 mm	€ 458,-	8.5 kg	F

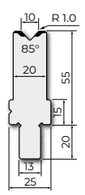


85° ✓

42Cr: 900-1150 N/mm² — 1100 kN/m max.

BMR55.10.85

1000 mm	€ 263,-	11.0 kg	
500 mm	€ 141,-	5.0 kg	
1100 mm	€ 454,-	12.0 kg	F

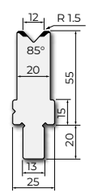


85° ((·))

42Cr: 900-1150 N/mm² — 1200 kN/m max.

BMR55.12.85

1000 mm	€ 263,-	10.5 kg	
500 mm	€ 141,-	5.2 kg	
1100 mm	€ 454,-	10.0 kg	F



85° ((·))

R2
R3

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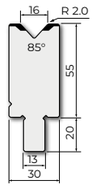
42Cr: 900-1150 N/mm² — 1200 kN/m max.

BMR55.16.85

1000 mm	€ 292,-	14.5 kg	
500 mm	€ 148,-	7.2 kg	
1100 mm	€ 503,-	14.0 kg	F

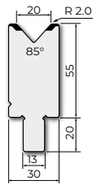


85°

42Cr: 900-1150 N/mm² — 1100 kN/m max.

BMR55.20.85

1000 mm	€ 302,-	14.5 kg	
500 mm	€ 153,-	7.2 kg	
1100 mm	€ 517,-	14.0 kg	F

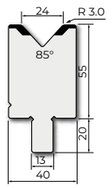


85°

42Cr: 900-1150 N/mm² — 1200 kN/m max.

BMR55.24.85

1000 mm	€ 351,-	18.5 kg	
500 mm	€ 200,-	9.2 kg	
1100 mm	€ 575,-	18.0 kg	F

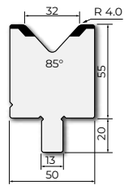


85°

42Cr: 900-1150 N/mm² — 1200 kN/m max.

BMR55.32.85

1000 mm	€ 404,-	21.0 kg	
500 mm	€ 225,-	10.5 kg	
1100 mm	€ 629,-	20.5 kg	F

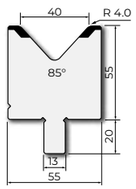


85°

42Cr: 900-1150 N/mm² — 1200 kN/m max.

BMR55.40.85

1000 mm	€ 422,-	21.5 kg	
500 mm	€ 239,-	10.7 kg	
1100 mm	€ 666,-	25.0 kg	F

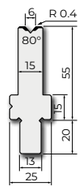


85°

42Cr: 900-1150 N/mm² — 1150 kN/m max.

BMR55.06.80

1000 mm	€ 278,-	8.5 kg	
500 mm	€ 148,-	4.2 kg	
1100 mm	€ 458,-	8.5 kg	F

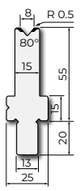


80°

42Cr: 900-1150 N/mm² — 1100 kN/m max.

BMR55.08.80

1000 mm	€ 278,-	9.0 kg	
500 mm	€ 148,-	4.5 kg	
1100 mm	€ 458,-	8.5 kg	F

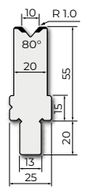


80°

42Cr: 900-1150 N/mm² — 1100 kN/m max.

BMR55.10.80

1000 mm	€ 263,-	11.0 kg	
500 mm	€ 141,-	5.0 kg	
1100 mm	€ 454,-	12.0 kg	F



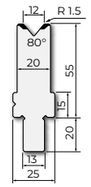
80°

Matrizen - R2 R3

42Cr: 900-1150 N/mm² — 1200 kN/m max.

BMR55.12.80

1000 mm	€ 263,-	10.5 kg	
500 mm	€ 141,-	5.2 kg	
1100 mm	€ 454,-	10.0 kg	F

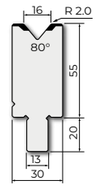


80°

42Cr: 900-1150 N/mm² — 1200 kN/m max.

BMR55.16.80

1000 mm	€ 292,-	14.5 kg	
500 mm	€ 148,-	7.2 kg	
1100 mm	€ 503,-	14.0 kg	F

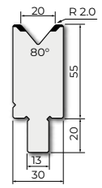


80°

42Cr: 900-1150 N/mm² — 1100 kN/m max.

BMR55.20.80

1000 mm	€ 302,-	14.5 kg	
500 mm	€ 153,-	7.2 kg	
1100 mm	€ 517,-	14.0 kg	F

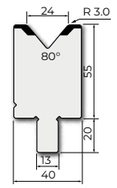


80°

42Cr: 900-1150 N/mm² — 1200 kN/m max.

BMR55.24.80

1000 mm	€ 351,-	18.5 kg	
500 mm	€ 200,-	9.2 kg	
1100 mm	€ 575,-	18.0 kg	F

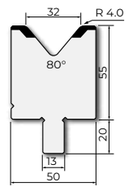


80°

42Cr: 900-1150 N/mm² — 1200 kN/m max.

BMR55.32.80

1000 mm	€ 404,-	21.0 kg	
500 mm	€ 225,-	10.5 kg	
1100 mm	€ 629,-	20.5 kg	F

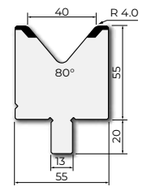


80°

42Cr: 900-1150 N/mm² — 1200 kN/m max.

BMR55.40.80

1000 mm	€ 422,-	21.5 kg	
500 mm	€ 239,-	10.7 kg	
1100 mm	€ 666,-	25.0 kg	F

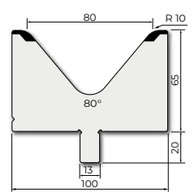


80°

42Cr: 900-1150 N/mm² — 1700 kN/m max.

BMR65.80.80

1000 mm	€ 928,-	39.0 kg	
500 mm	€ 520,-	20.0 kg	
1100 mm	€ 1.456,-	43.0 kg	F

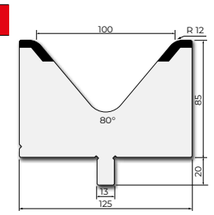


80°

42Cr: 900-1150 N/mm² — 2300 kN/m max.

BMR85.100.80

1000 mm	€ 1.098,-	62.0 kg	
500 mm	€ 615,-	31.0 kg	
1100 mm	€ 1.724,-	69.0 kg	F



80°

R2
R3

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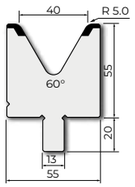
42Cr: 900-1150 N/mm² — 1300 kN/m max.

BMR55.40.60

1000 mm	€ 572,-	20.3 kg	
500 mm	€ 321,-	10.5 kg	
1100 mm	€ 899,-	22.3 kg	F

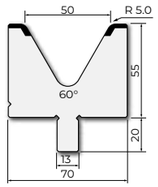


60°

42Cr: 900-1150 N/mm² — 1200 kN/m max.

BMR55.50.60

1000 mm	€ 668,-	24.0 kg	
500 mm	€ 375,-	12.0 kg	
1100 mm	€ 1.047,-	21.0 kg	F

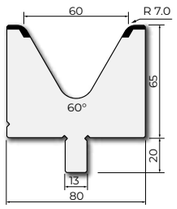


60°

42Cr: 900-1150 N/mm² — 1100 kN/m max.

BMR65.60.60

1000 mm	€ 769,-	31.0 kg	
500 mm	€ 431,-	15.5 kg	
1100 mm	€ 1.204,-	34.1 kg	F

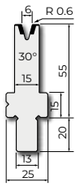


60°

42Cr: 900-1150 N/mm² — 350 kN/m max.

BMR55.06.30

1000 mm	€ 338,-	8.0 kg	
500 mm	€ 185,-	4.0 kg	
1100 mm	€ 530,-	9.0 kg	F

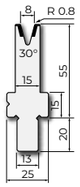


30°

42Cr: 900-1150 N/mm² — 200 kN/m max.

BMR55.08.30

1000 mm	€ 338,-	9.2 kg	
500 mm	€ 185,-	4.0 kg	
1100 mm	€ 530,-	10.1 kg	F

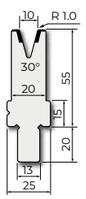


30°

42Cr: 900-1150 N/mm² — 350 kN/m max.

BMR55.10.30

1000 mm	€ 315,-	10.0 kg	
500 mm	€ 176,-	5.0 kg	
1100 mm	€ 517,-	11.0 kg	F

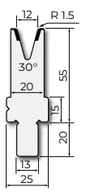


30°

42Cr: 900-1150 N/mm² — 300 kN/m max.

BMR55.12.30

1000 mm	€ 315,-	10.0 kg	
500 mm	€ 176,-	5.0 kg	
1100 mm	€ 517,-	11.0 kg	F



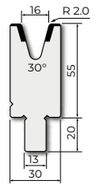
30°

Matrizen - R2 R3

42Cr: 900-1150 N/mm² — 450 kN/m max.

BMR55.16.30

1000 mm	€ 351,-	13.5 kg	
500 mm	€ 180,-	6.7 kg	
1100 mm	€ 570,-	14.9 kg	F

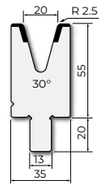


30°

42Cr: 900-1150 N/mm² — 500 kN/m max.

BMR55.20.30

1000 mm	€ 365,-	14.0 kg	
500 mm	€ 194,-	7.0 kg	
1100 mm	€ 603,-	13.5 kg	F

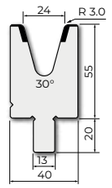


30°

42Cr: 900-1150 N/mm² — 550 kN/m max.

BMR55.24.30

1000 mm	€ 381,-	15.5 kg	
500 mm	€ 221,-	7.8 kg	
1100 mm	€ 620,-	17.0 kg	F

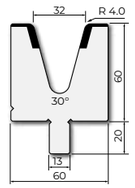


30°

42Cr: 900-1150 N/mm² — 650 kN/m max.

BMR60.32.30

1000 mm	€ 530,-	23.0 kg	
500 mm	€ 306,-	11.5 kg	
1100 mm	€ 822,-	22.5 kg	F

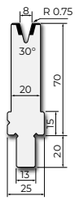


30°

42Cr: 900-1150 N/mm² — 200 kN/m max.

BMR70.08.30

1000 mm	€ 338,-	13.1 kg	
500 mm	€ 192,-	6.5 kg	
1100 mm	€ 597,-	14.0 kg	F

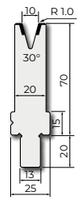


30°

42Cr: 900-1150 N/mm² — 350 kN/m max.

BMR70.10.30

1000 mm	€ 338,-	12.8 kg	
500 mm	€ 192,-	6.4 kg	
1100 mm	€ 597,-	12.4 kg	F

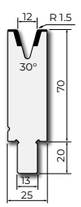


30°

42Cr: 900-1150 N/mm² — 300 kN/m max.

BMR70.12.30

1000 mm	€ 338,-	14.7 kg	
500 mm	€ 192,-	7.3 kg	
1100 mm	€ 597,-	14.3 kg	F

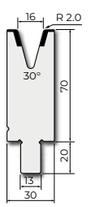


30°

42Cr: 900-1150 N/mm² — 450 kN/m max.

BMR70.16.30

1000 mm	€ 338,-	16.7 kg	
500 mm	€ 192,-	8.3 kg	
1100 mm	€ 597,-	16.2 kg	F



30°

R2
R3

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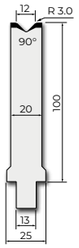
42Cr: 900-1150 N/mm² — 1200 kN/m max.

WMR100.12.90

100 mm		1.7 kg	
515 mm	€ 248,-	9.0 kg	
550 mm	€ 445,-	9.6 kg	FW

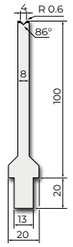


90° ✓

42Cr: 900-1150 N/mm² — 250 kN/m max.

TMR100.04.86

100 mm		1.0 kg	
500 mm	€ 261,-	4.8 kg	
250 mm	€ 261,-	2.4 kg	FC
550 mm	€ 513,-	5.2 kg	FW

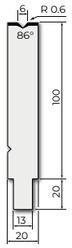


86°

42Cr: 900-1150 N/mm² — 1200 kN/m max.

TMR100.06.86

100 mm		1.8 kg	
500 mm	€ 206,-	8.9 kg	
250 mm	€ 206,-	4.4 kg	FC
550 mm	€ 403,-	8.9 kg	FW

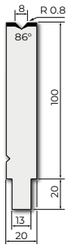


86° ✓

42Cr: 900-1150 N/mm² — 1150 kN/m max.

TMR100.08.86

100 mm		1.8 kg	
500 mm	€ 206,-	8.8 kg	
250 mm	€ 206,-	4.4 kg	FC
550 mm	€ 403,-	9.6 kg	FW

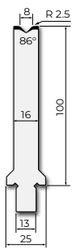


86° ✓

42Cr: 900-1150 N/mm² — 400 kN/m max.

WMR100.08.86

100 mm		1.5 kg	
515 mm	€ 224,-	7.7 kg	
550 mm	€ 421,-	8.2 kg	FW



86°

42Cr: 900-1150 N/mm² — 1100 kN/m max.

TMR100.10.86

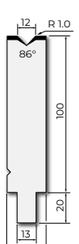
100 mm		1.8 kg	
500 mm	€ 222,-	8.8 kg	
250 mm	€ 222,-	4.4 kg	FC
550 mm	€ 436,-	9.6 kg	FW

86° ✓

42Cr: 900-1150 N/mm² — 1200 kN/m max.

TMR100.12.86

100 mm		2.1 kg	
500 mm	€ 228,-	10.7 kg	
250 mm	€ 228,-	5.0 kg	FC
550 mm	€ 446,-	11.7 kg	FW

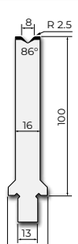


86° ✓

42Cr: 900-1150 N/mm² — 1200 kN/m max.

WMR100.12.86

100 mm		1.7 kg	
515 mm	€ 248,-	9.0 kg	
550 mm	€ 445,-	9.6 kg	FW



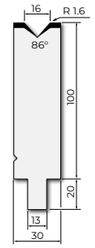
86°

Sektioniert — auf Anfrage — ✓ Artikel auf Lager — Lieferzeit bitte erfragen

42Cr: 900-1150 N/mm² — 1200 kN/m max.

TMR100.16.86

100 mm		2.5 kg	
500 mm	€ 250,-	12.5 kg	
250 mm	€ 250,-	6.3 kg	FC
550 mm	€ 490,-	13.8 kg	FW

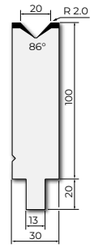


86° ✓

42Cr: 900-1150 N/mm² — 1150 kN/m max.

TMR100.20.86

100 mm		2.4 kg	
500 mm	€ 271,-	12.2 kg	
250 mm	€ 271,-	6.2 kg	FC
550 mm	€ 533,-	13.5 kg	FW

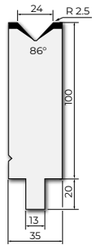


86° ✓

42Cr: 900-1150 N/mm² — 1200 kN/m max.

TMR100.24.86

100 mm		2.8 kg	
500 mm	€ 274,-	14.0 kg	
250 mm	€ 274,-	7.0 kg	FC
550 mm	€ 541,-	15.5 kg	FW

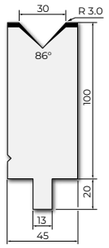


86° ✓

42Cr: 900-1150 N/mm² — 1200 kN/m max.

TMR100.30.86

100 mm		3.5 kg	
500 mm	€ 294,-	17.6 kg	
250 mm	€ 294,-	8.8 kg	FC
550 mm	€ 578,-	19.4 kg	FW

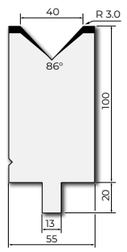


86° ✓

42Cr: 900-1150 N/mm² — 1200 kN/m max.

TMR100.40.86

100 mm		13.1 kg	
500 mm	€ 310,-	6.5 kg	
250 mm	€ 310,-	14.0 kg	FC
550 mm	€ 610,-	22.8 kg	FW

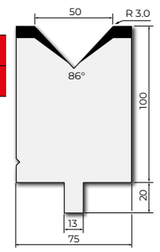


86° ✓

42Cr: 900-1150 N/mm² — 1500 kN/m max.

TMR100.50.86

100 mm		4.1 kg	
500 mm	€ 315,-	6.4 kg	
250 mm	€ 315,-	12.4 kg	FC
550 mm	€ 621,-	30.5 kg	FW

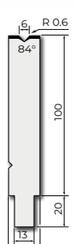


86° ✓

42Cr: 900-1150 N/mm² — 1200 kN/m max.

TMR100.06.84

100 mm		1.8 kg	
500 mm	€ 206,-	8.8 kg	
250 mm	€ 206,-	4.4 kg	FC
550 mm	€ 403,-	8.8 kg	FW

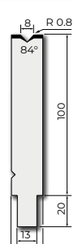


84° ✓

42Cr: 900-1150 N/mm² — 1150 kN/m max.

TMR100.08.84

100 mm		1.8 kg	
500 mm	€ 206,-	8.8 kg	
250 mm	€ 206,-	4.4 kg	FC
550 mm	€ 403,-	9.7 kg	FW



84° ✓

R2
R3

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42Cr: 900-1150 N/mm² — 1100 kN/m max.

TMR100.10.84

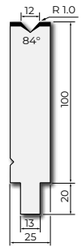
100 mm		1.8 kg	
500 mm	€ 222,-	8.8 kg	
250 mm	€ 222,-	4.4 kg	FC
550 mm	€ 436,-	9.6 kg	FW

84° ✓

42Cr: 900-1150 N/mm² — 1200 kN/m max.

TMR100.12.84

100 mm		2.1 kg	
500 mm	€ 228,-	10.7 kg	
250 mm	€ 228,-	5.3 kg	FC
550 mm	€ 446,-	11.7 kg	FW

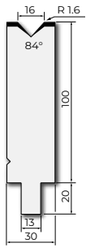


84° ✓

42Cr: 900-1150 N/mm² — 1200 kN/m max.

TMR100.16.84

100 mm		2.5 kg	
500 mm	€ 250,-	12.5 kg	
250 mm	€ 250,-	6.3 kg	FC
550 mm	€ 490,-	13.8 kg	FW

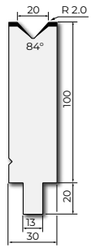


84° ✓

42Cr: 900-1150 N/mm² — 1150 kN/m max.

TMR100.20.84

100 mm		2.4 kg	
500 mm	€ 271,-	12.2 kg	
250 mm	€ 271,-	6.1 kg	FC
550 mm	€ 533,-	13.4 kg	FW

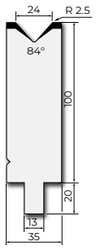


84° ✓

42Cr: 900-1150 N/mm² — 1200 kN/m max.

TMR100.24.84

100 mm		2.8 kg	
500 mm	€ 274,-	14.0 kg	
250 mm	€ 274,-	7.0 kg	FC
550 mm	€ 541,-	15.4 kg	FW

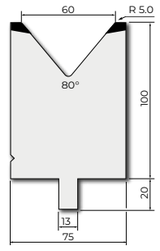


84° ✓

42Cr: 900-1150 N/mm² — 1500 kN/m max.

TMR100.60.80

100 mm		5.2 kg	
500 mm	€ 440,-	25.8 kg	
250 mm	€ 440,-	13.0 kg	FC
550 mm	€ 868,-	28.4 kg	FW

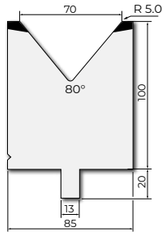


80° ✓

42Cr: 900-1150 N/mm² — 1500 kN/m max.

TMR100.70.80

100 mm		5.7 kg	
500 mm	€ 488,-	28.2 kg	
250 mm	€ 488,-	14.1 kg	FC
550 mm	€ 961,-	31.0 kg	FW

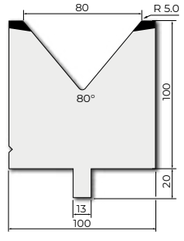


80° ✓

42Cr: 900-1150 N/mm² — 1500 kN/m max.

TMR100.80.80

100 mm		6.5 kg	
500 mm	€ 536,-	32.3 kg	
250 mm	€ 536,-	16.1 kg	FC
550 mm	€ 1.054,-	35.5 kg	FW



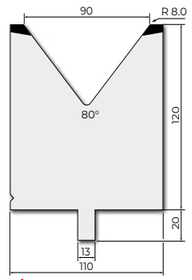
80° ✓

Matrizen - R2 R3

42Cr: 900-1150 N/mm² — 1500 kN/m max.

TMR120.90.80

100 mm		8.4 kg	
500 mm	€ 599,-	42.1 kg	
250 mm	€ 599,-	21.0 kg	FC
550 mm	€ 1.178,-	46.3 kg	FW

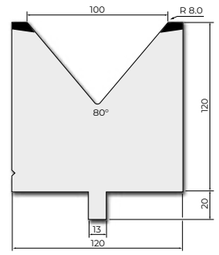


80° ✓

42Cr: 900-1150 N/mm² — 1500 kN/m max.

TMR120.100.80

100 mm		9.0 kg	
500 mm	€ 629,-	44.7 kg	
250 mm	€ 629,-	22.4 kg	FC
550 mm	€ 1.240,-	49.2 kg	FW

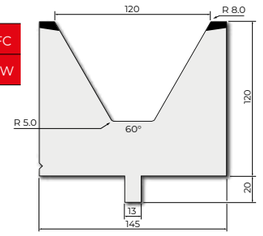


80° ✓

42Cr: 900-1150 N/mm² — 1600 kN/m max.

TMR120.120.60

100 mm		8.9 kg	
500 mm	€ 811,-	44.5 kg	
250 mm	€ 488,-	22.8 kg	FC
550 mm	€ 1.533,-	49.0 kg	FW



60°

R2
R3

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42Cr: 900-1150 N/mm² — 150 kN/m max.

TMR100.04.30

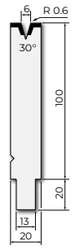
100 mm		1.4 kg	
500 mm	€ 264,-	7.0 kg	
250 mm	€ 264,-	3.5 kg	FC
550 mm	€ 519,-	7.7 kg	FW

30°

42Cr: 900-1150 N/mm² — 400 kN/m max.

TMR100.06.30

100 mm		1.8 kg	
500 mm	€ 210,-	8.8 kg	
250 mm	€ 210,-	4.4 kg	FC
550 mm	€ 414,-	9.6 kg	FW

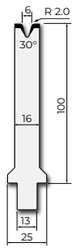


30°

42Cr: 900-1150 N/mm² — 400 kN/m max.

WMR100.06.30

100 mm		1.5 kg	
515 mm	€ 229,-	7.7 kg	
550 mm	€ 426,-	8.2 kg	FW



30°

42Cr: 900-1150 N/mm² — 400 kN/m max.

TMR100.08.30

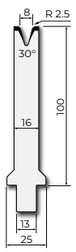
100 mm		2.4 kg	
500 mm	€ 210,-	12.2 kg	
250 mm	€ 210,-	6.1 kg	FC
550 mm	€ 414,-	13.4 kg	FW

30°

42Cr: 900-1150 N/mm² — 400 kN/m max.

WMR100.08.30

100 mm		2.8 kg	
515 mm	€ 229,-	14.0 kg	
550 mm	€ 426,-	15.4 kg	FW

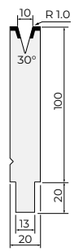


30°

42Cr: 900-1150 N/mm² — 400 kN/m max.

TMR100.10.30

100 mm		1.7 kg	
500 mm	€ 228,-	8.5 kg	
250 mm	€ 228,-	4.3 kg	FC
550 mm	€ 446,-	9.4 kg	FW

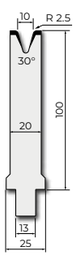


30°

42Cr: 900-1150 N/mm² — 400 kN/m max.

WMR100.10.30

100 mm		1.7 kg	
515 mm	€ 248,-	9.0 kg	
550 mm	€ 445,-	9.6 kg	FW

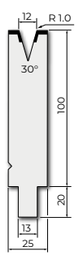


30°

42Cr: 900-1150 N/mm² — 400 kN/m max.

TMR100.12.30

100 mm		2.0 kg	
500 mm	€ 250,-	10.3 kg	
250 mm	€ 250,-	5.1 kg	FC
550 mm	€ 490,-	11.3 kg	FW



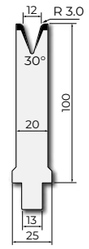
30°

Sektioniert — auf Anfrage — Artikel auf Lager — Lieferzeit bitte erfragen

42Cr: 900-1150 N/mm² — 400 kN/m max.

WMR100.12.30

100 mm		1.7 kg	
515 mm	€ 273,-	8.9 kg	
550 mm	€ 314,-	9.5 kg	FW

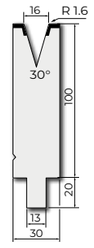


30°

42Cr: 900-1150 N/mm² — 500 kN/m max.

TMR100.16.30

100 mm		2.4 kg	
500 mm	€ 264,-	11.8 kg	
250 mm	€ 264,-	6.0 kg	FC
550 mm	€ 518,-	13.0 kg	FW

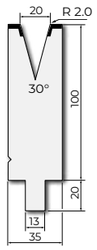


30°

42Cr: 900-1150 N/mm² — 600 kN/m max.

TMR100.20.30

100 mm		2.6 kg	
500 mm	€ 288,-	13.2 kg	
250 mm	€ 288,-	6.5 kg	FC
550 mm	€ 566,-	15.0 kg	FW

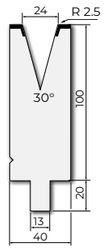


30°

42Cr: 900-1150 N/mm² — 650 kN/m max.

TMR100.24.30

100 mm		3.0 kg	
500 mm	€ 298,-	14.8 kg	
250 mm	€ 298,-	7.4 kg	FC
550 mm	€ 588,-	16.2 kg	FW

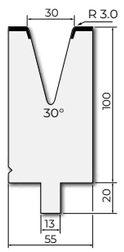


30°

42Cr: 900-1150 N/mm² — 900 kN/m max.

TMR100.30.30

100 mm		3.8 kg	
500 mm	€ 364,-	19.0 kg	
250 mm	€ 364,-	9.5 kg	FC
550 mm	€ 655,-	21.0 kg	FW

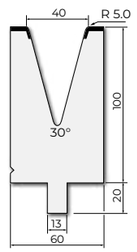


30°

42Cr: 900-1150 N/mm² — 900 kN/m max.

TMR100.40.30

100 mm		3.7 kg	
500 mm	€ 456,-	18.3 kg	
250 mm	€ 456,-	9.3 kg	FC
550 mm	€ 898,-	20.1 kg	FW



30°

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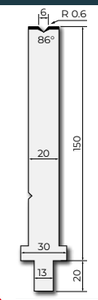
42Cr: 900-1150 N/mm² — 400 kN/m max.

TMR150.06.86

100 mm		2.64 kg	
500 mm	€ 216,-	13.1 kg	
250 mm	€ 216,-	6.6 kg	FC
550 mm	€ 425,-	14.3 kg	FW

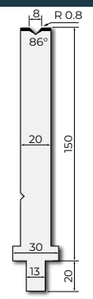


86°

42Cr: 900-1150 N/mm² — 400 kN/m max.

TMR150.08.86

100 mm		2.6 kg	
500 mm	€ 224,-	13.1 kg	
250 mm	€ 224,-	6.6 kg	FC
550 mm	€ 441,-	14.4 kg	FW

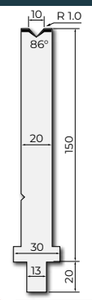


86°

42Cr: 900-1150 N/mm² — 500 kN/m max.

TMR150.10.86

100 mm		2.6 kg	
500 mm	€ 230,-	13.0 kg	
250 mm	€ 230,-	6.5 kg	FC
550 mm	€ 454,-	14.3 kg	FW

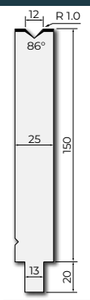


86°

42Cr: 900-1150 N/mm² — 500 kN/m max.

TMR150.12.86

100 mm		3.1 kg	
500 mm	€ 243,-	15.5 kg	
250 mm	€ 243,-	7.8 kg	FC
550 mm	€ 478,-	17.0 kg	FW

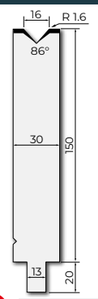


86°

42Cr: 900-1150 N/mm² — 700 kN/m max.

TMR150.16.86

100 mm		3.7 kg	
500 mm	€ 271,-	18.4 kg	
250 mm	€ 271,-	9.2 kg	FC
550 mm	€ 533,-	20.2 kg	FW

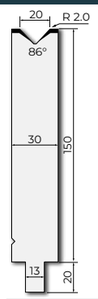


86°

42Cr: 900-1150 N/mm² — 700 kN/m max.

TMR150.20.86

100 mm		3.7 kg	
500 mm	€ 291,-	18.3 kg	
250 mm	€ 291,-	9.1 kg	FC
550 mm	€ 573,-	20.0 kg	FW

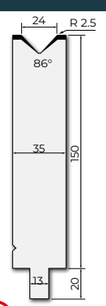


86°

42Cr: 900-1150 N/mm² — 700 kN/m max.

TMR150.24.86

100 mm		4.2 kg	
500 mm	€ 321,-	20.9 kg	
250 mm	€ 321,-	10.5 kg	FC
550 mm	€ 633,-	23.0 kg	FW

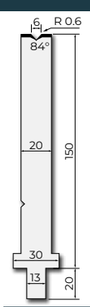


86°

42Cr: 900-1150 N/mm² — 400 kN/m max.

TMR150.06.84

100 mm		2.6 kg	
515 mm	€ 216,-	13.1 kg	
250 mm	€ 216,-	6.6 kg	FC
550 mm	€ 425,-	14.3 kg	FW



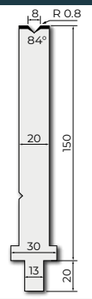
84°

Sektioniert — auf Anfrage — Artikel auf Lager — Lieferzeit bitte erfragen

42Cr: 900-1150 N/mm² — 400 kN/m max.

TMR150.08.84

100 mm		2.6 kg	
500 mm	€ 224,-	13.1 kg	
250 mm	€ 224,-	6.6 kg	FC
550 mm	€ 441,-	14.3 kg	FW

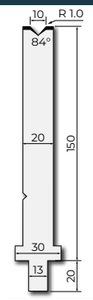


84°

42Cr: 900-1150 N/mm² — 500 kN/m max.

TMR150.10.84

100 mm		2.6 kg	
500 mm	€ 230,-	13.0 kg	
250 mm	€ 230,-	6.5 kg	FC
550 mm	€ 454,-	14.3 kg	FW

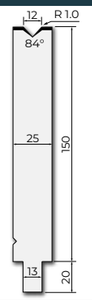


84°

42Cr: 900-1150 N/mm² — 500 kN/m max.

TMR150.12.84

100 mm		3.1 kg	
500 mm	€ 243,-	15.5 kg	
250 mm	€ 243,-	7.8 kg	FC
550 mm	€ 478,-	17.0 kg	FW

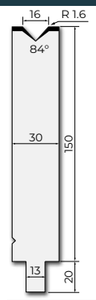


84°

42Cr: 900-1150 N/mm² — 700 kN/m max.

TMR150.16.84

100 mm		3.7 kg	
500 mm	€ 271,-	18.4 kg	
250 mm	€ 271,-	9.2 kg	FC
550 mm	€ 533,-	20.2 kg	FW

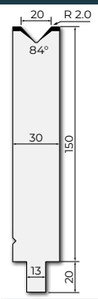


84°

42Cr: 900-1150 N/mm² — 700 kN/m max.

TMR150.20.84

100 mm		3.7 kg	
500 mm	€ 291,-	18.3 kg	
250 mm	€ 291,-	9.1 kg	FC
550 mm	€ 573,-	20.0 kg	FW

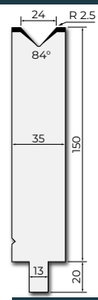


84°

42Cr: 900-1150 N/mm² — 700 kN/m max.

TMR150.24.84

100 mm		4.2 kg	
500 mm	€ 321,-	20.9 kg	
250 mm	€ 321,-	10.4 kg	FC
550 mm	€ 633,-	22.9 kg	FW

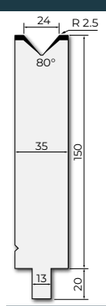


84°

42Cr: 900-1150 N/mm² — 700 kN/m max.

TMR150.24.80

100 mm		4.2 kg	
500 mm	€ 321,-	20.9 kg	
250 mm	€ 321,-	10.4 kg	FC
550 mm	€ 633,-	22.9 kg	FW

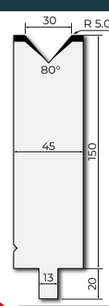


80°

42Cr: 900-1150 N/mm² — 900 kN/m max.

TMR150.30.80

100 mm		5.3 kg	
500 mm	€ 327,-	26.3 kg	
250 mm	€ 327,-	13.1 kg	FC
550 mm	€ 643,-	28.9 kg	FW



80°

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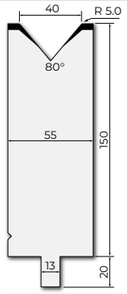
42Cr: 900-1150 N/mm² — 1200 kN/m max.

TMR150.40.80

100 mm		6.3 kg	
500 mm	€ 416,-	31.3 kg	
250 mm	€ 416,-	15.6 kg	FC
550 mm	€ 820,-	34.4 kg	FW

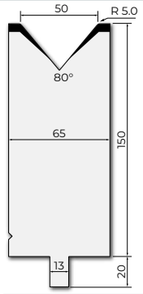


80°

42Cr: 900-1150 N/mm² — 1500 kN/m max.

TMR150.50.80

100 mm		7.3 kg	
500 mm	€ 552,-	36.0 kg	
250 mm	€ 552,-	18.0 kg	FC
550 mm	€ 1.089,-	39.6 kg	FW

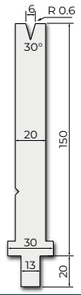


80°

42Cr: 900-1150 N/mm² — 400 kN/m max.

TMR150.06.30

100 mm		2.6 kg	
500 mm	€ 237,-	13.0 kg	
250 mm	€ 237,-	6.5 kg	FC
550 mm	€ 467,-	14.3 kg	FW

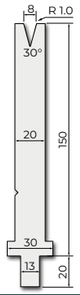


30°

42Cr: 900-1150 N/mm² — 400 kN/m max.

TMR150.08.30

100 mm		2.8 kg	
500 mm	€ 237,-	13.0 kg	
250 mm	€ 237,-	6.5 kg	FC
550 mm	€ 467,-	14.3 kg	FW

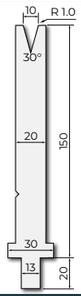


30°

42Cr: 900-1150 N/mm² — 400 kN/m max.

TMR150.10.30

100 mm		2.6 kg	
500 mm	€ 256,-	12.8 kg	
250 mm	€ 256,-	6.4 kg	FC
550 mm	€ 504,-	13.9 kg	FW

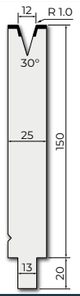


30°

42Cr: 900-1150 N/mm² — 400 kN/m max.

TMR150.12.30

100 mm		3.0 kg	
500 mm	€ 268,-	15.2 kg	
250 mm	€ 268,-	7.6 kg	FC
550 mm	€ 528,-	16.7 kg	FW

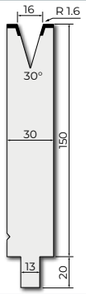


30°

42Cr: 900-1150 N/mm² — 500 kN/m max.

TMR150.16.30

100 mm		3.5 kg	
500 mm	€ 296,-	17.7 kg	
250 mm	€ 296,-	8.9 kg	FC
550 mm	€ 583,-	19.5 kg	FW

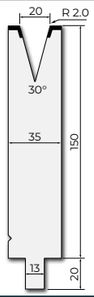


30°

42Cr: 900-1150 N/mm² — 600 kN/m max.

TMR150.20.30

100 mm		4.0 kg	
515 mm	€ 326,-	20.1 kg	
250 mm	€ 326,-	10.0 kg	FC
550 mm	€ 642,-	22.0 kg	FW



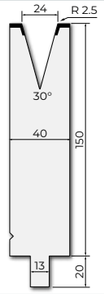
30°

Matrizen - R2 R3

42Cr: 900-1150 N/mm² — 650 kN/m max.

TMR150.24.30

100 mm		4.5 kg	
500 mm	€ 335,-	22.3 kg	
250 mm	€ 335,-	11.2 kg	FC
550 mm	€ 659,-	24.5 kg	FW

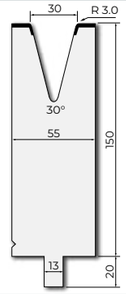


30°

42Cr: 900-1150 N/mm² — 900 kN/m max.

TMR150.30.30

100 mm		6.0 kg	
500 mm	€ 506,-	30.0 kg	
250 mm	€ 506,-	15.0 kg	FC
550 mm	€ 998,-	33.0 kg	FW

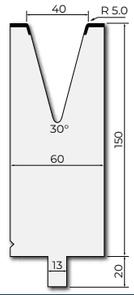


30°

42Cr: 900-1150 N/mm² — 900 kN/m max.

TMR150.40.30

100 mm		6.0 kg	
500 mm	€ 620,-	30.1 kg	
250 mm	€ 620,-	15.1 kg	FC
550 mm	€ 1.220,-	33.1 kg	FW



30°

R2
R3

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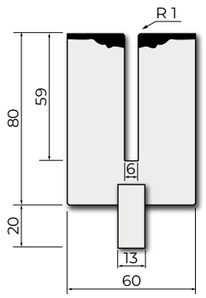
Zudrückmatrizen - R2 R3

42Cr: 900-1150 N/mm² — 500 kN/m max. - 1000 kN/m max.

BPR.SM.195.28.6

525 mm	€ 427,-	12.0 kg	
495 mm	€ 749,-	11.0 kg	F

Zu verwenden mit:
- BPR.SP-195.28.6 (S. 109)

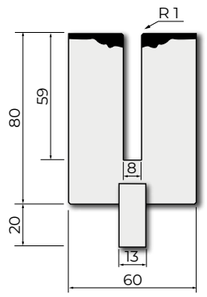


42Cr: 900-1150 N/mm² — 500 kN/m max. - 1000 kN/m max.

BPR.SM.195.28.8 - TPR.SM.195.28.8 - TPR.SM.195.24.8

525 mm	€ 427,-	12.0 kg	
495 mm	€ 749,-	11.0 kg	F

Zu verwenden mit:
- BPR.SP-195.28.8 (S. 109)
- TPR.SP.195.28.8 (S. 98)
- TPR.SP.195.24.8 (S. 98)

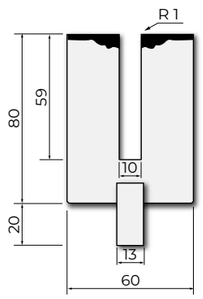


42Cr: 900-1150 N/mm² — 500 kN/m max. - 1000 kN/m max.

BPR.SM.195.24.10 - TPR.SM.195.24.10

525 mm	€ 427,-	12.0 kg	
495 mm	€ 749,-	11.0 kg	F

Zu verwenden mit:
- BPR.SP-195.24.10 (S. 109)
- TPR.SP-195.24.10 (S. 98)

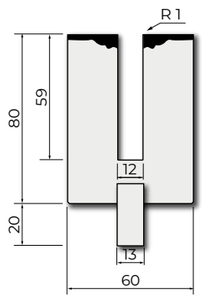


42Cr: 900-1150 N/mm² — 500 kN/m max. - 1000 kN/m max.

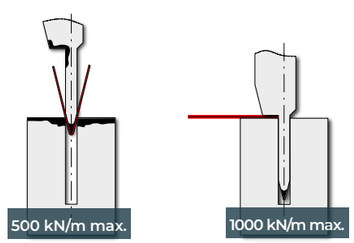
BPR.SM.195.24.12 - TPR.SM.195.24.12

525 mm	€ 427,-	12.0 kg	
495 mm	€ 749,-	11.0 kg	F

Zu verwenden mit:
- BPR.SP-195.24.12 (S. 109)
- TPR.SP.195.24.12 (S. 98)



Anwendungsbeispiel



S [mm]	A [mm]	R.420 N/mm² kN/m	R.700 N/mm² kN/m
0.6	3.0	90	150
0.8	3.0	120	200
1.0	3.5	150	250
1.25	3.5	170	260

S [mm]	A [mm]	R.420 N/mm² kN/m	R.700 N/mm² kN/m
0.6	1.2	230	350
0.8	1.6	320	500
1.0	1.0	400	600
1.25	2.5	500	800

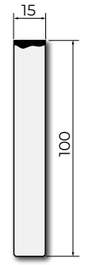
Zudrückmatrizen für beweglichen Pressentisch - R2 R3

- Für Abkantpresse mit beweglichem Pressentisch

C45: 560-710 N/mm² — 1300 kN/m max.

TMI100

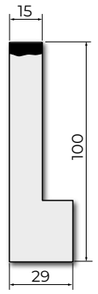
100 mm		1.0 kg	
500 mm	€ 127,-	5.0 kg	
250 mm	€ 127,-	2.5 kg	FC
550 mm	€ 249,-	5.5 kg	FX



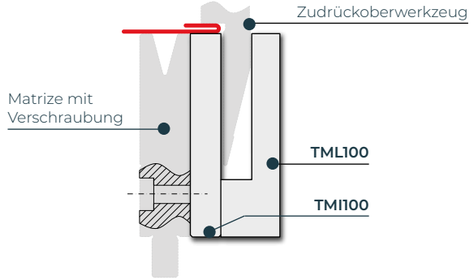
C45: 560-710 N/mm² — 1200 kN/m max.

TML100

100 mm		1.0 kg	
500 mm	€ 264,-	5.0 kg	
250 mm	€ 264,-	2.5 kg	FC
550 mm	€ 519,-	5.5 kg	FW



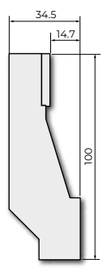
Einsatzbeispiel TMI100 + TML100



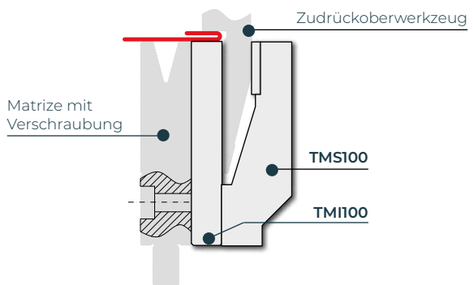
C45: 560-710 N/mm² — 1300 kN/m max.

TMS100

100 mm		1.0 kg	
500 mm	€ 322,-	5.0 kg	
250 mm	€ 322,-	2.5 kg	FC
550 mm	€ 632,-	5.5 kg	FX



Einsatzbeispiel TMI100 + TMS100



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OBERWERKZEUGE ROLLERI TYP R4

▼ **KOMPATIBILITÄT**

LVD

Erläuterungen	146 - 147
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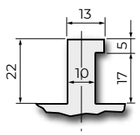
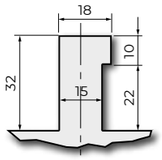
Erläuterungen - R4

AUFNAHME

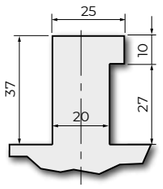
Aufnahme R4 A



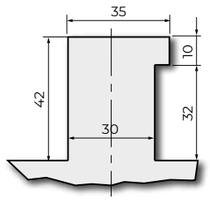
Aufnahme R4 B



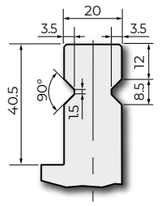
Aufnahme R4 C



Aufnahme R4 D



Aufnahme R4 W



WERKZEUGLÄNGEN

508 mm

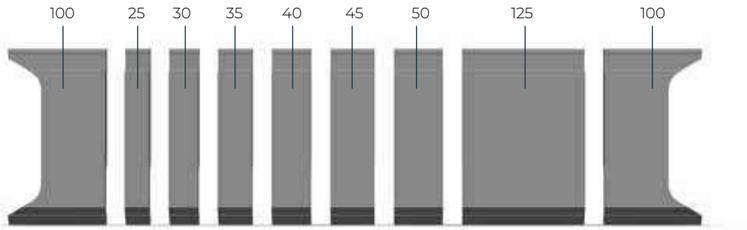
525 mm Zudrückwerkzeuge

Erläuterungen - R4

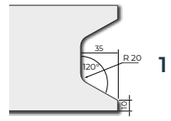
SEKTIONIERUNGEN

► Oberwerkzeuge

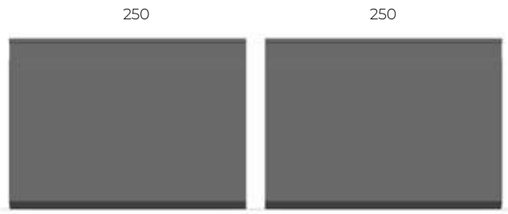
550 mm - 9 segmente



Hornstücke ▼

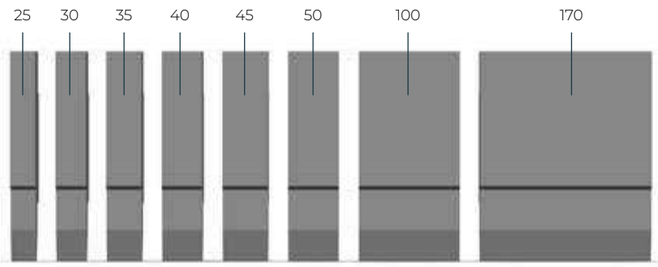


500 mm - 2 segmente

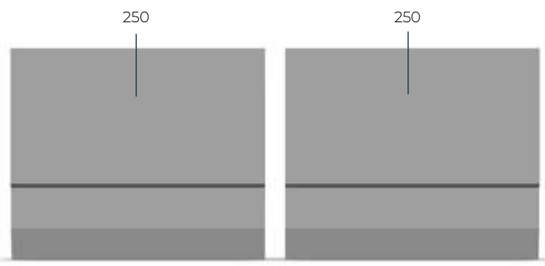


► Zudrückwerkzeuge

495 mm - 8 segmente



500 mm - 2 segmente



R4

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42Cr: 900-1150 N/mm² — 700 kN/m max.

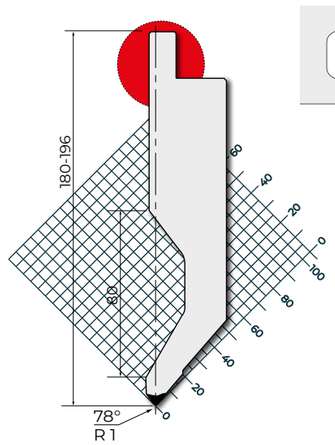
LP180.78.R1-A

508 mm	€ 352,-	22.0 kg	
550 mm	€ 680,-	23.8 kg	F
2x250 mm	€ 385,-	21.7 kg	FC

Serie **CLASSIC**
- Aufnahme A: LPA180.78.R1-A
- Aufnahme B: LPB180.78.R1-A
- Aufnahme C: LPC180.78.R1-A
- Aufnahme D: LPD180.78.R1-A

508 mm	€ 445,-	22.0 kg	
550 mm	€ 1.070,-	23.8 kg	F
2x250 mm	€ 540,-	21.7 kg	FC

Serie **W**
- Aufnahme W: LPW196.78.R1-A



78°

42Cr: 900-1150 N/mm² — 450 kN/m max.

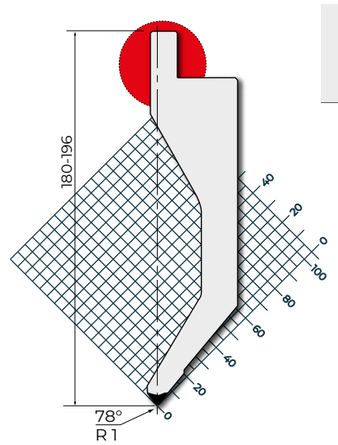
LP180.78.R1-B

508 mm	€ 365,-	22.0 kg	
550 mm	€ 694,-	24.0 kg	F
2x250 mm	€ 399,-	21.7 kg	FC

Serie **CLASSIC**
- Aufnahme A: LPA180.78.R1-B
- Aufnahme B: LPB180.78.R1-B
- Aufnahme C: LPC180.78.R1-B
- Aufnahme D: LPD180.78.R1-B

508 mm	€ 473,-	22.0 kg	
550 mm	€ 1.126,-	23.8 kg	F
2x250 mm	€ 570,-	21.7 kg	FC

Serie **W**
- Aufnahme W: LPW196.78.R1-B



78°

42Cr: 900-1150 N/mm² — 500 kN/m max.

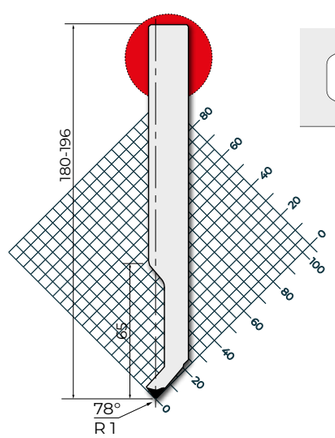
LP180.78.R1-C

508 mm	€ 223,-	11.0 kg	
550 mm	€ 500,-	12.0 kg	F
2x250 mm	€ 256,-	10.0 kg	FC

Serie **CLASSIC**
- Aufnahme A: LPA180.78.R1-C
- Aufnahme B: LPB180.78.R1-C
- Aufnahme C: LPC180.78.R1-C
- Aufnahme D: LPD180.78.R1-C

508 mm	€ 363,-	22.0 kg	
550 mm	€ 1.068,-	23.8 kg	F
2x250 mm	€ 428,-	21.7 kg	FC

Serie **W**
- Aufnahme W: LPW196.78.R1-C



78°

42Cr: 900-1150 N/mm² — 1000 kN/m max.

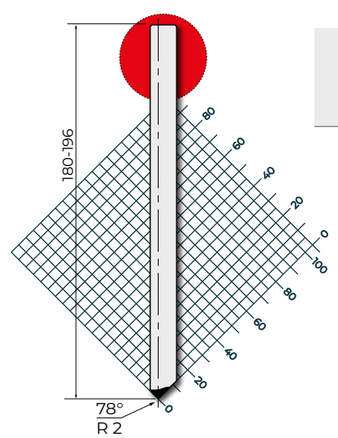
LP180.78.R2

508 mm	€ 188,-	9.0 kg	
550 mm	€ 467,-	9.7 kg	F
2x250 mm	€ 213,-	8.9 kg	FC

Serie **CLASSIC**
- Aufnahme A: LPA180.78.R2
- Aufnahme B: LPB180.78.R2
- Aufnahme C: LPC180.78.R2
- Aufnahme D: LPD180.78.R2

508 mm	€ 307,-	22.0 kg	
550 mm	€ 1.035,-	23.8 kg	F
2x250 mm	€ 398,-	21.7 kg	FC

Serie **W**
- Aufnahme W: LPW196.78.R2



78°

42Cr: 900-1150 N/mm² — 500 kN/m max.

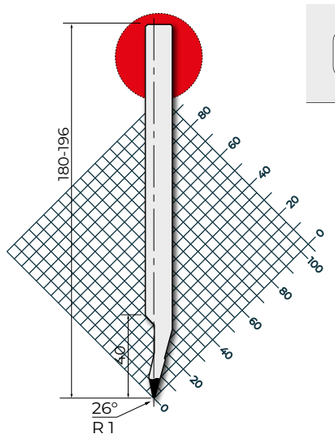
LP180.26-R1

508 mm	€ 210,-	9.0 kg	
550 mm	€ 488,-	10.0 kg	F
2x250 mm	€ 236,-	8.9 kg	FC

Serie **CLASSIC**
- Aufnahme A: LPA180.26.R1
- Aufnahme B: LPB180.26.R1
- Aufnahme C: LPC180.26.R1
- Aufnahme D: LPD180.26.R1

508 mm	€ 345,-	9.0 kg	
550 mm	€ 1.017,-	10.0 kg	F
2x250 mm	€ 425,-	8.9 kg	FC

Serie **W**
- Aufnahme W: LPW196.26.R1



26°

42Cr: 900-1150 N/mm² — 400 kN/m max.

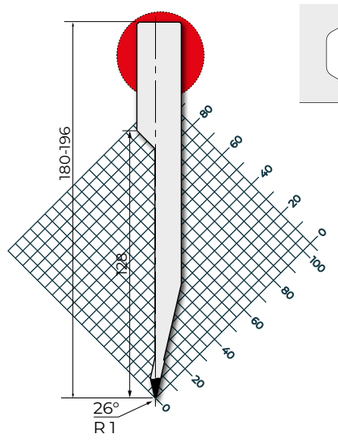
LP180.26.R1-A

508 mm	€ 349,-	12.5 kg	
550 mm	€ 817,-	13.5 kg	F
2x250 mm	€ 441,-	12.3 kg	FC

Serie **CLASSIC**
- Aufnahme A: LPA180.26.R1-A
- Aufnahme B: LPB180.26.R1-A
- Aufnahme C: LPC180.26.R1-A
- Aufnahme D: LPD180.26.R1-A

508 mm	€ 393,-	12.5 kg	
550 mm	€ 1.071,-	13.5 kg	F
2x250 mm	€ 471,-	12.3 kg	FC

Serie **W**
- Aufnahme W: LPW196.26.R1-A



26°

R4

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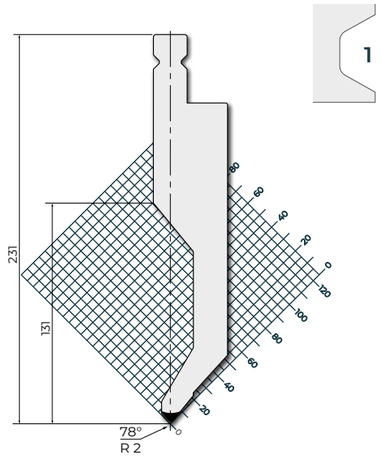
42Cr: 900-1150 N/mm² — 800 kN/m max.

LPW231.78.R2-A

508 mm	€ 508,-	27.6 kg	
550 mm	€ 1.159,-	29.9 kg	F
2x250 mm	€ 541,-	27.2 kg	FC

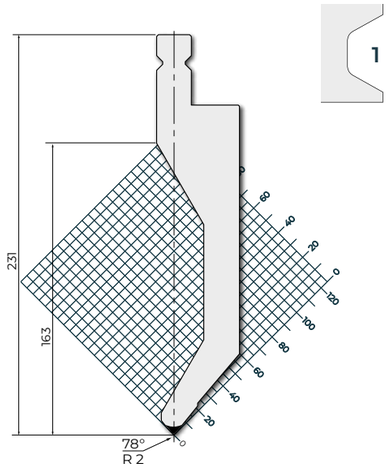


78°

42Cr: 900-1150 N/mm² — 750 kN/m max.

LPW231.78.R2-B

508 mm	€ 540,-	23.4 kg	
550 mm	€ 1.206,-	25.4 kg	F
2x250 mm	€ 569,-	23.1 kg	FC

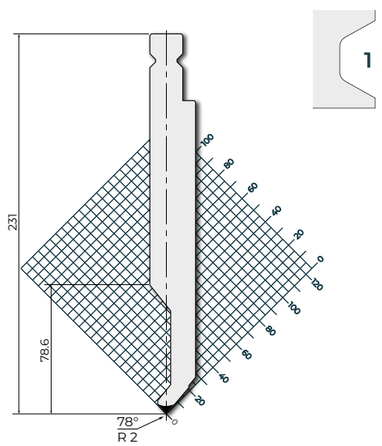


78°

42Cr: 900-1150 N/mm² — 500 kN/m max.

LPW231.78.R2-C

508 mm	€ 404,-	19.1 kg	
550 mm	€ 617,-	20.7 kg	F
2x250 mm	€ 502,-	18.8 kg	FC

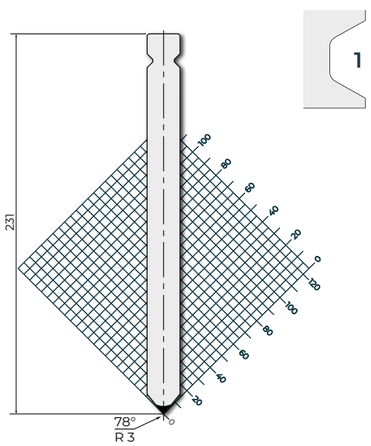


78°

42Cr: 900-1150 N/mm² — 1200 kN/m max.

LPW231.78-R3

508 mm	€ 356,-	18.3 kg	
550 mm	€ 571,-	19.8 kg	F
2x250 mm	€ 473,-	18.0 kg	FC



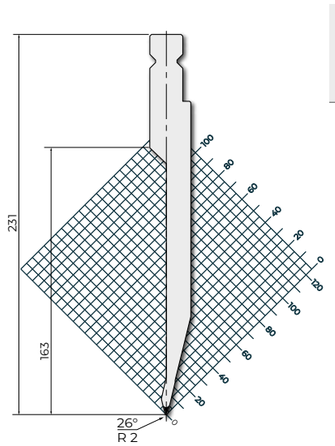
78°

Oberwerkzeuge - R4 Serie W

42Cr: 900-1150 N/mm² — 500 kN/m max.

LPW231.26.R2-A

508 mm	€ 592,-	9.0 kg	
550 mm	€ 1.581,-	10.0 kg	F
2x250 mm	€ 691,-	8.9 kg	FC

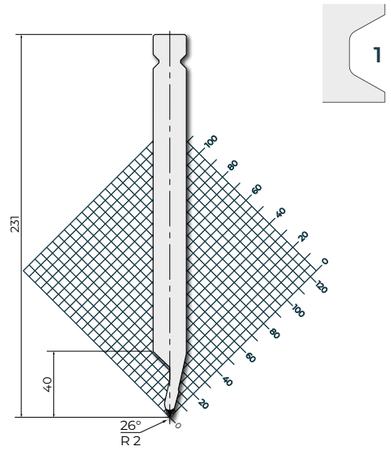


26°

42Cr: 900-1150 N/mm² — 500 kN/m max.

LPW231.26.R2

508 mm	€ 540,-	16.3 kg	
550 mm	€ 1.516,-	17.6 kg	F
2x250 mm	€ 628,-	16.0 kg	FC



26°

R4

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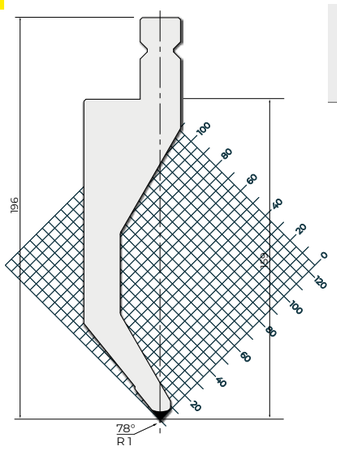
42Cr: 900-1150 N/mm² — 400 kN/m max.

LPW196.D10-R1

510 mm	⌔	16.3 kg	
550 mm	⌔	17.6 kg	F
2x250 mm	⌔	16.0 kg	FC

NEU



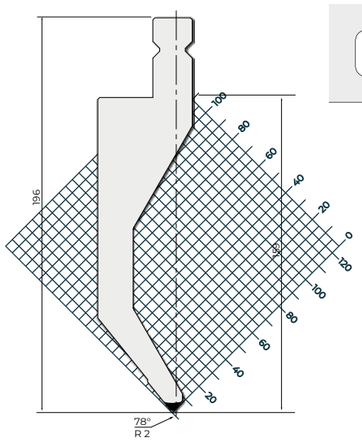
78° ⌔

42Cr: 900-1150 N/mm² — 750 kN/m max.

LPW196.D10-R2

510 mm	⌔	17.7 kg	
550 mm	⌔	19.1 kg	F
2x250 mm	⌔	17.4 kg	FC

NEU



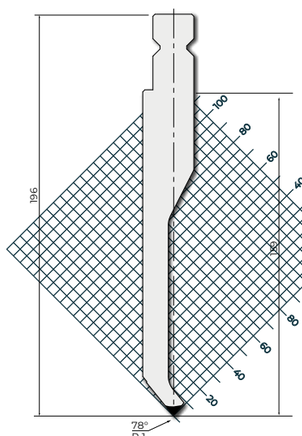
78° ⌔

42Cr: 900-1150 N/mm² — 400 kN/m max.

LPW196.E10-R1

510 mm	⌔	12.9 kg	
550 mm	⌔	14.0 kg	F
2x250 mm	⌔	12.7 kg	FC

NEU



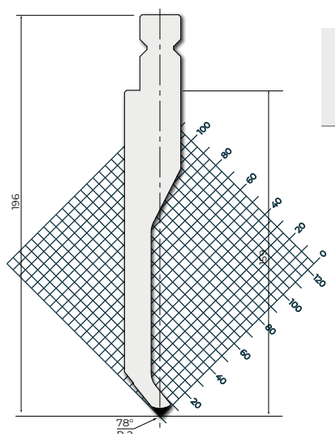
78° ⌔

42Cr: 900-1150 N/mm² — 680 kN/m max.

LPW196.E10-R2

510 mm	⌔	13.7 kg	
550 mm	⌔	14.9 kg	F
2x250 mm	⌔	13.5 kg	FC

NEU



78° ⌔

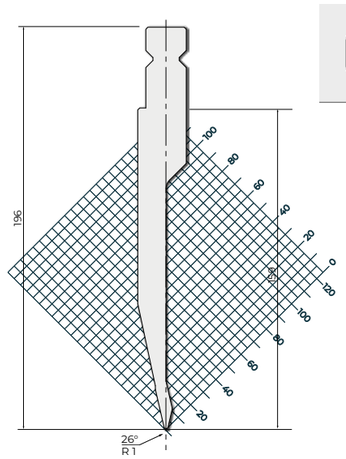
Oberwerkzeuge - R4 NEU Serie W

42Cr: 900-1150 N/mm² — 400 kN/m max.

LPW196.J10-R1

510 mm	⌔	8.8 kg	
550 mm	⌔	9.4 kg	F
2x250 mm	⌔	8.6 kg	FC

NEU



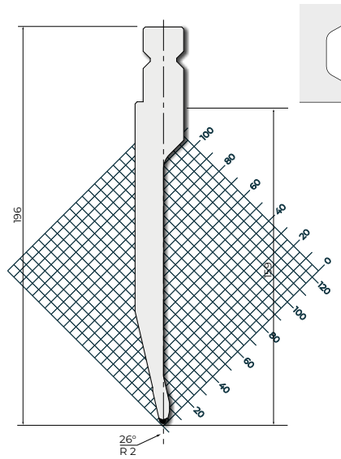
26° ⌔

42Cr: 900-1150 N/mm² — 600 kN/m max.

LPW196.J10-R2

510 mm	⌔	11.4 kg	
550 mm	⌔	12.3 kg	F
2x250 mm	⌔	11.2 kg	FC

NEU



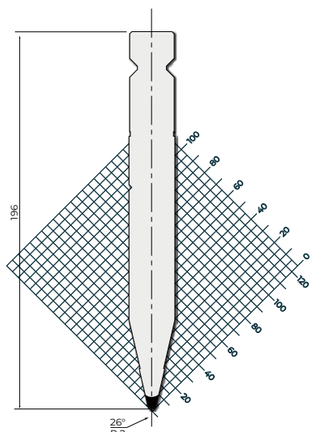
26° ⌔

42Cr: 900-1150 N/mm² — 800 kN/m max.

LPW196.R10-R2

510 mm	⌔	9.0 kg	
550 mm	⌔	9.8 kg	F
2x250 mm	⌔	8.8 kg	FC

NEU



26° ⌔

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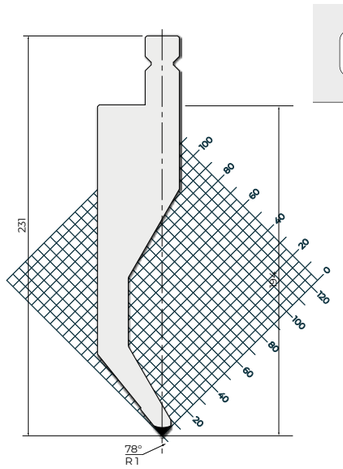
42Cr: 900-1150 N/mm² — 400 kN/m max.

LPW231.D15-R1

510 mm	⌔	20.1 kg	
550 mm	⌔	21.7 kg	F
2x250 mm	⌔	19.8 kg	FC

NEU



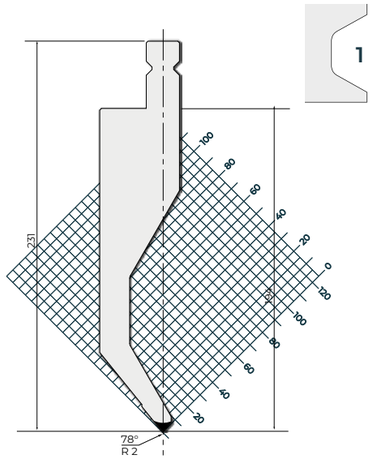
78° ⌔

42Cr: 900-1150 N/mm² — 750 kN/m max.

LPW231.D15-R2

510 mm	⌔	21.9 kg	
550 mm	⌔	23.7 kg	F
2x250 mm	⌔	21.4 kg	FC

NEU



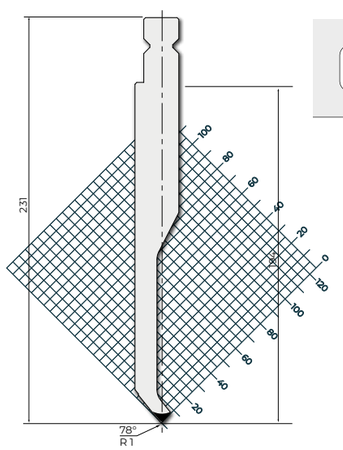
78° ⌔

42Cr: 900-1150 N/mm² — 400 kN/m max.

LPW231.E15-R1

510 mm	⌔	16.5 kg	
550 mm	⌔	17.9 kg	F
2x250 mm	⌔	16.3 kg	FC

NEU



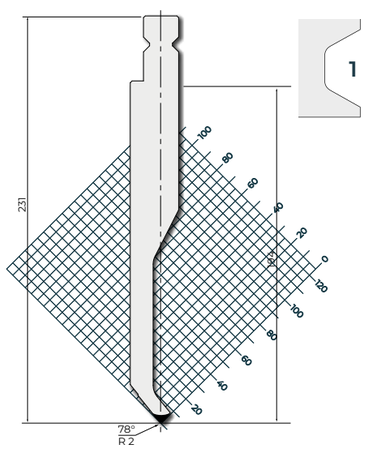
78° ⌔

42Cr: 900-1150 N/mm² — 680 kN/m max.

LPW231.E15-R2

510 mm	⌔	17.6 kg	
550 mm	⌔	19.0 kg	F
2x250 mm	⌔	17.4 kg	FC

NEU



78° ⌔

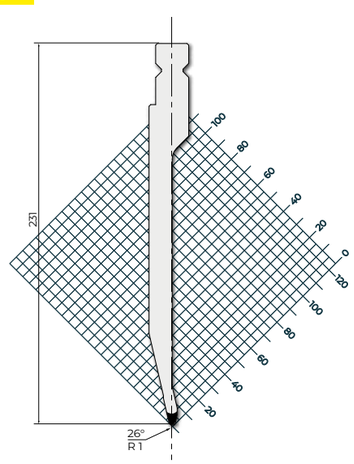
Oberwerkzeuge - R4 NEU Serie W

42Cr: 900-1150 N/mm² — 400 kN/m max.

LPW231.J15-R1

510 mm	⌔	13.3 kg	
550 mm	⌔	14.5 kg	F
2x250 mm	⌔	13.1 kg	FC

NEU



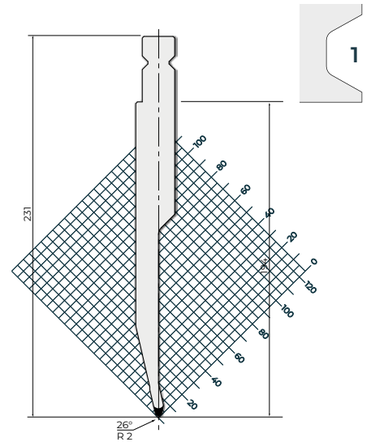
26° ⌔

42Cr: 900-1150 N/mm² — 600 kN/m max.

LPW231.J15-R2

510 mm	⌔	12.2 kg	
550 mm	⌔	13.2 kg	F
2x250 mm	⌔	12.0 kg	FC

NEU



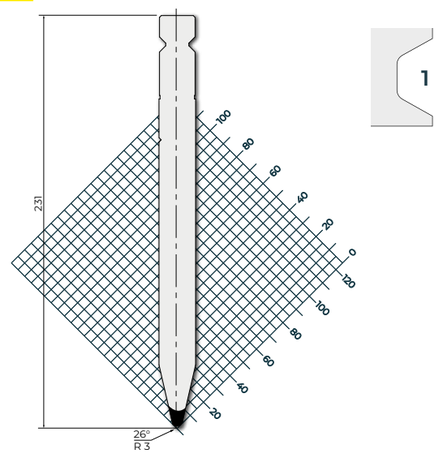
26° ⌔

42Cr: 900-1150 N/mm² — 1200 kN/m max.

LPW231.R15-R3

510 mm	⌔	16.3 kg	
550 mm	⌔	17.6 kg	F
2x250 mm	⌔	16.0 kg	FC

NEU



26° ⌔

R4

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Zudrückwerkzeuge LVD - R4

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

LP.SP-190.20.8

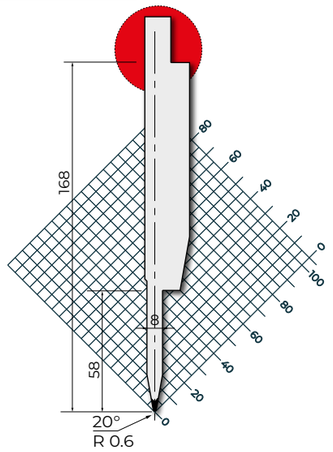
525 mm	€ 734,-	13.4 kg		
495 mm	€ 1.161,-	12.6 kg	F	
2x250 mm	€ 760,-	12.8 kg	FC	

Serie **CLASSIC**
- Aufnahme A: LPA.SP-190.20.8
- Aufnahme B: LPB.SP-190.20.8
- Aufnahme C: LPC.SP-190.20.8
- Aufnahme D: LPD.SP-190.20.8

525 mm	€ 642,-	13.4 kg		
495 mm	€ 1.016,-	12.6 kg	F	
2x250 mm	€ 680,-	12.8 kg	FC	

Serie **W**
- Aufnahme W: LPW.SP-190.20.8

Zu verwenden mit:
- LP.SM-190.20.8 (s. 168)



20°

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

LP.SP-190.20.10

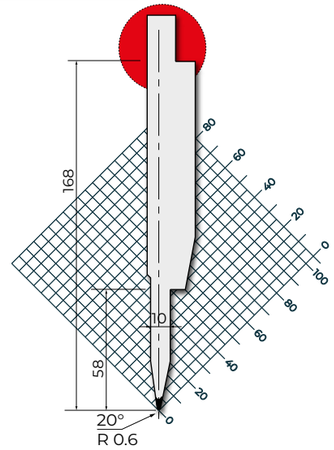
525 mm	€ 734,-	13.1 kg		
495 mm	€ 1.161,-	12.3 kg	F	
2x250 mm	€ 760,-	12.5 kg	FC	

Serie **CLASSIC**
- Aufnahme A: LPA.SP-190.20.10
- Aufnahme B: LPB.SP-190.20.10
- Aufnahme C: LPC.SP-190.20.10
- Aufnahme D: LPD.SP-190.20.10

525 mm	€ 642,-	13.1 kg		
495 mm	€ 1.016,-	12.3 kg	F	
2x250 mm	€ 680,-	12.5 kg	FC	

Serie **W**
- Aufnahme W: LPW.SP-190.20.10

Zu verwenden mit::
- LP.SM-190.20.10 (s. 168)



20°

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

LP.SP-190.20.12

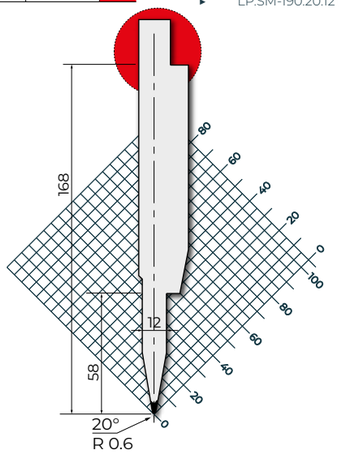
525 mm	€ 734,-	13.6 kg		
495 mm	€ 1.161,-	12.8 kg	F	
2x250 mm	€ 760,-	13.0 kg	FC	

Serie **CLASSIC**
- Aufnahme A: LPA.SP-190.20.12
- Aufnahme B: LPB.SP-190.20.12
- Aufnahme C: LPC.SP-190.20.12
- Aufnahme D: LPD.SP-190.20.12

525 mm	€ 680,-	13.6 kg		
495 mm	€ 1.016,-	12.8 kg	F	
2x250 mm	€ 680,-	13.0 kg	FC	

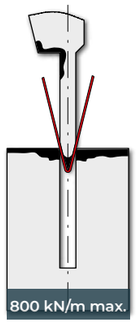
Serie **W**
- Aufnahme W: LPW.SP-190.20.12

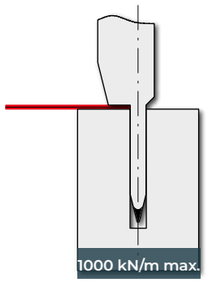
Zu verwenden mit:
- LP.SM-190.20.12 (s. 168)



20°

Anwendungsbeispiel





S [mm]	A [mm]	R,420 N/mm² kN/m	R,700 N/mm² kN/m
0.6	3.0	90	150
0.8	3.0	120	200
1.0	3.5	150	250
1.25	3.5	170	260

S [mm]	A [mm]	R,420 N/mm² kN/m	R,700 N/mm² kN/m
0.6	1.2	230	350
0.8	1.6	320	500
1.0	1.0	400	600
1.25	2.5	500	800

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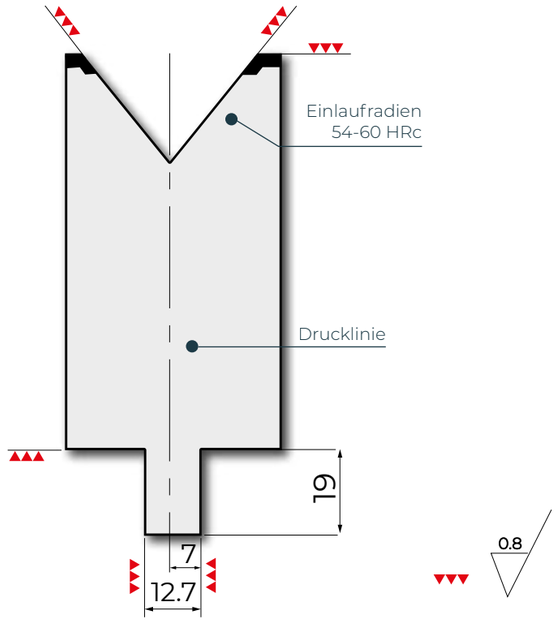
MATRIZEN ROLLERI TYP R4

▼ **KOMPATIBILITÄT**

LVD

Erläuterungen	160 - 161
Matrizen	162 - 163
78°, H=90	162
78°, H=130	163
60°, H=130	164
30°, H=90	165
30°, H=130	166
Multi-V-Matrizen	167
Zudrückmatrizen	168

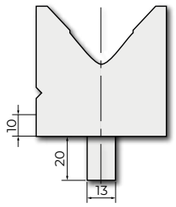
AUFNAHME



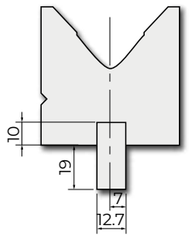
MODIFIZIERUNGEN FÜR SICHERHEITSAUFNAHMEN

Um auch Matrizen Rolleri Typ R1 nutzen zu können, wird eine 10 mm Nut eingefräst und eine geschliffene Keilleiste in benötigter Größe eingesetzt.

A31



A32



WERKZEUGLÄNGEN

▶ **Matrizen**

508 mm

▶ **Zudrückmatrizen**

525 mm

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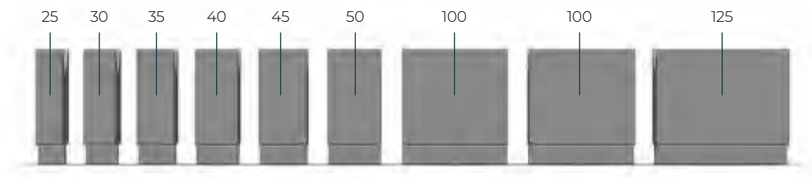
SEKTIONIERUNGEN

▶ **Matrizen**

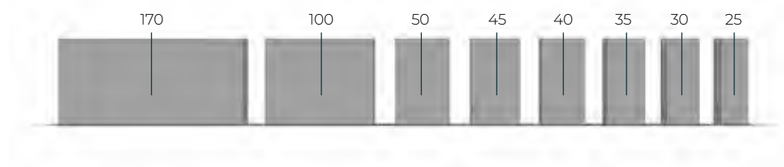
550 mm - 9 segmente



500 mm - 2 segmente

▶ **Zudrückmatrizen**

495 mm - 8 segmente



500 mm - 2 segmente

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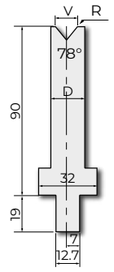
42Cr: 900-1150 N/mm²

Siehe Tabelle

H=90 mm

	V [mm]	R [mm]	D [mm]	kN/m max.	508 mm	F		550 mm	FC		2 x 250 mm	
LM90.06.78	6	1.0	12	400	€ 250,-	8.0 kg	€ 468,-	8.6 kg	€ 277,-	7.9 kg		
LM90.08.78	8	1.0	12	400	€ 250,-	8.0 kg	€ 468,-	8.6 kg	€ 277,-	7.9 kg		
LM90.10.78	10	1.0	14	500	€ 250,-	8.0 kg	€ 468,-	8.6 kg	€ 277,-	7.9 kg		
LM90.12.78	12	2.0	18	600	€ 250,-	8.0 kg	€ 468,-	8.6 kg	€ 277,-	7.9 kg		
LM90.16.78	16	2.5	25	800	€ 250,-	10.0 kg	€ 468,-	10.8 kg	€ 277,-	9.9 kg		

Verfügbar auch 510mm Länge und 550mm
Sektionierung
(20,20,25,25,30,35,40,40,45,75,75,120)



78°

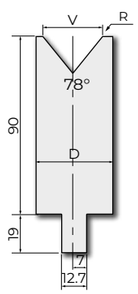
42Cr: 900-1150 N/mm²

Siehe Tabelle

H=90 mm

	V [mm]	R [mm]	D [mm]	kN/m max.	508 mm	F		550 mm	FC		2 x 250 mm	
LM90.20.78	20	3.0	32	1000	€ 280,-	11.9 kg	€ 499,-	12.8 kg	€ 307,-	11.8 kg		
LM90.24.78	24	3.0	32	1000	€ 280,-	10.0 kg	€ 499,-	10.8 kg	€ 307,-	9.9 kg		
LM90.30.78	30	3.0	40	1100	€ 280,-	12.0 kg	€ 499,-	13.0 kg	€ 307,-	11.8 kg		
LM90.40.78	40	4.0	50	1300	€ 280,-	13.0 kg	€ 499,-	14.0 kg	€ 307,-	12.8 kg		
LM90.50.78	50	4.0	60	1500	€ 356,-	19.5 kg	€ 603,-	21.0 kg	€ 389,-	19.2 kg		
LM90.60.78	60	5.0	70	1500	€ 250,-	23.0 kg	€ 468,-	24.9 kg	€ 277,-	22.7 kg		
LM90.80.78	80	5.0	90	1500	€ 494,-	25.5 kg	€ 768,-	27.6 kg	€ 486,-	25.1 kg		
LM90.100.78	100	8.0	120	1200	€ 527,-	31.0 kg	€ 1.021,-	33.5 kg	€ 572,-	30.6 kg		

Verfügbar auch 510mm Länge und 550mm
Sektionierung
(20,20,25,25,30,35,40,40,45,75,75,120)



78°

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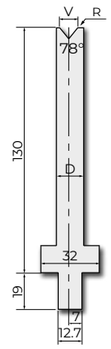
42Cr: 900-1150 N/mm²

Siehe Tabelle

H=130 mm

	V [mm]	R [mm]	D [mm]	kN/m max.	508 mm	F		550 mm	FC		2 x 250 mm	
LM130.06.78	6	1.0	12	400	€ 322,-	8.3 kg	€ 628,-	9.0 kg	€ 356,-	8.2 kg		
LM130.08.78	8	1.0	12	400	€ 322,-	8.4 kg	€ 628,-	9.1 kg	€ 356,-	8.3 kg		
LM130.10.78	10	1.0	14	500	€ 322,-	10.1 kg	€ 628,-	11.0 kg	€ 356,-	10.0 kg		
LM130.12.78	12	2.0	18	600	€ 322,-	11.1 kg	€ 628,-	12.0 kg	€ 356,-	10.9 kg		
LM130.16.78	16	2.5	25	800	€ 322,-	14.3 kg	€ 628,-	15.5 kg	€ 356,-	14.1 kg		

Verfügbar auch 510mm Länge und 550mm
Sektionierung
(20,20,25,25,30,35,40,40,45,75,75,120)



78°

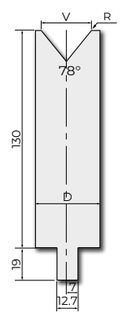
42Cr: 900-1150 N/mm²

Siehe Tabelle

H=130 mm

	V [mm]	R [mm]	D [mm]	kN/m max.	508 mm	F		550 mm	FC		2 x 250 mm	
LM130.20.78	20	3.0	32	1000	€ 322,-	17.5 kg	€ 628,-	19.0 kg	€ 356,-	17.2 kg		
LM130.24.78	24	3.0	32	1000	€ 322,-	17.0 kg	€ 628,-	18.5 kg	€ 356,-	16.8 kg		
LM130.30.78	30	3.0	40	1100	€ 347,-	20.7 kg	€ 658,-	22.4 kg	€ 380,-	20.4 kg		
LM130.40.78	40	4.0	50	1300	€ 379,-	26.6 kg	€ 764,-	28.9 kg	€ 413,-	26.2 kg		
LM130.50.78	50	4.0	60	1500	€ 463,-	34.2 kg	€ 863,-	37.0 kg	€ 502,-	33.6 kg		
LM130.60.78	60	5.0	70	1500	€ 522,-	34.2 kg	€ 940,-	37.0 kg	€ 563,-	33.6 kg		
LM130.80.78	80	5.0	90	1500	€ 714,-	42.3 kg	€ 1.123,-	45.8 kg	€ 767,-	41.6 kg		

Verfügbar auch 510mm Länge und 550mm
Sektionierung
(20,20,25,25,30,35,40,40,45,75,75,120)



78°

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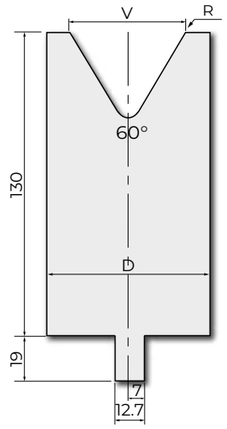
42Cr: 900-1150 N/mm²

Siehe Tabelle

H=130 mm

	V [mm]	R [mm]	D [mm]	kN/m max.	508 mm			F	550 mm			FC	2 x 250 mm		
LM130.30.60	30	3.0	40	500		€ 379,-	20.4 kg		€ 660,-	22.1 kg			€ 416,-	20.1 kg
LM130.40.60	40	5.0	55	660		€ 418,-	26.8 kg		€ 805,-	29.1 kg			€ 464,-	26.4 kg
LM130.50.60	50	5.0	70	1050		€ 463,-	33.0 kg		€ 862,-	35.7 kg			€ 511,-	32.5 kg
LM130.60.60	60	7.0	80	1200		€ 552,-	36.5 kg		€ 969,-	39.6 kg			€ 604,-	36.0 kg
LM130.80.60	80	8.0	102	1750		€ 755,-	43.0 kg		€ 1.210,-	46.6 kg			€ 848,-	42.4 kg
LM130.100.60	100	8.0	120	1600		€ 842,-	47.6 kg		€ 1.510,-	51.5 kg			€ 989,-	46.8 kg
LM130.120.60	120	8.0	145	1300		€ 950,-	51.0 kg		€ 2.054,-	55.2 kg			€ 1.112,-	50.2 kg

Verfügbar auch 510mm Länge und 550mm
Sektionierung
(20,20,25,25,30,35,40,40,45,75,75,120)



60°

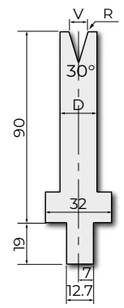
42Cr: 900-1150 N/mm²

Siehe Tabelle

H=90 mm

	V [mm]	R [mm]	D [mm]	kN/m max.	508 mm			F	550 mm			FC	2 x 250 mm		
LM90.06.30	6	0.8	16	200		€ 280,-	8.0 kg		€ 499,-	8.6 kg			€ 307,-	7.9 kg
LM90.08.30	8	1.0	18	220		€ 280,-	8.0 kg		€ 499,-	8.6 kg			€ 307,-	7.9 kg
LM90.10.30	10	1.2	25	300		€ 280,-	8.0 kg		€ 499,-	8.6 kg			€ 307,-	7.9 kg

Verfügbar auch 510mm Länge und 550mm
Sektionierung
(20,20,25,25,30,35,40,40,45,75,75,120)



30°

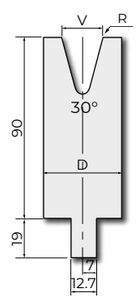
42Cr: 900-1150 N/mm²

Siehe Tabelle

H=90 mm

	V [mm]	R [mm]	D [mm]	kN/m max.	508 mm			F	550 mm			FC	2 x 250 mm		
LM90.12.30	12	1.2	32	380		€ 302,-	11.9 kg		€ 521,-	12.6 kg			€ 330,-	11.8 kg
LM90.16.30	16	3.0	32	380		€ 302,-	11.5 kg		€ 521,-	12.4 kg			€ 330,-	11.4 kg
LM90.20.30	20	3.0	40	380		€ 319,-	13.8 kg		€ 537,-	15.0 kg			€ 347,-	13.6 kg
LM90.24.30	24	3.0	50	550		€ 319,-	13.0 kg		€ 537,-	14.0 kg			€ 347,-	12.8 kg

Verfügbar auch 510mm Länge und 550mm
Sektionierung
(20,20,25,25,30,35,40,40,45,75,75,120)



30°

R4

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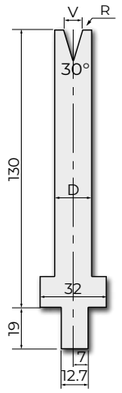
42Cr: 900-1150 N/mm²

Siehe Tabelle

H=130 mm

	V [mm]	R [mm]	D [mm]	kN/m max.				F				FC			
LM130.06.30	6	0.8	16	200	508 mm	€ 384,-	10.0 kg	550 mm	€ 663,-	10.8 kg	2 x 250 mm	€ 415,-	9.8 kg
LM130.08.30	8	1.0	18	220		€ 384,-	10.9 kg		€ 663,-	11.8 kg		€ 415,-	10.7 kg
LM130.10.30	10	1.2	25	300		€ 384,-	14.0 kg		€ 663,-	15.1 kg		€ 415,-	13.8 kg

Verfügbar auch 510mm Länge und 550mm
Sektionierung
(20,20,25,25,30,35,40,40,45,75,75,120)



30°

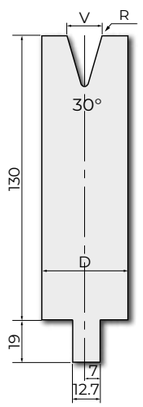
42Cr: 900-1150 N/mm²

Siehe Tabelle

H=130 mm

	V [mm]	R [mm]	D [mm]	kN/m max.				F				FC			
LM130.12.30	12	2.0	32	380	508 mm	€ 384,-	17.1 kg	550 mm	€ 663,-	18.5 kg	2 x 250 mm	€ 415,-	16.9 kg
LM130.16.30	16	3.0	32	380		€ 390,-	20.8 kg		€ 671,-	22.6 kg		€ 425,-	20.5 kg
LM130.20.30	20	3.0	40	380		€ 390,-	20.3 kg		€ 671,-	22.0 kg		€ 425,-	20.0 kg
LM130.24.30	24	3.0	50	550		€ 412,-	24.4 kg		€ 800,-	26.4 kg		€ 459,-	24.0 kg

Verfügbar auch 510mm Länge und 550mm
Sektionierung
(20,20,25,25,30,35,40,40,45,75,75,120)

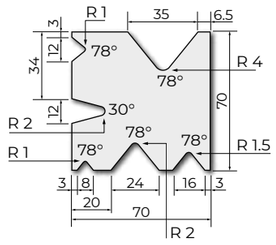


30°

42Cr: 900-1150 N/mm²

LM70

				V [mm]	12	12	35	24	16	8
508 mm		16.8 kg		R [mm]	30°	78°	78°	78°	78°	78°
550 mm		18.2 kg	F	kN/m max.	1300	600	1300	1200	950	950

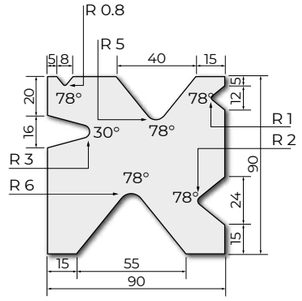


30° 78°

42Cr: 900-1150 N/mm²

LM90

				V [mm]	8	40	12	24	55	16
508 mm		25.4 kg		R [mm]	78°	78°	78°	78°	78°	30°
550 mm		27.5 kg	F	kN/m max.	550	1400	550	650	1000	1000

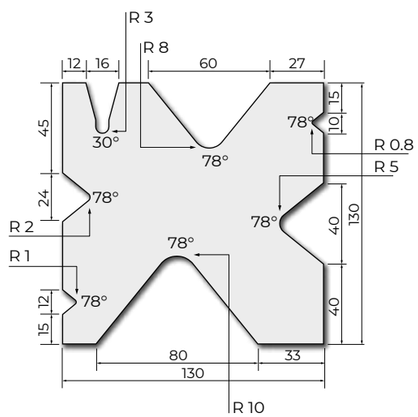


30° 78°

42Cr: 900-1150 N/mm²

LM130

				V [mm]	16	60	10	80	40	12	24
508 mm		51.8 kg		R [mm]	30°	78°	78°	78°	78°	78°	78°
550 mm		56.1 kg	F	kN/m max.	650	1500	650	1250	1500	480	1500

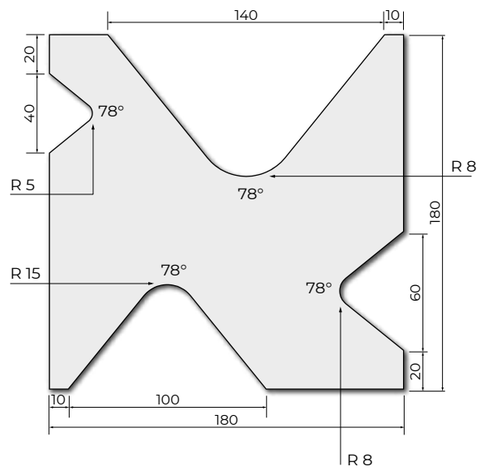


30° 78°

42Cr: 900-1150 N/mm²

LM180

				V [mm]	140	60	100	40
508 mm		25.4 kg		R [mm]	78°	78°	78°	78°
550 mm		27.5 kg	F	kN/m max.	550	650	700	320



78°

R4

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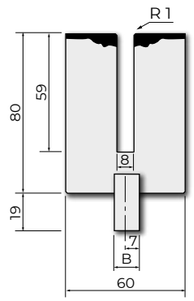
42Cr: 900-1150 N/mm² — 500 kN/m max. - 1000 kN/m max.

LP.SM-190.20.8-12.7 / -12

525 mm	€ 366,-	18.7 kg		
495 mm	€ 648,-	17.7 kg	F	B=12.7 mm
2x250 mm	€ 392,-	17.8 kg	FC	

525 mm	€ 366,-	18.7 kg		
495 mm	€ 648,-	17.7 kg	F	B=12 mm
2x250 mm	€ 392,-	17.8 kg	FC	

Zu verwenden mit:
- LP.SP-190.20.8 (s. 156)



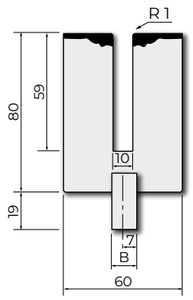
42Cr: 900-1150 N/mm² — 500 kN/m max. - 1000 kN/m max.

LP.SM-190.20.10-12.7 / -12

525 mm	€ 366,-	18.3 kg		
495 mm	€ 648,-	17.2 kg	F	B=12.7 mm
2x250 mm	€ 392,-	17.4 kg	FC	

525 mm	€ 366,-	18.3 kg		
495 mm	€ 648,-	17.2 kg	F	B=12 mm
2x250 mm	€ 392,-	17.4 kg	FC	

Zu verwenden mit:
- LP.SP-190.20.10 (s. 156)



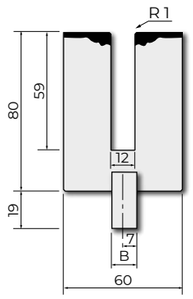
42Cr: 900-1150 N/mm² — 500 kN/m max. - 1000 kN/m max.

LP.SM-190.20.12-12.7 / -12

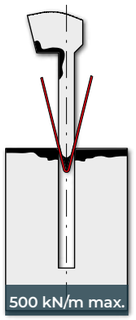
525 mm	€ 366,-	17.8 kg		
495 mm	€ 648,-	16.7 kg	F	B=12.7 mm
2x250 mm	€ 392,-	16.9 kg	FC	

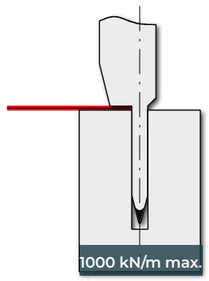
525 mm	€ 366,-	17.8 kg		
495 mm	€ 648,-	16.7 kg	F	B=12 mm
2x250 mm	€ 392,-	16.9 kg	FC	

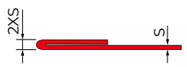
Zu verwenden mit:
- LP.SP-190.20.12 (s. 156)



Anwendungsbeispiel







S [mm]	A [mm]	R.420 N/mm² kN/m	R.700 N/mm² kN/m
0.6	3.0	90	150
0.8	3.0	120	200
1.0	3.5	150	250
1.25	3.5	170	260

S [mm]	A [mm]	R.420 N/mm² kN/m	R.700 N/mm² kN/m
0.6	1.2	230	350
0.8	1.6	320	500
1.0	1.0	400	600
1.25	2.5	500	800

R4

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WERKZEUGE ROLLERI TYP RX

▼ **KOMPATIBILITÄT**

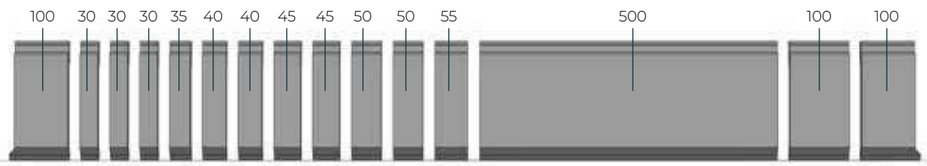
American
Ajail-Axial
Colly
Colgar
EHT
Gasparini
Hämmerle - Bystronic
Ursviken
Weinbrenner

Colly	
Kompatible Werkzeuge RX Colly	172 - 180
Oberwerkzeuge	172 - 176
Matrizen	177 - 180
Ajial-Axial	
Kompatible Werkzeuge RX Ajial-Axial	181 - 182
Oberwerkzeuge	181
Gasparini	
Kompatible Werkzeuge RX Gasparini	183 - 186
Radius Tool Holders	184 - 185
Oberwerkzeuge	186
Colgar	
Kompatible Werkzeuge RX Colgar	187 - 188
Oberwerkzeuge	188
Ursviken	
Kompatible Werkzeuge RX Ursviken	189
Oberwerkzeuge	189
Matrizen	189
EHT	
Kompatible Werkzeuge RX EHT	190
Erläuterungen	190
Weinbrenner	
Kompatible Werkzeuge RX Weinbrenner	191
Erläuterungen	191
American	NEU - FRAGEN SIE DEN KOMPLETTEN ROLLERI KATALOG AN
Kompatible Werkzeuge R American	
Hämmerle - Bystronic	NEU - FRAGEN SIE DEN KOMPLETTEN ROLLERI KATALOG AN
Kompatible Werkzeuge R Hämmerle-Bystronic	

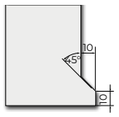
WERKZEUGLÄNGEN UND SEGMENTIERUNGEN

1020 mm

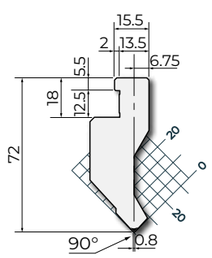
Gesamtlänge 1250 mm



Hornstücke

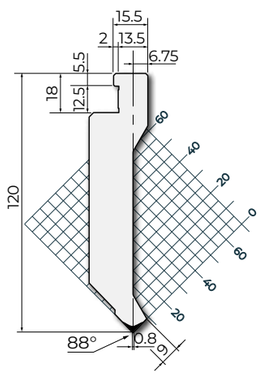


C45: 560-710 N/mm²				700 kN/m max.
CP72.90.08				
1020 mm	€	205,-	10.2 kg	
1250 mm	€	306,-	12.5 kg	F



90°

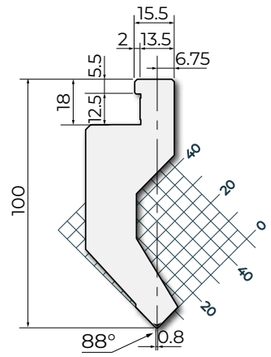
C45: 560-710 N/mm²				700 kN/m max.
CP120.88.08				
1020 mm	€	244,-	18.5 kg	
1250 mm	€	392,-	22.6 kg	F



88°

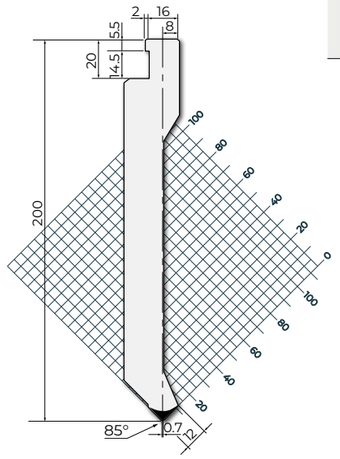
Oberwerkzeuge RX Colly

42Cr: 900-1150 N/mm²				500 kN/m max.
CP100.88.08-A				
1020 mm	€	275,-	16.7 kg	
1250 mm	€	406,-	20.4 kg	F



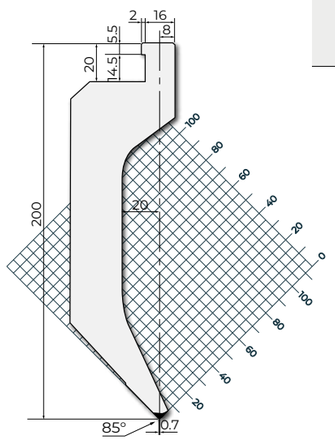
88°

42Cr: 900-1150 N/mm²				1000 kN/m max.
CP200.85.07				
1020 mm	€	853,-	31.6 kg	
1250 mm	€	1.641,-	39.0 kg	F



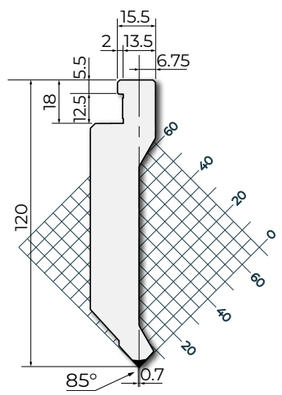
85°

42Cr: 900-1150 N/mm²				750 kN/m max.
CP200.85.07-A				
1020 mm	€	1.284,-	49.0 kg	
1250 mm	€	2.203,-	60.0 kg	F



85°

C45: 560-710 N/mm²				700 kN/m max.
CP120.85.07				
1020 mm	€	244,-	17.9 kg	
1250 mm	€	392,-	21.9 kg	F



85°

RX

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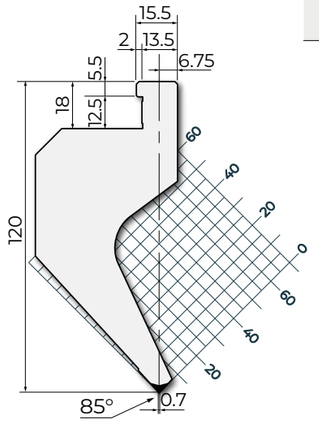
C45: 560-710 N/mm² — 450 kN/m max.

CP120.85.07-A

1020 mm	€ 432,-	25.5 kg	
1250 mm	€ 551,-	49.0 kg	F

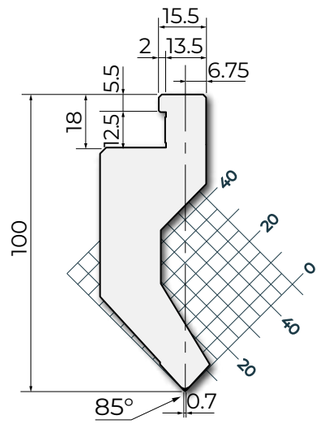


85°

C45: 560-710 N/mm² — 500 kN/m max.

CP100.85.07-A

1020 mm	€ 275,-	17.0 kg	
1250 mm	€ 406,-	49.0 kg	F

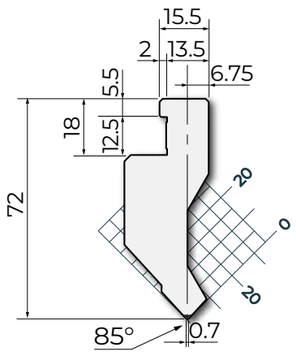


85°

C45: 560-710 N/mm² — 700 kN/m max.

CP72.85.07

1020 mm	€ 205,-	10.0 kg	
1250 mm	€ 306,-	49.0 kg	F

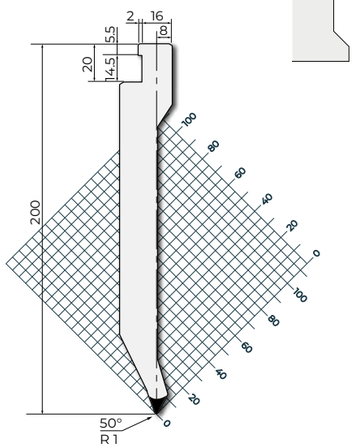


85°

42Cr: 900-1150 N/mm² — 1000 kN/m max.

CP200.50.R1

1020 mm	€ 908,-	49.0 kg	
1250 mm	€ 1.713,-	38.0 kg	F



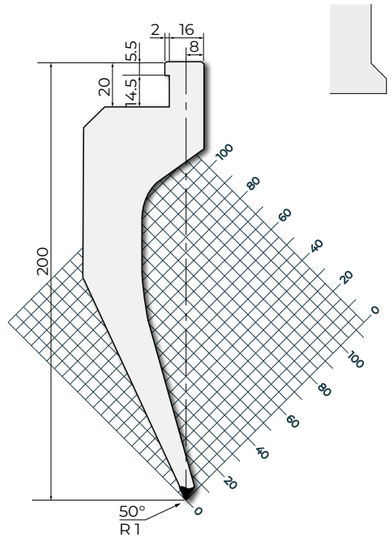
50°

Oberwerkzeuge RX Colly

42Cr: 900-1150 N/mm² — 550 kN/m max.

CP200.50.R1-A

1020 mm	€ 1.352,-	52.0 kg	
1250 mm	€ 2.265,-	47.0 kg	F

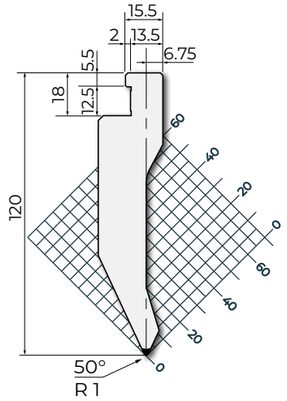


50°

C45: 560-710 N/mm² — 1000 kN/m max.

CP120.50.R1

1020 mm	€ 460,-	17.0 kg	
1250 mm	€ 737,-	38.0 kg	F

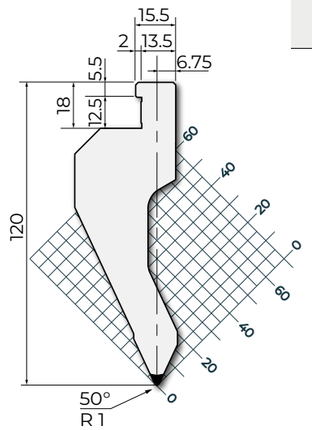


50°

42Cr: 900-1150 N/mm² — 550 kN/m max.

CP120.50.R1-A

1020 mm	€ 665,-	21.0 kg	
1250 mm	€ 782,-	38.0 kg	F

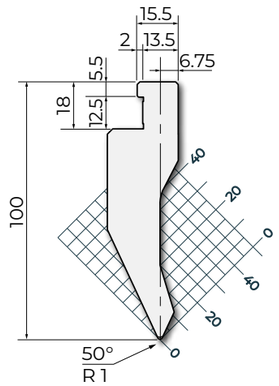


50°

42Cr: 900-1150 N/mm² — 1000 kN/m max.

CP100.50.R1

1020 mm	€ 421,-	13.0 kg	
1250 mm	€ 680,-	38.0 kg	F



50°

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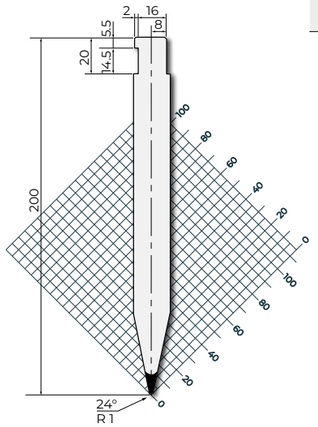
C45: 560-710 N/mm² — 1300 kN/m max.

CP200.24.R1

1020 mm	€ 888,-	49.0 kg	
1250 mm	€ 1.688,-	38.0 kg	F

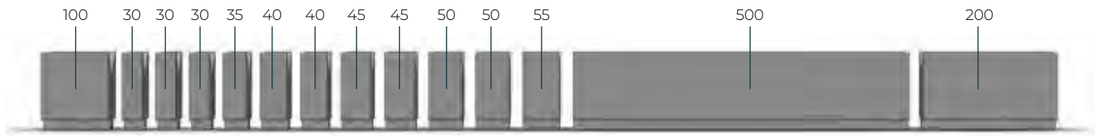


24°

WERKZEUGLÄNGEN UND SEGMENTIERUNGEN

1020 mm

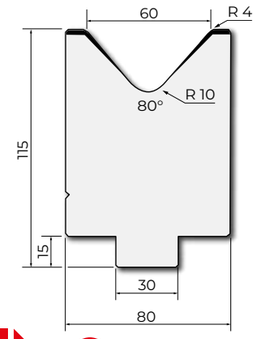
Gesamtlänge 1250 mm



C45: 560-710 N/mm² — 1200 kN/m max.

M115.80.60

1020 mm		60.0 kg	
1250 mm		73.6 kg	F

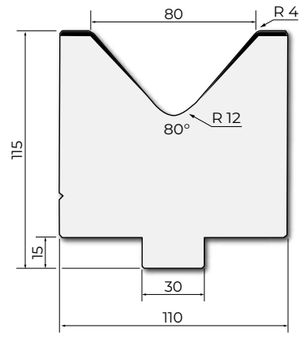


80°

C45: 560-710 N/mm² — 1000 kN/m max.

M115.80.80

1020 mm		80.0 kg	
1250 mm		98.0 kg	F

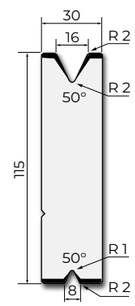


80°

C45: 560-710 N/mm² — 600 kN/m max.

M115.50.16

1020 mm		26.5 kg	
1250 mm		32.4 kg	F

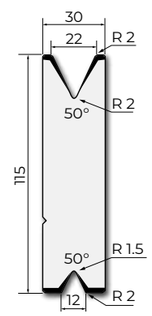


50°

C45: 560-710 N/mm² — 500 kN/m max.

M115.50.22

1020 mm		25.5 kg	
1250 mm		31.2 kg	F



50°

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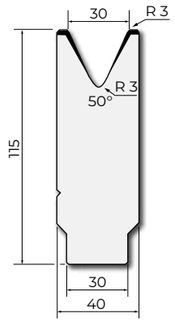
C45: 560-710 N/mm² — 400 kN/m max.

M115.50.30

1020 mm		34.5 kg
1250 mm		43.0 kg F

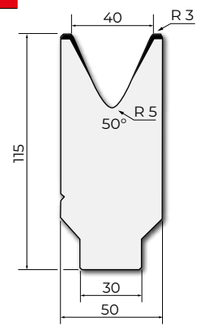


50°

C45: 560-710 N/mm² — 400 kN/m max.

M115.50.40

1020 mm		36.0 kg
1250 mm		44.0 kg F

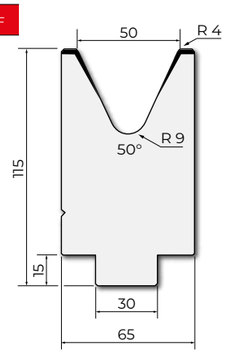


50°

C45: 560-710 N/mm² — 600 kN/m max.

M115.50.50

1020 mm		45.5 kg
1250 mm		55.7 kg F

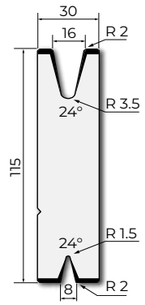


50°

C45: 560-710 N/mm² — 8: 700 kN/m max. - 16: 300 kN/m max.

M115.24.16

1020 mm		24.9 kg
1250 mm		31.0 kg F



24°

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C45: 560-710 N/mm² — Siehe Tabelle

MC112.3050

3050 mm		188.0 kg

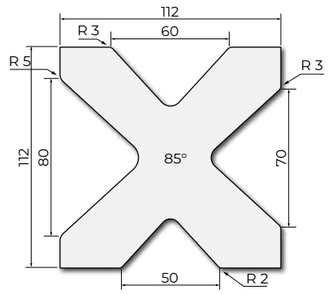
	V1	V2	V3	V4
V [mm]	60	70	50	80
°	85°	85°	85°	85°
R [mm]	3.0	3.0	2.0	5.0
kN/m max.	850	900	800	800

C45: 560-710 N/mm² — Siehe Tabelle

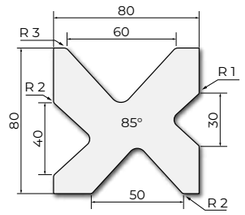
MC80.2050 / MC80.3050

2050 mm		66.0 kg
3050 mm		98.0 kg F

	V1	V2	V3	V4
V [mm]	60	30	50	40
°	85°	85°	85°	85°
R [mm]	3.0	2.0	2.0	1.0
kN/m max.	750	750	750	750



85°



85°

C45: 560-710 N/mm² — Siehe Tabelle

MC74.2050 / MC74.3050

2050 mm		67.0 kg
3050 mm		101.0 kg F

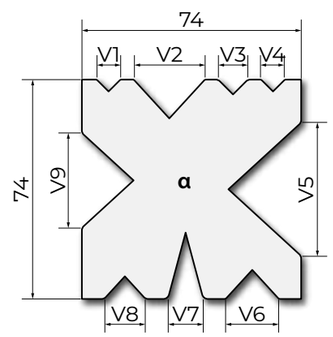
	V1	V2	V3	V4	V5	V6	V7	V8	V9
V [mm]	8	24	10	8	45	18	12	14	32
°	90°	85°	90°	90°	85°	85°	30°	85°	85°
R [mm]	0.8	0.8	2.0	0.8	2.0	1.0	2.0	2.0	2.0
kN/m max.	500	600	600	500	550	500	550	550	550

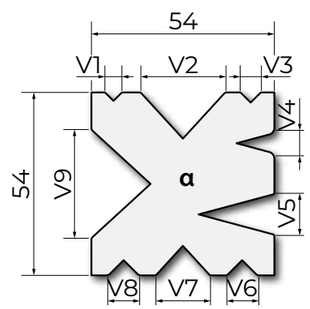
C45: 560-710 N/mm² — Siehe Tabelle

MC54.2050 / MC54.3050

2050 mm		35.6 kg
3050 mm		53.0 kg F

	V1	V2	V3	V4	V5	V6	V7	V8	V9
V [mm]	6	25	6	6	12	9	16	9	32
°	90°	85°	90°	30°	30°	90°	85°	90°	85°
R [mm]	0.5	1.0	0.5	2.0	0.5	1.0	0.5	1.5	1.0
kN/m max.	500	600	600	500	550	500	550	550	550





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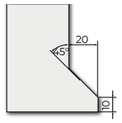
WERKZEUGLÄNGEN UND SEGMENTIERUNGEN

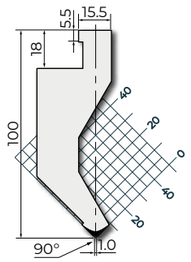
1020 mm

Gesamtlänge 990 mm

Hornstücke

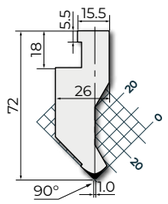


C45: 560-710 N/mm²		1000 kN/m max.
AXP.100.90.1		
1020 mm		16.3 kg
990 mm		15.2 kg F



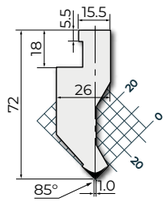
90°

C45: 560-710 N/mm²		1000 kN/m max.
AXP.72.90.1		
1020 mm		10.0 kg
990 mm		9.7 kg F



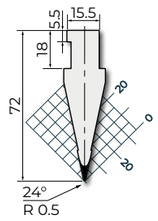
90°

C45: 560-710 N/mm²		1000 kN/m max.
AXP.72.85.1		
1020 mm		10.0 kg
990 mm		9.7 kg F



85°

C45: 560-710 N/mm²		1000 kN/m max.
AXP.72.24.R05		
1020 mm		7.1 kg
990 mm		6.9 kg F



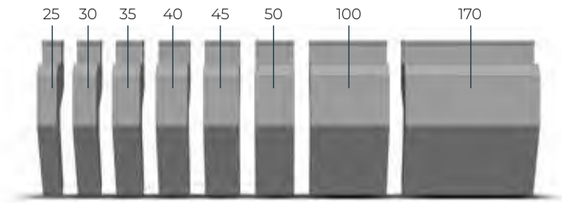
24°

WERKZEUGLÄNGEN UND SEGMENTIERUNGEN

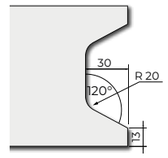
▸ OBERWERKZEUGE

525 mm

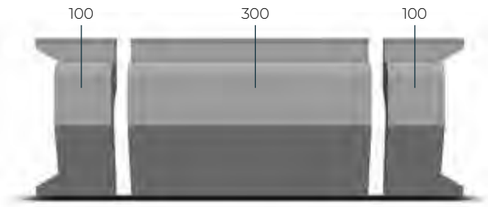
Gesamtlänge 495 mm



Hornstücke



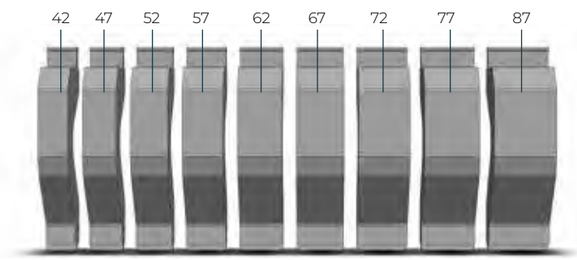
Gesamtlänge 500 mm



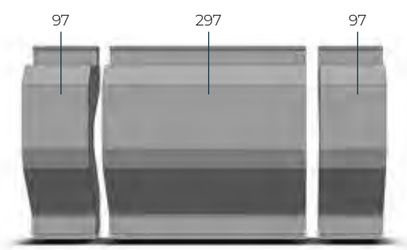
▸ RADIENHALTER

522 mm

Gesamtlänge 563 mm



Gesamtlänge 491 mm



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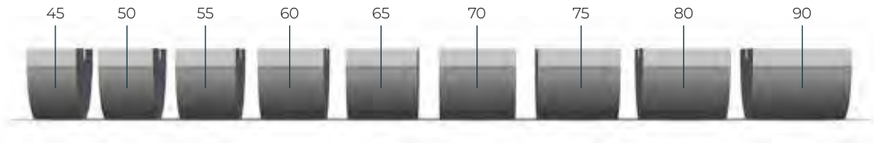
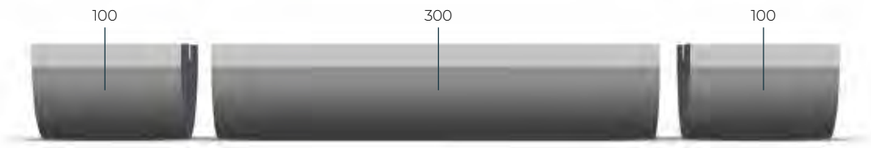
▸ RADIENWERKZEUGE

525 mm

Gesamtlänge 590 mm



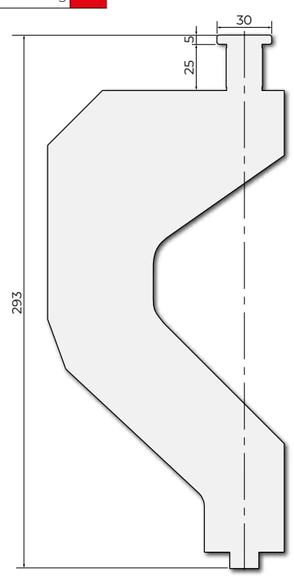
Gesamtlänge 500 mm



C45: 560-710 N/mm² — 1000 kN/m max.

GASP293-16

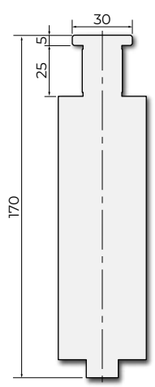
522 mm	€ 2.256,-	83.0 kg	
563 mm	€ 3.485,-	89.5 kg	F
491 mm	€ 2.566-	78.0 kg	F



C45: 560-710 N/mm² — 1800 kN/m max.

GASP170-16

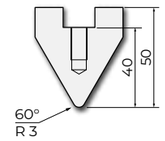
522 mm	€ 1.129,-	24.0 kg	
563 mm	€ 1.665,-	4.5 kg	F
491 mm	€ 1.269,-	4.5 kg	F



C45: 560-710 N/mm² — 1000 kN/m max.

GASP40.60.03

525 mm	€ 360,-	4.7 kg	
590 mm	€ 541,-	5.3 kg	FX
500 mm	€ 439,-	4.5 kg	F

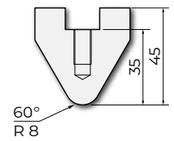


60°

C45: 560-710 N/mm² — 1000 kN/m max.

GASP35.60.08

525 mm	€ 347,-	4.7 kg	
590 mm	€ 526,-	5.3 kg	FX
500 mm	€ 424,-	4.5 kg	F

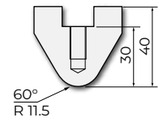


60°

C45: 560-710 N/mm² — 1000 kN/m max.

GASP30.60.11.5

525 mm	€ 347,-	4.2 kg	
590 mm	€ 526,-	4.7 kg	FX
500 mm	€ 424,-	4.0 kg	F

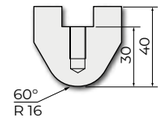


60°

C45: 560-710 N/mm² — 1000 kN/m max.

GASP30.60.16

525 mm	€ 347,-	4.7 kg	
590 mm	€ 526,-	5.3 kg	FX
500 mm	€ 424,-	4.5 kg	F

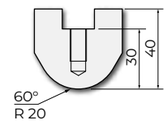


60°

C45: 560-710 N/mm² — 1000 kN/m max.

GASP30.60.20

525 mm	€ 347,-	5.0 kg	
590 mm	€ 526,-	5.6 kg	FX
500 mm	€ 424,-	4.3 kg	F

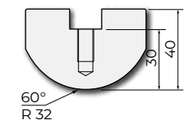


60°

C45: 560-710 N/mm² — 1000 kN/m max.

GASP30.60.32

525 mm	€ 378,-	7.0 kg	
590 mm	€ 572,-	7.8 kg	FX
500 mm	€ 463,-	6.7 kg	F

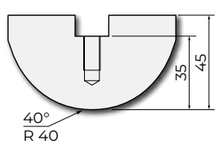


60°

C45: 560-710 N/mm² — 1500 kN/m max.

GASP35.40.40

525 mm	€ 419,-	10.5 kg	
590 mm	€ 604,-	11.8 kg	FX
500 mm	€ 512,-	10.0 kg	F

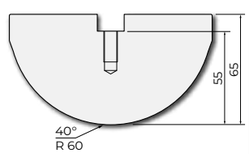


40°

C45: 560-710 N/mm² — 1800 kN/m max.

GASP55.40.60

525 mm	€ 572,-	24.4 kg	
590 mm	€ 768,-	27.4 kg	FX
500 mm	€ 670,-	23.2 kg	F



40°

RX

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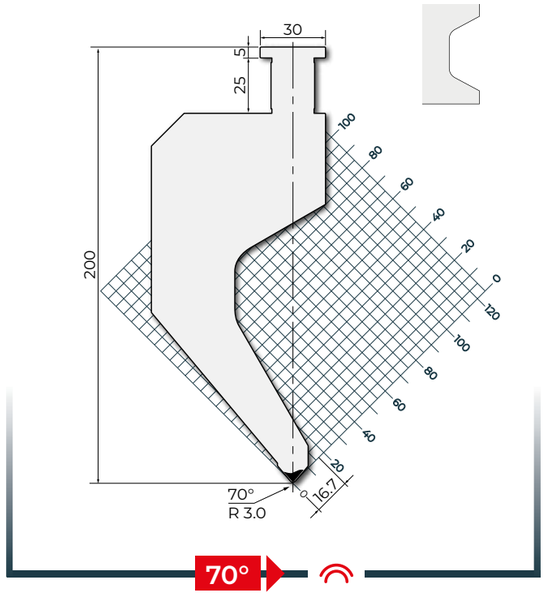
42Cr: 900-1150 N/mm² — 1000 kN/m max.

GASP200.70.R3-30

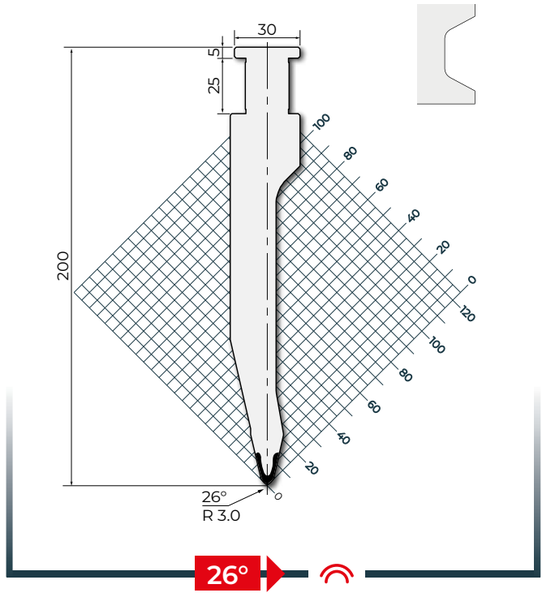
525 mm	€ 1.337,-	31.8 kg	
495 mm	€ 1.545,-	30.0 kg	F
500 mm	€ 1.475,-	30.3 kg	F



42Cr: 900-1150 N/mm² — 1300 kN/m max.

GASP200.26.R3-30

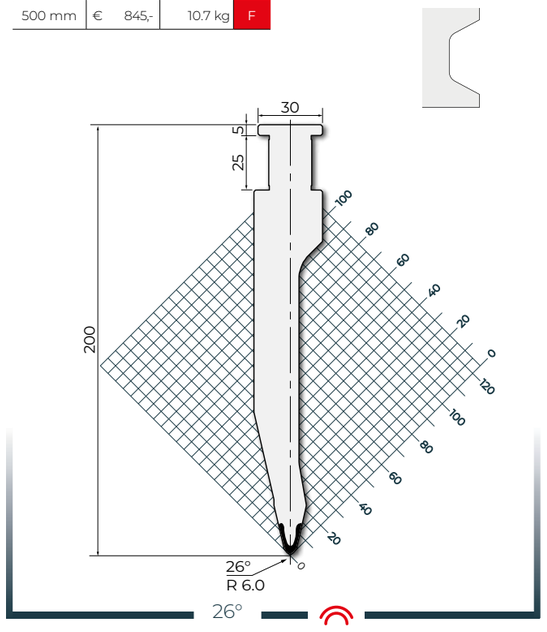
522 mm	€ 707,-	16.9 kg	
563 mm	€ 915,-	10.6 kg	F
491 mm	€ 845,-	10.7 kg	F



42Cr: 900-1150 N/mm² — 1300 kN/m max.

GASP200.26.R6-30

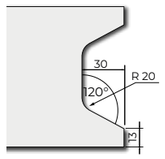
525 mm	€ 707,-	16.9 kg	
495 mm	€ 915,-	10.6 kg	F
500 mm	€ 845,-	10.7 kg	F



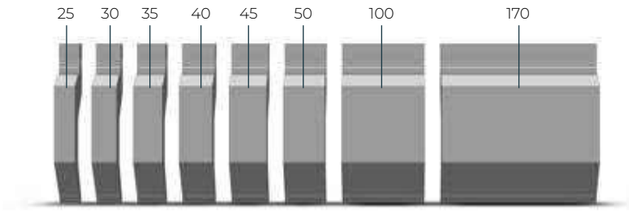
WERKZEUGLÄNGEN UND SEGMENTIERUNGEN

525 mm

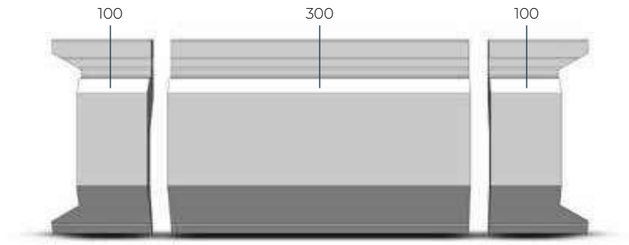
Hornstücke



Gesamtlänge 495 mm



Gesamtlänge 500 mm



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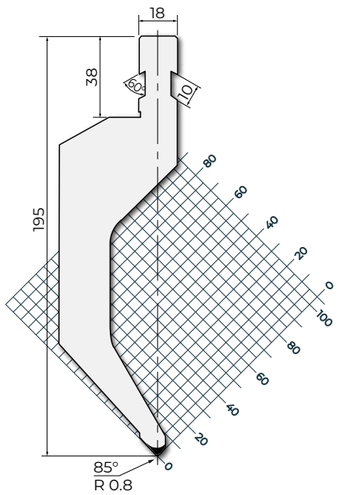
42Cr: 900-1150 N/mm² — 1000 kN/m max.

PAC195.85.R08

525 mm	€ 712,-	20.6 kg	
495 mm	€ 1.079,-	19.4 kg	F
500 mm	€ 879,-	19.6 kg	F

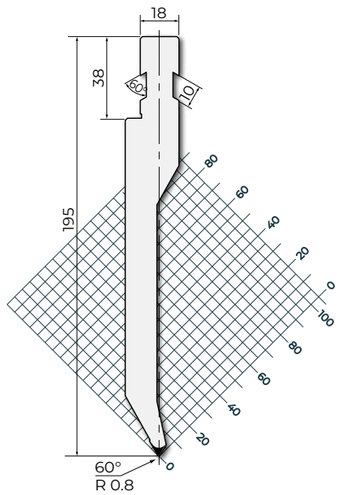


85°

42Cr: 900-1150 N/mm² — 1000 kN/m max.

PAC195.60.R08

522 mm	€ 464,-	12.0 kg	
563 mm	€ 816,-	11.3 kg	F
491 mm	€ 696,-	11.4 kg	F

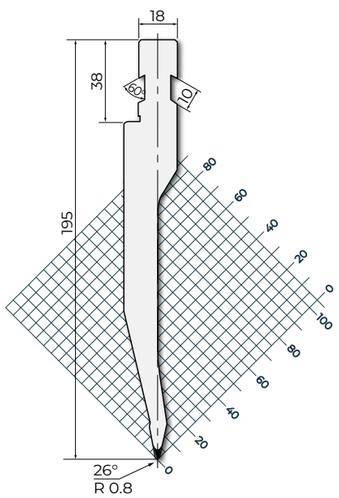


60°

42Cr: 900-1150 N/mm² — 1000 kN/m max.

PAC195.26.R08

525 mm	€ 464,-	12.0 kg	
495 mm	€ 816,-	11.3 kg	F
500 mm	€ 696,-	11.4 kg	F

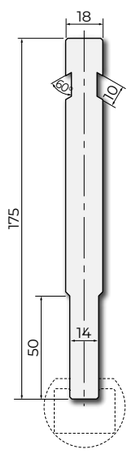


26°

C45: 560-710 N/mm² — 1000 kN/m max.

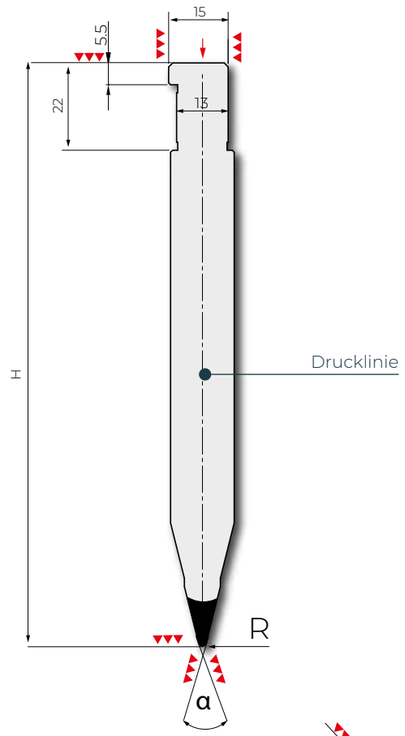
PAC175.14

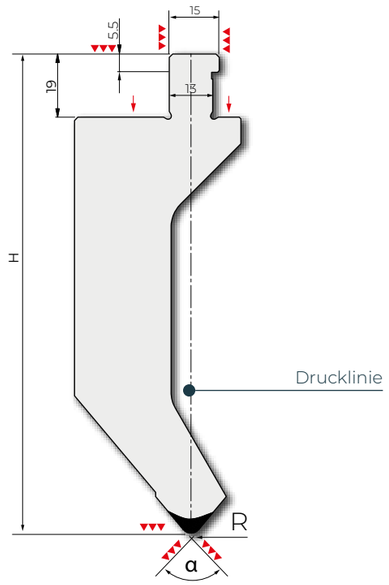
830 mm	€ 321,-	18.0 kg
412 mm	€ 184,-	9.0 kg

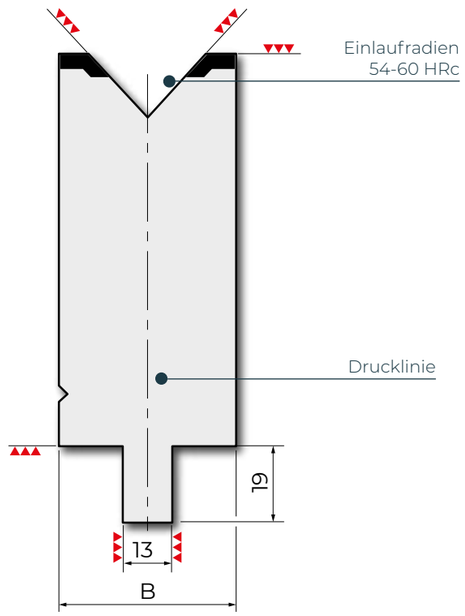


AUFNAHME

Bei Fragen zu unserer ganzen Produktpalette schreiben Sie bitte an sales@rolleri.de







0.8

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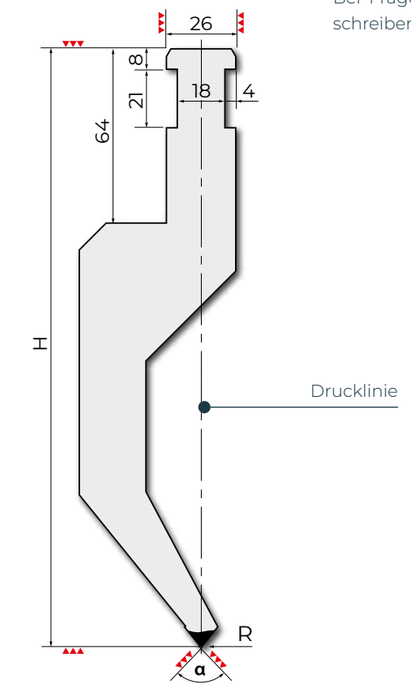

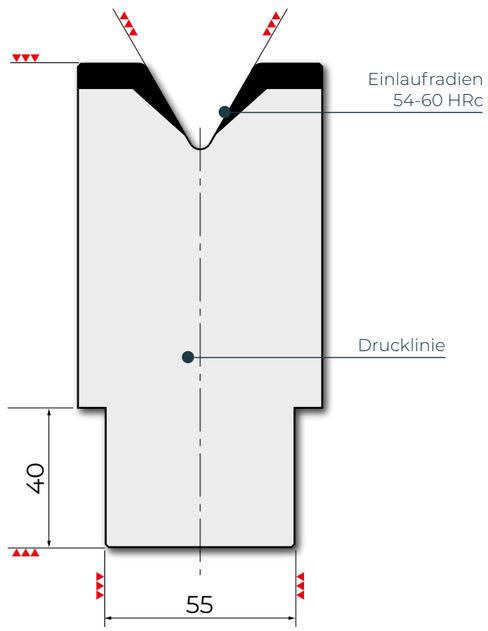

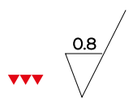

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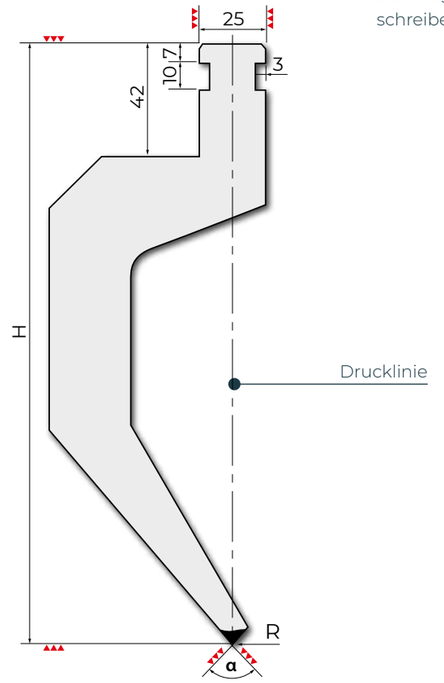
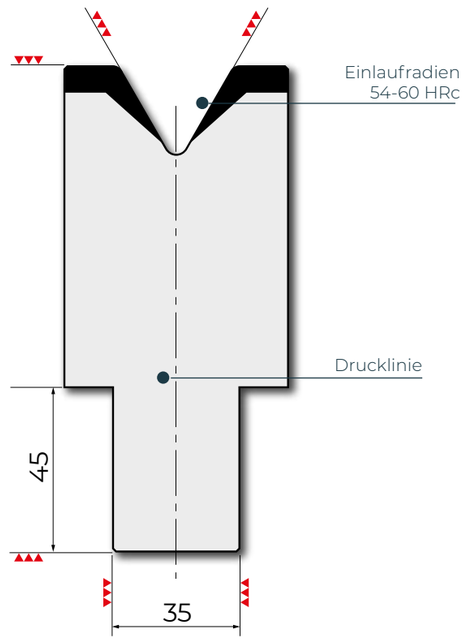
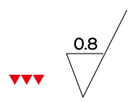
Bei Fragen zu unserer ganzen Produktpalette schreiben Sie bitte an sales@rolleri.de







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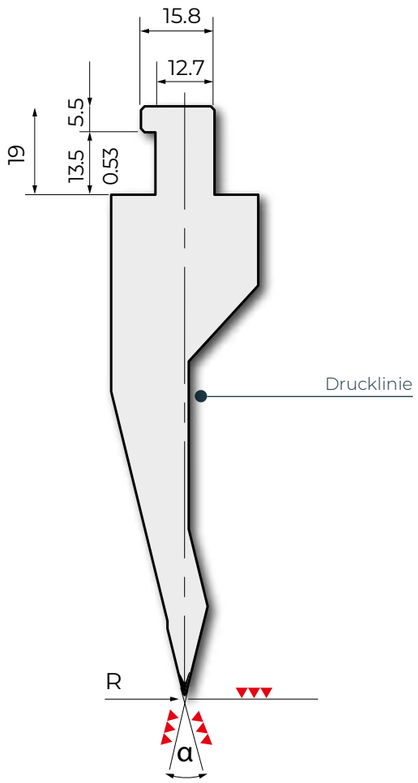
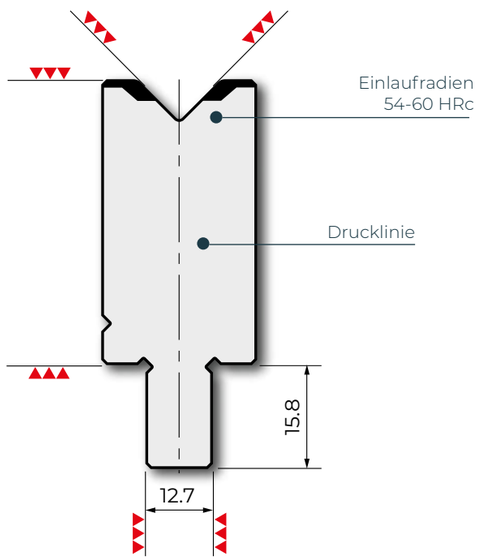
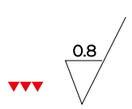
AUFNAHME

NEU - FRAGEN SIE DEN KOMPLETTEN ROLLERI KATALOG AN



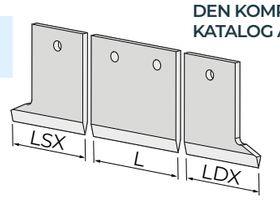




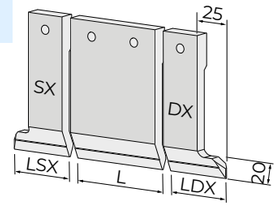
AUFNAHME

NEU - FRAGEN SIE DEN KOMPLETTEN ROLLERI KATALOG AN

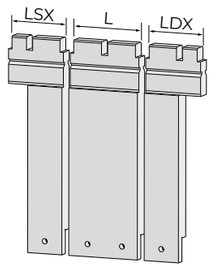
H11



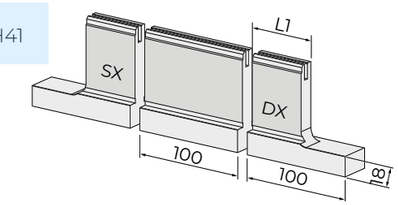
H12



H21



H31 - H41



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ROLLERI MATRIZEN ROLLA-V ONYX

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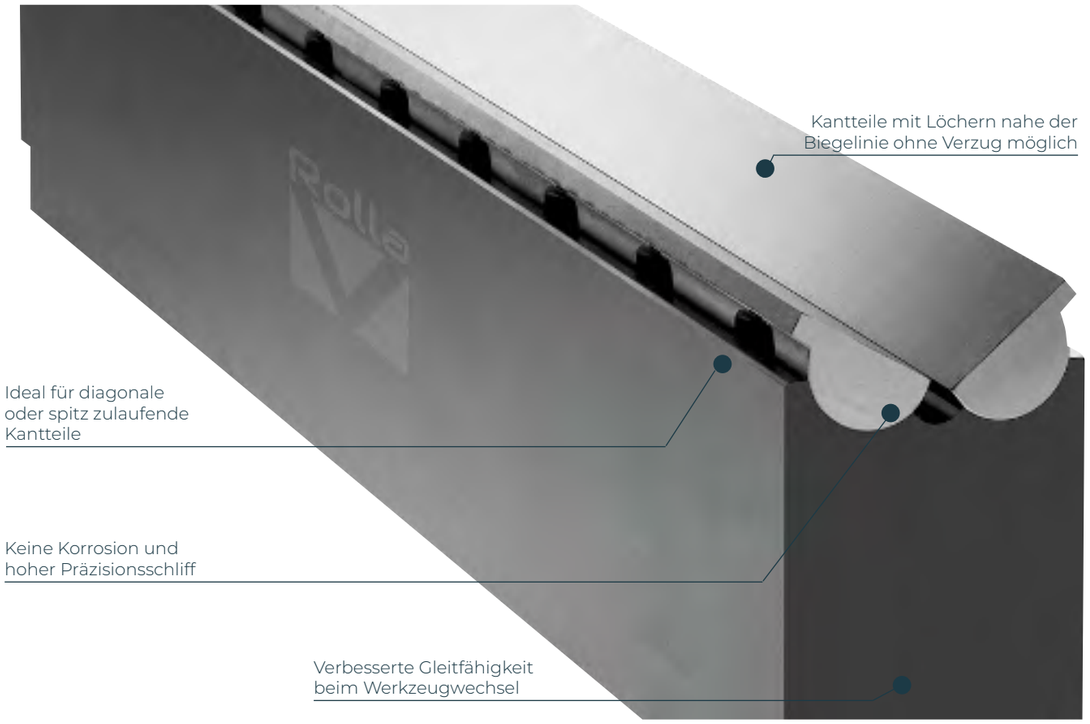

WERKZEUGLÄNGEN

200 mm

500 mm

Rolla-V Onyx Ref.	Modell	Aufnahme	Kompatibilität	Rolleri Werkzeuge Typ
RVP	1, 2, 3	60 mm	sind kompatibel mit Abkantpressen von: ACL, Accurpress, AM Machinery, Amada, Atlantic, Adira, Baykal, BL, Boschert, Boutillon, Bystronic-BeyelerEuro-B, Coastone, Colgar, Dener, Deratech, Durmazlar, Ermaksan, Farina, Gade, Gasparini, Gizelis, Haco, Hindustan, Iturrospe, Jfy, LFK, MVD, Newton, Prima Power, Promecam, Rico, Salvagnini, Schiavi, SMD, Sorg, Somo, Vicla, Vimercati, Warcom, Yangli, Yawei, Ysd, u.v.m.	R1
RVS	1, 2, 3	14 mm	Typ Amada 1-V Matrizen	R1
RVT	1, 2, 3	13 mm	sind kompatibel mit Abkantpressen von: Bystronic, Beyeler, Edwards, Safan, SMD, Trumpf	R2 R3
RVT90	1, 2, 3	12.7 mm	sind kompatibel mit Abkantpressen von: LVD	R4
RVM	2.5, 3, 4	Verschiedene Aufnahmen	sin kompatibel mit verschiedenen Abkantpressen	-

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	Bei V [mm]	Max. Belastbarkeit (kN/m)	Materialdicke (mm)	Min. Biegewinkel	Benötigte Presskraft Stahl mit max. 450 N/mm2 (kN/m)	Benötigte Presskraft Edelstahl mit max. 700 N/mm2 (kN/m)	Min. Außenschenkel [mm]	Max. Außenradius
MODELL 1 empfohlene max. Materialdicke =1.5 mm [2.0 mm möglich]	8	1000	0.70	40°	50	70	3.0	3.0
		1000	1.10	35°	130	200	3.9	2.6
		1000	1.50	35°	270	410	4.2	2.2
MODELL 2 empfohlene max. Materialdicke =3.0 mm [4.0 mm möglich]	15	1500	2.00	59°	210	320	8.5	6.0
		1500	3.00	47°	550	850	9.3	5.0
		1500	3.20	47°	650	1000	9.3	4.8
MODELL 2.5 empfohlene max. Materialdicke =5.0 mm [6.35 mm möglich]	28	2500	2.00	46°	100	150	18.6	13.2
		2500	4.00	46°	470	730	18.6	12.0
		2500	6.00	55°	1270	1960	18.6	9.8
MODELL 3 empfohlene max. Materialdicke =6.3 mm [8.0 mm möglich]	38	2500	2.00	68°	70	110	22.5	13.9
		2500	4.00	47°	340	500	22.5	11.9
		2500	6.00	50°	900	1300	22.5	9.9
MODELL 4 empfohlene max. Materialdicke =16.0 mm	85	3000	6.00	78°	260	440	56.6	36.4
		3000	8.00	76°	500	840	56.6	36.4
		3000	12.00	73°	1290	2150	56.6	36.4

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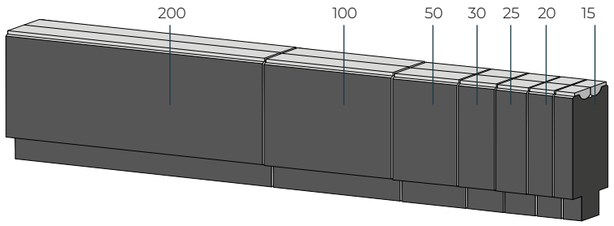
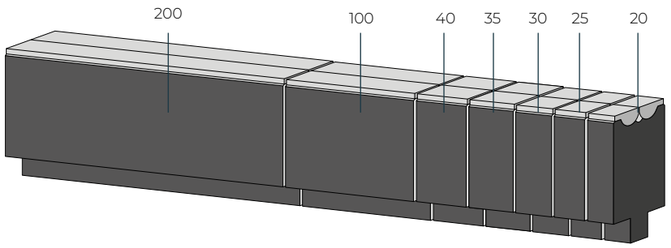
Erläuterungen

SEKTIONIERUNGEN

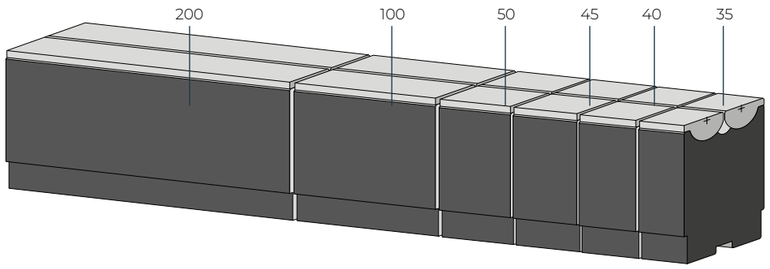
Modell 1: 440 mm - 7 segmente



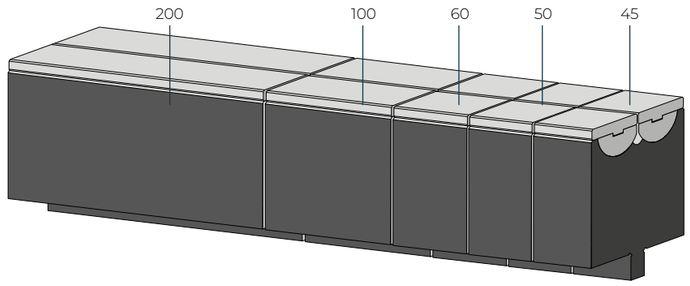
Modell 2: 450 mm - 7 segmente



Modell 2.5: 470 mm - 6 segmente

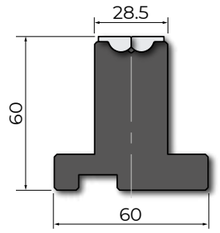


Modell 3: 455 mm - 5 segmente

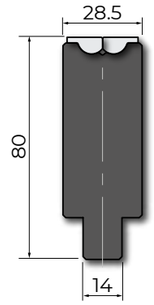


Matrizen Rolla-V Onyx - Modell 1

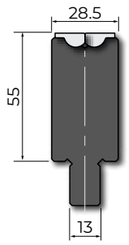
42Cr: 900-1150 N/mm²	Toolox 44	1000 kN/m max.
RVP60-1		
500 mm	€ 837,-	6.9 kg
440 mm	€ 1.655,-	6.1 kg F



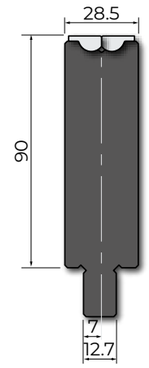
42Cr: 900-1150 N/mm²	Toolox 44	1000 kN/m max.
RVS80-1		
500 mm	€ 795,-	6.3 kg
440 mm	€ 2.016,-	5.8 kg F



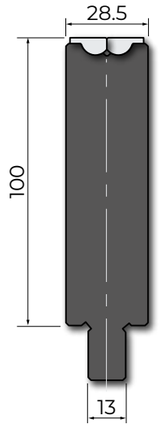
42Cr: 900-1150 N/mm²	Toolox 44	1000 kN/m max.
RVT55-1		
500 mm	€ 795,-	5.5 kg
440 mm	€ 2.016,-	5.0 kg F



42Cr: 900-1150 N/mm²	Toolox 44	1000 kN/m max.
RVT90-1		
500 mm	€ 967,-	9.4 kg
440 mm	€ 2.133,-	7.8 kg F



42Cr: 900-1150 N/mm²	Toolox 44	1000 kN/m max.
RVT100-1		
500 mm	€ 852,-	9.4 kg
440 mm	€ 2.133,-	8.6 kg F



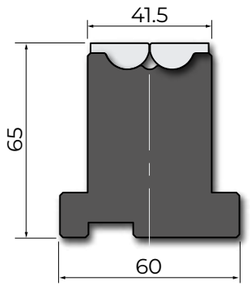
MODELL 1 - Eigenschaften			
Max. empfohlene Materialdicke	=1.5 mm [2.0 mm möglich]		
Materialdicke [mm]	0.70	1.10	1.50
bei V [mm]	8		
max. Belastbarkeit (kN/m)	1000	1000	1000
min. Biegewinkel	40°	35°	35°
benötigte Presskraft Stahl mit max. 450 N/mm2 (kN/m)	50	130	270
benötigte Presskraft Edelstahl mit max. 700 N/mm2 (kN/m)	70	200	410
min. Außenschenkel [mm]	3.0	3.9	4.2
max. Außenradius [mm]	3.0	2.6	2.2

Matrizen Rolla-V Onyx - Modell 2

42Cr: 900-1150 N/mm² | Toolox 44 | 1500 kN/m max.

RVP65-2

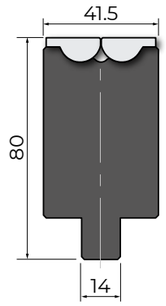
500 mm	€ 894,-	7.9 kg	
450 mm	€ 1.967,-	7.4 kg	F



42Cr: 900-1150 N/mm² | Toolox 44 | 1500 kN/m max.

RVS80-2

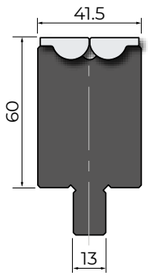
500 mm	€ 887,-	8.3 kg	
450 mm	€ 2.263,-	7.8 kg	F



42Cr: 900-1150 N/mm² | Toolox 44 | 1500 kN/m max.

RVT60-2

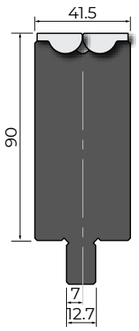
500 mm	€ 903,-	7.9 kg	
450 mm	€ 2.263,-	7.4 kg	F



42Cr: 900-1150 N/mm² | Toolox 44 | 1500 kN/m max.

RVT90-2

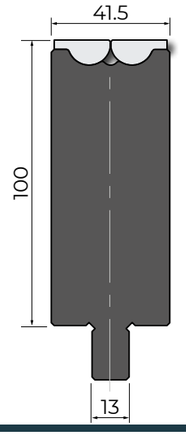
500 mm	€ 942,-	11.3 kg	
450 mm	€ 2.343,-	10.6 kg	F



42Cr: 900-1150 N/mm² | Toolox 44 | 1500 kN/m max.

RVT100-2

500 mm	€ 942,-	12.4 kg	
450 mm	€ 2.343,-	11.7 kg	F



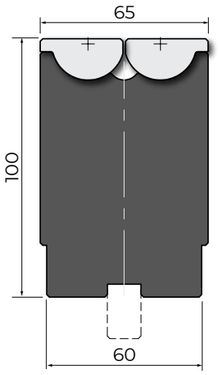
MODELL 2 - Eigenschaften			
Max. empfohlene Materialdicke	=3.0 mm [4.0 mm möglich]		
Materialdicke [mm]	2.00	3.00	3.20
bei V [mm]	15		
max. Belastbarkeit (kN/m)	1500	1500	1500
min. Biegewinkel	59°	47°	47°
benötigte Presskraft Stahl mit max. 450 N/mm2 (kN/m)	210	550	650
benötigte Presskraft Edelstahl mit max. 700 N/mm2 (kN/m)	320	850	1000
min. Außenschenkel [mm]	8.5	9.3	9.3
max. Außenradius [mm]	6.0	5.0	4.8

Matrizen Rolla-V Onyx - Modell 2.5

42Cr: 900-1150 N/mm² | Toolox 44 | 2000 kN/m max.

RVM2.5

ohne Zapfen			
500 mm	€ 1.448,-	22.0 kg	
470 mm	€ 3.766,-	21.0 kg	F
mit Zapfen 13 x 20 mm			
500 mm	€ 1.511,-	23.5 kg	
470 mm	€ 3.955,-	22.4 kg	F
mit Zapfen 12,7 x 19 mm			
500 mm	€ 1.511,-	23.5 kg	
470 mm	€ 3.955,-	22.4 kg	F



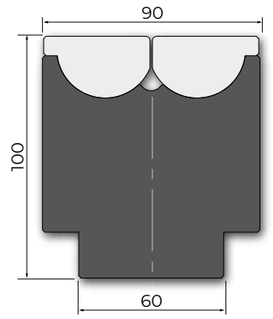
MODELL 2.5 - Eigenschaften			
Max. empfohlene Materialdicke	=5.0 mm [6.35 mm möglich]		
Materialdicke [mm]	2.00	4.00	6.00
bei V [mm]	28		
max. Belastbarkeit (kN/m)	2500	2500	2500
min. Biegewinkel	46°	46°	55°
benötigte Presskraft Stahl mit max. 450 N/mm2 (kN/m)	100	470	1270
benötigte Presskraft Edelstahl mit max. 700 N/mm2 (kN/m)	150	730	1960
min. Außenschenkel [mm]	18.6	18.6	18.6
max. Außenradius [mm]	13.2	12.0	9.8

Matrizen Rolla-V Onyx - Modell 3

42Cr: 900-1150 N/mm²	Toolox 33	2500 kN/m max.

RVP100-3

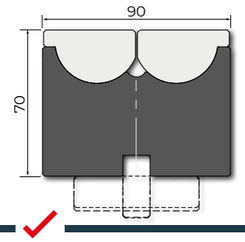
500 mm	€ 1.609,-	28.8 kg	
40 mm	€ 4.009,-	26.2 kg	F



42Cr: 900-1150 N/mm²	Toolox 33	2500 kN/m max.

RVM70-3

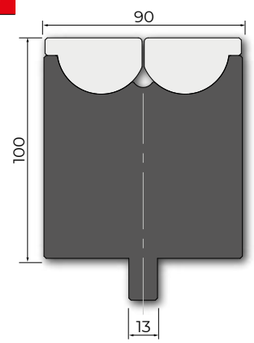
ohne Zapfen			mit Zapfen 13 mm		
500 mm	€ 1.502,-	20.6 kg	500 mm	€ 1.565,-	22.1 kg
455 mm	€ 3.904,-	18.7 kg F	455 mm	€ 4.093,-	20.1 kg F
mit 60 mm Aufnahme			**mit Zapfen 12,7 mm Offset**		
500 mm	€ 1.596,-	23.5 kg	500 mm	€ 1.565,-	22.1 kg
455 mm	€ 4.187,-	23.0 kg F	455 mm	€ 4.093,-	20.1 kg F



42Cr: 900-1150 N/mm²	Toolox 33	2500 kN/m max.

RVT100-3

500 mm	€ 1.609,-	30.9 kg	
440 mm	€ 4.359,-	28.5 kg	F



MODELL 3 - Eigenschaften			
Max. empfohlene Materialdicke	=6.3 mm [8.0 mm möglich]		
Materialdicke [mm]	2.00	4.00	6.00
bei V [mm]	38		
max. Belastbarkeit (kN/m)	2500	2500	2500
min. Biegewinkel	68°	47°	50°
benötigte Presskraft Stahl mit max. 450 N/mm2 (kN/m)	70	340	900
benötigte Presskraft Edelstahl mit max. 700 N/mm2 (kN/m)	110	550	1300
min. Außenschenkel [mm]	22.5	22.5	22.5
max. Außenradius [mm]	13.9	11.9	9.9

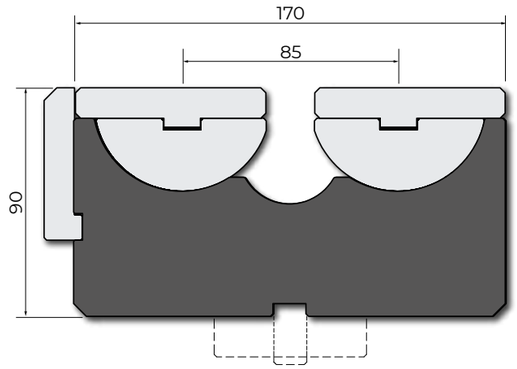
Matrizen Rolla-V Onyx - Modell 4

- Die Werkzeuge Model 4 und verstellbare Matrizen sind für das Biegen dicker Materialien und großer Radien konzipiert.
- Materialspezifikationen variieren stark, so dass keine detaillierten Daten angegeben werden können.
- Minimale Außenschenkel sind stark abhängig von der Rechtwinkligkeit der Bauteilkante.
- Erweiterung und Lochverzerrung werden mit diesen Werkzeugen stark reduziert, werden aber durch den Materialtyp beeinflusst.
- Radiusbiegen ist stark von der Rückfederung von spezifischen Material- und Flansch-Größen betroffen.

42Cr: 900-1150 N/mm²	Toolox 33	3000 kN/m max.

RVM90-4

ohne Zapfen			mit Zapfen 13 mm		
500 mm	€ 2.839,-	56.6 kg	500 mm	€ 2.901,-	58.1 kg
200 mm	€ 2.093,-	22.7 kg F	200 mm	€ 2.135,-	23.3 kg F
mit 60 mm Aufnahme			**mit Zapfen 12,7 mm Offset**		
500 mm	€ 2.933,-	61.3 kg	500 mm	€ 2.901,-	58.1 kg
200 mm	€ 2.156,-	24.6 kg F	200 mm	€ 2.135,-	23.3 kg F



MODELL 4 - Eigenschaften			
Max. empfohlene Materialdicke	=16.0 mm		
Materialdicke [mm]	6.00	8.00	12.00
bei V [mm]	85		
max. Belastbarkeit (kN/m)	3000	3000	3000
min. Biegewinkel	78°	76°	73°
benötigte Presskraft Stahl mit max. 450 N/mm2 (kN/m)	260	500	1290
benötigte Presskraft Edelstahl mit max. 700 N/mm2 (kN/m)	440	840	2150
min. Außenschenkel [mm]	56.6	56.6	56.6
max. Außenradius [mm]	36.4	36.4	36.4

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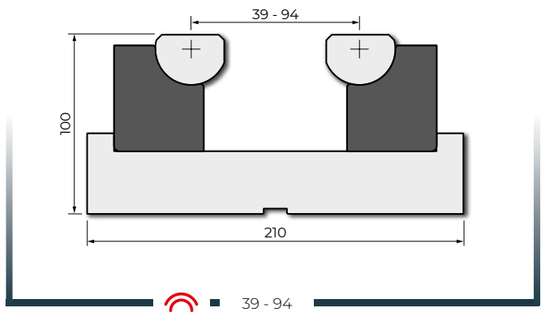
Matrizen Rolla-V Onyx - Verstellbare Matrizen

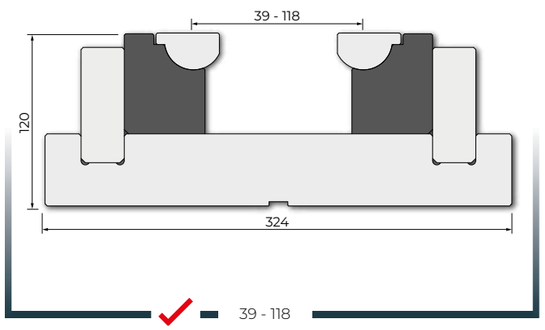
- Möglichkeit verschiedene Blechdicke ohne Ausrüstungsänderung abzukanten
- Möglichkeit hohe Blechdicke abzukanten (bis 30mm)
- Minimale Abdrucke auf hohe Blechdicke
- Gehärtete Einsätze
- Möglichkeit profilierte Sondereinsätze für Sonderabkantungen zu benutzen (nach unserer technischem Beratung)
- Optimal für Radien Abkantungen
- Optimal mit sehr kurzen Schenkenlänge
- Optimal für Tränenblech
- Optimal um Verformungen bei Blechteilen mit schrägen Teilen zu vermeiden
- Optimal um schmiedbare Materialien wie Aluminium oder Bronze zu bearbeiten
- Optimal um Langlöcher oder Bohrungen Verformung bei der Biegelinie zu vermeiden

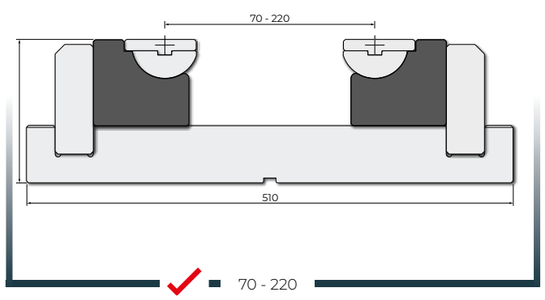
42Cr: 900-1150 N/mm²	Toolox 33	2500 kN/m max.
RVPV3		
500 mm	€4.548,-	50.0 kg
200 mm	€ 3.221,-	20.0 kg



42Cr: 900-1150 N/mm²	Toolox 33	3500 kN/m max.
RVHD3		
500 mm	€ 5.733,-	98.0 kg
200 mm	€ 3.973,-	38.1 kg

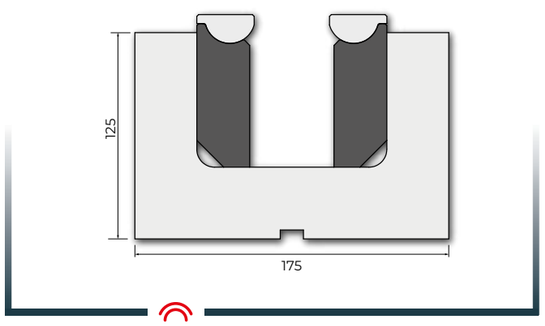
42Cr: 900-1150 N/mm²	Toolox 33	3500 kN/m max.
RVHD4		
500 mm	€8.258,-	200.0 kg
200 mm	€ 5.372,-	80.0 kg

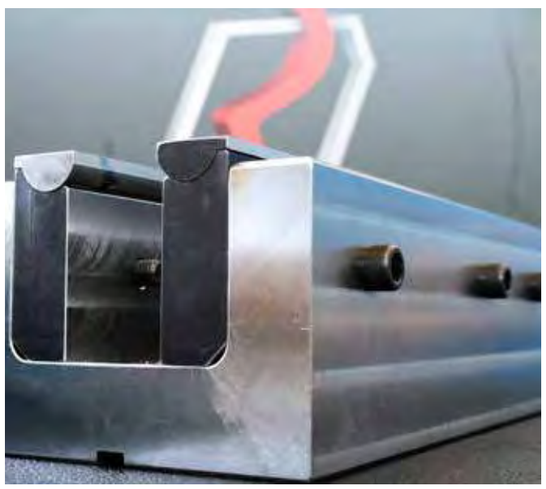




42Cr: 900-1150 N/mm²	Toolox 33	1500 kN/m max.
RVHD2.5		
500 mm	€ 5.287,-	67.5 kg
200 mm	€ 3.796,-	27 kg F

NEU





V-Biegen	Radius-Biegen	Konisches Biegen	Radius-Überbiegen	U-Biegen
Rollentyp flach	Rollentyp flach	Rollentyp flach	Rollentyp konkav	Rollentyp V

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ROLLERI ADAPTER

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Oberwerkzeugadapter	206 -210
Angeschraubte Adapter	211 - 213
MATRIZENADAPTER	214 - 219
Matrizenadapterschienen	214 - 218
Matrizenadapter	219

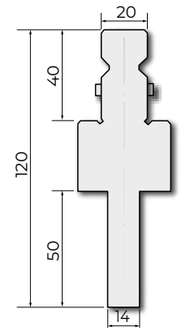
OBERWERKZEUGADAPTER

Oberwerkzeugadapter

C45: 560-710 N/mm² — 1000 kN/m max.

AD11

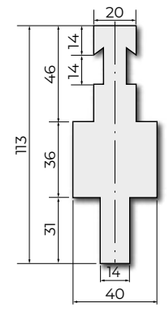
150 mm	€ 111,-	3.0 kg	R2 → R1



C45: 560-710 N/mm² — 1000 kN/m max.

AD22

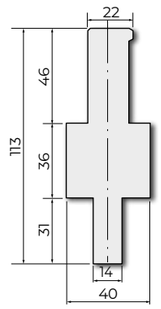
150 mm	€ 98,-	3.4 kg	R3 R → R1



C45: 560-710 N/mm² — 1000 kN/m max.

AD3

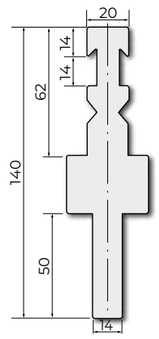
150 mm	€ 98,-	3.3 kg	R3 S → R1



C45: 560-710 N/mm² — 1000 kN/m max.

AD10

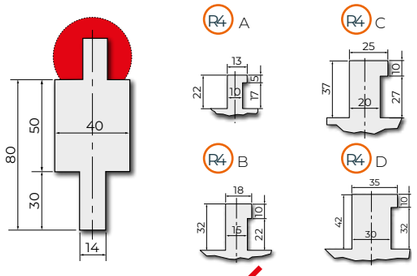
150 mm	€ 193,-	3.4 kg	R3 RFA → R1



C45: 560-710 N/mm² — 1000 kN/m max.

AD1

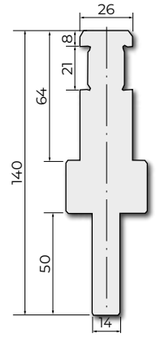
AD1-A	150 mm	€ 98,-	3.1 kg	R4 A → R1
AD1-B	150 mm	€ 98,-	3.1 kg	R4 B → R1
AD1-C	150 mm	€ 98,-	3.1 kg	R4 C → R1
AD1-D	150 mm	€ 98-	3.1 kg	R4 D → R1



C45: 560-710 N/mm² — 1000 kN/m max.

AD13

150 mm	€ 111,-	3.0 kg	RX EHT → R1



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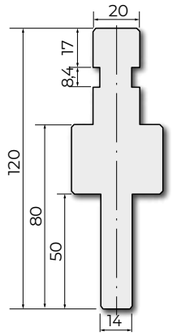
C45: 560-710 N/mm² — 1000 kN/m max.

AD14

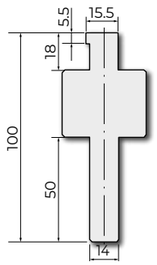
150 mm	€ 111,-	3.2 kg	RX	Gasparini → R1



C45: 560-710 N/mm² — 1000 kN/m max.

AD15

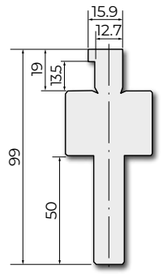
150 mm	€ 105,-	3.0 kg	RX	Ajial-Axial → R1



C45: 560-710 N/mm² — 1000 kN/m max.

AD16

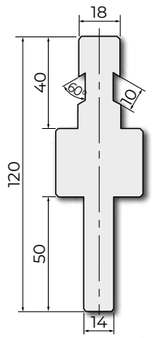
150 mm	€ 105,-	4.0 kg	R	American → R1



C45: 560-710 N/mm² — 1000 kN/m max.

AD12

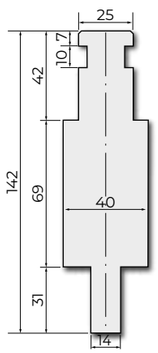
150 mm	€ 111,-	3.0 kg	RX	Colgar → R1



C45: 560-710 N/mm² — 1000 kN/m max.

AD23

150 mm	€ 93,-	5.0 kg	RX	Weinbrenner → R1

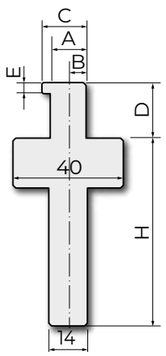


C45: 560-710 N/mm² — 1000 kN/m max.

ADX

150 mm	€ 98,-	3.5 kg	X	→ R1

Fertigung gemäß Ihrer Angaben



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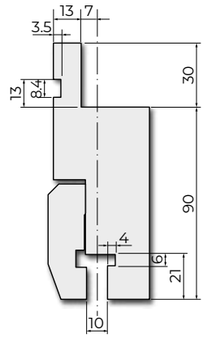
C45: 560-710 N/mm² — 1000 kN/m max.

AD19-A

150 mm	€ 149,-	6.0 kg	R1	→ R4

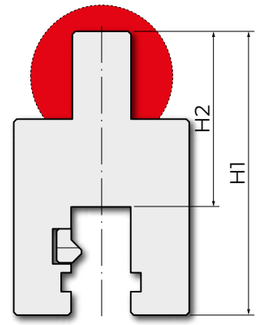


C45: 560-710 N/mm²

ADX2

150 mm	€ 288,-	2.4 kg	X	→ R2

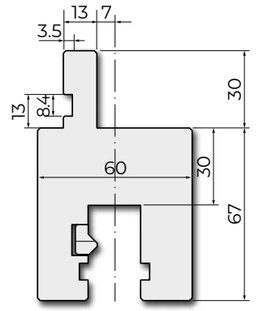
Fertigung gemäß Ihrer Angaben



C45: 560-710 N/mm² — 1000 kN/m max.

AD20

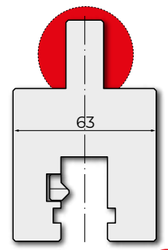
150 mm	€ 288,-	4.0 kg	R1	→ R2



C45: 560-710 N/mm² — 1000 kN/m max.

AD20 LVD

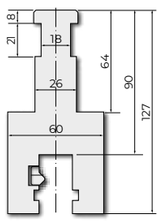
AD20 LVD-A	150 mm	€ 288,-	3.6 kg	R4 A	→ R1
AD20 LVD-B	150 mm	€ 288,-	3.8 kg	R4 B	→ R1
AD20 LVD-C	150 mm	€ 288,-	4.0 kg	R4 C	→ R1
AD20 LVD-D	150 mm	€ 288,-	4.0 kg	R4 D	→ R1



C45: 560-710 N/mm² — 1000 kN/m max.

AD28

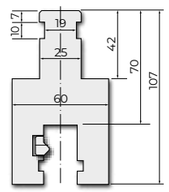
150 mm	€ 347,-	5.0 kg	RX	EHT → R2



C45: 560-710 N/mm² — 1000 kN/m max.

AD29

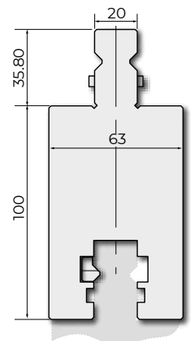
150 mm	€ 331,-	4.5 kg	RX	Weinbrenner → R2



42Cr: 900-1150 N/mm² — 1500 kN/m max.

AD21

150 mm	€ 271,-	7.0 kg	R2	→ R2



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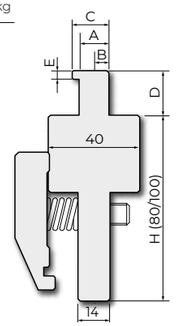
Oberwerkzeugadapter

C45: 560-710 N/mm² — 1000 kN/m max.

INT80-100

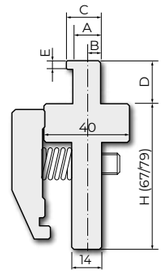
835 mm	€	554,-	25.0 kg
415 mm	€	471,-	12.5 kg



C45: 560-710 N/mm² — 1000 kN/m max.

INT67-79

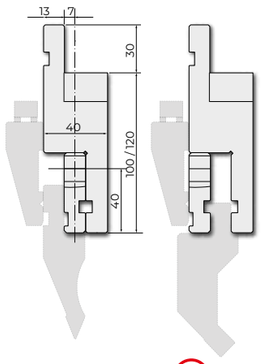
835 mm	€	483,-	20.5 kg
415 mm	€	384,-	10.0 kg



C45: 560-710 N/mm² — 1000 kN/m max.

INT100-A

150 mm	€	186,-	3.5 kg



C45: 560-710 N/mm² — 1000 kN/m max.

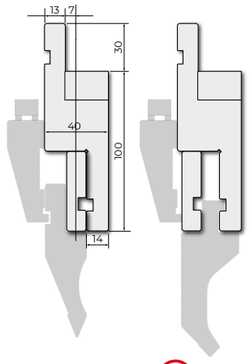
INT120-A

150 mm	⌔	5.2 kg

C45: 560-710 N/mm² — 1000 kN/m max.

INT100-N (Newton)

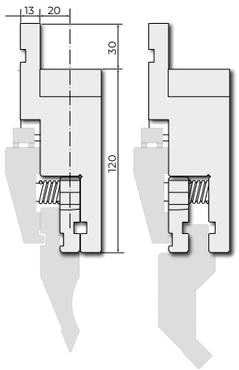
150 mm	€	182,-	3.5 kg



C45: 560-710 N/mm² — 1000 kN/m max.

INT120-40-A

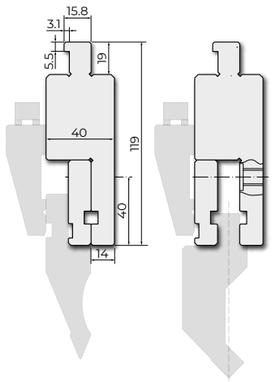
150 mm	⌔	6.0 kg



C45: 560-710 N/mm² — 1000 kN/m max.

INT100-A (American)

150 mm	€	186,-	3.5 kg	X ➡ R1 X ➡ X



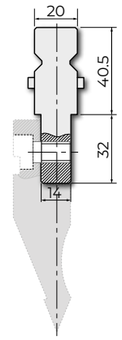
Angeschraubte Adapter

C45: 560-710 N/mm² — 1000 kN/m max.

AW11

835 mm	€	163,-	8.4 kg
415 mm	€	130,-	4.2 kg
805 mm	€	395,-	8.4 kg

R2 ➡ R1

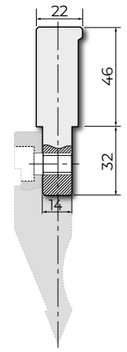


C45: 560-710 N/mm² — 1000 kN/m max.

AW3

835 mm	€	163,-	3.0 kg
415 mm	€	130,-	1.5 kg
805 mm	€	360,-	3.0 kg

R3 Beyeler S ➡ R1

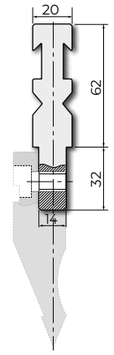


C45: 560-710 N/mm² — 1000 kN/m max.

AW10

835 mm	€	163,-	3.0 kg
415 mm	€	130,-	1.5 kg
805 mm	€	360,-	3.0 kg

R3 Beyeler RFA ➡ R1

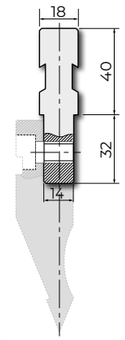


C45: 560-710 N/mm² — 1000 kN/m max.

AW12

835 mm	€	163,-	7.0 kg
415 mm	€	130,-	3.5 kg
805 mm	€	360,-	6.7 kg

RX Colgar ➡ R1

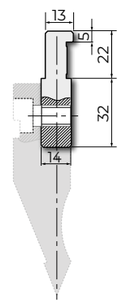


C45: 560-710 N/mm² — 1000 kN/m max.

AW1-A

835 mm	€	163,-	3.0 kg
415 mm	€	130,-	1.5 kg
805 mm	€	360,-	6.7 kg

R4 A ➡ R1

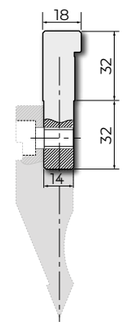


C45: 560-710 N/mm² — 1000 kN/m max.

AW1-B

835 mm	€	163,-	7.0 kg
415 mm	€	130,-	3.5 kg
805 mm	€	360,-	6.7 kg

R4 B ➡ R1



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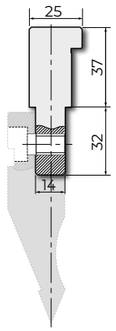
C45: 560-710 N/mm² — 1000 kN/m max.

AW1-C

835 mm	€ 163,-	9.7 kg
415 mm	€ 130,-	4.8 kg
805 mm	€ 360,-	9.4 kg

R4 C → R1

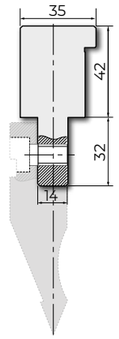


C45: 560-710 N/mm² — 1000 kN/m max.

AW1-D

835 mm	€ 163,-	11.5 kg
415 mm	€ 130,-	5.7 kg
805 mm	€ 360,-	11.1 kg

R4 D → R1

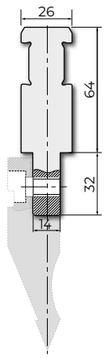


C45: 560-710 N/mm² — 1000 kN/m max.

AW13

835 mm	€ 163,-	12.6 kg
415 mm	€ 130,-	6.3 kg
805 mm	€ 360,-	12.1 kg

RX EHT → R1

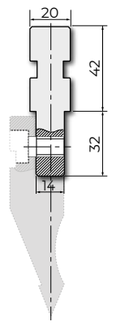


C45: 560-710 N/mm² — 1000 kN/m max.

AW14

835 mm	€ 163,-	8.0 kg
415 mm	€ 130,-	4.0 kg
805 mm	€ 360,-	7.7 kg

RX Gasparini → R1

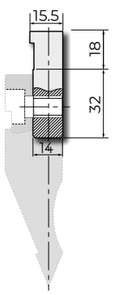


C45: 560-710 N/mm² — 1000 kN/m max.

AW15

835 mm	€ 163,-	3.0 kg
415 mm	€ 130,-	1.5 kg
805 mm	€ 360,-	3.0 kg

RX Ajial-Axial → R1

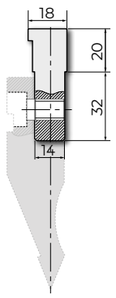


C45: 560-710 N/mm² — 1000 kN/m max.

AWC16

835 mm	€ 163,-	5.0 kg
415 mm	€ 130,-	2.5 kg
805 mm	€ 144,-	4.8 kg

RX Colly → R1



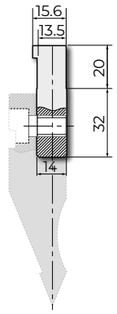
Angeschraubte Adapter

C45: 560-710 N/mm² — 1000 kN/m max.

AWC13.5

835 mm	€ 163,-	4.8 kg
415 mm	€ 130,-	2.4 kg
805 mm	€ 360,-	4.6 kg

RX Colly → R1

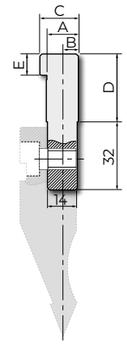


C45: 560-710 N/mm² — 1000 kN/m max.

AWX

835 mm	€ 163,-	3.0 kg
415 mm	€ 130,-	1.5 kg
805 mm	€ 360,-	3.0 kg

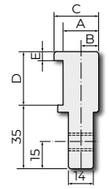
Individual → R1



C45: 560-710 N/mm² — 1000 kN/m max.

INT35

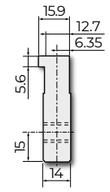
835 mm	€ 264,-	4.0 kg
415 mm	€ 198,-	2.5 kg
805 mm	€ 381,-	3.9 kg



C45: 560-710 N/mm² — 1000 kN/m max.

INT35-A

835 mm	€ 264,-	5.0 kg
415 mm	€ 198,-	2.5 kg
805 mm	€ 381,-	4.8 kg



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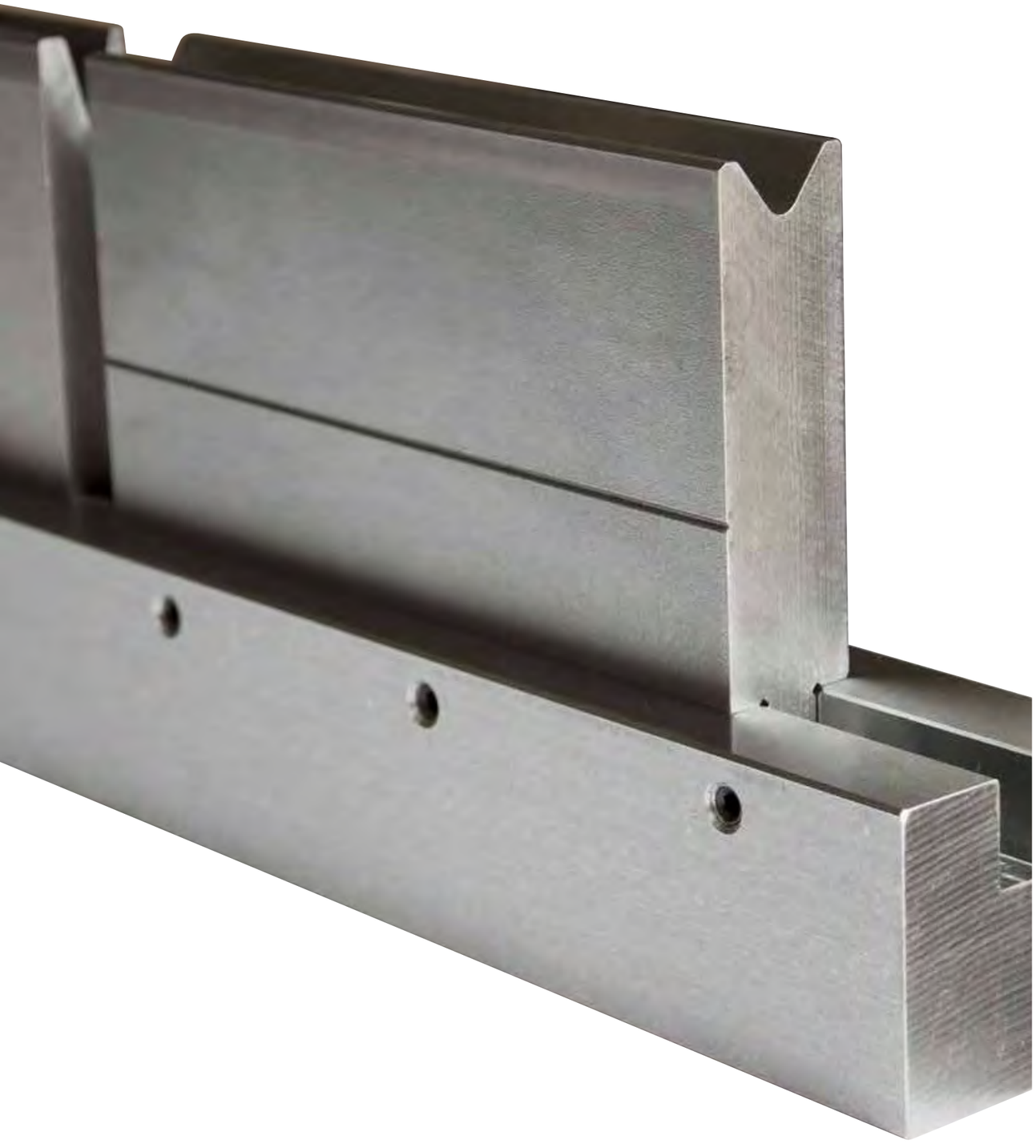
MATRIZENADAPTER

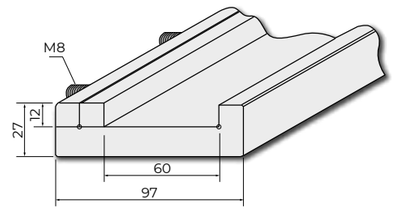


Matrizenadapterschienen

C45: 560-710 N/mm² — 1000 kN/m max.

C 2000/S / C 2500/S / C 3000/S / C 4000/S

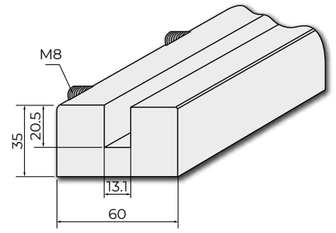
C 2000/S	2100 mm	€ 561,-	27.0 kg
C 2500/S	2600 mm	€ 692,-	34.0 kg
C 3000/S	3100 mm	€ 823,-	40.0 kg
C 4000/S	4100 mm	€ 1.047,-	53.0 kg



C45: 560-710 N/mm² — 1000 kN/m max.

TC 2000/S / TC 2500/S / TC 3000/S / TC 4000/S

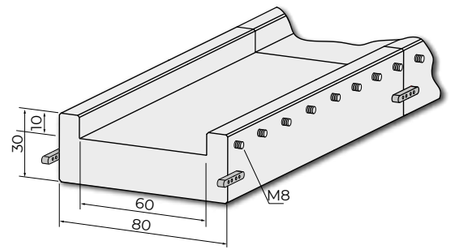
TC 2000/S	2100 mm	€ 588,-	30.0 kg
TC 2500/S	2600 mm	€ 729,-	37.0 kg
TC 3000/S	3100 mm	€ 828,-	44.0 kg
TC 4000/S	4100 mm	€ 1.152,-	59.0 kg



C45: 560-710 N/mm² — 1000 kN/m max.

C 1050/R

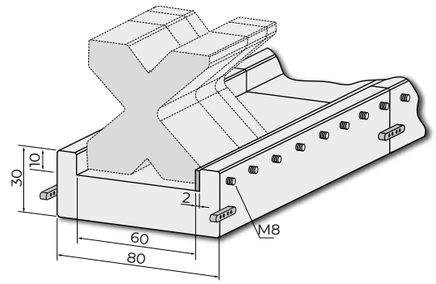
C 1050/R	1050 mm	€ 192,-	15.0 kg
C 1050/R/C	520 mm	€ 110,-	7.5 kg



C45: 560-710 N/mm² — 1000 kN/m max.

C 1050/RS

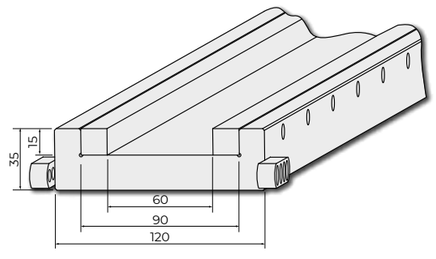
C 1050/RS	1050 mm	€ 252,-	15.0 kg
C 1050/RS/C	520 mm	€ 146,-	7.5 kg



C45: 560-710 N/mm² — 1000 kN/m max.

C 1050-90

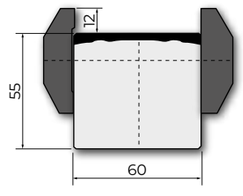
C 1050-90	1050 mm	€ 314,-	27.2 kg
C 1050-90/C	520 mm	€ 189,-	13.5 kg



C45: 560-710 N/mm² — 1000 kN/m max.

CTS60

835 mm	€ 231,-	29.0 kg
415 mm	€ 140,-	14.5 kg



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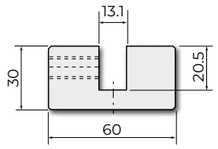
C45: 560-710 N/mm²

1000 kN/m max.

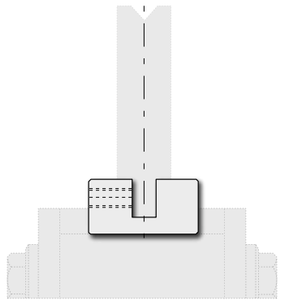
AD6

1000 mm	€	218,-	12.0 kg
500 mm	€	113,-	6.0 kg

R1 → R2 R3



AD6 Einsatzbeispiel



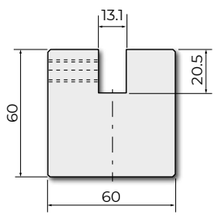
C45: 560-710 N/mm²

1000 kN/m max.

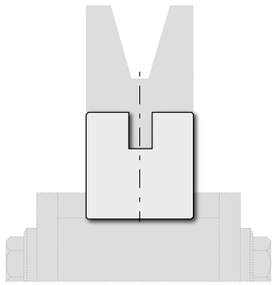
AD5

1000 mm	€	245,-	26.1 kg
500 mm	€	135,-	13.0 kg

R1 → R2 R3



AD5 Einsatzbeispiel



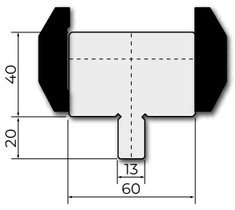
C45: 560-710 N/mm²

1000 kN/m max.

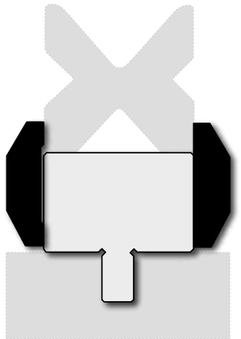
AD7

835 mm	€	275,-	25 kg
415 mm	€	162,-	8.5 kg

R2 R3 → R1



AD7 Einsatzbeispiel



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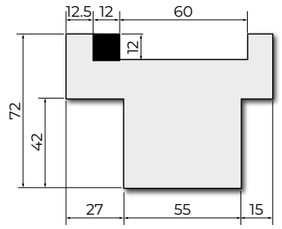
C45: 560-710 N/mm²

1000 kN/m max.

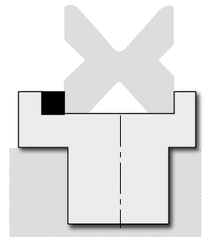
AD24

835 mm	€	547,-	30 kg
415 mm	€	303,-	14.2 kg

RX EHT → R1



AD24 Einsatzbeispiel



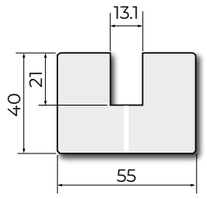
C45: 560-710 N/mm²

1000 kN/m max.

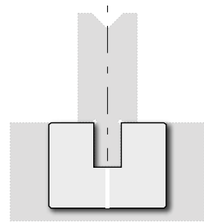
AD25

500 mm	€	255,-	7.5 kg

RX EHT → R2 R3



AD25 Einsatzbeispiel



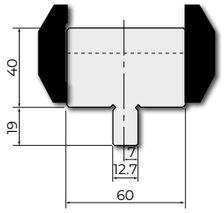
C45: 560-710 N/mm²

1000 kN/m max.

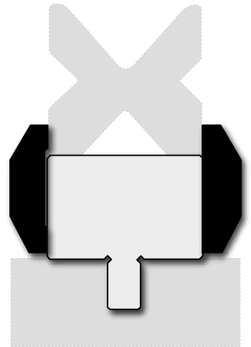
AD9-12.7

835 mm	€	237,-	17.0 kg
415 mm	€	143,-	8.5 kg

R4 → R1



AD9-12.7 Einsatzbeispiel



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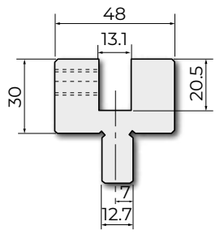
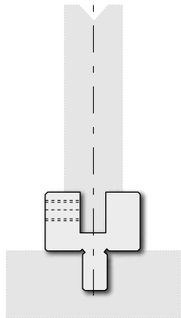
C45: 560-710 N/mm² — 1000 kN/m max.

AD8-12.7

1000 mm	€ 396,-	12.0 kg	R4 → R2 R3
500 mm	€ 230,-	16.0 kg	



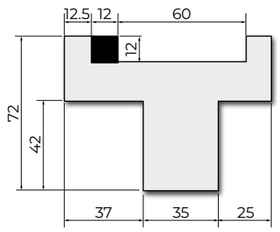
AD8-12.7 Einsatzbeispiel



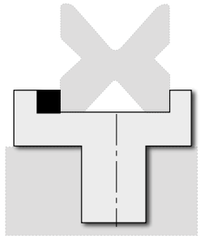
C45: 560-710 N/mm² — 1000 kN/m max.

AD26

835 mm	€ 573,-	23.0 kg	RX Weinbrenner → R1
415 mm	€ 319,-	11.4 kg	



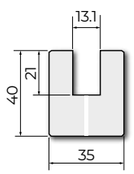
AD26 Einsatzbeispiel



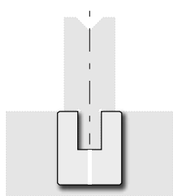
C45: 560-710 N/mm² — 1000 kN/m max.

AD27

500 mm	€ 228,-	4.5 kg	RX Weinbrenner → R2 R3



AD27 Einsatzbeispiel

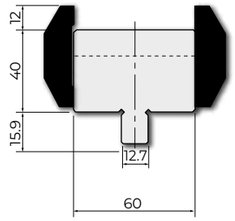


Matrizenadapter

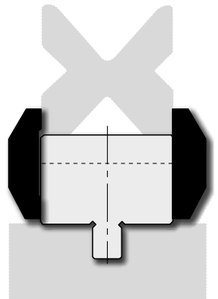
C45: 560-710 N/mm² — 1000 kN/m max.

AD17

835 mm	€ 396,-	18.0 kg	R American → R1
415 mm	€ 227,-	18.0 kg	



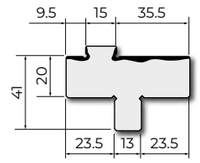
AD17 Einsatzbeispiel



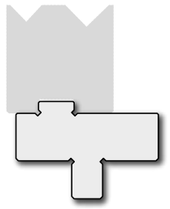
C45: 560-710 N/mm² — 1000 kN/m max.

AD18

835 mm	€ 230,-	18.0 kg	RX EHT → R2 R3
415 mm	€ 131,-	9.0 kg	



AD18 Einsatzbeispiel



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Sektioniert — auf Anfrage — Artikel auf Lager — Lieferzeit bitte erfragen

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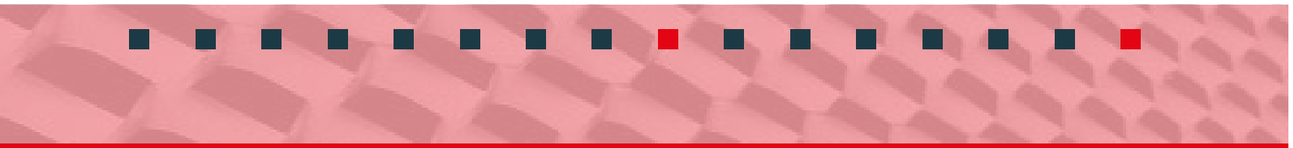

ROLLERI ABDRUCKFREIES KANTEN

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Roll Prime 20.17 NEU

Das kontinuierliche suchen nach Innovation, hat bei Rolleri S.p.A. dazu geführt, als Erster ein weltweit neues Herstellungsverfahren im Bereich von Abkantwerkzeugen einzuführen. Mit großen 3D-Printer und einem speziellen Kunststoff stellen wir unsere ROLLERI PRIME Abkantwerkzeuge her.

Dank der FDM-Technologie (Fused Deposition Modeling) ist Roll Prime die optimale Lösung um jede individuelle Form herzustellen.

Kurze Lieferzeiten, Maßgenauigkeit und ein absolut abdruckfreies Kantergebnis sind nur einige der Vorteile der weltweit neuen ROLL PRIME Abkantwerkzeuge.

Wir sind in der Lage, Werkzeuge und Einsätze aus einem speziellen Kunststoffmaterial herzustellen, die komplett an Ihre Bedürfnisse angepasst werden können. Das Ganze mit einer halbierten Produktionsvorlaufzeit im Vergleich zu traditionellen Techniken.

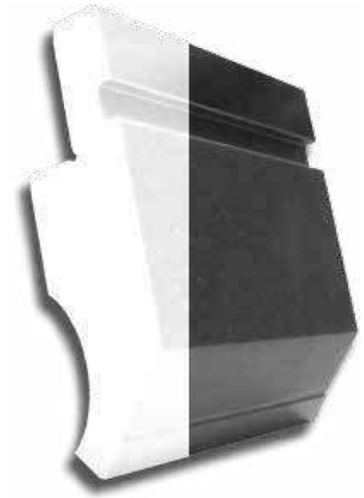
- Absolut abdruckfreies Kanten
- Halbierte Produktionvorlaufzeit
- Kostenreduzierung um 30%-40% gegenüber einem klassischen Spezialwerkzeug
- Ideal für schnelle Prototypenanfertigung
- Wiederholgenauigkeit der Kantergebnisse

Werkzeugformen

Die uneingeschränkte Freiheit der erzielten Geometrien erlaubt uns heute maßgeschneiderte Lösungen für jeden Kunden zu studieren und somit eine schnelle Prototypenanfertigung zu gewährleisten.

Die in Roll Prime hergestellten Formen sind ideal für eine kleine Mengenerzeugung wie auch zur Herstellung von Musterstücken.

Das führt zur Reduzierung von 30-40% der Kosten und Lieferzeiten im Vergleich zu einem normalen Spezialwerkzeug.



Roll Prime Einsätze

Die Weltneuheit im Bereich abdruckfreies Kanten sind die Rolleri Roll Prime Einsätze: Dank ihrer speziellen Zusammensetzung garantieren die Roll Prime Einsätze Absolutes abdruckfreies Kanten sowie wiederholbare und dauerhafte Kantergebnisse.

Die Roll Prime Einsätze beseitigen alle bestehende Probleme, die sich bei der Verwendung der klassischen Abkantfolien ergeben, nämlich z. B. die Vermeidung von Strichbildungen.

Da Roll Prime Werkzeuge vollständig individuell produzierbar sind, ist es möglich die Einsätze auf Ihren bereits vorhandenen Werkzeugen einzusetzen.

auf Anfrage

Artikel auf Lager

Lieferzeit bitte erfragen

Rolfilm und Halter

- Einfache Handhabung
- Flexibel einsetzbar
- Vermeidung von Kantabdrücken
- Minimierung der Nachbearbeitung von abgekanteten Teilen
- Erhöhte Produkt-Qualität.

CT

€ 181,-	6.0 kg	pro Stück

ROLFILM

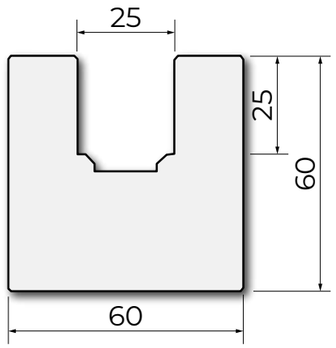
Modell	Dicke [mm]	Breite [mm]	Länge [mm]	Preis
Rolfilm 3-0.4-100	0.4	100	3	€ 26,-
Rolfilm 10-0.4-100	0.4	100	10	€ 79,-
Rolfilm 20-0.4-100	0.4	100	20	€ 152,-
Rolfilm 30-0.4-100	0.4	100	30	€ 210,-
Rolfilm 3-0.4-150	0.4	150	3	€ 42,-
Rolfilm 10-0.4-150	0.4	150	10	€ 126,-
Rolfilm 20-0.4-150	0.4	150	20	€ 255,-
Rolfilm 30-0.4-150	0.4	150	30	€ 315,-
Rolfilm 3-0.6-150	0.6	150	3	€ 42,-
Rolfilm 10-0.6-150	0.6	150	10	€ 126,-
Rolfilm 20-0.6-150	0.6	150	20	€ 247,-
Rolfilm 30-0.6-150	0.6	150	30	€ 315,-
Rolfilm 3-0.6-200	0.6	200	3	€ 58,-
Rolfilm 10-0.6-200	0.6	200	10	€ 168,-
Rolfilm 20-0.6-200	0.6	200	20	€ 326,-
Rolfilm 30-0.6-200	0.6	200	30	€ 462,-
Rolfilm 3-2-150	2.0	150	3	€ 74,-
Rolfilm 10-2-150	2.0	150	10	€ 242,-
Rolfilm 20-2-150	2.0	150	20	€ 478,-
Rolfilm 30-2-150	2.0	150	30	€ 683,-

PU-Aufnahmen und PU-Polster

C45: 560-710 N/mm²

MPG25

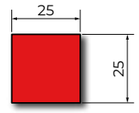
835 mm	€ 252,-	18.5 kg
415 mm	€ 147,-	9.2 kg



Polyurethan

GM 25X25

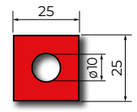
835 mm	€ 62,-	0.6 kg
415 mm	€ 35,-	0.3 kg



Polyurethan

GM 25X25X10

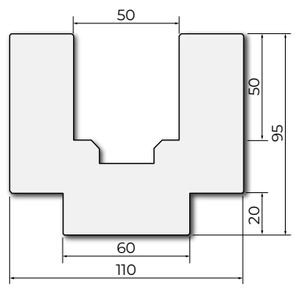
835 mm	€ 69,-	0.6 kg
415 mm	€ 39,-	0.3 kg



C45: 560-710 N/mm²

MPG50

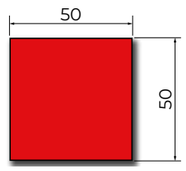
835 mm	€ 453,-	46.0 kg
415 mm	€ 256,-	22.5 kg



Polyurethan

GM 50X50

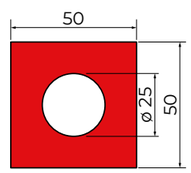
835 mm	€ 141,-	2.5 kg
415 mm	€ 79,-	1.2 kg



Polyurethan

GM 50X50X25

835 mm	€ 141,-	2.5 kg
415 mm	€ 78,-	1.2 kg



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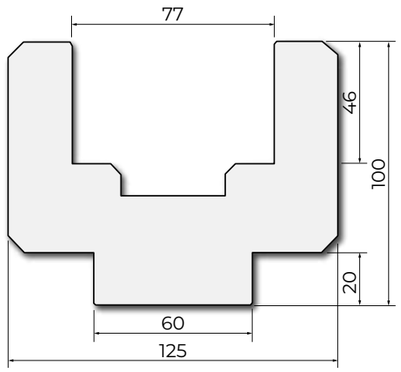
PU-Aufnahmen und PU-Polster

C45: 560-710 N/mm²

MPG75

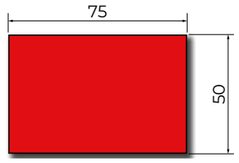
835 mm	€	592,-	46.0 kg
415 mm	€	336,-	22.5 kg



Polyurethan

GM 75X50

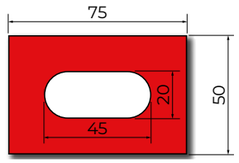
835 mm	€	184,-	3.5 kg
415 mm	€	102,-	1.7 kg



Polyurethan

GM 75X50X20

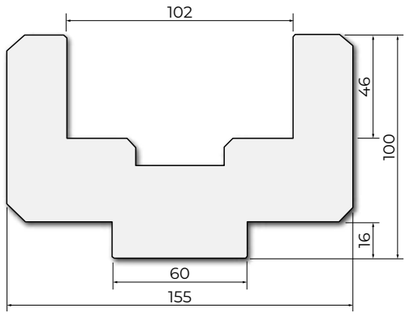
835 mm	€	268,-	3.5 kg
415 mm	€	148,-	1.7 kg



C45: 560-710 N/mm²

MPG100

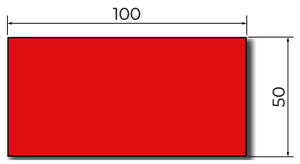
835 mm	€	710,-	55.0 kg
415 mm	€	405,-	27.5 kg



Polyurethan

GM 100X50

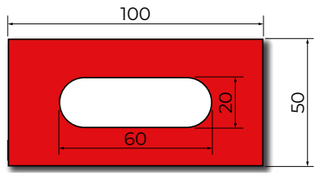
835 mm	€	197,-	2.5 kg
415 mm	€	110,-	1.2 kg



Polyurethan

GMF 100X50X20

835 mm	€	299,-	3.0 kg
415 mm	€	165,-	2.2 kg

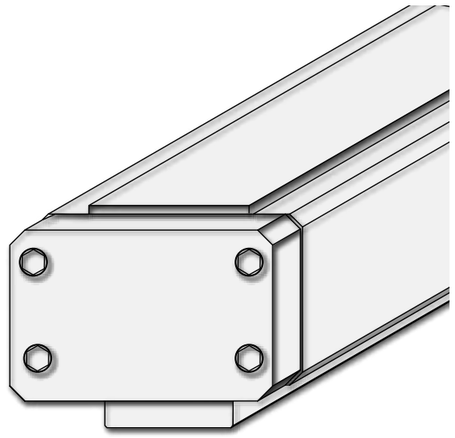


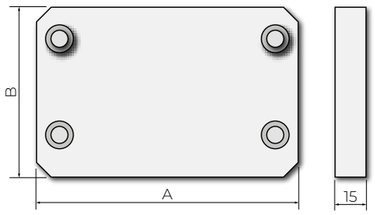
Abschlussplatte und Modifizierungen

C45: 560-710 N/mm²

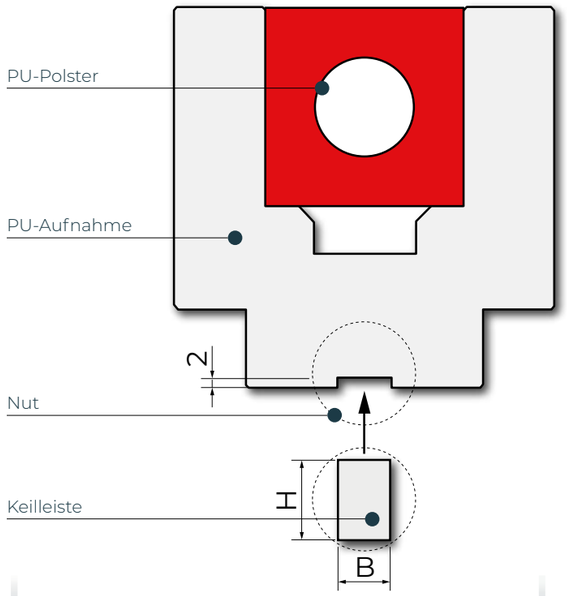
PSTCON - Abschlussplatte

	A [mm]	B [mm]		
PSTCON25	58	58	€ 28,-	1.2 kg
PSTCON50	108	75	€ 35,-	0.8 kg
PSTCON75	123	80	€ 38,-	1.0 kg
PSTCON100	153	80	€ 42,-	1.2 kg

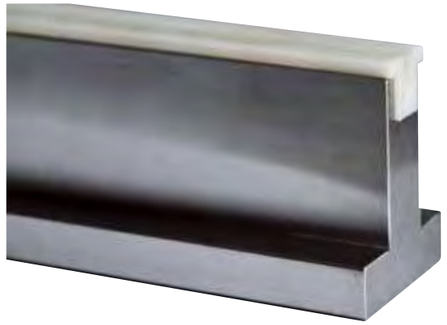


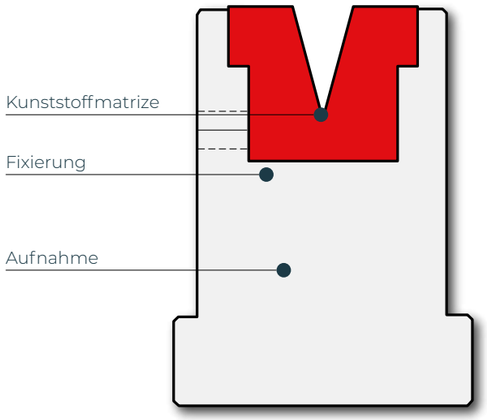


Montagebeispiel



- Kunststoffmatrizen werden in der Aufnahme ustiert und mit Madenschrauben fixiert.





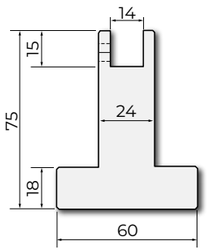
C45: 560-710 N/mm²

1000 kN/m max.

TN80.14

R1

835 mm	€	310,-	15.0 kg
415 mm	€	170,-	7.5 kg

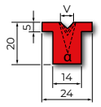


Synthetic

200 kN/m max.

INS14...

835 mm	€	143,-	0.30 kg
415 mm	€	84,-	0.15 kg



	°	V [mm]
INS14.06.88	88°	6
INS14.08.88	88°	8
INS14.10.88	88°	10
INS14.06.60	60°	6
INS14.08.60	60°	8
INS14.10.60	60°	10
INS14.06.45	45°	6
INS14.08.45	45°	8
INS14.10.45	45°	10
INS14.06.30	30°	6
INS14.08.30	30°	8

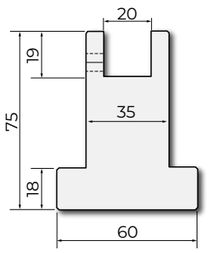
C45: 560-710 N/mm²

1000 kN/m max.

TN80.20

R1

835 mm	€	310,-	19.0 kg
415 mm	€	170,-	9.5 kg

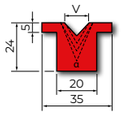


Synthetic

200 kN/m max.

INS20...

835 mm	€	158,-	0.4 kg
415 mm	€	89,-	0.2 kg



	°	V [mm]
INS20.06.88	88°	6
INS20.08.88	88°	8
INS20.10.88	88°	10
INS20.12.88	88°	12
INS20.16.88	88°	16
INS20.06.60	60°	6
INS20.08.60	60°	8
INS20.10.60	60°	10
INS20.12.60	60°	12
INS20.16.60	60°	16
INS20.06.45	45°	6
INS20.08.45	45°	8
INS20.10.45	45°	10
INS20.12.45	45°	12
INS20.06.30	30°	6
INS20.08.30	30°	8
INS20.10.30	30°	10

auf Anfrage

Artikel auf Lager

Lieferzeit bitte erfragen

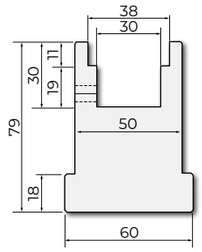
C45: 560-710 N/mm²

1000 kN/m max.

TN80.30

R1

835 mm	€	310,-	25.0 kg
415 mm	€	170,-	12.5 kg

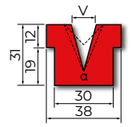


Synthetic

200 kN/m max.

INS30...

835 mm	€	158,-	0.5 kg
415 mm	€	89,-	0.3 kg



	°	V [mm]
INS30.06.88	88°	6
INS30.08.88	88°	8
INS30.10.88	88°	10
INS30.12.88	88°	12
INS30.16.88	88°	16
INS30.20.88	88°	20
INS30.25.88	88°	25
INS30.06.60	60°	6
INS30.08.60	60°	8
INS30.10.60	60°	10
INS30.12.60	60°	12
INS30.16.60	60°	16
INS30.20.60	60°	20
INS30.06.45	45°	6
INS30.08.45	45°	8
INS30.10.45	45°	10
INS30.12.45	45°	12
INS30.16.45	45°	16
INS30.20.45	45°	20
INS30.06.30	30°	6
INS30.08.30	30°	8
INS30.10.30	30°	10
INS30.12.30	30°	12
INS30.16.30	30°	16

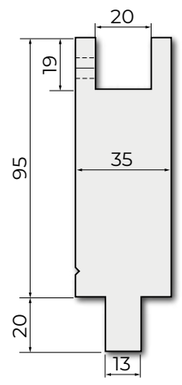
C45: 560-710 N/mm²

1000 kN/m max.

TMN95.20

R2 R3

835 mm	€	378,-	12.0 kg
415 mm	€	216,-	6.0 kg

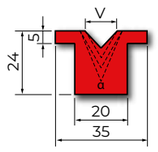


Synthetic

200 kN/m max.

INS20...

835 mm	€	158,-	0.4 kg
415 mm	€	89,-	0.2 kg



	°	V [mm]
INS20.06.88	88°	6
INS20.08.88	88°	8
INS20.10.88	88°	10
INS20.12.88	88°	12
INS20.16.88	88°	16
INS20.06.60	60°	6
INS20.08.60	60°	8
INS20.10.60	60°	10
INS20.12.60	60°	12
INS20.16.60	60°	16
INS20.06.45	45°	6
INS20.08.45	45°	8
INS20.10.45	45°	10
INS20.12.45	45°	12
INS20.06.30	30°	6
INS20.08.30	30°	8
INS20.10.30	30°	10

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ROLLERI SONDER-UND SCHWERLASTWERKZEGE

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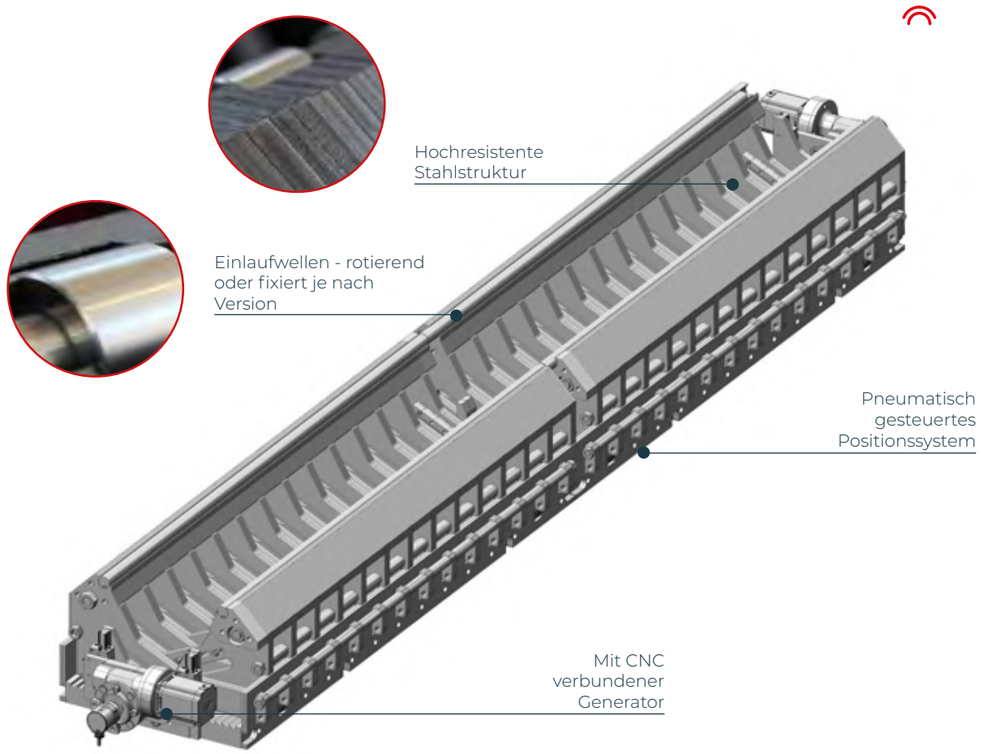
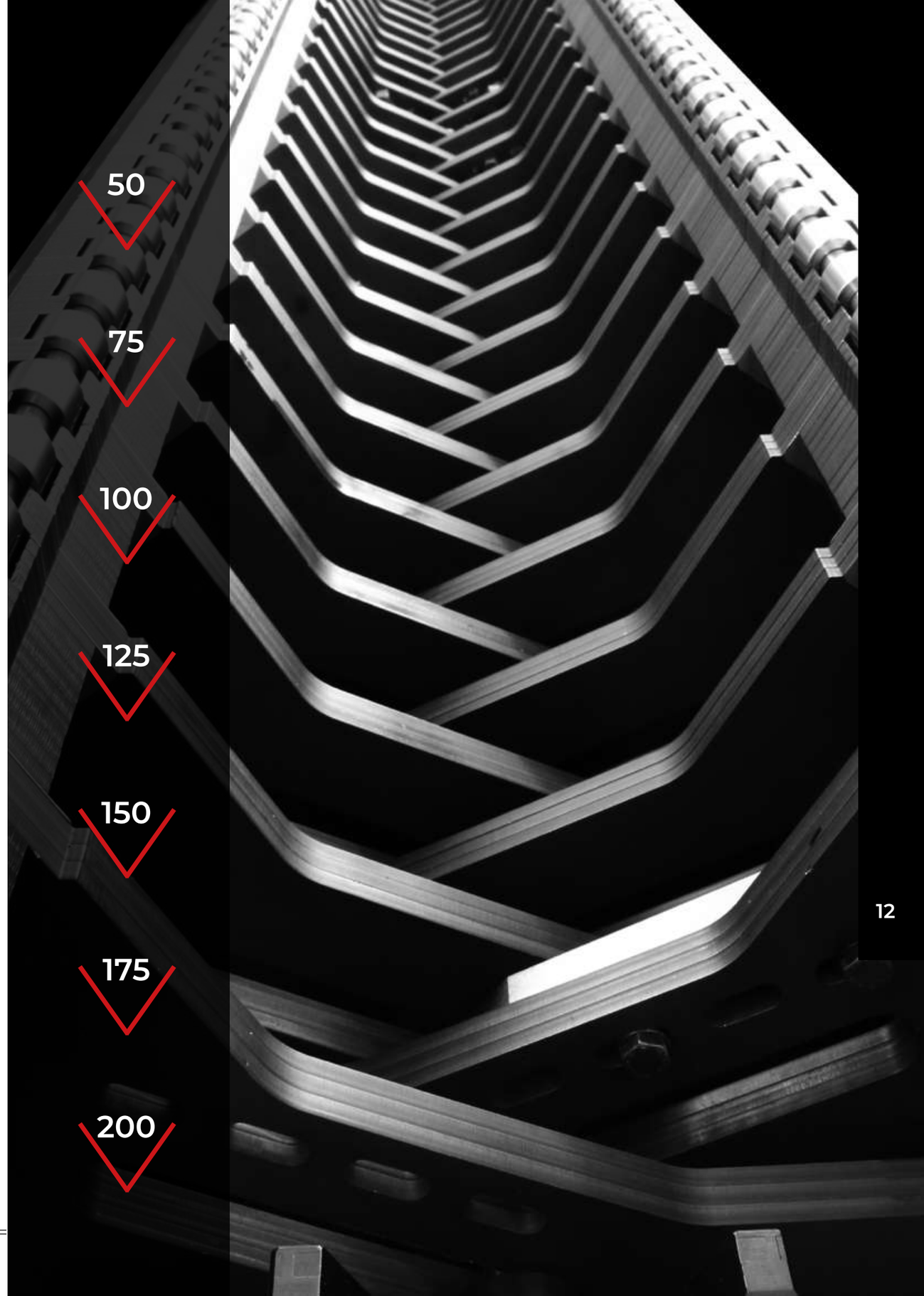
Rolleri Vario

PATENT

EIGENSCHAFTEN

- Es ist möglich Rolleri Vario auf alle Arten von Abkantpressen zu montieren
- 7 Matrizen in nur einem Werkzeug
- Einlaufwellen zur Erleichterung der Biegung und zur Reduzierung der Presskraft um 25-30%
- Garantierte Robustheit und Zuverlässigkeit bis zu 250T/m
- Einlaufwellen einfach und schnell ersetzbar
- Dank eines Adapters kann Vario als Basis für Standardmatrizen bis V=50mm verwendet werden
- Abkantwinkel bis 60°
- Geliefert mit einem Schutzfolie die vor Staub und Materialresten schützt, die den Mechanismus beeinträchtigen können
- Verfügbare Versionen: manuell, halbautomatisch und automatisch

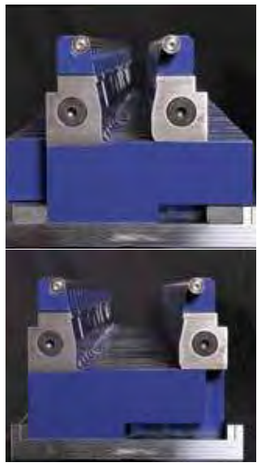




auf Anfrage

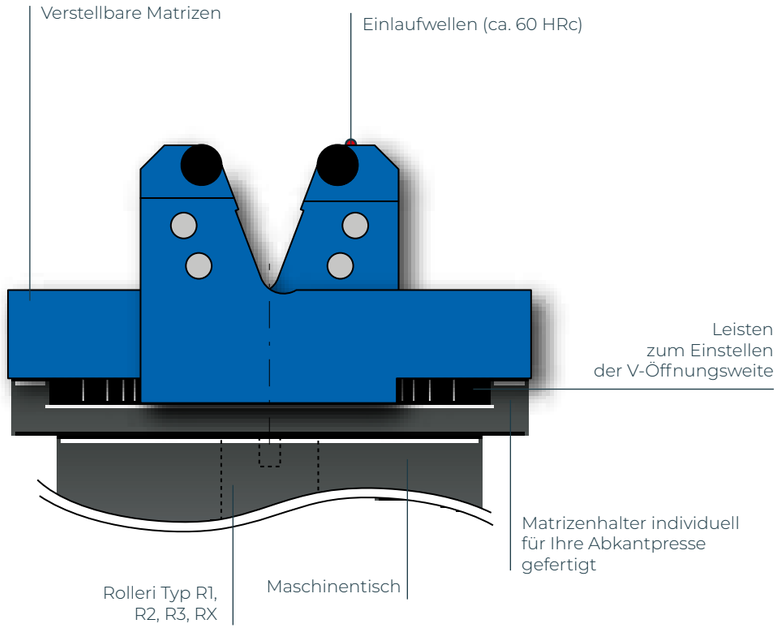
Artikel auf Lager

Lieferzeit bitte erfragen



- Variable Öffnungsweiten, daher weniger Werkzeugwechsel.
- Biegen bis 30°, besonders für hochfeste Materialien mit großer Rückfederung.
- Abdruckarmes Biegen und minimaler Verschleiß durch gehärtete Einlaufwellen
- 10% weniger Presskraft erforderlich.
- Einfache Änderung der Biegeradien durch Einstellung der Matrizenöffnungsweite.
- Reduzierung von Stillstandszeiten um bis zu 30% durch schnellen und einfachen Wechsel der Leisten.
- Minimale Wartungskosten.
- Schwierige Biegungen durch zusätzliche Biegefreiheit möglich.
- Einsetzbar auf allen Abkantpressen, auch als Erstausrüstung.
- Modulares Design: Benutzer kann mit einer Matrizenlänge beginnen und erst bei Bedarf weitere Module erwerben.
- Verwendung von Matrizen-Einsätzen und 1-V-Matrizenhaltern um die Öffnungsweite zu vergrößern.
- Hohe Präzision und Wiederholgenauigkeit.
- Kostengünstiger Austausch der Komponenten und schnelle Reparatur durch modularen Aufbau.
- Großer Nutzen der Investition (Return of invest).
- Für alle Modelle ist eine Schutzfolie erhältlich um Ihre Matrizen vor Staub und Schmutz zu schützen.

Montagebeispiel



Verstellbare Matrizen

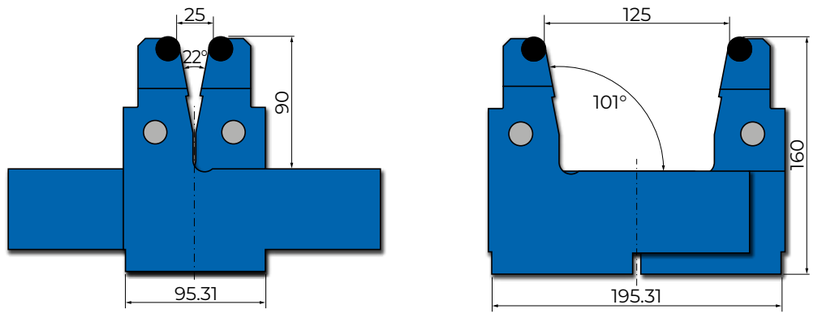
42Cr: 900-1150 N/mm²

1250 kN/m max. 90°

AD25.125

250 mm	34.0 kg
500 mm	64.0 kg
550 mm	72.0 kg
1000 mm	125.0 kg
1050 mm	133.0 kg

- V=25-125 mm
- Winkel 30°-180°
- Radius R=8 mm



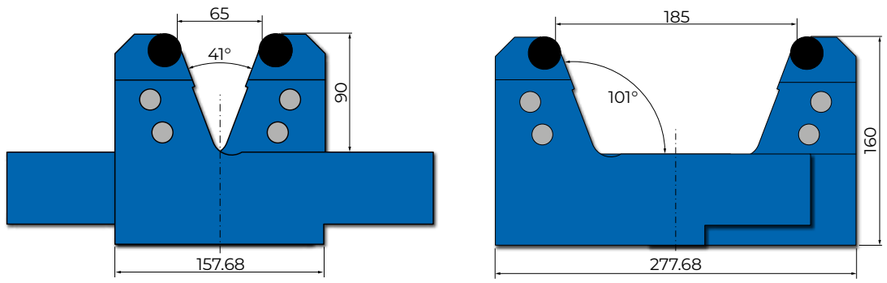
42Cr: 900-1150 N/mm²

2000 kN/m max. 90°

AD65.185

250 mm	44.0 kg
500 mm	86.0 kg
550 mm	96.0 kg
1000 mm	170.0 kg
1050 mm	180.0 kg

- V=65-185 mm
- Winkel 60°-180°
- Radius R=12.5 mm



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Verstellbare Matrizen

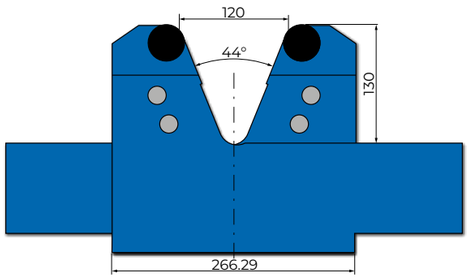
42Cr: 900-1150 N/mm²

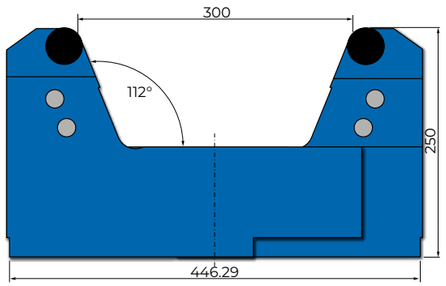
4000 kN/m max. 90°

AD120.300

600 mm		360.0 kg

- V=120-300 mm
- Winkel 60°-180°
- Radius R=20 mm





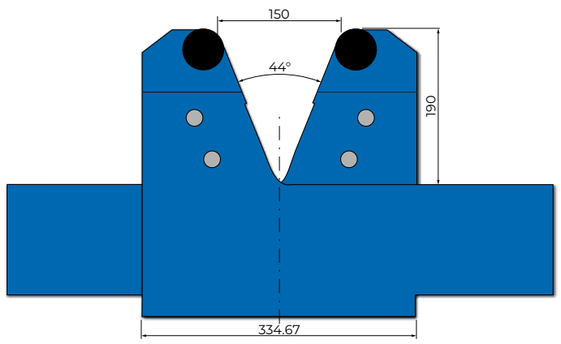
42Cr: 900-1150 N/mm²

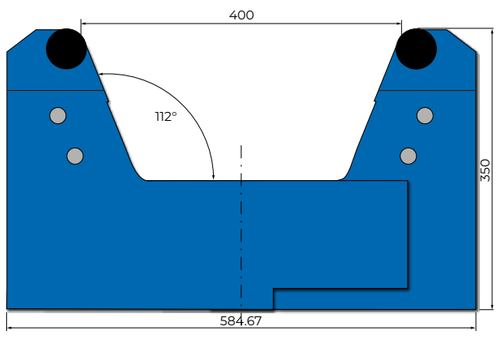
6000 kN/m max. 90°

AD150.400

600 mm		560.0 kg

- V=150-400 mm
- Winkel 60°-180°
- radius R=25 mm





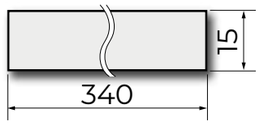
Leisten

42Cr: 900-1150 N/mm²

BAR AD25.185 » AD25.125 + AD65.185

500 mm		21.0 kg
1000 mm		42.0 kg
2000 mm		84.0 kg

Leisten-Set mit Breite:
2-5-10-15-20-30-40-50

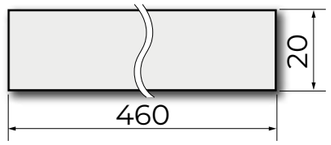


42Cr: 900-1150 N/mm²

BAR AD120.300 » AD120.300

600 mm		45.0 kg
1200 mm		90.0 kg
1800 mm		135.0 kg

Leisten-Set mit Breite:
2-5-10-15-20-30-40-50-60

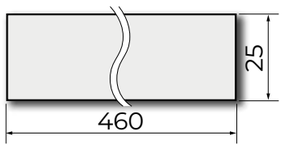


42Cr: 900-1150 N/mm²

BAR AD150.400 » AD150.400

600 mm		55.0 kg
1200 mm		110.0 kg
1800 mm		165.0 kg

Leisten-Set mit Breite:
5-10-15-20-30-40-50-60



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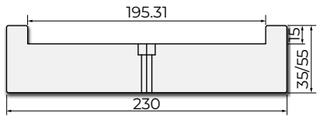
Halter

42Cr: 900-1150 N/mm²

HAD25.125 » AD25.125

A = 35 mm		B = 55 mm	
500 mm	20.0 kg	500 mm	38.0 kg
1000 mm	40.0 kg	1000 mm	76.0 kg
2000 mm	80.0 kg	2000 mm	152.0 kg
3000 mm	120.0 kg	3000 mm	228.0 kg

Halter, mit flacher Aufnahme oder Zapfen

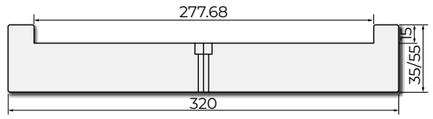


42Cr: 900-1150 N/mm²

HAD65.185 » AD65.185

A = 35 mm		B = 55 mm	
500 mm	28.0 kg	500 mm	53.0 kg
1000 mm	56.0 kg	1000 mm	106.0 kg
2000 mm	112.0 kg	2000 mm	212.0 kg
3000 mm	168.0 kg	3000 mm	424.0 kg

Halter, mit flacher Aufnahme oder Zapfen

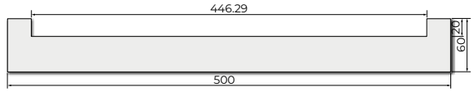


42Cr: 900-1150 N/mm²

HAD120.300 » AD120.300

600 mm	99.0 kg
1200 mm	198.0 kg
2400 mm	396.0 kg
3000 mm	495.0 kg

Halter, mit flacher Aufnahme

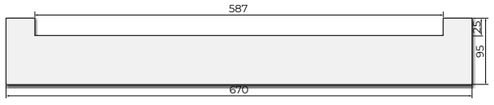


42Cr: 900-1150 N/mm²

HAD150.400 » AD150.400

600 mm	230.0 kg
1200 mm	460.0 kg
2400 mm	920.0 kg
3000 mm	1.150.0 kg

Halter, mit flacher Aufnahme

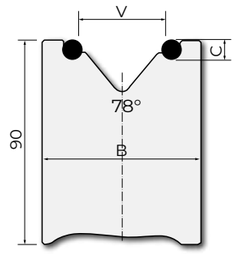


Matrizen mit Einlaufwellen

42Cr: 900-1150 N/mm² Rollen: C53: 610-760 N/mm²

MR90

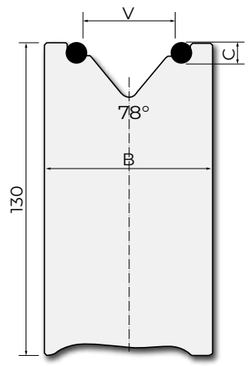
	V [mm]	B [mm]	C [mm]	L [mm]	
MR90.20.78	20	45	6	835	15.0 kg
MR90.24.78	24	49	6	835	17.0 kg
MR90.30.78	30	60	8	835	21.0 kg
MR90.40.78	40	70	8	835	24.0 kg
MR90.50.78	50	84	10	835	28.0 kg
MR90.60.78	60	94	10	835	31.0 kg
MR90.70.78	70	104	10	835	35.0 kg



42Cr: 900-1150 N/mm² Rollen: C53: 610-760 N/mm²

MR130

	V [mm]	B [mm]	C [mm]	L [mm]	
MR130.20.78	20	45	6	835	22.0 kg
MR130.24.78	24	49	6	835	25.0 kg
MR130.30.78	30	60	8	835	28.0 kg
MR130.40.78	40	70	8	835	34.0 kg
MR130.50.78	50	84	10	835	40.0 kg
MR130.60.78	60	94	10	835	45.0 kg
MR130.75.78	75	118	16	835	50.0 kg
MR130.80.78	80	123	16	835	55.0 kg
MR130.90.78	90	133	16	835	60.0 kg
MR130.100.78	100	143	16	835	65.0 kg
MR130.120.78	120	163	16	835	70.0 kg



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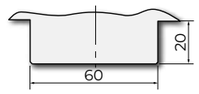
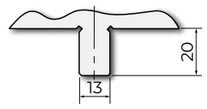
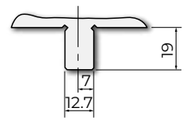
A10



A11



A13



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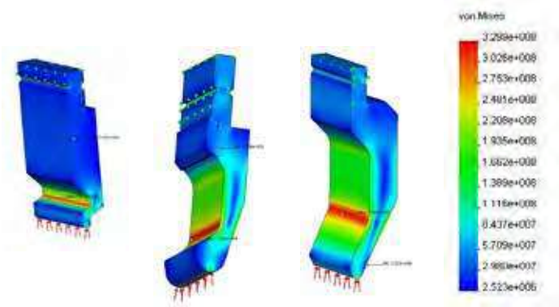
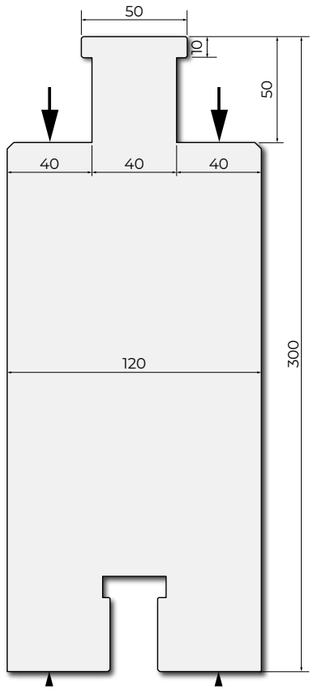
Die Biegung von Hartmaterialien mit hoher Resistenz, z.B. Hardox oder Weldox, ist zu einer wichtigen Aufgabe geworden. Rolleri Schwerlastwerkzeuge sind dafür konzipiert und hergestellt diese Aufgabe zu lösen. Sie haben eine Tragkraft von bis zu 4000kn/m und bieten Ihnen eine ganze Reihe an verschiedenen Produktionsmöglichkeiten.



siehe Tabelle

RHD.300					
RHD.300-250	500 mm		122.0 kg	2500	42Cr: 900-1150 N/mm²
RHD.300-400	500 mm		122.0 kg	4000	1.2767: 1100-1320 N/mm²



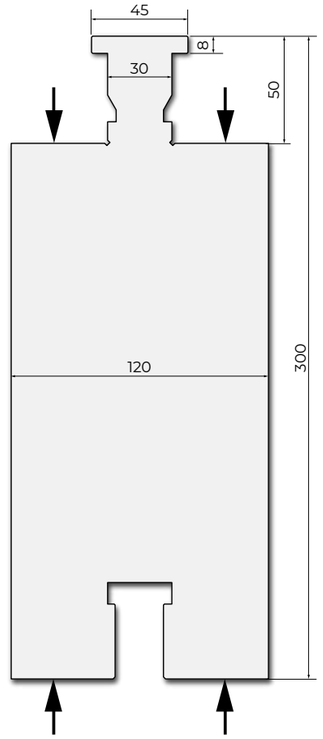
auf Anfrage

Artikel auf Lager

Lieferzeit bitte erfragen

siehe Tabelle

RHD.300 HYD					
RHD.300-250	500 mm		120.0 kg	2500	42Cr: 900-1150 N/mm²
RHD.300-400	500 mm		120.0 kg	4000	1.2767: 1100-1320 N/mm²

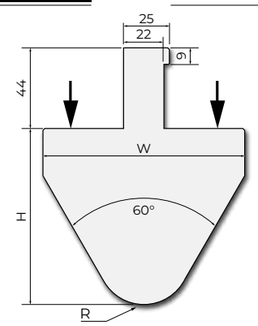


2500 kN/m max. RHDP-250 / 4000 kN/m max. RHDP-400

RHDP.60

	L [mm]	H [mm]	W [mm]	R		
RHDP.60.20-250	500	96	110	20		42Cr: 900-1150 N/mm²
RHDP.60.25-250	500	96	110	25		42Cr: 900-1150 N/mm²
RHDP.60.30-250	500	96	110	30		42Cr: 900-1150 N/mm²
RHDP.60.40-250	500	96	110	40		42Cr: 900-1150 N/mm²
RHDP.60.50-250	500	96	110	50		42Cr: 900-1150 N/mm²
RHDP.60.60-250	500	96	110	60		42Cr: 900-1150 N/mm²
RHDP.60.70-250	500	86	140	70		42Cr: 900-1150 N/mm²
RHDP.60.80-250	500	86	150	80		42Cr: 900-1150 N/mm²
RHDP.60.90-250	500	86	165	90		42Cr: 900-1150 N/mm²
RHDP.60.100-250	500	86	185	100		42Cr: 900-1150 N/mm²

	L [mm]	H [mm]	W [mm]	R		
RHDP.60.20-400	500	96	110	20		1.2767: 1100-1320 N/mm²
RHDP.60.25-400	500	96	110	25		1.2767: 1100-1320 N/mm²
RHDP.60.30-400	500	96	110	30		1.2767: 1100-1320 N/mm²
RHDP.60.40-400	500	96	110	40		1.2767: 1100-1320 N/mm²
RHDP.60.50-400	500	96	110	50		1.2767: 1100-1320 N/mm²
RHDP.60.60-400	500	96	110	60		1.2767: 1100-1320 N/mm²
RHDP.60.70-400	500	86	140	70		1.2767: 1100-1320 N/mm²
RHDP.60.80-400	500	86	150	80		1.2767: 1100-1320 N/mm²
RHDP.60.90-400	500	86	165	90		1.2767: 1100-1320 N/mm²
RHDP.60.100-400	500	86	185	100		1.2767: 1100-1320 N/mm²



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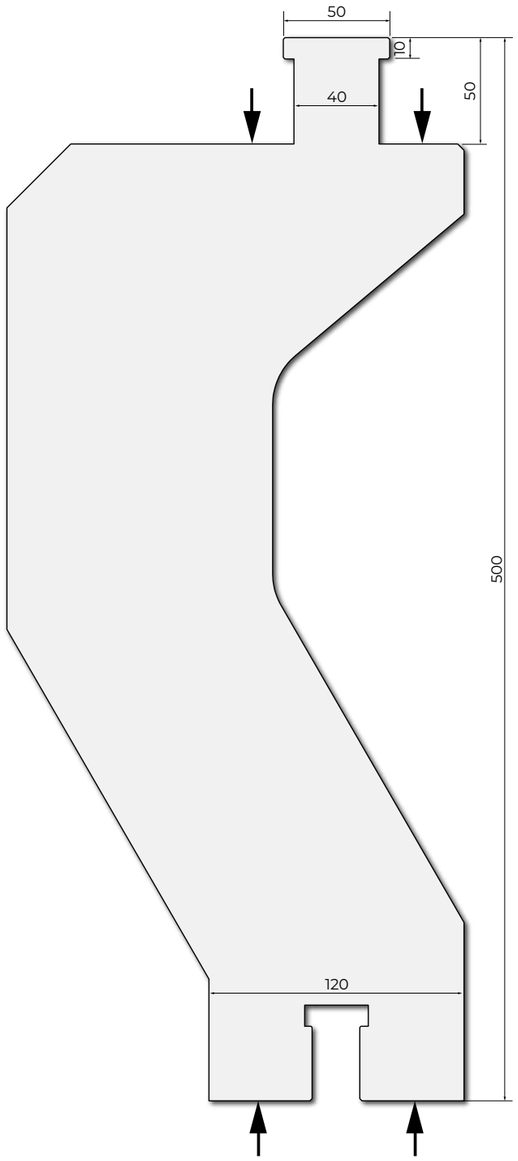
42Cr: 900-1150 N/mm²

2000 kN/m max.

RHD.500-200

150 mm		253.0 kg



SONDERWERKZEUGE FÜR:

- Z-Profile
- Hut-Profile
- Trapez-Profile
- Prägekonturen
- Falzen
- Scharniere
- Radien
- Sicken
- Spezielle Profile
- u.v.m.

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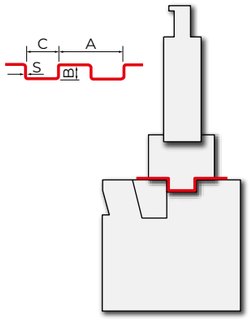
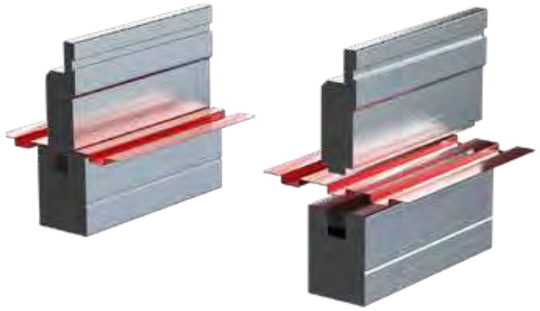
SPE1

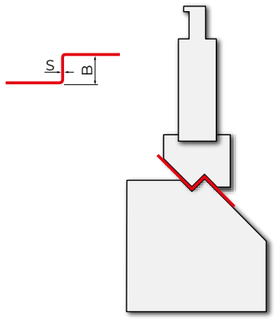


SPE1 Einsatzbeispiel



SPE2

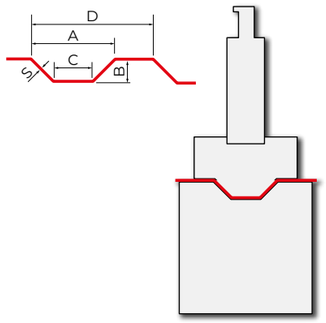
→ Z-Profil



SPE2 Einsatzbeispiel

SPE3

→Trapez-Profil



SPE3 Einsatzbeispiel

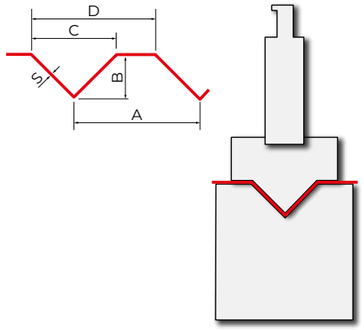
auf Anfrage

Artikel auf Lager

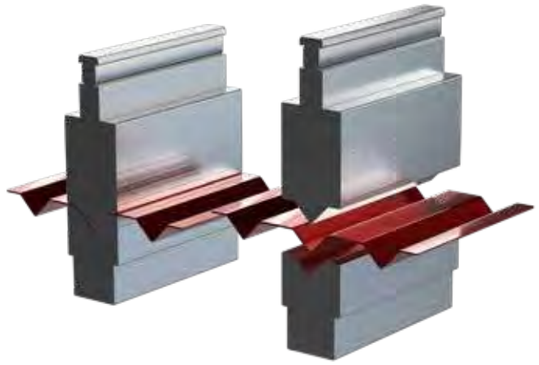
Lieferzeit bitte erfragen

Beispiele für Sonderwerkzeuge

SPE4

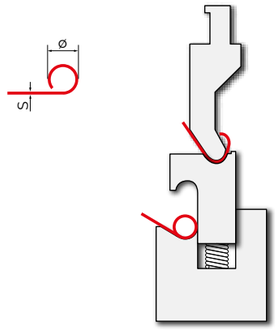


SPE4 Einsatzbeispiel



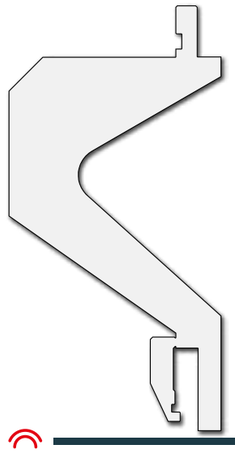
SPE5

→ Scharniere



SPE5 Einsatzbeispiel

SPE-P4



SPE-P4 Einsatzbeispiel

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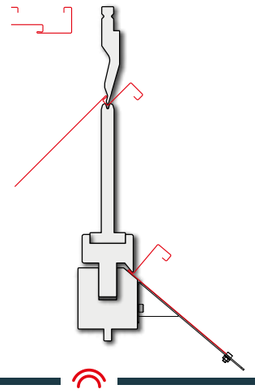
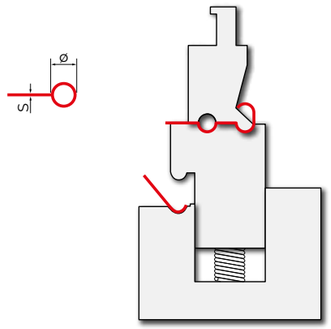
Vor- und Zudrückwerkzeug (Falzen)

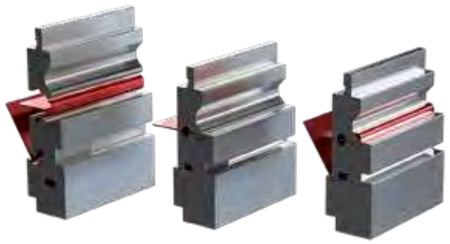


Einsatzbeispiel

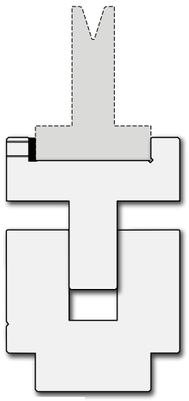
SPE6



SPE6 Einsatzbeispiel



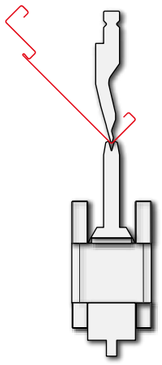
SPE9



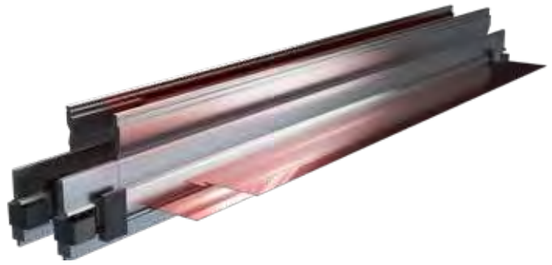
SPE9 Einsatzbeispiel

Beispiele für Sonderwerkzeuge

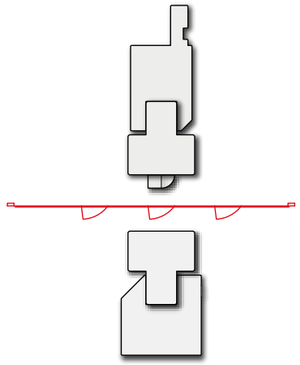
Spezial-Profil KONISCHER MAST



Einsatzbeispiel

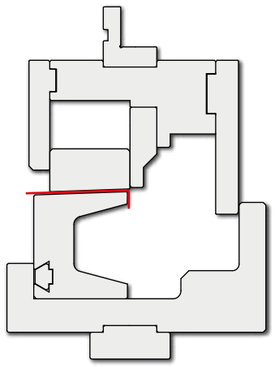


SPE10



SPE10 Einsatzbeispiel

SPE12



SPE12 Einsatzbeispiel

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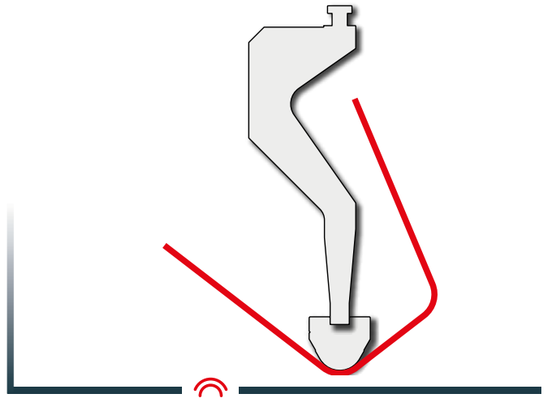
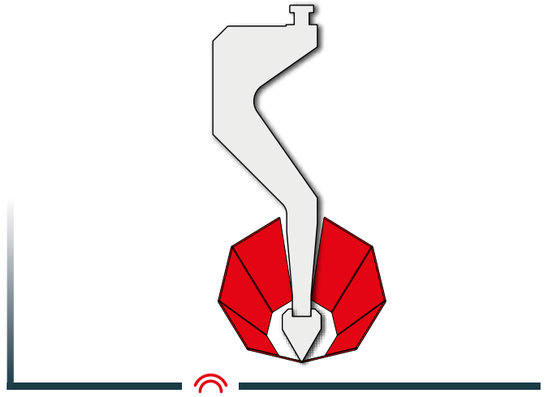
Spezial-Profil



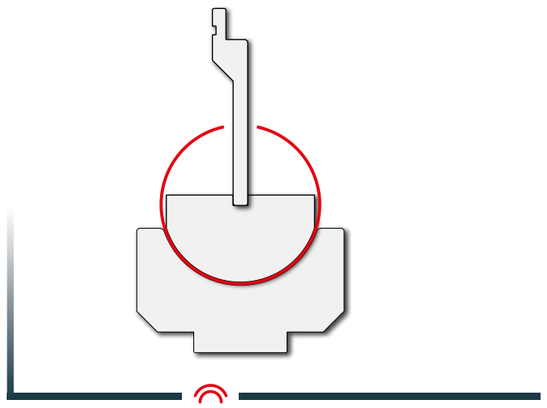
Einsatzbeispiel

Spezial-Profil KONISCHER MAST



Einsatzbeispiel

Spezial-Profil RUNDER MAST



Einsatzbeispiel

auf Anfrage

Artikel auf Lager

Lieferzeit bitte erfragen

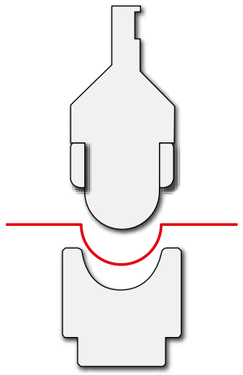
Beispiele für Sonderwerkzeuge

Spezial-Profil

Spezial-Profil ABZUGSHAUBEN

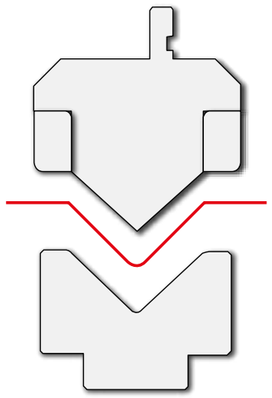
Spezial-Profil

Radien



Spezial-Profil ABZUGSHAUBEN

Prägen



auf Anfrage

Artikel auf Lager

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ROLLERI ZUBEHÖR

Abkantwerkzeugschränke	254 - 259
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Eigenschaften

- Schutz vor Verschmutzung und Beschädigung
- Schneller Zugriff
- Robuste Bauweise
- Übersichtliche und ordentliche Lagerung
- Transporttaschen für Hubwagen und Stapler
- Höhenverstellbare, verzinkte Einlegeböden

- 1.5 mm dicke Struktur
- Maximalgewicht: 250-280kg pro Auszug

Abkantwerkzeugschränke

20 m Lagerkapazität | **max. Werkzeuglänge: 835 mm** | 280 kg max./Auszug

ARM 835-4

Rolleri Ref.	B [mm]	H [mm]	P [mm]	Auszüge	Preis	Gewicht	R1
ARM 835-4	850	1240	1050	4 (CS-1)	€ 1.986,-	271.0 kg	

Einlegeböden	Rolleri Ref	Werkzeugaufnahme
16	UC-13-1	13 mm
4	UL-13-3	13 mm

25 m Lagerkapazität | **max. Werkzeuglänge: 835 mm** | 280 kg max./Auszug

ARM 835-5

Rolleri Ref.	B [mm]	H [mm]	P [mm]	Auszüge	Preis	Gewicht	R1
ARM 835-5	1040	1240	1050	5 (CS-1)	€ 2.149,-	350.0 kg	

Einlegeböden	Rolleri Ref	Werkzeugaufnahme
20	UC-13-1	13 mm
5	UL-13-3	13 mm

26/39 m Lagerkapazität | **max. Werkzeuglänge: 1.060 mm** | 250 kg max./Auszug

ARM 1060-4.13

Rolleri Ref.	B	H	P	Auszüge	Preis	Gewicht	R1
ARM 1060-4.13	850	1240	1360	4 (CS-2)	€ 2.392-	340.0 kg	

Einlegeböden	Rolleri Ref	Werkzeugaufnahme
20	UL-13-4	13 mm

32.5/52 m Lagerkapazität | **max. Werkzeuglänge: 1.060 mm** | 250 kg max./Auszug

ARM 1060-5.13

Rolleri Ref.	B [mm]	H [mm]	P [mm]	Auszüge	Preis	Gewicht	R1
ARM 1060-5.13	1040	1240	1360	5 (CS-1)	€ 2.693,-	400.0 kg	

Einlegeböden	Rolleri Ref	Werkzeugaufnahme
25	UL-13-4	13 mm

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Abkantwerkzeugschränke

26/39 m Lagerkapazität | max. Werkzeuglänge: 1.060 mm | 250 kg max./Auszug

ARM 1060-4 / -CV

Rolleri Ref.	B [mm]	H [mm]	P [mm]	Auszüge	Preis	Gewicht	
ARM 1060-4	850	1240	1360	4 (CS-2)	€ 2.730,-	340.0 kg	R2 R3
ARM 1060-4-CV	850	1240	1360	4 (CS-2)	€ 3.058,-	351.0 kg	

Einlegeböden	Rolleri Ref	Werkzeug-aufnahme	Einlegeböden	Rolleri Ref	Werkzeug-aufnahme
ARM 1060-4			ARM 1060-4-CV		
16	UC-20-2	20 mm	20	UC-20-1	20 mm
4	UL-20-4	20 mm	10	UL-20-4	20 mm

32.5/52 m Lagerkapazität | max. Werkzeuglänge: 1.060 mm | 250 kg max./Auszug

ARM 1060-5 / -CV

Rolleri Ref.	B [mm]	H [mm]	P [mm]	Auszüge	Preis	Gewicht	
ARM 1060-5	1040	1240	1360	5 (CS-2)	€ 3.142,-	400.0 kg	R2 R3
ARM 1060-5-CV	1040	1240	1360	5 (CS-2)	€ 3.741,-	490.0 kg	

Einlegeböden	Rolleri Ref	Werkzeug-aufnahme	Einlegeböden	Rolleri Ref	Werkzeug-aufnahme
ARM 1060-5			ARM 1060-5-CV		
20	UC-20-2	20 mm	30	UC-20-1	20 mm
5	UL-20-4	20 mm	10	UL-20-4	20 mm

20.8/31.2 m Lagerkapazität | max. Werkzeuglänge = 1.060 mm | 250 kg max./Auszug

ARM 1060-4-T / -CV

Rolleri Ref.	B [mm]	H [mm]	P [mm]	Auszüge	Preis	Gewicht	
ARM 1060-4-T	850	1240	1360	4 (CS-2)	€ 2.392,-	340.0 kg	R2 R3
ARM 1060-4-T-CV	850	1240	1360	4 (CS-2)	€ 3.022,-	395.0 kg	

Einlegeböden	Rolleri Ref	Werkzeug-aufnahme	Einlegeböden	Rolleri Ref	Werkzeug-aufnahme
ARM 1060-4-T			ARM 1060-4-T-CV		
8	UL-13-4	13 mm	16	UC-13-1	13 mm
8	UT-4	13 mm	8	UT-4	13 mm

26/41.6 m Lagerkapazität | max. Werkzeuglänge = 1.060 mm | 250 kg max./Auszug

ARM 1060-5-T / -CV

Rolleri Ref.	B [mm]	H [mm]	P [mm]	Auszüge	Preis	Gewicht	
ARM 1060-5-T	1040	1240	1360	5 (CS-2)	€ 2.700,-	400.0 kg	R2 R3
ARM 1060-5-T-CV	1040	1240	1360	5 (CS-2)	€ 3.660,-	400.0 kg	

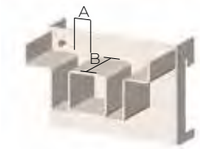
Einlegeböden	Rolleri Ref	Werkzeug-aufnahme	Einlegeböden	Rolleri Ref	Werkzeug-aufnahme
ARM 1060-5-T			ARM 1060-5-T-CV		
10	UL-13-4	13 mm	24	UC-13-1	13 mm
10	UT-4	13 mm	8	UT-4	13 mm

Zubehör und Accessories

UC-Einlegeböden

	L [mm]	A [mm]	B [mm]		
UC-13-1	125	13	76	€ 51,-	0.5 kg
UC-13-2	250	13	232	€ 75,-	1.0 kg
UC-20-1	125	20	76	€ 51,-	0.5 kg
UC-20-2	250	20	232	€ 75,-	1.0 kg

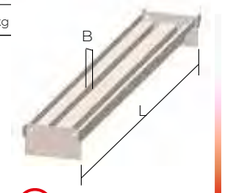
je 2 Stück



Halter

UL-Einlegeböden

	L [mm]	B [mm]		
UL-13-1	270	13	€ 51,-	1.2 kg
UL-13-2	580	13	€ 51,-	2.5 kg
UL-13-3	1050	13	€ 51,-	4.6 kg
UL-13-4	1360	13	€ 51,-	6.0 kg
UL-20-1	270	20	€ 51,-	1.4 kg
UL-20-2	580	20	€ 51,-	3.2 kg
UL-20-3	1050	20	€ 51,-	5.8 kg
UL-20-4	1360	20	€ 51,-	7.5 kg



Halter

UT-Einlegeböden

	L [mm]		
UT-1	270	€ 74,-	1.4 kg
UT-2	580	€ 74,-	3.2 kg
UT-3	1050	€ 74,-	5.8 kg
UT-4	1360	€ 74,-	7.5 kg

UV-Einlegeböden

	L [mm]		
UV-1	270	€ 40,-	1.0 kg
UV-2	580	€ 40,-	2.0 kg
UV-3	1050	€ 40,-	4.3 kg
UV-4	1360	€ 40,-	5.5 kg

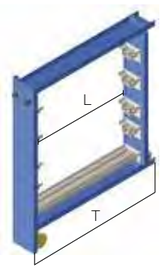
ausreichend Platz für Oberwerkzeuge
mit Sicherheitsstiften

Halter

Halter

CS-Auszüge

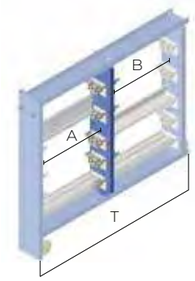
	T [mm]	L [mm]		
CS-1	1050	856	€ 118,-	22.0 kg
CS-2	1360	1166	€ 130,-	25.0 kg



Halter

CV-Auszüge

	T [mm]	A [mm]	L [mm]		
CV-1	1050	580	270	€ 59,-	7.0 kg
CV-2	1360	580	580	€ 59,-	7.0 kg



Halter

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Werkzeugwagen

26/39 m Lagerkapazität | max. Werkzeuglänge = 1.060 mm | 250 kg max./Einlegeboden

A Trolley

R1

B [mm]	H [mm]	P [mm]	Einlegeböden	Preis	Gewicht
1060	1520	1160	30	€ 1.252,-	108.0 kg

26/39 m Lagerkapazität | max. Werkzeuglänge = 1.060 mm | 250 kg max./Einlegeboden

T Trolley

R2

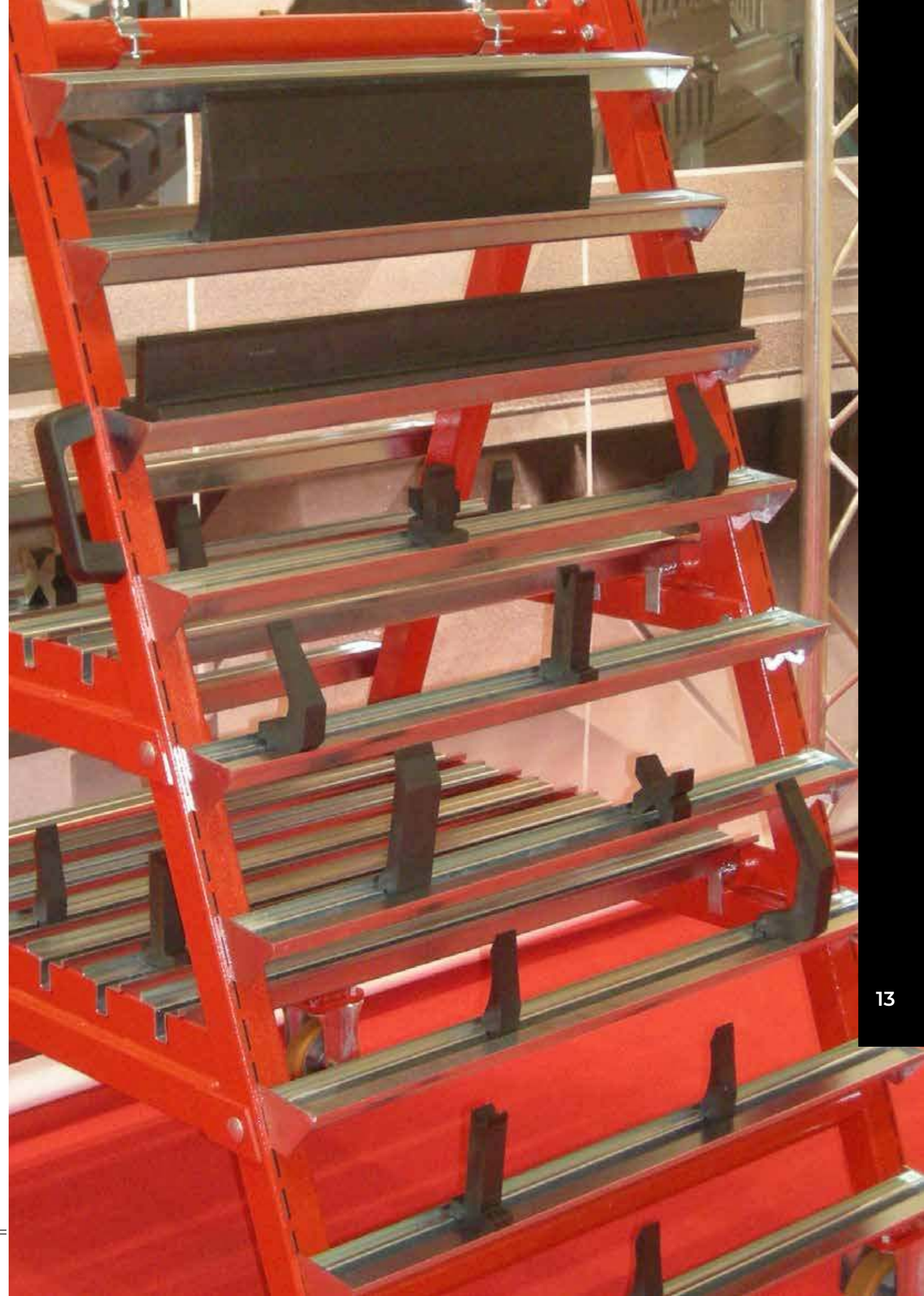
B [mm]	H [mm]	P [mm]	Einlegeböden	Preis	Gewicht
1060	1520	1160	21	€ 1.503,-	175.0 kg

26/39 m Lagerkapazität | max. Werkzeuglänge = 1.060 mm | 250 kg max./Einlegeboden

B Trolley

R3

B [mm]	H [mm]	P [mm]	Einlegeböden	Preis	Gewicht
1060	1520	1160	21	€ 1.461,-	135.0 kg



auf Anfrage | Artikel auf Lager | Lieferzeit bitte erfragen

Abkant-Koffer

Abkant-Koffer

€	215,-	1.6 kg

Alle erforderlichen Messinstrumente für die Abkantpressenbediener

- DIGITALSCHIEBLEHRE
- ANSCHLAGWINKEL
- WINKELMESSER
- LEISTEN

Seitenanschläge

MSA - magnetisch

MSA.D	rechts	pro Stück	€	244,-	1.4 kg
MSA.S	links	pro Stück	€	244,-	1.4 kg

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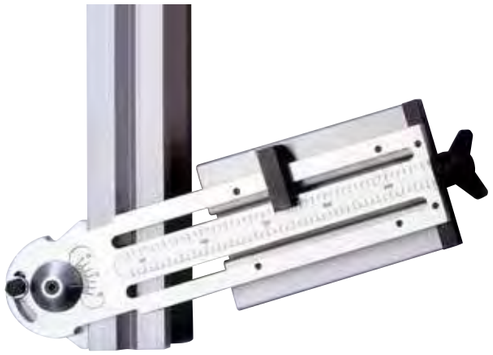
AS

€ 530,- | 3.5 kg pro Stück



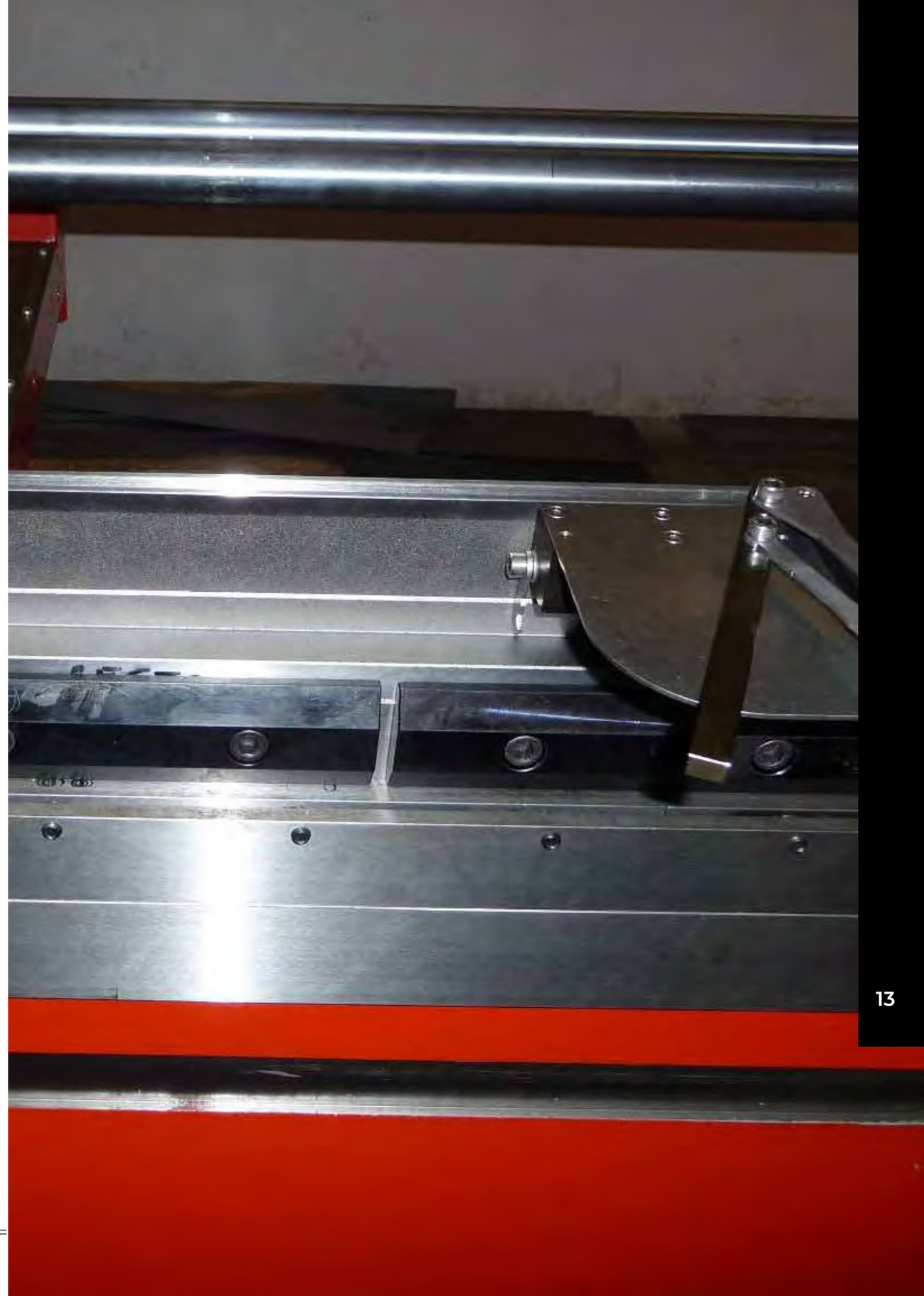
AS FIX

€ 205,- | 3.0 kg pro Stück

RIF-Auflagearm

	L[mm]		
RIF500	500	€ 753,-	7.0 kg
RIF1000	1000	€ 886,-	12.0 kg
RIF1500	1500	€ 1.074,-	17.0 kg

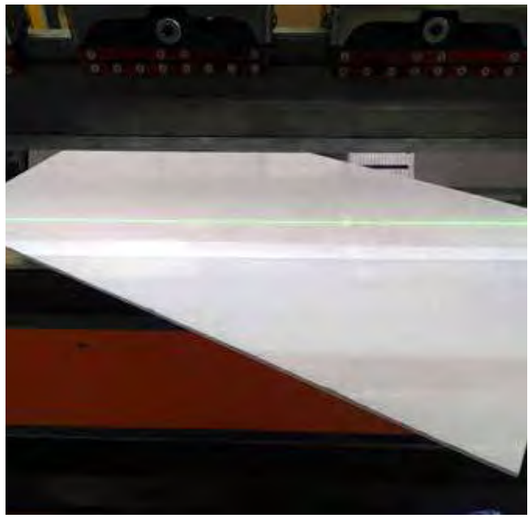
- Für sicheres Auflegen von großformatigen Blechen
- Große Auflagefläche gewährleistet ein problemloses Anlegen der Blechteile
- Einfache Handhabung

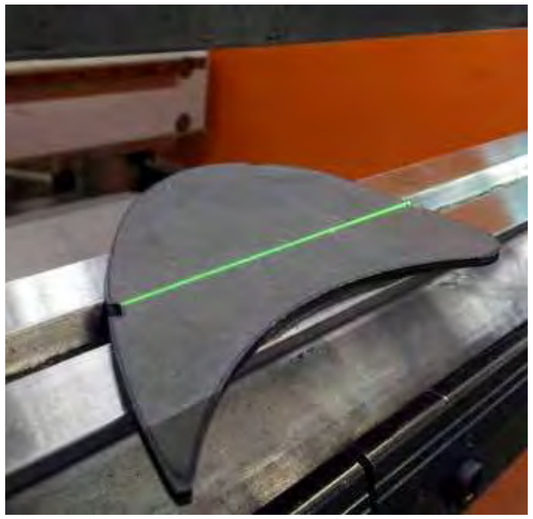


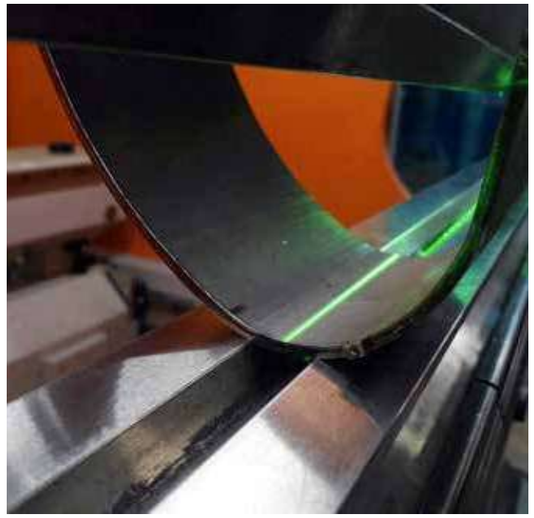
auf Anfrage | Artikel auf Lager | Lieferzeit bitte erfragen

Laser Tracker

- Sichtbare Genauigkeit
- Keine weiteren Programmierungen/Maschieneneinstellungen notwendig
- Schnelles, einfaches und genaues abkanten.
- Einsetzbar an allen Abkantpressen
- Einfache Installation
- Konische Biegungen einfach machbar
- Einfaches Abkanten von Blechen, die nur schwer an den Hinteranschlag ausgerichtet werden können (unregelmäßige Profile)
- Markiertes abkanten z. B. bei Lasermarkierungen







	L [mm]	Preis	Gewicht
Smart Holder	600	€ 304,-	3.0 kg
Laser Tracker	-	€ 551,-	3.0 kg

auf Anfrage

Artikel auf Lager

Lieferzeit bitte erfragen

WEITERE ROLLERI PRODUKTE

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Klemmungen

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WERK-ZEUGE	ROLLERI KLEMMUN-GEN	OBERE SEITE	UNTERE SEITE	VERTIKALER WERKZEUG-WECHSEL	HORIZONTALER WERKZEUG-WECHSEL	PNEUMATI-SCHE AUSFÜHRUNG	HYDRAULI-SCHE AUSFÜHRUNG	MANUELLE AUSFÜHRUNG
R1	ROL200 KDS	●	-	●	●	●	●	-
R1	ROL200	●	-	●	-	●	●	●
R1	ROL4	●	-	-	●	-	●	●
R1	FAST CLAMP	●	-	●	●	-	-	●
R1	DOUBLE FAST CLAMP	●	-	●	●	-	-	●
R1	EASY CLAMP	●	-	-	●	-	-	●
R1	DOUBLE EASY CLAMP	●	-	-	●	-	-	●
R1	ROL2	-	●	-	-	●	●	●
R2	W ROL	●	-	●	●	●	●	-
R2	W ROL 2	-	●	-	-	●	●	-
R3 R4 RX	ROL3	●	-	●	●	-	●	-
R American	UNIVERSAL FAST CLAMP	●	-	●	-	-	-	●
R American	UNIVERSAL EASY CLAMP	●	-	-	●	-	-	●

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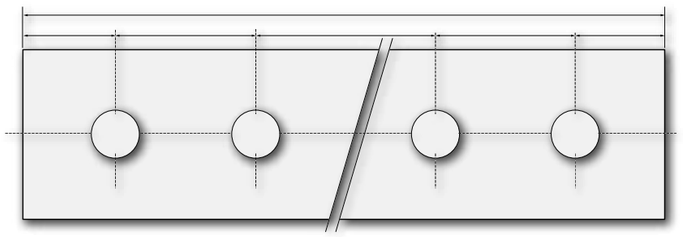
Scherenmesser

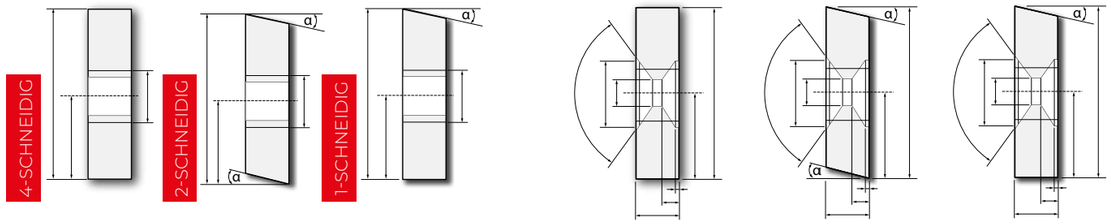
Wir fertigen in unserem Betrieb seit mehr als 20 Jahren Scherenmesser für

- Tafelscheren
- und andere Schneidmaschinen.

Hochwertige Stähle werden passend zu Ihren Einsatzgebieten verwendet.

50	55	60	65	70	75	80	85	90	100
50 x 10									
50 x 11									
50 x 12	55 x 12	60 x 12							
50 x 13	55 x 13	60 x 13	65 x 13	70 x 13					
50 x 14	55 x 14	60 x 14	65 x 14	70 x 14					
50 x 15	55 x 15	60 x 15	65 x 15	70 x 15	75 x 15				
	55 x 16	60 x 16	65 x 16	70 x 16	75 x 16	80 x 16			
	55 x 17	60 x 17	65 x 17	70 x 17	75 x 17				
	55 x 18	60 x 18	65 x 18	70 x 18	75 x 18	80 x 18	85 x 18		
	55 x 19	60 x 19	65 x 19	70 x 19	75 x 19	80 x 19	85 x 19		
	55 x 20	60 x 20	65 x 20	70 x 20	75 x 20	80 x 20	85 x 20	90 x 20	100 x 20
					75 x 21	80 x 21	85 x 21	90 x 21	
					75 x 22	80 x 22	85 x 22	90 x 22	100 x 22
					75 x 23	80 x 23	85 x 23	90 x 23	
					75 x 24	80 x 24	85 x 24	90 x 24	
					75 x 25	80 x 25	85 x 25	90 x 25	100 x 25
									100 x 26
									100 x 27
									100 x 28
									100 x 29
									100 x 30





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Bitte geben Sie uns folgende Informationen:

- Was schneiden Sie mit Ihrer Maschine: Stahl, Edelstahl, Aluminium, etc.?
- Wie dick ist Ihr Material im Durchschnitt?
- Wie häufig benutzen Sie Ihre Schneidmaschine (Schneidvorgänge pro Stunde/Tag/Woche)?
- Wie viele Ober- und Untermesser benötigen Sie?

Schwenkbiegewerkzeuge

- Eigene Produktion (kein Reseller)
- Herstellung nach Ihren Angaben
- Nachverfolgbarkeit jedes Werkzeugs durch Vergabe einer Seriennummer nach der Qualitätsprüfung
- Präzisionsschliff (Toleranz von +/-0,01 mm)
- Garantierte Wiederholgenauigkeit
- Genaue Parallelität
- Verwendung optimaler Werkstoffe, die eine hohe Belastbarkeit und Zugfestigkeit garantieren

Stanzwerkzeuge

ROLLERI TYP R1 → kompatibel mit OEM: Amada, Amada ABS, Wilson HP, Wilson HP WLS and Mate Ultra Tec
- A-E Station
- Multitools
- Zubehör

ROLLERI TYP R2 → kompatibel mit OEM: Trumpf
- Standard Tools
- Multitools
- Schneidwerkzeuge
- Zubehör

ROLLERI TYP RS → kompatibel mit OEM: Salvagnini
- Typ 3 Tools

ROLLERI TYP R4 → kompatibel mit OEM: Geka,Peddinghaus,Mubéa-Sunrise,Selfer,Alfra,Imac,Ficep,Kingsland
- Ironworker

SONDERWERKZEUGE → Die Sonderwerkzeuge sind kompatibel mit Thick Turret Stanzmaschinen.

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Laserverschleissteile

CO2 LASERLINSEN

ROLLERI Typ A Linsen
- <0.2% Absorption
- Langlebigkeit
- Garantierte Qualität
- Meniscus und Plano-Convex Linsen

ROLLERI Typ C Linsen
- <0,13% Absorption
- Langlebigkeit
- Geeignet für High-Power Laser
- Kompatibel mit heNe Laser
- Meniscus und Plano-Convex Linsen

FIBER LASERLINSEN

- Aus geschmolzenem Silizium für High-Power Laser
- Minimale Absorption
- Oberflächenbeschichtung

SCHUTZFENSTER

- Bessere Resultate
- Gutes Preis-Leistungsverhältnis
- Oberflächenbeschichtung
- Geringe Absorption

DÜSEN

- Kompatibel mit den meisten OEM Schneidköpfen
- Hohe Erstellungspräzision
- Normale und verchromte Düsen für CO2 Laser
- Düsen für Fiber Laser
- Keramische Verschleissteile
- Zubehör und Ersatzteile

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TECHNISCHE INFORMATIONEN

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- Nachverfolgbarkeit jedes Werkzeugs durch Vergabe einer Seriennummer nach der Qualitätsprüfung
- Alle Werkzeuge induktiv auf 54-60 HRc gehärtet
- Präzisionsschleifen mit Toleranz von +/-0,01mm
- ISO-Zertifizierung (9001:2015)
- Das Rohmaterial wird von qualifizierten Lieferanten bezogen, die die chemische Zusammensetzung nach internationalen Richtlinien erfüllen und somit eine hohe Belastbarkeit und Zugfestigkeit garantieren.

Material - Standardwerkzeuge

Werkstofftyp	Mechanische Widerstandsfähigkeit des Werkstoffs und des Werkzeugkörpers	Härte des Werkstoffs und des Werkzeugkörpers	Härte der Arbeitsoberflächen nach induktiver Härtung
42CrMo4 42Cr: 900-1150 N/mm²	900-1150 N/mm²	29.1 - 36.9 HRC	54 - 60 HRC
C45 C45: 560-710 N/mm²	560-710 N/mm²	12 - 15.5 HRC	54 - 60 HRC

Angaben für die maximale Presskraft kN/m wurden auf 1 t = 10 kN gerundet.

Material - Matrizen ROLLA-V Onyx

	Modell	Werkstofftyp	Mechanische Widerstandsfähigkeit des Werkstoffs und des Werkzeugkörpers	Härte des Werkstoffs und des Werkzeugkörpers
Grundkörper	1 / 2 / 2.5 / 3 / 4	42CrMo4 42Cr: 900-1150 N/mm²	900-1150 N/mm²	55 HRc
Biegewangen	1 / 2 / 2.5	Toolox 44 Toolox 44	1450 N/mm²	durchgehärtet 44 HRc
Biegewangen	3 / 4	Toolox 33 Toolox 33	1100 N/mm²	55 HRc

Angaben für die maximale Presskraft kN/m wurden auf 1 t = 10 kN gerundet.

Material - Sonderwerkzeuge und Schwerlastwerkzeuge

Werkstofftyp	Mechanische Widerstandsfähigkeit des Werkstoffs und des Werkzeugkörpers	Härte des Werkstoffs und des Werkzeugkörpers	Härte der Arbeitsoberflächen nach induktiver Härtung
42CrMo4 42Cr: 900-1150 N/mm²	900-1150 N/mm²	29.1 - 36.9 HRC	54 - 60 HRC
C45 C45: 560-710 N/mm²	560-710 N/mm²	12 - 15.5 HRC	54 - 60 HRC
1.2767 1.2767: 1100-1320 N/mm²	1100-1320 N/mm²	36 - 42 HRC	54 - 60 HRC
C53 C53: 610-760 N/mm²	610-760 N/mm²	16 - 19 HRC	60 - 62 HRC

Angaben für die maximale Presskraft kN/m wurden auf 1 t = 10 kN gerundet.

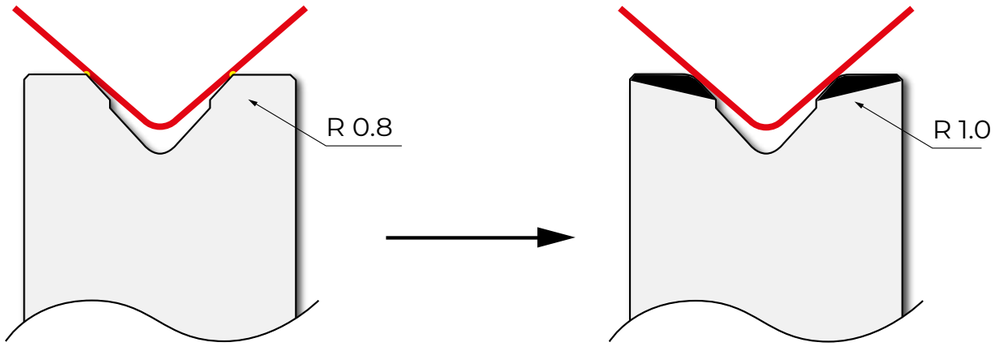
Vermeidung oder Verringerung von Abdruckspuren

Eine Herausforderung beim Abdruck ist die Vermeidung von Abkantspuren, wie z.B. Kratzer und Abschürfungen, auf der Oberfläche der Produkte. Vor allem bei Profilen aus:

- Edelstahl
- Aluminium
- Lackierten Blechen

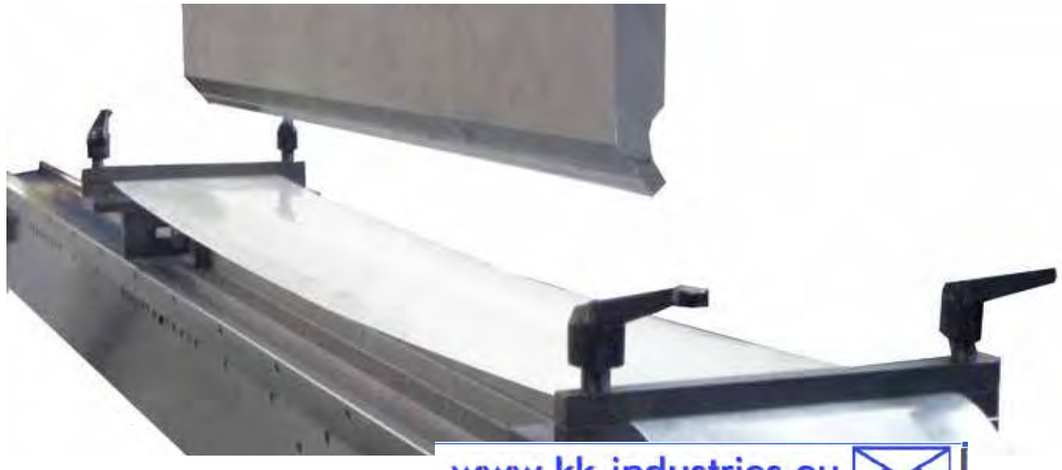
Dabei geht es häufig um die Strichbildung an den Kontaktpunkten des Bleches mit der Matrize. Dies ist die Folge der Reibung des Bleches auf einem kleinen Radius. Um diese Markierungen zu vermeiden, gibt es folgende Möglichkeiten:

- Abkantfolien
- PU-Polster
- Kunststoffmatrizen
- Rolla-V
- Roll Prime NEU
- Vergrößerte Einlaufradien bei speziellen T-Matrizen



Standard T-Matrize
mit kleinem Einlaufradius verursacht
sichtbare Abkantspuren

T-Matrize TR
mit vergrößertem Einlaufradius reduziert
deutlich Abkantspuren



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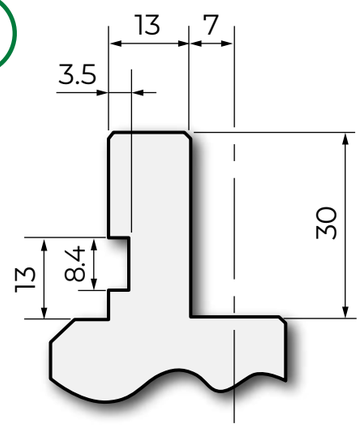
Modifikation von Standardaufnahmen

- Rolleri Oberwerkzeuge Typ R1, R2 und R3 können durch Modifikation der Aufnahme auf anderen Systemen eingesetzt werden
- Präzisionsschliff (Toleranz von +/-0,01mm)
- Genaue Parallelität

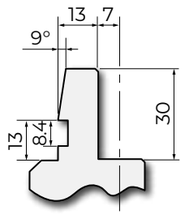
R1



OT

835 mm	€	33,-
415 mm	€	22,-
805 mm	€	55,-

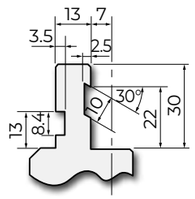
Modifikation für:
· Für Amada Schnellspannung



A1

835 mm	€	33,-
415 mm	€	22,-
805 mm	€	55,-

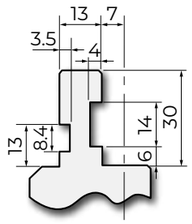
Nut zusätzlich zur 8,4 x 3,5 mm Nut für:
· Pneumatische Klemmung



A6

835 mm	€	33,-
415 mm	€	22,-
805 mm	€	55,-

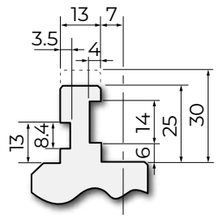
Nut zusätzlich zur 8,4 x 3,5 mm Nut für:
· R3
· Bystronic-Beyeler Euro
· Safan



A7

835 mm	€	33,-
415 mm	€	22,-
805 mm	€	55,-

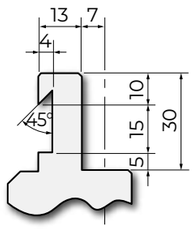
Nut zusätzlich zur 8,4 x 3,5 mm Nut und gekürzte Aufnahme für:
· R3
· Bystronic-Beyeler Euro
· Safan



A8

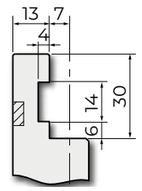
835 mm	€	33,-
415 mm	€	22,-
805 mm	€	55,-

Nut für:
· Hydraulische Klemmungen RX Gasparini



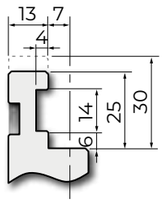
A41

835 mm	€	33,-
415 mm	€	22,-
805 mm	€	55,-



A42

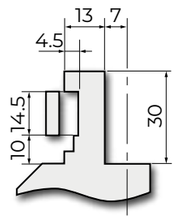
835 mm	€	33,-
415 mm	€	22,-
805 mm	€	55,-



A43

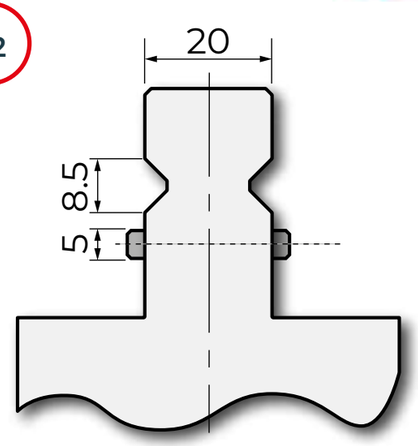
835 mm	€	33,-
415 mm	€	22,-
805 mm	€	55,-

Nut mit Stahlleiste für:
· Sektionierte Oberwerkzeuge



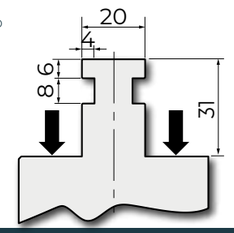
Modifikationen

R2



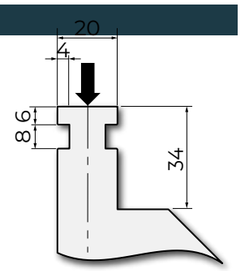
Beispiel 1

Modifikation von Werkzeugen Typ R2 schultertragend

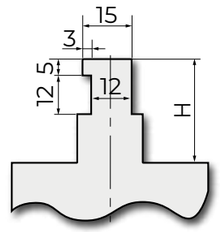


Beispiel 2

Modifikation von Werkzeugen Typ R2 kopftragend



Beispiel 3



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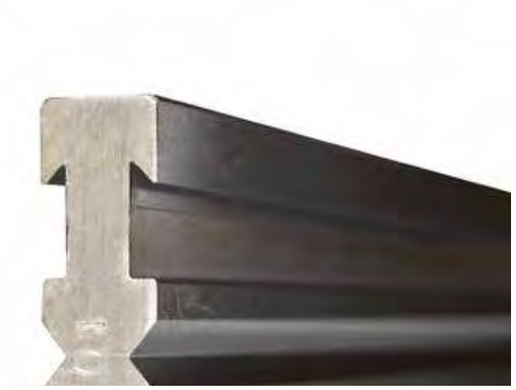
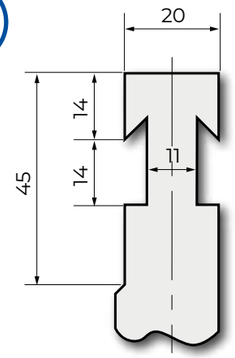
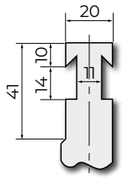


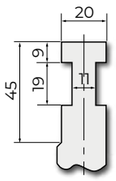
R3



Beispiel 1



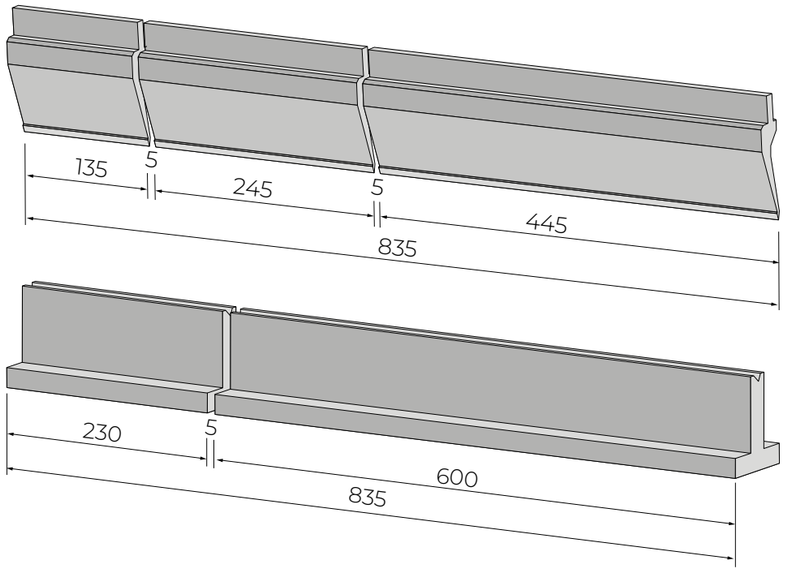
Beispiel 2



Spezielle Trennschnitte

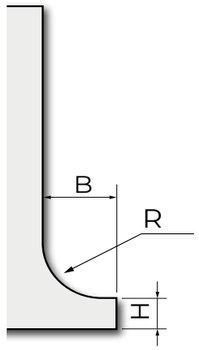
- Individuelle Teilung Ihrer Oberwerkzeuge und Matrizen
- Pro Trennschnitt ergibt sich ein Längenverlust von ca. 5 mm

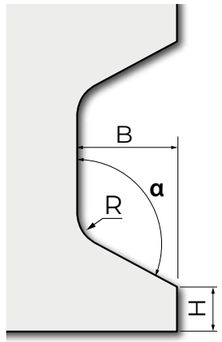
Beispiel :

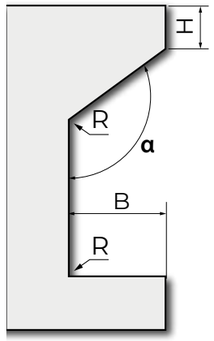


Hornstücke

- Individuelle Hornstücke an Oberwerkzeugen und Matrizen
- Ein- oder beidseitig



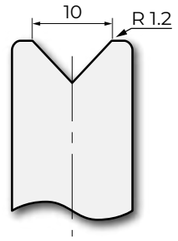


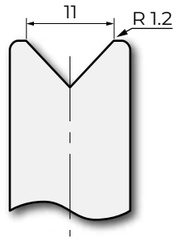


Änderung der V-Öffnung

- Individuelle Anpassung von Matrizen
- Produktion nach Ihren Anforderungen

Beispiel:



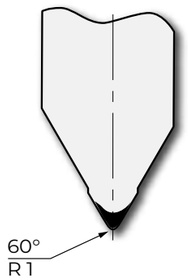


Radienänderung

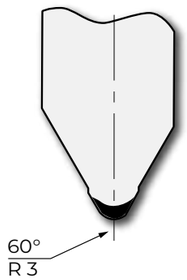
- Produktion nach Ihren Anforderungen

Beispiele:

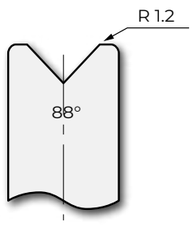
vorher



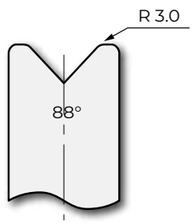
nachher



vorher



nachher



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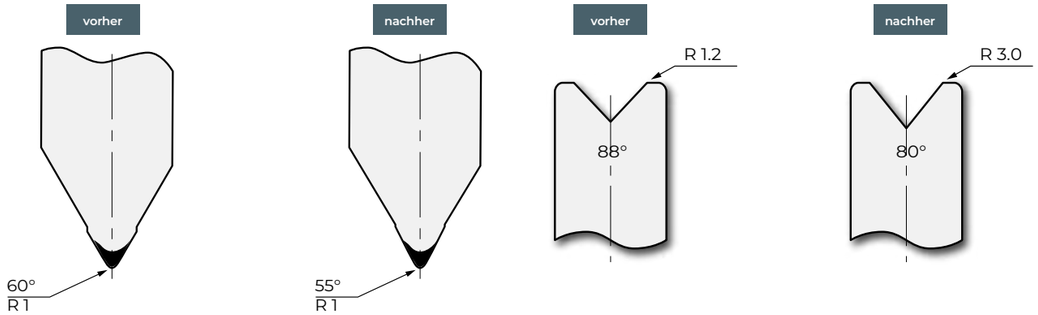
Winkeländerung

- Produktion nach Ihren Anforderungen

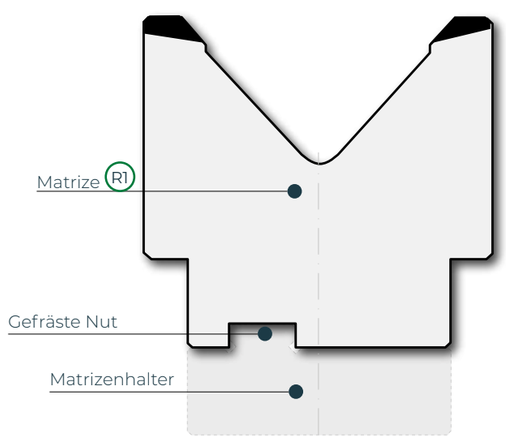
Beispiele:



Nuten bei Matrizen

- Einfräsen von Nuten zum Einsatz auf anderen Systemen

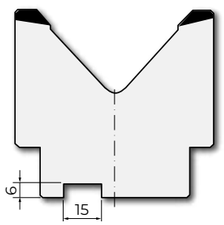
Anwendungsbeispiel



A28

835 mm	€ 53,-
415 mm	€ 32,-
805 mm	€ 74,-

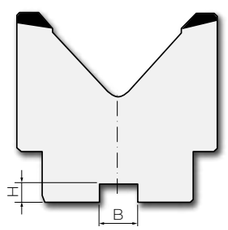
Nut für Matrizenhalter



A29

835 mm	€ 53,-
415 mm	€ 32,-
805 mm	€ 74,-

Nut individuell nach Ihren Angaben



auf Anfrage

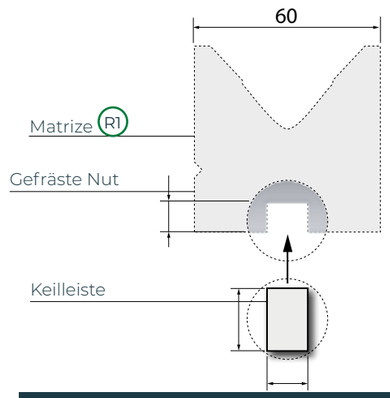
Artikel auf Lager

Lieferzeit bitte erfragen

Keilleisten bei Matrizen

Einfräsen einer Nut und Einsatz einer geschliffenen enen Keilleiste in benötigter Größe zum Einsatz auf anderen Systemen

Anwendungsbeispiel

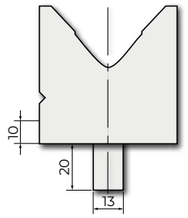


A30

835 mm	€ 65,-
415 mm	€ 44,-
805 mm	€ 195,-

Keilleiste: 13 x 30 mm für:

- R2
- R3

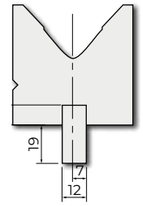


A31

835 mm	€ 65,-
415 mm	€ 44,-
805 mm	€ 195,-

Keilleiste: 12 x 29 mm für:

- R4

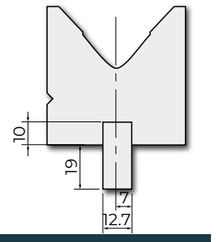


A32

835 mm	€ 65,-
415 mm	€ 44,-
805 mm	€ 195,-

Keilleiste: 12,7 x 29 mm für:

- R4

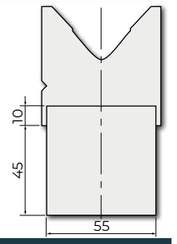


A44

835 mm	€ 158,-
415 mm	€ 97,-
805 mm	€ 347,-

Keilleiste: 55 x 55 mm für:

- RX EHT

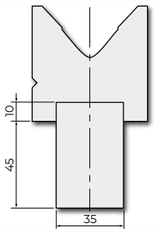


A45

835 mm	€ 124,-
415 mm	€ 78,-
805 mm	€ 299,-

Keilleiste: 35 x 55 mm für:

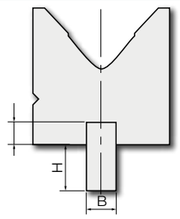
- RX Weinbrenner



AX

835 mm	
415 mm	
805 mm	

Individuelle Keilleiste für:
andere Systeme

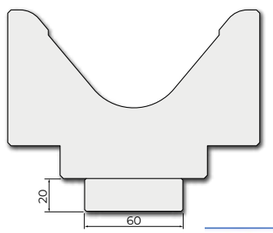


A60

835 mm	€ 98,-
415 mm	€ 65,-
805 mm	€ 293,-

Leiste für Matrizen R1

- M103.80.125
- M130.80.160
- M195.70.200

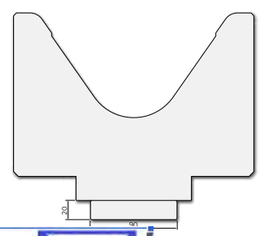


A90

835 mm	€ 163,-
415 mm	€ 103,-
805 mm	€ 412,-

Leiste für Matrizen:

- M195.70.200 R1
- RVM90-4 Rolla-V



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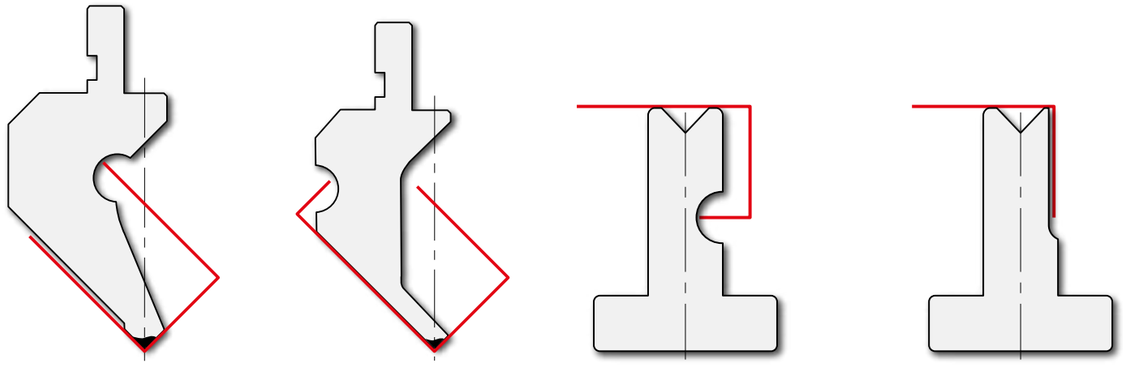
Modifikationen

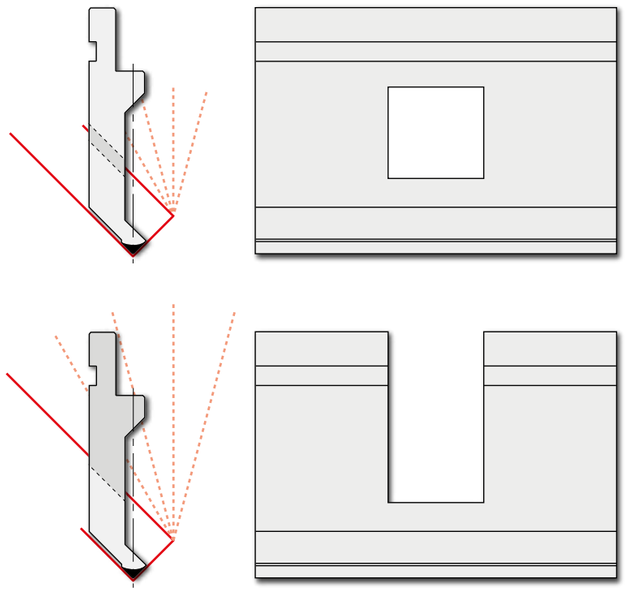
Aussparungen

- Produktion nach Ihren Bedürfnissen



Fenster

- Produktion nach Ihren Bedürfnissen



Oberflächenbehandlungen

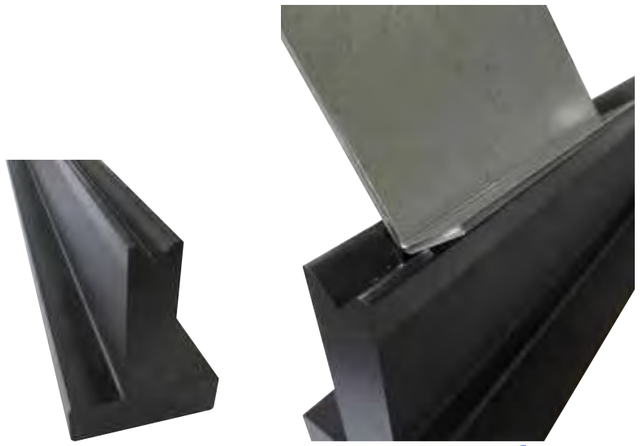
Rolleri BLACKFIRE

BLACKFIRE von Rolleri ist eine einzigartige Beschichtung Ihrer Werkzeuge, die sich durch erhöhten Korrosionswiderstand und spezielles Design auszeichnet.
Durch den Prozess der Phosphatierung verändert sich die Oberfläche des Metalls – es bilden sich phosphatische Kristalle, die chemisch an Substrat gebunden werden. Dies verbessert die Widerstandsfähigkeit der Oberfläche und schützt vor Korrosion .
Ihre Ausrüstung wird langfristig unverändert bleiben. Die glänzende schwarze Farbe von BLACKFIRE ist Synonym für die neue Technologie, die die Anwendungsvorteile mit einer ausgefallenen und bestechenden Ästhetik verbindet. BLACKFIRE können Sie bei allen Werkzeugen gegen einen Aufpreis von nur 15 % erhalten.
Bitte beachten Sie, dass sich die Lieferzeiten bei BLACKFIRE verlängert.

Rolleri FREEZINC

Nutzen Sie die völlig neue und spezielle Oberflächenbehandlung von Rolleri. Die neue Veredelung bietet Ihnen enorme Vorteile:

- Höhere Standzeiten (Minimierung von Materialabrieb)
- Keine Kontaminierung Ihrer Werkzeuge (bei Verwendung von Aluminium oder verzinkten Blechen)
- Keine Korrosionsbildung (ferritische Infektionen) bei Edelstahlblechen
- Keine Beschleunigung der Korrosionsbildung bei normalen Blechen
- Keine Korrosionsbildung an den Abkantwerkzeugen
- Ihre Abkantwerkzeuge heben sich optisch hervor (professionelles Aussehen).



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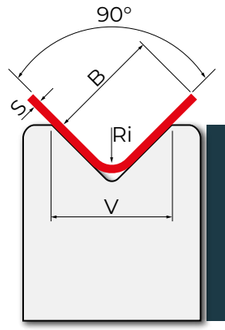
Presskrafttabelle

Die Presskrafttabelle basiert auf der Presskraftschieblehre und ist ein sehr nützliches Hilfsmittel für alle, die mit Blechprofilen zu tun haben. Vom Projekt des Profils, über die technische Konstruktion, den Werkzeugeinkauf, bis zur Fertigung des Profils an der Abkantpresse.
In der ersten Spalte links wird die Blechstärke (S) angegeben, in den drei Zeilen oben befindet sich die Gesenkweite (V), die minimale Schenkellänge (B) und der ideale Profil-Innenradius (Ri). Beim Kreuzen der Blechstärke mit der Gesenkweite ergibt sich die notwendige Presskraft pro Meter.
Weiterhin wird hier die Presskraft für eine Spanne von fünf verschiedenen Gesenkweiten angegeben.
Die Korrekturfaktoren befinden sich unterhalb der Tabelle.



S = Blechstärke
V = Gesenkweite
B = Schenkellänge
Ri = Profil-Innenradius

420 N/mm²																				
S (mm)	4	5	6	8	10	12	16	20	25	32	40	50	63	80	100	125	160	200	250	V
	3.0	3.5	4.0	5.5	6.5	8.0	10.5	13.0	16.5	21.0	26.0	32.5	41.0	52.0	65.0	81.5	104.0	130.0	163.0	B
	0.5	0.7	0.8	1.0	1.3	1.5	2.0	2.5	3.2	4.4	5.0	6.5	8.0	10.0	12.0	15.0	20.0	25.0	37.0	Ri
0.6	60	50	30	20																
0.8	120	90	70	50	40															
1.0		150	110	80	60	50														
1.2			180	120	90	70	50													
1.5				210	150	120	80	60												
2.0					300	230	160	120	90											
2.5						390	270	200	140	110										
3.0							430	310	230	160	120									
4.0								600	440	320	230	180								F kN/m
5.0									760	540	390	290	220							
6.0										850	620	450	330	250						
8.0											1210	880	700	460	350					
10.0												1510	1090	790	580	440				
12.0													1730	1240	910	660	500			
15.0														2130	1550	1130	810	620		
20.0															3020	2200	1580	1150	890	
25.0																3780	2690	1970	1440	

INOX – Edelstahl/Inox R 700 N/mm² F x 1.7
AL – Aluminium R 200 N/mm² F x 0.5
(R = Materialresistenz)

30°	B x 1.6	R=200 N/mm²	r x 0.8	Al
60°	B x 1.1			
90°	B x 1.0	R=420 N/mm²	r x 1.0	Fe
120°	B x 0.9			
150°	B x 0.7	R=700 N/mm²	r x 1.4	INOX

auf Anfrage
Artikel auf Lager
Lieferzeit bitte erfragen

U-Tabelle

AxB	10x10	10x15	10x20	10x25	10x30	15x10	15x15	15x20	15x25	15x30	15x35	15x40
04702						✓	✓	✓				
D.116.88.R08						✓						
LPW231.26.R2						✓						
LPW231.26.R2-A						✓						
LPW231.78.R2-A						✓						
LPW231.78.R2-B												
LPW231.78.R2-C						✓	✓					
LPW231.78.R3												
P.114.88.R06	✓	✓	✓	✓		✓	✓	✓	✓	✓		
P.115.60.R08						✓	✓	✓				
P.115.88.R06	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
P.116.35.R08												
P.116.88.R08	✓					✓	✓					
P.120.35.R08												
P.120.85.R1	✓					✓	✓					
P.120.88.R08						✓						
P.125.88.R025						✓						
P.130.45.R6												
P.130.88.R06	✓					✓	✓					
P.130.88.R08	✓					✓	✓					
P.135.60.R08						✓	✓					
P.135.75.R08						✓	✓					
P.135.85.R08						✓	✓	✓	✓			
P.135.88.R08						✓	✓					
P.145.60.R08						✓						
P.145.85.R08	✓	✓				✓	✓	✓	✓	✓	✓	
P.147.26.R08						✓						
P.150.88.R025 L						✓						
P.150.88.R06 L	✓					✓	✓					
P.150.88.R08						✓	✓	✓	✓	✓	✓	
P.160.70.R08						✓						
P.175.88.R08						✓	✓					
P.190.60.R08						✓	✓					
P.195.88.R08												
P.196.88.R06						✓	✓	✓	✓	✓	✓	
P.250.85.R1.5						✓						
P.95.35.R5												
P.95.45.R08												
P.95.88.R3						✓	✓					
P.97.45.R05												
P.97.60.R08						✓						
P.97.75.R08						✓	✓					

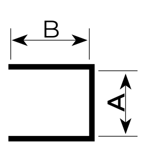
AxB	20x10	20x15	20x20	20x25	20x30	20x35	20x40	20x45	20x50	20x55	25x10	25x15	25x20	25x25	25x30	25x35	25x40	25x45	25x50	25x55	25x60	25x65	25x70	25x75
04702	✓	✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	✓					
D.116.88.R08	✓										✓	✓												
LPW231.26.R2	✓	✓									✓	✓	✓											
LPW231.26.R2-A	✓	✓									✓	✓	✓											
LPW231.78.R2-A	✓	✓	✓	✓							✓	✓	✓	✓	✓	✓	✓							
LPW231.78.R2-B	✓	✓	✓								✓	✓	✓	✓	✓	✓	✓							
LPW231.78.R2-C	✓	✓	✓								✓	✓	✓	✓										
LPW231.78.R3																								
P.114.88.R06	✓	✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓								
P.115.60.R08	✓	✓	✓	✓	✓						✓	✓	✓	✓	✓	✓	✓							
P.115.88.R06	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓					
P.116.35.R08	✓										✓	✓	✓											
P.116.88.R08	✓	✓	✓								✓	✓	✓	✓										
P.120.35.R08	✓										✓	✓	✓											
P.120.85.R1	✓	✓	✓								✓	✓	✓	✓										
P.120.88.R08	✓	✓	✓								✓	✓	✓	✓	✓									
P.125.88.R025	✓	✓									✓	✓	✓											
P.130.45.R6																								
P.130.88.R06	✓	✓	✓								✓	✓	✓	✓										
P.130.88.R08	✓	✓	✓								✓	✓	✓	✓										
P.135.60.R08	✓	✓	✓								✓	✓	✓	✓										
P.135.75.R08	✓	✓	✓								✓	✓	✓											
P.135.85.R08	✓	✓	✓	✓	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
P.135.88.R08	✓	✓	✓	✓	✓						✓	✓	✓	✓	✓	✓	✓	✓	✓					
P.145.60.R08	✓	✓	✓								✓	✓	✓											
P.145.85.R08	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
P.147.26.R08	✓	✓									✓	✓	✓											
P.150.88.R025 L	✓	✓									✓	✓	✓											
P.150.88.R06 L	✓	✓	✓								✓	✓	✓	✓										
P.150.88.R08	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
P.160.70.R08	✓	✓	✓	✓							✓	✓	✓	✓	✓	✓	✓							
P.175.88.R08	✓	✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
P.190.60.R08	✓	✓	✓								✓	✓	✓	✓	✓									
P.195.88.R08	✓	✓		✓																				
P.196.88.R06	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
P.250.85.R1.5	✓	✓	✓	✓							✓	✓	✓	✓	✓	✓	✓	✓						
P.95.35.R5											✓													
P.95.45.R08	✓	✓									✓	✓	✓											
P.95.88.R3	✓	✓	✓								✓	✓	✓											
P.97.45.R05	✓	✓									✓	✓	✓											
P.97.60.R08	✓	✓	✓								✓	✓	✓	✓										
P.97.75.R08	✓	✓	✓								✓	✓	✓											

AxB	30x10	30x15	30x20	30x25	30x30	30x35	30x40	30x45	30x50	30x55	30x60	30x65	30x70	30x75	30x80	30x85
04702	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
D.116.88.R08	✓	✓	✓	✓												
LPW231.26.R2	✓	✓	✓													
LPW231.26.R2-A	✓	✓	✓	✓												
LPW231.78.R2-A	✓	✓	✓	✓	✓	✓	✓	✓								
LPW231.78.R2-B	✓	✓	✓	✓	✓	✓	✓	✓	✓							
LPW231.78.R2-C	✓	✓	✓	✓	✓											
LPW231.78.R3	✓															
P.114.88.R06	✓	✓	✓	✓	✓	✓	✓									
P.115.60.R08	✓	✓	✓	✓	✓	✓	✓	✓								
P.115.88.R06	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
P.116.35.R08	✓	✓	✓	✓												
P.116.88.R08	✓	✓	✓	✓	✓											
P.120.35.R08	✓	✓	✓	✓												
P.120.85.R1	✓	✓	✓	✓	✓											
P.120.88.R08	✓	✓	✓	✓	✓	✓	✓									
P.125.88.R025																
P.130.45.R6	✓	✓														
P.130.88.R06	✓	✓	✓	✓	✓											
P.130.88.R08	✓	✓	✓	✓	✓											
P.135.60.R08	✓	✓	✓	✓	✓											
P.135.75.R08	✓	✓	✓													
P.135.85.R08	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
P.135.88.R08	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
P.145.60.R08	✓	✓	✓	✓												
P.145.85.R08	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
P.147.26.R08	✓	✓	✓	✓												
P.150.88.R025 L	✓	✓	✓	✓												
P.150.88.R06 L	✓	✓	✓	✓	✓											
P.150.88.R08	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
P.160.70.R08	✓	✓	✓	✓	✓	✓	✓	✓								
P.175.88.R08	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
P.190.60.R08	✓	✓	✓	✓	✓	✓	✓									
P.195.88.R08	✓	✓	✓	✓	✓	✓										
P.196.88.R06	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
P.250.85.R1.5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
P.95.35.R5	✓															
P.95.45.R08	✓	✓	✓													
P.95.88.R3	✓	✓	✓													
P.97.45.R05	✓	✓	✓	✓												
P.97.60.R08	✓	✓	✓	✓	✓											
P.97.75.R08	✓	✓	✓													

AxB	40x10	40x15	40x20	40x25	40x30	40x35	40x40	40x45	40x50	40x55	40x60	40x65	40x70	40x75	40x80	40x85	40x90	40x95
04702	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
D.116.88.R08	✓	✓	✓	✓	✓	✓	✓											
LPW231.26.R2	✓	✓	✓															
LPW231.26.R2-A	✓	✓	✓	✓	✓	✓												
LPW231.78.R2-A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓								
LPW231.78.R2-B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							
LPW231.78.R2-C	✓	✓	✓	✓	✓	✓	✓											
LPW231.78.R3	✓	✓	✓															
P.114.88.R06	✓	✓	✓	✓	✓	✓	✓	✓	✓									
P.115.60.R08	✓	✓	✓	✓	✓	✓	✓	✓										
P.115.88.R06	✓	✓	✓	✓	✓	✓	✓	✓	✓									
P.116.35.R08	✓	✓	✓	✓	✓	✓												
P.116.88.R08	✓	✓	✓	✓	✓	✓	✓											
P.120.35.R08	✓	✓	✓	✓	✓	✓												
P.120.85.R1	✓	✓	✓	✓	✓	✓	✓											
P.120.88.R08	✓	✓	✓	✓	✓	✓	✓	✓	✓									
P.125.88.R025	✓	✓	✓	✓	✓	✓												
P.130.45.R6	✓	✓	✓	✓														
P.130.88.R06	✓	✓	✓	✓	✓	✓	✓											
P.130.88.R08	✓	✓	✓	✓	✓	✓	✓											
P.135.60.R08	✓	✓	✓	✓	✓	✓	✓											
P.135.75.R08	✓	✓	✓	✓	✓													
P.135.85.R08	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							
P.135.88.R08	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							
P.145.60.R08	✓	✓	✓	✓	✓													
P.145.85.R08	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
P.147.26.R08	✓	✓	✓	✓	✓	✓												
P.150.88.R025 L	✓	✓	✓	✓	✓	✓												
P.150.88.R06 L	✓	✓	✓	✓	✓	✓	✓											
P.150.88.R08	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
P.160.70.R08	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓								
P.175.88.R08	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
P.190.60.R08	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							
P.195.88.R08	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							
P.196.88.R06	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
P.250.85.R1.5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
P.95.35.R5	✓	✓																
P.95.45.R08	✓	✓	✓	✓	✓													
P.95.88.R3	✓	✓	✓	✓	✓													
P.97.45.R05	✓	✓	✓	✓	✓													
P.97.60.R08	✓	✓	✓	✓	✓	✓												
P.97.75.R08	✓	✓	✓	✓	✓													

AxB	50x10	50x15	50x20	50x25	50x30	50x35	50x40	50x45	50x50	50x55	50x60	50x65	50x70	50x75	50x80	50x85	50x90	50x95	50x100	50x105
04702	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
D.116.88.R08	✓	✓	✓	✓	✓	✓	✓	✓												
LPW231.26.R2	✓	✓	✓	✓	✓															
LPW231.26.R2-A	✓	✓	✓	✓	✓	✓	✓	✓												
LPW231.78.R2-A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										
LPW231.78.R2-B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓							
LPW231.78.R2-C	✓	✓	✓	✓	✓	✓	✓	✓												
LPW231.78.R3	✓	✓	✓	✓	✓															
P.114.88.R06	✓	✓	✓	✓	✓	✓	✓	✓	✓											
P.115.60.R08	✓	✓	✓	✓	✓	✓	✓	✓												
P.115.88.R06	✓	✓	✓	✓	✓	✓	✓	✓												
P.116.35.R08	✓	✓	✓	✓	✓	✓	✓	✓												
P.116.88.R08	✓	✓	✓	✓	✓	✓	✓	✓												
P.120.35.R08	✓	✓	✓	✓	✓	✓	✓	✓												
P.120.85.R1	✓	✓	✓	✓	✓	✓	✓	✓												
P.120.88.R08	✓	✓	✓	✓	✓	✓	✓	✓	✓											
P.125.88.R025	✓	✓	✓	✓	✓	✓	✓													
P.130.45.R6	✓	✓	✓	✓	✓	✓														
P.130.88.R06	✓	✓	✓	✓	✓	✓	✓	✓	✓											
P.130.88.R08	✓	✓	✓	✓	✓	✓	✓	✓	✓											
P.135.60.R08	✓	✓	✓	✓	✓	✓	✓	✓	✓											
P.135.75.R08	✓	✓	✓	✓	✓	✓	✓													
P.135.85.R08	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓									
P.135.88.R08	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓									
P.145.60.R08	✓	✓	✓	✓	✓	✓	✓	✓												
P.145.85.R08	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
P.147.26.R08	✓	✓	✓	✓	✓	✓	✓	✓												
P.150.88.R025 L	✓	✓	✓	✓	✓	✓	✓	✓												
P.150.88.R06 L	✓	✓	✓	✓	✓	✓	✓	✓	✓											
P.150.88.R08	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
P.160.70.R08	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓								
P.175.88.R08	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
P.190.60.R08	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
P.195.88.R08	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
P.196.88.R06	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
P.250.85.R1.5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
P.95.35.R5	✓	✓	✓	✓																
P.95.45.R08	✓	✓	✓	✓	✓	✓	✓													
P.95.88.R3	✓	✓	✓	✓	✓	✓	✓													
P.97.45.R05	✓	✓	✓	✓	✓	✓	✓													
P.97.60.R08	✓	✓	✓	✓	✓	✓	✓													
P.97.75.R08	✓	✓	✓	✓	✓	✓	✓													

AxB	60x10	60x20	60x30	60x40	60x50	60x60	60x70	60x80	60x90	60x100	60x110	70x10	70x20	70x30	70x40	70x50	70x60
04702	✓	✓	✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓
D.116.88.R08	✓	✓	✓	✓	✓							✓	✓	✓	✓	✓	
LPW231.26.R2	✓	✓	✓	✓								✓	✓	✓	✓	✓	
LPW231.26.R2-A	✓	✓	✓	✓	✓							✓	✓	✓	✓	✓	✓
LPW231.78.R2-A	✓	✓	✓	✓	✓	✓						✓	✓	✓	✓	✓	✓
LPW231.78.R2-B	✓	✓	✓	✓	✓	✓	✓	✓				✓	✓	✓	✓	✓	✓
LPW231.78.R2-C	✓	✓	✓	✓								✓	✓	✓	✓	✓	
LPW231.78.R3	✓	✓	✓	✓								✓	✓	✓	✓	✓	
P.114.88.R06	✓	✓	✓	✓	✓							✓	✓	✓	✓		
P.115.60.R08	✓	✓	✓	✓	✓							✓	✓	✓	✓		
P.115.88.R06	✓	✓	✓	✓								✓	✓	✓	✓	✓	
P.116.35.R08	✓	✓	✓	✓	✓							✓	✓	✓	✓	✓	
P.116.88.R08	✓	✓	✓	✓	✓							✓	✓	✓	✓	✓	
P.120.35.R08	✓	✓	✓	✓	✓							✓	✓	✓	✓	✓	✓
P.120.85.R1	✓	✓	✓	✓	✓							✓	✓	✓	✓	✓	
P.120.88.R08	✓	✓	✓	✓	✓							✓	✓	✓	✓	✓	
P.125.88.R025	✓	✓	✓	✓	✓							✓	✓	✓	✓	✓	
P.130.45.R6	✓	✓	✓	✓								✓	✓	✓	✓	✓	
P.130.88.R06	✓	✓	✓	✓	✓	✓						✓	✓	✓	✓	✓	✓
P.130.88.R08	✓	✓	✓	✓	✓							✓	✓	✓	✓	✓	✓
P.135.60.R08	✓	✓	✓	✓	✓	✓						✓	✓	✓	✓	✓	✓
P.135.75.R08	✓	✓	✓	✓	✓							✓	✓	✓	✓	✓	✓
P.135.85.R08	✓	✓	✓	✓	✓	✓						✓	✓	✓	✓	✓	✓
P.135.88.R08	✓	✓	✓	✓	✓	✓						✓	✓	✓	✓	✓	✓
P.145.60.R08	✓	✓	✓	✓	✓							✓	✓	✓	✓	✓	
P.145.85.R08	✓	✓	✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓
P.147.26.R08	✓	✓	✓	✓	✓							✓	✓	✓	✓	✓	
P.150.88.R025 L	✓	✓	✓	✓	✓							✓	✓	✓	✓	✓	✓
P.150.88.R06 L	✓	✓	✓	✓	✓	✓						✓	✓	✓	✓	✓	✓
P.150.88.R08	✓	✓	✓	✓	✓	✓	✓	✓				✓	✓	✓	✓	✓	✓
P.160.70.R08	✓	✓	✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓
P.175.88.R08	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓
P.190.60.R08	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓
P.195.88.R08	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓
P.196.88.R06	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
P.250.85.R1.5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
P.95.35.R5	✓	✓	✓									✓	✓				
P.95.45.R08	✓	✓	✓									✓	✓				
P.95.88.R3	✓	✓	✓									✓	✓				
P.97.45.R05	✓	✓	✓									✓	✓				
P.97.60.R08	✓	✓	✓									✓	✓				
P.97.75.R08	✓	✓	✓									✓	✓				



auf Anfrage

✓ Artikel auf Lager

Lieferzeit bitte erfragen

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AxB	10x10	10x15	10x20	10x25	10x30	15x10	15x15	15x20	15x25	15x30	15x35	15x40	20x10	20x15	20x20	20x25	20x30	20x35	20x40	20x45	20x50	20x55	25x10	25x15	25x20	25x25	25x30	25x35	25x40	25x45	25x50	25x55	25x60	25x65	25x70	25x75	30x10	30x15	30x20	30x25	30x30	30x35	30x40	30x45	30x50	30x55	30x60	30x65	30x70	30x75	30x80
P.97.85.R08						✓	✓						✓	✓	✓								✓	✓	✓												✓	✓	✓												
P.97.88.R06	✓	✓				✓	✓	✓					✓	✓	✓								✓	✓	✓	✓											✓	✓	✓	✓											
P.97.88.R08						✓	✓						✓	✓	✓								✓	✓	✓												✓	✓	✓												
PG.135.60.R08						✓	✓						✓	✓	✓	✓							✓	✓	✓	✓	✓	✓									✓	✓	✓	✓	✓	✓									
PK.135.85.R08							✓						✓	✓	✓	✓	✓						✓	✓	✓	✓	✓	✓	✓	✓	✓						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
PR.135.88.R08						✓	✓	✓					✓	✓	✓	✓	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
PS.120.88.R08	✓					✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
PS.134.30.R08													✓										✓	✓													✓	✓	✓	✓											
PS.135.85.R08						✓	✓						✓	✓	✓								✓	✓	✓												✓	✓	✓												
PS.135.88.R08	✓					✓	✓	✓					✓	✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	✓						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
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PU.150.26.R08													✓										✓														✓	✓													
PU.85.35.R08																							✓														✓	✓													
TOP.175.26.R08													✓										✓	✓													✓	✓	✓	✓											
TOP.175.60.R08						✓	✓						✓	✓	✓								✓	✓	✓	✓											✓	✓	✓	✓	✓										
TOP.175.60.R5																																																			
TOP.175.75.R08						✓							✓	✓	✓	✓							✓	✓	✓	✓	✓	✓	✓								✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
TOP.175.85.R08						✓	✓						✓	✓	✓	✓	✓						✓	✓	✓	✓	✓	✓	✓	✓	✓						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
TOP.175.85.R08.S	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
TOP.205.26.R08													✓										✓	✓													✓	✓	✓	✓											
TOP.205.85.R08						✓	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
TOP.250.26.R08													✓										✓	✓													✓	✓	✓	✓											
TOP.SP.134.28.8													✓										✓	✓													✓	✓	✓												
TOP.SP.134.24.10													✓										✓	✓													✓	✓	✓												
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TPR.135.86.R1	✓					✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
TPR.157.28.R1													✓	✓									✓	✓	✓												✓	✓	✓	✓											
TPR.157.60.R1						✓	✓						✓	✓	✓	✓							✓	✓	✓	✓	✓	✓									✓	✓	✓	✓	✓	✓	✓	✓						
TPR.157.60.R4																																					✓														
TPR.157.86.R1						✓	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
TPR.157.86.R1-A						✓	✓						✓	✓	✓								✓	✓	✓	✓											✓	✓	✓	✓	✓										
TPR.176.28.R1						✓							✓	✓									✓	✓	✓	✓											✓	✓	✓	✓											
TPR.200.80.R1						✓	✓						✓	✓	✓								✓	✓	✓	✓	✓										✓	✓	✓	✓	✓										
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TPR.237.80.R1						✓	✓						✓	✓	✓								✓	✓	✓	✓											✓	✓	✓	✓	✓										
TPR.256.28.R1													✓	✓	✓								✓	✓	✓	✓											✓	✓	✓	✓	✓										
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TPR.256.86.R1						✓	✓						✓	✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	✓						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
TPR.256.86.R1.A	✓					✓	✓						✓	✓	✓								✓	✓	✓	✓											✓	✓	✓	✓	✓										
TPR.276.28.R1						✓							✓	✓									✓	✓	✓												✓	✓	✓	✓											

AxB	30x85	40x10	40x15	40x20	40x25	40x30	40x35	40x40	40x45	40x50	40x55	40x60	40x65	40x70	40x75	40x80	40x85	40x90	40x95	50x10	50x15	50x20	50x25	50x30	50x35	50x40	50x45	50x50	50x55	50x60	50x65	50x70	50x75	50x80	50x85	50x90	50x95	50x100	50x105	60x10	60x20	60x30	60x40	60x50	60x60	60x70	60x80	60x90	60x100	60x110	70x10	70x20	70x30	70x40	70x50	70x60
P.97.85.R08			✓	✓	✓	✓														✓	✓	✓	✓	✓	✓															✓	✓	✓								✓	✓				
P.97.88.R06			✓	✓	✓	✓														✓	✓	✓	✓	✓	✓															✓	✓	✓								✓	✓				
P.97.88.R08			✓	✓	✓	✓														✓	✓	✓	✓	✓	✓															✓	✓	✓								✓	✓				
PG.135.60.R08			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓								✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓										✓	✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓
PK.135.85.R08			✓	✓	✓	✓	✓	✓	✓	✓	✓									✓	✓	✓	✓	✓	✓	✓	✓	✓	✓											✓	✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓
PR.135.88.R08			✓	✓	✓	✓	✓	✓	✓	✓										✓	✓	✓	✓	✓	✓	✓	✓	✓												✓	✓	✓	✓	✓						✓	✓	✓	✓	✓	
PS.120.88.R08			✓	✓	✓	✓	✓	✓	✓	✓										✓	✓	✓	✓	✓	✓	✓	✓													✓	✓	✓	✓	✓						✓	✓	✓	✓	✓	
PS.134.30.R08			✓	✓	✓	✓	✓	✓												✓	✓	✓	✓	✓	✓	✓														✓	✓	✓	✓	✓						✓	✓	✓	✓	✓	✓
PS.135.85.R08			✓	✓	✓	✓	✓	✓												✓	✓	✓	✓	✓	✓															✓	✓	✓	✓	✓						✓	✓	✓	✓	✓	✓
PS.135.88.R08			✓	✓	✓	✓	✓	✓	✓	✓	✓									✓	✓	✓	✓	✓	✓	✓	✓	✓	✓											✓	✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓
PU.117.26.R08			✓	✓	✓	✓														✓	✓	✓	✓	✓																✓	✓	✓	✓							✓	✓	✓	✓	✓	
PU.150.26.R08			✓	✓	✓	✓														✓	✓	✓	✓	✓																✓	✓	✓	✓							✓	✓	✓	✓	✓	
PU.85.35.R08			✓	✓	✓	✓														✓	✓	✓	✓	✓																✓	✓	✓	✓							✓	✓	✓	✓		
TOP.175.26.R08			✓	✓	✓	✓	✓	✓												✓	✓	✓	✓	✓	✓	✓														✓	✓	✓	✓	✓						✓	✓	✓	✓	✓	✓
TOP.175.60.R08			✓	✓	✓	✓	✓	✓												✓	✓	✓	✓	✓	✓	✓	✓													✓	✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓
TOP.175.60.R5			✓	✓																✓	✓	✓	✓																	✓	✓	✓								✓	✓	✓	✓		
TOP.175.75.R08			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓
TOP.175.85.R08			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓
TOP.175.85.R08.S			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓
TOP.205.26.R08			✓	✓	✓	✓	✓	✓												✓	✓	✓	✓	✓	✓	✓														✓	✓	✓	✓	✓						✓	✓	✓	✓	✓	✓
TOP.205.85.R08	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
TOP.250.26.R08			✓	✓	✓	✓	✓	✓												✓	✓	✓	✓	✓	✓	✓														✓	✓	✓	✓	✓						✓	✓	✓	✓	✓	✓
TOP.SP.134.28.8			✓	✓	✓	✓	✓													✓	✓	✓	✓	✓																✓	✓	✓	✓							✓	✓	✓	✓	✓	
TOP.SP.134.24.10			✓	✓	✓	✓	✓													✓	✓	✓	✓	✓																✓	✓	✓	✓							✓	✓	✓	✓	✓	
TOP.SP.134.24.12			✓	✓	✓	✓	✓													✓	✓	✓	✓	✓																✓	✓	✓	✓							✓	✓	✓	✓	✓	
TPR.135.86.R1			✓	✓	✓	✓	✓	✓	✓	✓										✓	✓	✓	✓	✓	✓	✓	✓													✓	✓	✓	✓							✓	✓	✓	✓		
TPR.157.28.R1			✓	✓	✓	✓	✓													✓	✓	✓	✓	✓	✓	✓														✓	✓	✓	✓	✓						✓	✓	✓	✓	✓	✓
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TPR.157.86.R1-A			✓	✓	✓	✓	✓	✓												✓	✓	✓	✓	✓	✓	✓	✓													✓	✓	✓	✓	✓						✓	✓	✓	✓	✓	
TPR.176.28.R1			✓	✓	✓	✓	✓													✓	✓	✓	✓	✓	✓	✓													✓	✓	✓	✓							✓	✓	✓	✓	✓	
TPR.200.80.R1			✓	✓	✓	✓	✓	✓												✓	✓	✓	✓	✓	✓	✓	✓													✓	✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓
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TPR.237.80.R1			✓	✓	✓	✓	✓	✓												✓	✓	✓	✓	✓	✓	✓	✓													✓	✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓
TPR.256.28.R1			✓	✓	✓	✓	✓	✓												✓	✓	✓	✓	✓	✓	✓	✓													✓	✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓
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TPR.256.86.R1			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
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TPR.276.28.R1			✓	✓	✓	✓	✓													✓	✓	✓	✓	✓	✓	✓													✓	✓	✓	✓							✓	✓	✓	✓	✓	

auf Anfrage

Artikel auf Lager

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ÜBER UNS

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- Seit 1987 produzieren wir Standard- und Sonderabkantwerkzeuge. Das familiengeführte Unternehmen (Francesco und Marco Rolleri) gehört mittlerweile zu den größten Abkantwerkzeugproduzenten Europas. Mit eigenen Niederlassungen und unseren Partnern beliefern wir Gesamteuropa und bieten einen schnellen sowie zuverlässigen Service.
- Die Neuorganisation unsere Unternehmensbereiche im Jahr 2012 und das erheblich erweiterte Portfolio haben zu einer erhöhten Marktpräsenz in allen Markt- und Produktbereichen geführt.
- Aus diesem Grund wurde unsere Produktion in Form von einer zusätzlichen Hallen und vielen neuen Maschinen im Jahr 2016, 2017 und 2018 erheblich vergrößert.

ROLLERI IN DER WELT
Heute

Rolleri S.p.A. – Hauptsitz it
Rolleri Baltic ba
Rolleri Benelux bx
Rolleri Do Brasil br
Rolleri Trad. Co. China cn
Rolleri Česká Republika cz
Rolleri Iberica es
Rolleri Finland fi

Rolleri France fr
Rolleri Deutschland GmbH de
Rolleri Polska pl
Rolleri Slovensko sk
Rolleri Ukraine LLC ua
Rolleri USA us
Rolleri UK gb

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UNSERE PRODUKTION
Das Lager, die Konstruktion und die Qualität

▸ Die Konstruktion

Unsere eigene Entwicklungsabteilung konstruiert neben vielen Sonderwerkzeugen auch spezielle Klemmungen, die Ihre Arbeitseffizienz steigern. Techniker und Ingenieure entwickeln für Sie Lösungen, die praxisnah und günstig sind.

Wir arbeiten mit aufwendigen 3D-Volumenmodellen und sind in der Lage, für Sie Abkantsimulationen zu erstellen.

▸ Die Qualität

Rolleri ist nach ISO 9001:2015 zertifiziert.

Unsere Qualitätskontrolle prüft jedes einzelne Werkzeug am Ende des Produktionsprozesses. Nach sorgfältiger Prüfung wird jedes Werkzeug mit einer Seriennummer versehen, die die Produktionschargennummer enthält. Somit ist eine perfekte Rückverfolgung jedes Werkzeugs garantiert.

UNSERE PRODUKTION
Die Rohstoffe und deren Produktion

▸ Die Rohstoffe

Das Rohmaterial wird von qualifizierten Lieferanten bezogen, die die chemische Zusammensetzung nach internationalen Richtlinien erfüllen und somit eine hohe Belastbarkeit und Zugfestigkeit garantieren.

▸ Die Werkzeuge

Rolleri stellt alle Abkantwerkzeuge in eigener Produktion her! Dabei wird großen Wert auf höchsten Präzisionsschliff, garantierte Wiederholgenauigkeit und genaue Parallelität gelegt. Um die besten Kantergebnisse bei Ober- und Unterwerkzeugen zu erhalten, sind alle unsere Werkzeuge induktiv auf 54-60 HRc gehärtet. Jedes Werkzeug wird einer Qualitätsprüfung unterzogen und danach mit einer Seriennummer versehen. Somit ist die Nachverfolgbarkeit jedes einzelnen Werkzeugs gewährleistet.

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UNSERE PRODUKTION
Unser Maschinenpark

▸ Das Lager

Mit über 20.000 Werkzeugen, die wir lagermäßig vorhalten, haben wir eines der größten Lager für Abkantwerkzeuge in Europa. Für Sie bedeutet das schnelle Lieferfähigkeit und schnelle Reaktion.

▸ CNC-Fräsen

Mit unseren modernen Fräszentren können wir Ihre Modifikations-Anforderungen schnell, präzise und hochwertig durchführen. Schwenkfräsköpfe mit hohem Schwenkbereich ermöglichen flexible Universalbearbeitung. Hier entstehen Nuten, Aussparungen und weitere Umarbeitungen.

▸ CNC-Profilschleifen

Höchsten Präzisionsschliff (Toleranz von +/-0,01 mm), genaue Parallelität und Wiederholgenauigkeit garantieren unsere CNC-Profilschleifmaschinen.

Hier können auch gehärtete Werkstücke und Oberflächen bearbeitet werden. Radien- und Winkeländerungen schleifen wir präzise nach Ihren Vorgaben.

UNSERE PRODUKTION
Unser Maschinenpark

▸ Härten

Die Arbeitsflächen der Werkzeuge sind der größten mechanischen Belastung ausgesetzt, da der gesamte, von der Abkantpresse auf das Blech ausgeübte Druck auf eine kleine Fläche konzentriert ist. Daher ist auf diesen Flächen die Belastung sehr hoch. Beim Kontakt mit dem zu biegenden Blech entsteht Reibung.

Für mehr Widerstandsfähigkeit kann die Härte der Oberfläche erhöht werden. Die Tiefe der Härtung muss mindestens 3 mm betragen, um Verformungen zu verhindern. Wir verwenden die Technik der elektromagnetischen, induktiven Härtung, um das beste Preis-Leistung-Verhältnis zu erreichen.

▸ Drahterodieren

Beim Drahterodieren können gehärtete und hochfeste Materialien bearbeitet werden. Das Verfahren wird auf Basis einer CAD-Kontur gesteuert, die mit hoher Maßhaltigkeit auch komplizierte Formen ermöglicht.

▸ 3D-Drucker

Die Einführung neuer “Additiv” -Maschinen mit der Möglichkeit, aus einem 3D-Design, beliebige Objekte aus Materialien mit stahlähnlichen technischen Merkmalen herzustellen. Dank dieser Technologie ist es möglich, die Zeit für die Realisierung sehr komplexer Werkzeuge zu reduzieren und sehr schnelle Lieferzeiten anzubieten

www.kk-industries.eu
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KK-Industries GmbH

Maschinenhandel und Service

Neue- und gebrauchte Blechbearbeitungs- und Werkzeugmaschinen, Kräne, Stapler und Industriereinigungsmittel

2018

PRODUKTÜBERSICHT

FILIALE IN BÖHEIMKIRCHEN

Wir beraten Sie gerne!

Klaus Kletzer
Geschäftsführer

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www.kk-industries.eu
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MASCHINEN VON KK-Industries GmbH– Hohe Qualität und Werthaltigkeit

Mit unserem **breitgefächerten Maschinenprogramm** von namhaften, intern. Herstellern können wir ihnen die **richtige Lösung** für ihren Anwendungsfall bieten. So können wir Ihnen unter anderem wie folgt anbieten:

Abkantpressen, Abkantwerkzeuge, Ausklinkmaschinen, Bandsägen, Blecheinrollmaschinen, Bohrmaschinen, Bördelmaschinen, CNC Stanz- und Nibbelmaschinen, CNC-Plasmaschneidanlagen, CNC-Fiber-Laser-Schneidanlagen, Drehmaschinen, Entgratungsmaschinen, Ersatzteile, Exzenterpressen, Falzformer, Fräsmaschinen, Haspeln, Hydr. Einständer- und Doppelständerpressen, Hydraulikpressen, Industriereinigungsmittel, Kräne, Kreissägen, Langabkantmaschinen, Längs- und Querschneidanlagen, Lochstanzmaschinen, Montagetische, Profilstahlscheren, Profileinrollmaschinen, Profilbiegemaschinen, Poliermaschinen, Richtmaschinen, Rohrbiegemaschinen, Schleifmaschinen, Schwenkbiegemaschinen, Service, Sickenmaschinen, Stapler, Stanzmaschinen, Schweißtische, Stanzwerkzeuge, Tafelscheren, Werkstückentfettungs- und waschmaschinen, Werkstattpressen, Winkelbieger

NEUIGKEITEN – Innovationen auf dem Vormarsch!

Im Jahr 2018 hat die Firma KK-Industries GmbH einen **neuen Standort** dazugewonnen. **Böheimkirchen** liegt nahe der Landeshauptstadt von Niederösterreich, an der Westautobahn und ist somit sehr zentral und gut zu erreichen. Wir verfügen über eine **große Maschinenhalle**, die es uns erlaubt, Maschinen **live** vorzuführen.

Des Weiteren haben wir unser **Produktsortiment erweitert**. Ab sofort sind bei uns ebenso **Kräne** aller Art, sowie **Elektrostapler** und **Reinigungsmittel** für Industrie und Gastronomie erhältlich.

AKTIV Powerclean

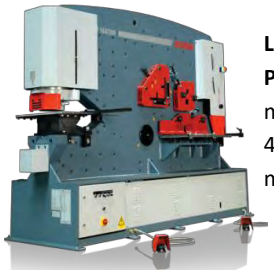
GEPRÜFTER HÄNDLER – GÜLTIG BIS 12/18 – AUSGESTELLT VON Maschinensucher

KOMPETENZ AUS EINER HAND

Abkantpressen individuell planbar
(bis zu 18 m Abkantlänge und 3000 to
Druckleitung erhältlich)

Tafelscheren
Mechanisch,
Motorisch, Hydraulisch
und CNC-gesteuert

CNC Plasma- und Brennschneidanlagen
für eine breite Palette von
Baustahl, Edelstahl und Aluminium



Lochstanzen und
Profilstahlscheren
mit einem und zwei Zylinder,
45 bis 300 to Stanzkraft,
mit und ohne NC-Anschlag

Faser-Laser-Schneidanlagen
Strahlenübertragung über flexiblen
Lichtwellenleiter

Bandsägemaschinen
Konventionell, Halb-
und Vollautomatisch

Winkelbieger
22 und 40 to Druckleistung

Ausklinkmaschine
mit variablem Winkel

Profilbiegemaschinen
mit motorischem oder
hydraulischem Antrieb

Rohrbiegemaschinen
in vielen
V arianten

3- und 4-Walzen-Blecheinrollmaschinen
Manuell, Motorisch
und Hydraulisch

Einständer-,
Doppelständer-,
Werkstatt- und
Richtpressen
sowie **Sonderpressen**
bis 3000 to

KK-Industries GmbH
Maschinenhandel und Service

Preise und techn. Daten siehe www.kk-industries.eu.

AUSZUG AUS UNSEREM PRODUKTSORTIMENT

Hochleistungsgetriebebohr- und Gewindeschneidmaschinen

Bördel- und Sickenmaschinen

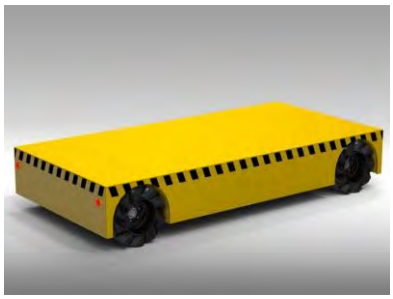
Schweiß- und Montagetische
in verschiedenen Ausführungen
(ST 52, VA-Stahl und gehärtet)

Stanz- und Nibbelmaschinen

Schwenkbiegemaschinen

Kreissägeautomaten

Exzenterpressen



Transportplattformen

Elektrostapler

Schweißdrehvorrichtungen

Werkzeugwasch- und entfettungsmaschinen und Reinigungsmittel für div. Anwendungen

Mecanum-Räder
(omnidirektionale Fahrmanöver)

Arbeitstische höhenverstellbar

Ankauf und Verkauf von Neu- und Gebrauchtmaschinen
Maschinenservice, Inbetriebnahmen und Einschulung,
Wartungen, Reparaturen, Ersatzteile, Werkzeug,
Reinigungsmittel u.v.m.

Vertrauen Sie auf unsere Erfahrung und setzen Sie
auf **www.kk-industries.eu**

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Maschinenhandel und Service

Preise und techn. Daten siehe www.kk-industries.eu.

KK-Industries GmbH

Maschinenhandel und Service

KK-Industries GmbH hat **in die Zukunft investiert**. Wir freuen uns, Sie in Kürze in unserer Ausstellungshalle in der Neustiftgasse 34 in 3071 Böheimkirchen begrüßen zu dürfen. Die große Eröffnungsfeier erfolgt im **Herbst 2018.** Wir bieten an diesem Standort moderne **Büros, Seminar- und Schulungsräume** sowie **Ausstellungsflächen**. Dadurch sind wir in der Lage, ein qualitativ hochwertiges **Service**, **Ersatzteilabwicklung** und **Beratungsgespräche** auch westlich von Wien anbieten zu können.

KK-Industries GmbH

Maschinenhandel und Service

Neustiftgasse 34

A-3071 Böheimkirchen

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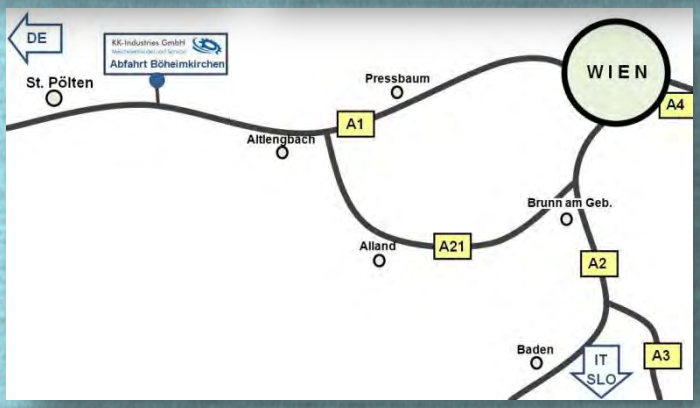

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