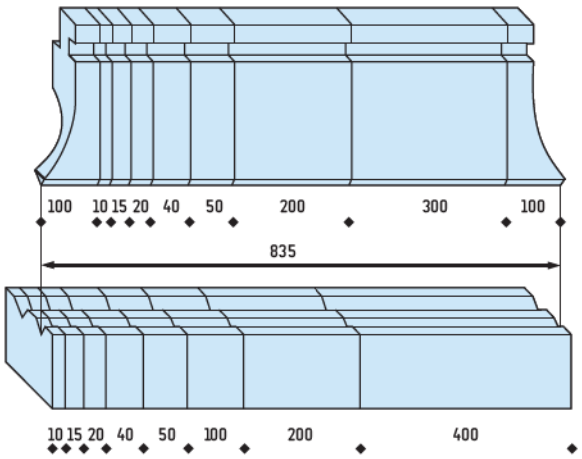
GENERAL INFORMATION | INFORMACJE OGÓLNE

standard tools TYPE "A" | narzędzia standardowe TYPU „A"

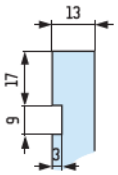
Material
C45, C50, 41Cr4 or 42CrMo4
Working edge hardened
55 ±2 HRC
Standard lengths
835 and 415 mm
Segment length
as shown on drawing

Materiał
C45, C50, 40H lub 40HM
Część robocza hartowana
55 ±2 HRC
Długość standardowa
835 i 415 mm
Narzędzia segmentowe
jak na rysunku

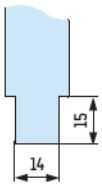
Sectionalized tool TYPE "A".
Schemat narzędzia segmentowego TYPU „A".

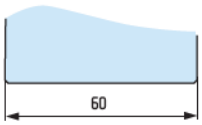


Punch mounting edge.
Uchwyt stempla.



Die mounting edge.
Uchwyt matrycy.



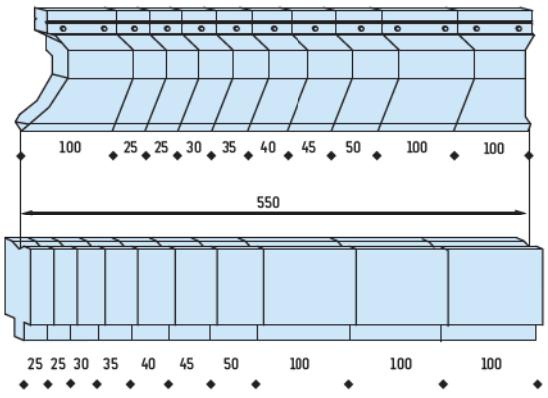


standard tools TYPE "T" | narzędzia standardowe TYPU „T"

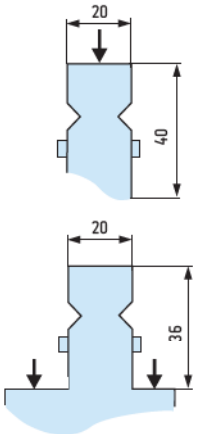
Material
C45, 42CrMo4 or 1.2312
Thermal enhancement to*
30 ±2 HRC (950 – 1100 MPa)
Working edge hardened
55 ±2 HRC (1500 – 1600 MPa)
Length
TYPE "T" 835, 500, 550 mm segmented
** applies to 1.2312*

Materiał
C45, 40HM lub 1.2312
Ulepszenie cieplne*
30 ±2 HRC (950 – 1100 MPa)
Część robocza hartowana
55 ±2 HRC (1500 – 1600 MPa)
Długość
TYP "T" 835, 500, 550 mm segmentowa
** dotyczy 1.2312*

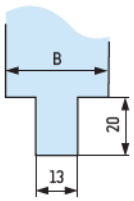
Sectionalized tool TYPE "T".
Schemat narzędzia segmentowego TYPU „T".



Punch mounting edge.
Uchwyt stempla.



Die mounting edge.
Uchwyt matryc.



GENERAL INFORMATION | INFORMACJE OGÓLNE

standard tools TYPE "W" | narzędzia standardowe TYPU „W"

Material

C45, 42CrMo4 or 1.2312

Thermal enhancement to*

30 ±2 HRC (950 – 1100 MPa)

Working edge hardened

55 ±2 HRC (1500 – 1600 MPa)

Length

TYPE "W" 515, 550 mm segmented

** applies to 1.2312*

Materiał

C45, 40HM lub 1.2312

Ulepszenie cieplne*

30 ±2 HRC (950 – 1100 MPa)

Część robocza hartowana

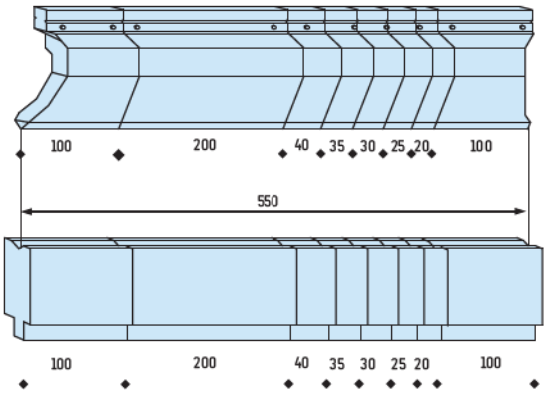
55 ±2 HRC (1500 – 1600 MPa)

Długość

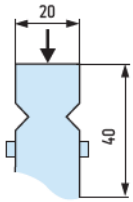
TYP "W" 515, 550 mm segmentowa

** dotyczy 1.2312*

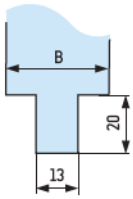
Sectionalized tool TYPE "W".
Schemat narzędzia segmentowego TYPU „W".



Punch mounting edge.
Uchwyt stempla.



Die mounting edge.
Uchwyt matryc.



standard tools TYPE "L" | narzędzia standardowe TYPU „L"

Material

C45, 42CrMo4 or 1.2312

Thermal enhancement to*

30 ±2 HRC (950 – 1100 MPa)

Working edge hardened

55 ±2 HRC (1500 – 1600 MPa)

Length

508 and 550 mm segmented

** applies to 1.2312*

Materiał

C45, 40HM lub 1.2312

Ulepszenie cieplne*

30 ±2 HRC (950 – 1100 MPa)

Część robocza hartowana

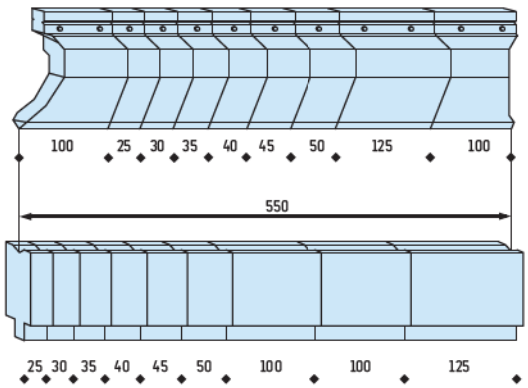
55 ±2 HRC (1500 – 1600 MPa)

Długość

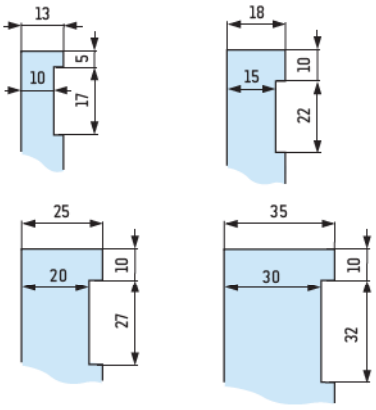
508 i 550 mm segmentowa

** dotyczy 1.2312*

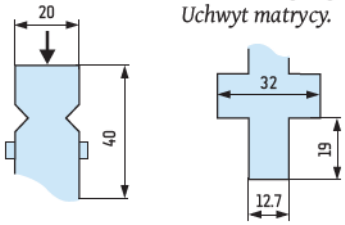
Sectionalized tool TYPE "L".
Schemat narzędzia segmentowego TYPU „L".



Punches type "L" have five different clampings.
Stemple typu „L" występują z pięcioma typami mocowań.



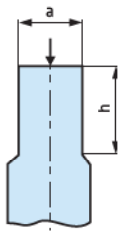
Die mounting edge.
Uchwyt matrycy.



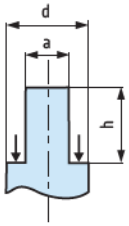
GENERAL INFORMATION | INFORMACJE OGÓLNE

punch mounting edge | rodzaje uchwytów stempli

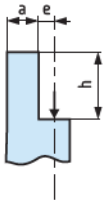
A



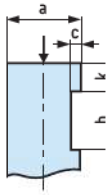
B



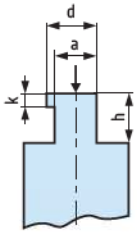
C



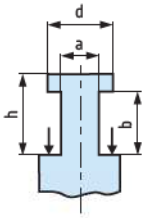
D



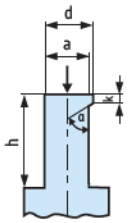
E



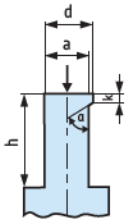
F



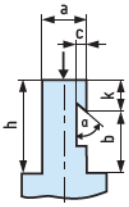
G



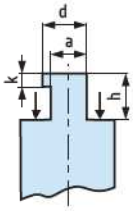
H



J



K



We offer punches with mounting edges as shown. The client can order a type from the drawing specifying his dimensions. The client may order a mounting edge to his own design.

W ofercie znajdują się stemple z uchwytem standardowym oraz z innymi typami uchwytów. Klient ma możliwość zamówienia narzędzi z uchwytem z przedstawionego zestawu po określeniu symbolu literowego (np: „E") oraz zaznaczonych wymiarów. Można również zamówić narzędzie z uchwytem własnego projektu.

tool ordering code | sposób zamawiania

Punches i.e 2010/88/R0.8/835
2010/88/R0.8/835 – *Catalogue number*
2010/**88**/R0.8/835 – *Angle α = 30°, 35°, 60°, 75°, 80°, 88°, 90°*
2010/88/**R0.8**/835 – *Working edge type – thus "F" or "R"and size*
2010/88/R0.8/**835** – *Length of tool – thus 835 mm, 415 mm, 835 mm sectionalized*

Dies i.e 6112/35/835
6112/35/835 – *Catalogue number*
6112/**35**/835 – *Angle α = 30°, 35°, 60°, 85°, 88°, 90°*
6112/35/**835** – *Length of tool – thus 835 mm, 415 mm, 835 mm sectionalized*

Stemple np. 2010/88/R0.8/835
2010/88/R0.8/835 – *Numer katalogowy stempla*
2010/**88**/R0.8/835 – *Kąt α = 30°, 35°, 60°, 75°, 80°, 88°, 90°*
2010/88/**R0.8**/835 – *Część robocza stempla („F" lub „R" oraz wielkość)*
2010/88/R0.8/**835** – *Długość elementu 835 mm, 415 mm, 835 mm segmentowy*

Matryce np. 6112/35/835
6112/35/835 – *Numer katalogowy matrycy*
6112/**35**/835 – *Kąt α = 30°, 35°, 60°, 85°, 88°, 90°*
6112/35/**835** – *Rodzaj elementu 835 mm, 415 mm, 835 mm segmentowy*

special tools | narzędzia specjalne

Materiał
C45, 40HM lub 1.2312
Ulepszenie cieplne*
30 ± 2HRC (950 – 1100 MPa)
Część robocza hartowana
55 ± 2HRC (1500 – 1600 MPa)
Długość
do 4100 mm
** dotyczy 1.2312*

Material
C45, 42CrMo4 or 1.2312
Thermal enhancement to*
30 ± 2HRC (950 – 1100 MPa)
Working edge hardened
55 ± 2HRC (1500 – 1600 MPa)
Length
up to 4100 mm
** applies to 1.2312*

additional information | oznaczenia symboli

24h *in stock / dostępne z magazynu*

fast delivery possible / możliwość szybkiej dostawy

42CrMo4 *42CrMo4 steel as standard / narzędzie wykonane ze stali 42CrMo4*

Narzędzia wykonywane w szczególności z wymienionych gatunków stali lub z innej stali o podobnej wytrzymałości.

Prezentowany katalog nie stanowi oferty handlowej w rozumieniu Kodeksu Cywilnego, a ma jedynie charakter informacyjny.

TYPE "A" PUNCHES | **STEMPLE TYPU „A"**

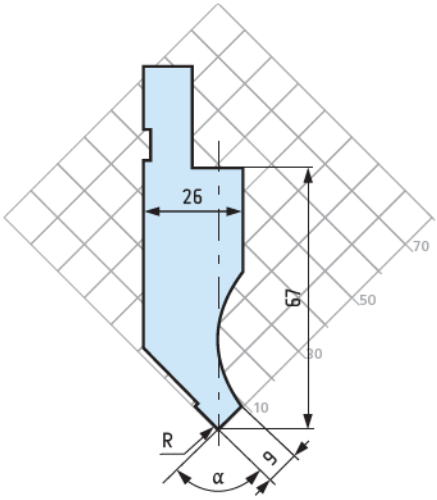
S 2010 100 t/m

α = 75°, R = 0.8 mm

α = 85°, R = 0.8 mm

α = 88°, R = 0.2 mm, 0.8 mm, 1.5 mm, 3 mm

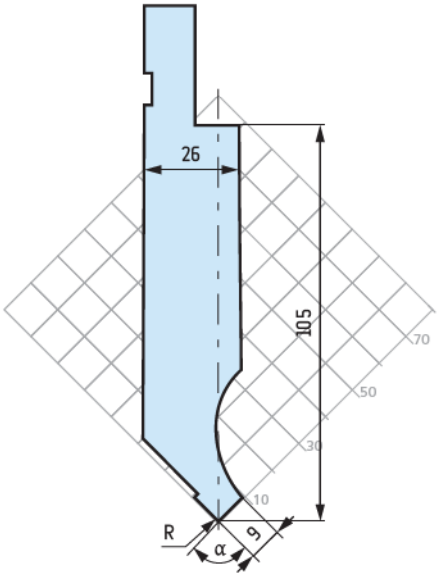
α = 90°, R = 0.2 mm, 0.8 mm



S 2010/105 100 t/m

α = 75°, 85°, 88°

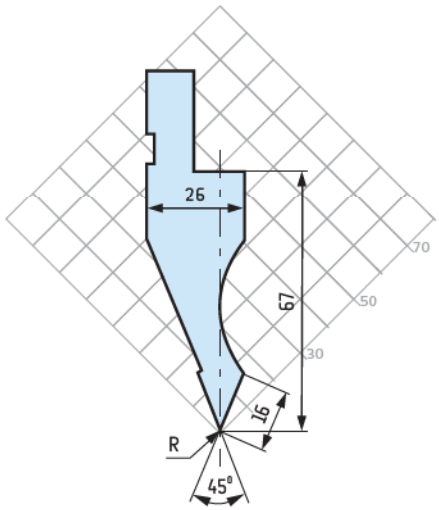
R = 0.8 mm



S 2011 80 t/m

α = 45°

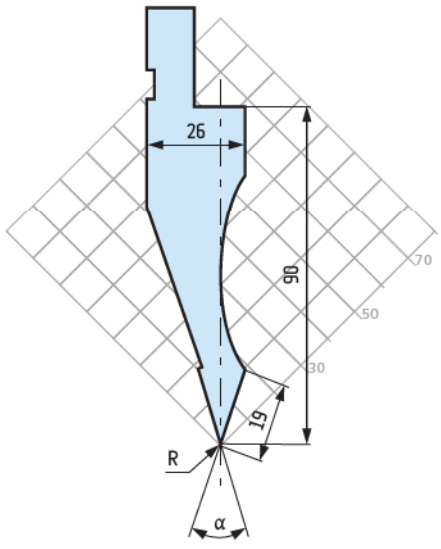
R = 0.4 mm, 0.8 mm, 1.5 mm



S 2012 70 t/m

α = 30°, 35°

R = 1 mm

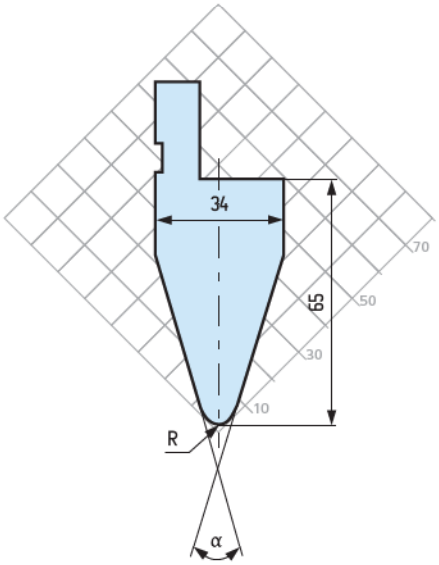


S 2013 100 t/m

α = 35°, R = 5 mm

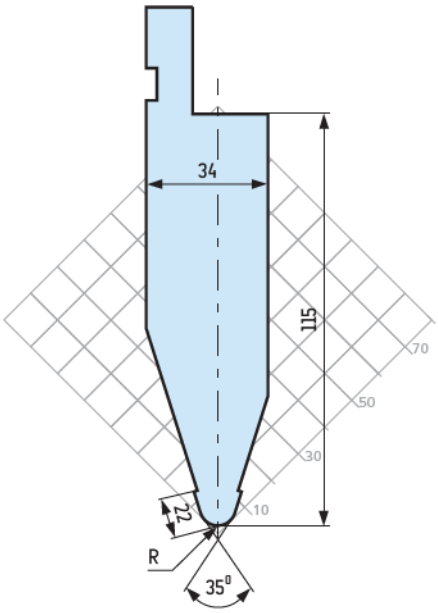
α = 60°, R = 6 mm

α = 80°, R = 6 mm



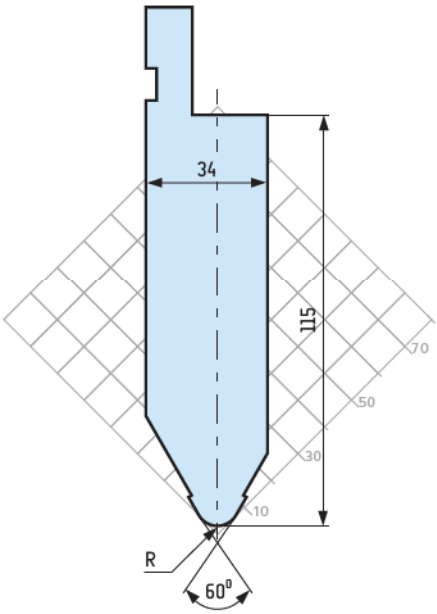
S 2013/115 100 t/m

α = 35°, R = 5 mm



S 2013/115 100 t/m

α = 60°, R = 6 mm



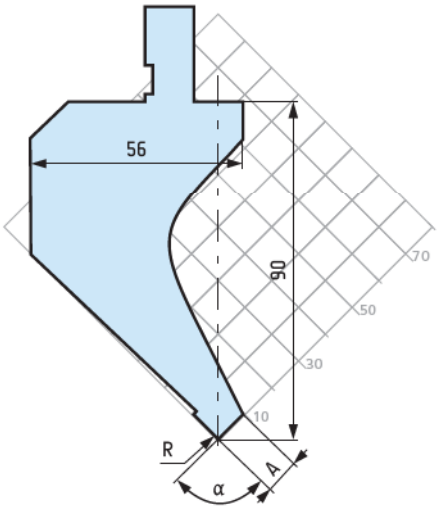
S 2014 60 t/m*

*α = 75°, A = 9 mm, R = 0.8 mm, *30 t/m*

*α = 88°, A = 6 mm, R = 0.2 mm, 0.8 mm *50 t/m*

α = 88°, A = 9 mm, R = 0.2 mm, 0.8 mm

α = 90°, A = 9 mm, R = 0.8 mm



TYPE "A" PUNCHES | STEMPLE TYPU „A"

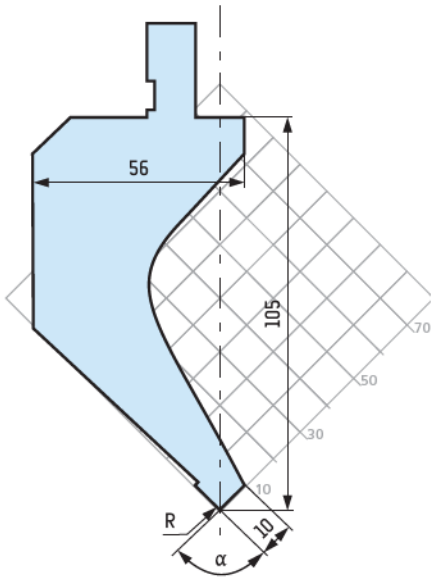
24h

S 2015 50 t/m

α = 85°, R = 0.8 mm

α = 88°, R = 0.2 mm, 0.8 mm,

α = 90°, R = 0.8 mm

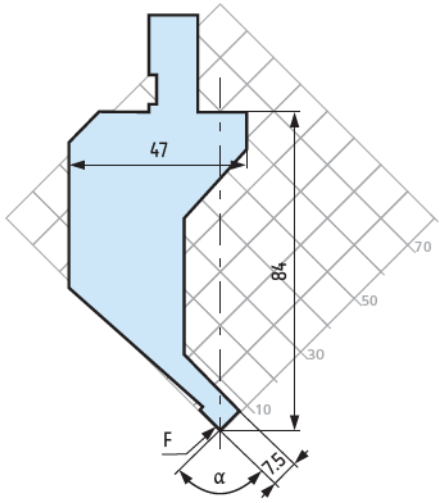


24h 42CrMo4

S 2016 15 t/m

α = 88°, 90°

F = 0.6 mm

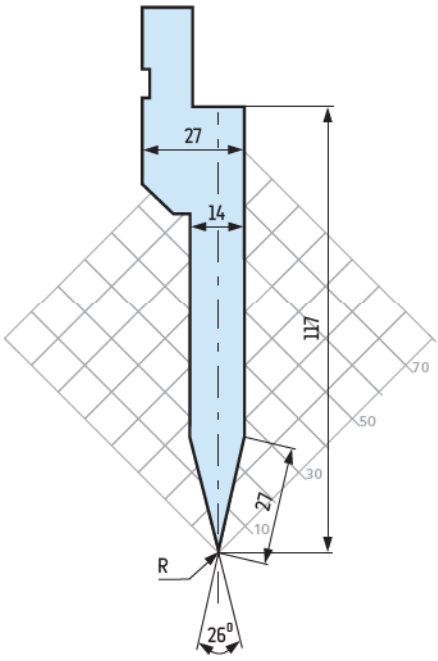


24h

S 2017/26 100 t/m

α = 26°

R = 0.8 mm

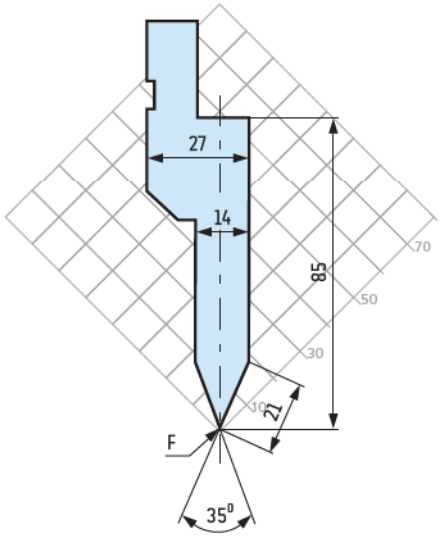


24h

S 2017/35 100 t/m

α = 35°

F = 0.8 mm



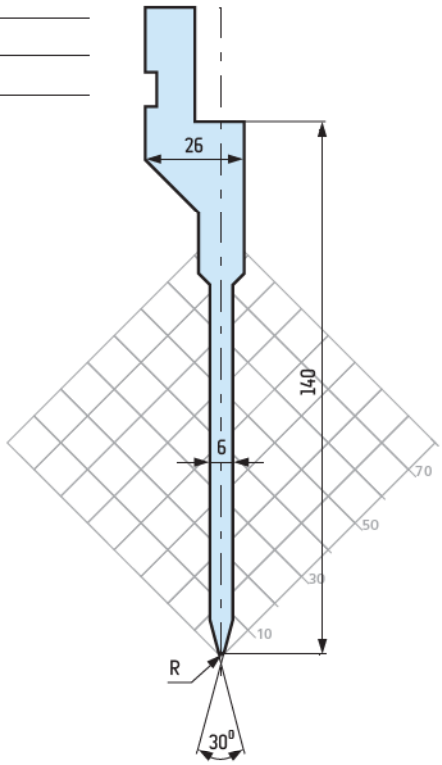
TYPE "A" PUNCHES | **STEMPLE TYPU „A"**

24h 42CrMo4

S 2017/30 40 t/m

α = 30°

R = 0.8 mm

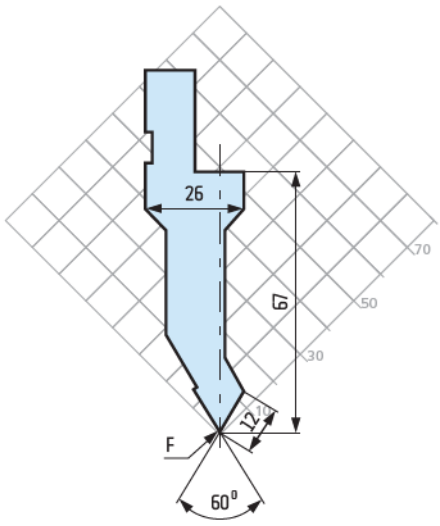


24h

S 2018 60 t/m

α = 60°

F = 0.8 mm

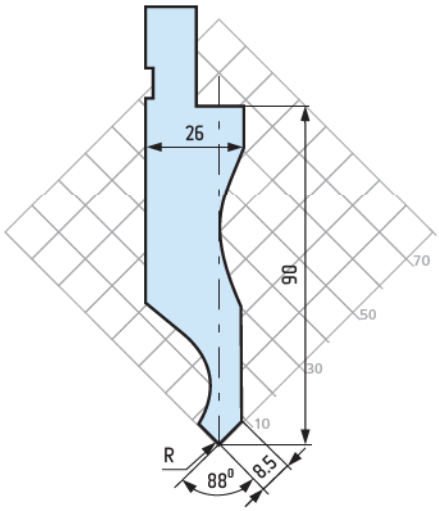


24h

S 2019 70 t/m

α = 88°

R = 0.8 mm



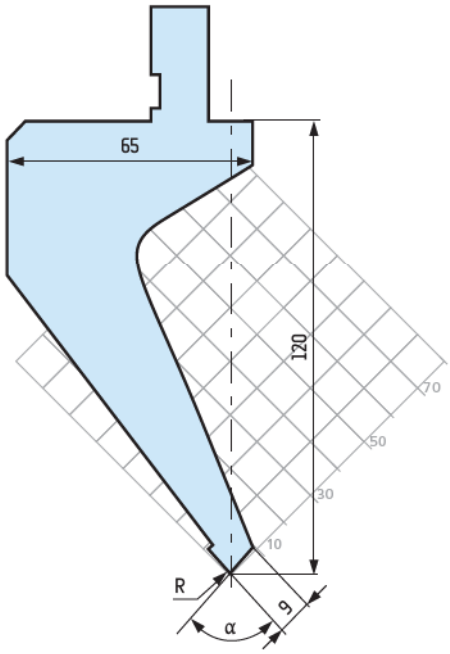
24h

S 2020 50 t/m

α = 75°, R = 0.8 mm

α = 85°, R = 0.8 mm

α = 88°, R = 0.2 mm, R = 0.8 mm

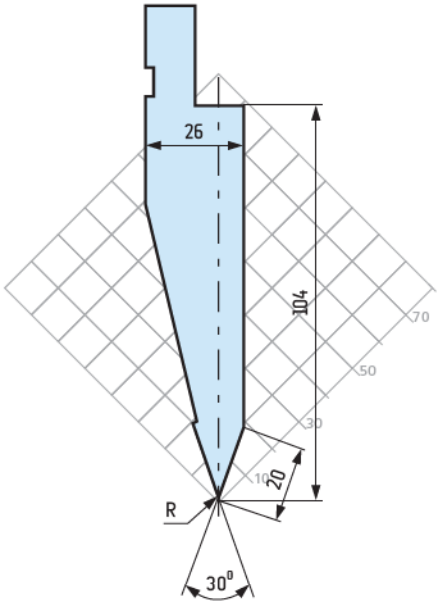


24h

S 2021 100 t/m

α = 30°

R = 0.8 mm

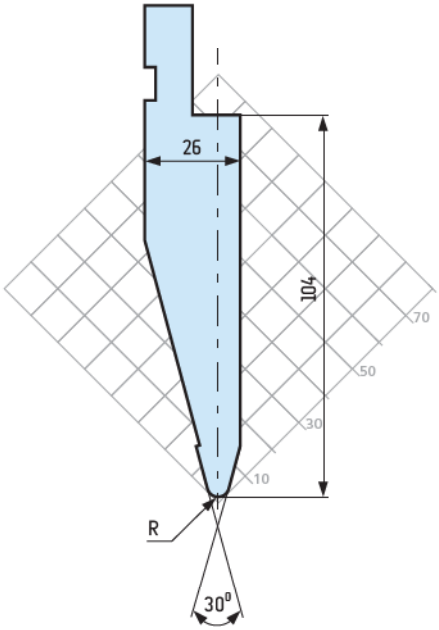


24h

S 2021/R3 100 t/m

α = 30°

R = 3 mm



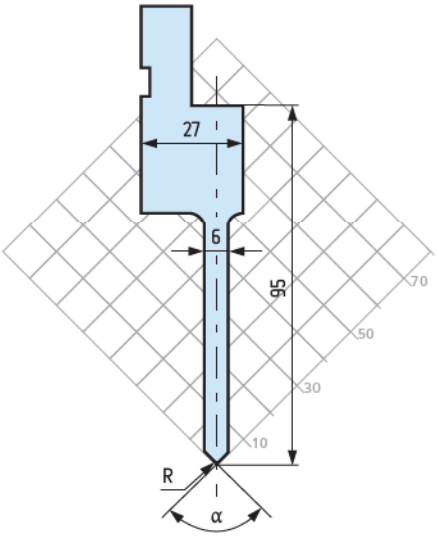
24h

S 2022 50 t/m

α = 75°, R = 0.8 mm

α = 88°, R = 0.2 mm

α = 90°, R = 0.2 mm

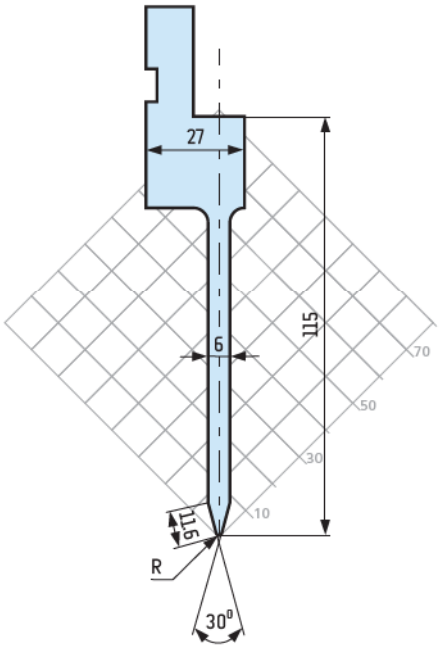


24h

S 2022/115 45 t/m

α = 30°

R = 0.8 mm

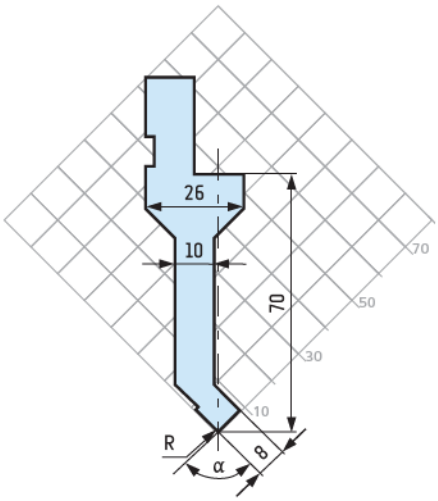


S 2023 30 t/m

α = 88°, 85°, 90°*

R = 0.2 mm

** na zamówienie*

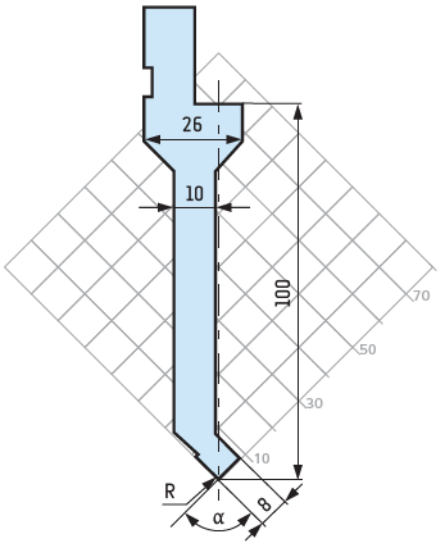


S 2024 30 t/m

α = 88°, 85°, 90°*

R = 0.2 mm

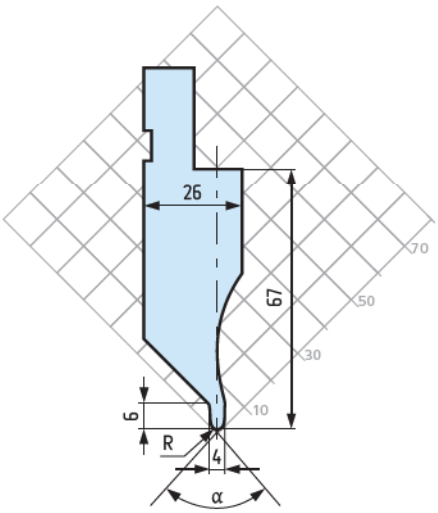
** na zamówienie*



S 2025 40 t/m

α = 88°, 90°

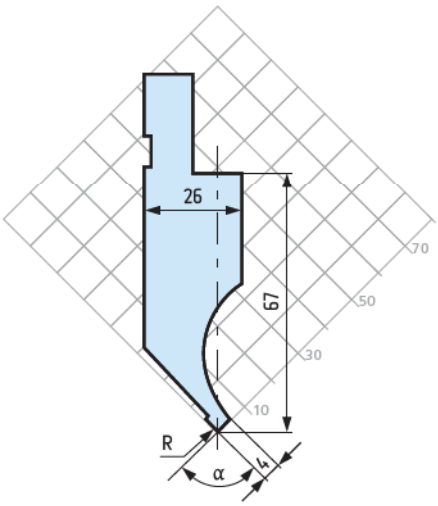
R = 0.2 mm



S 2026 20 t/m

α = 88°, 90°

R = 0.2 mm

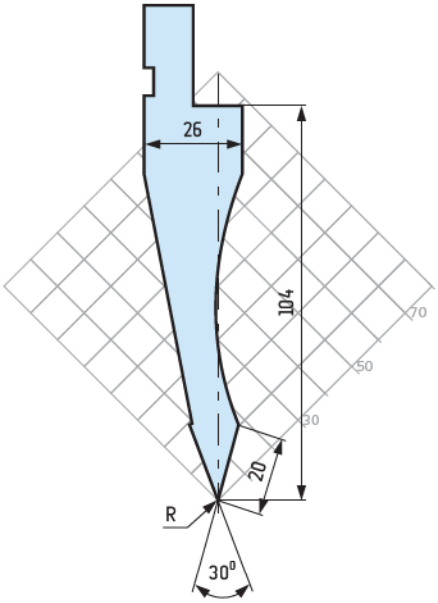


24h

S 2027 70 t/m

α = 30°

R = 0.8 mm

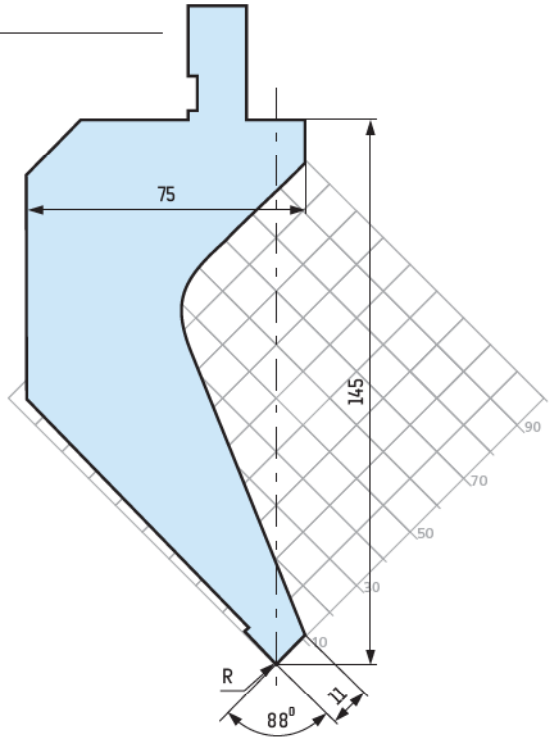


24h

S 2028 80 t/m

α = 85°, 88°

R = 0.8 mm

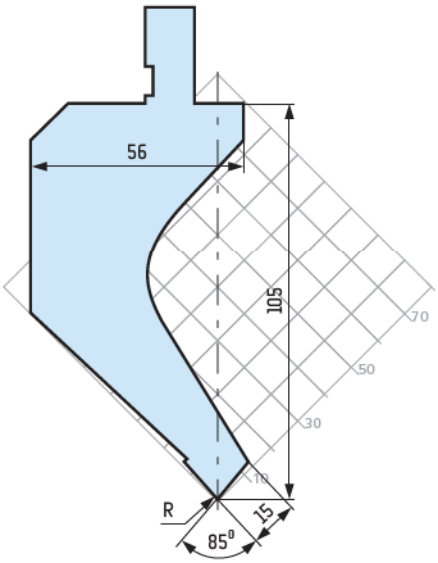


24h

S 2029 60 t/m

α = 85°

R = 5 mm, 6.5 mm

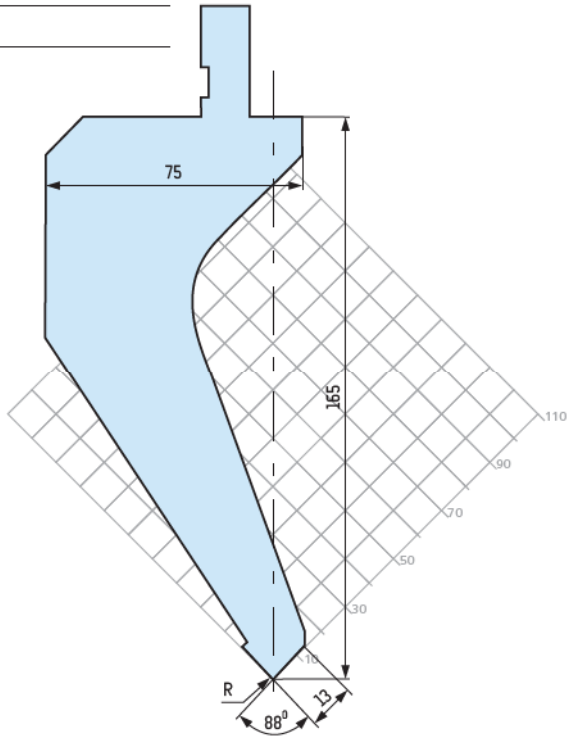


24h

S 2030 60 t/m

α = 85°, 88°

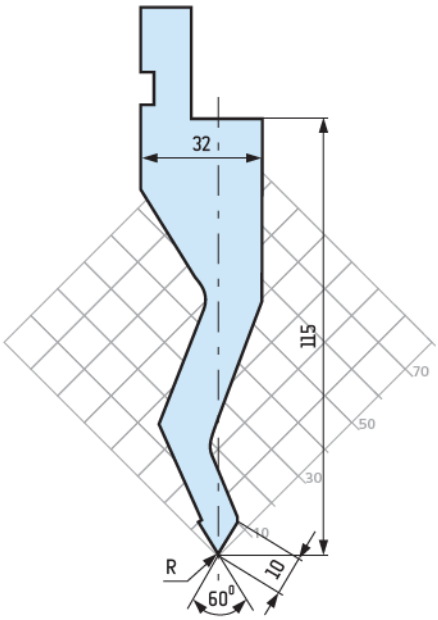
R = 0.8 mm



S 2031 55 t/m

α = 60°

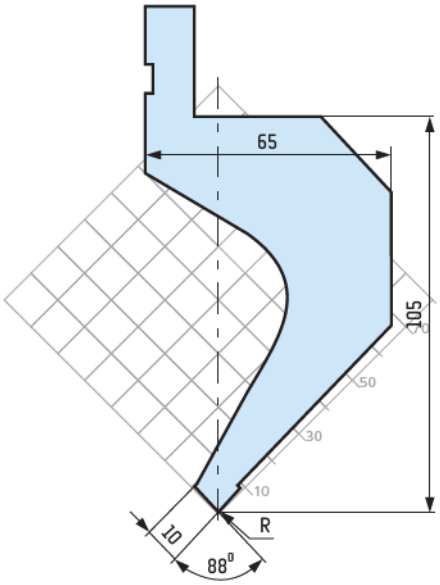
R = 0.8 mm



S 2032 45 t/m

α = 88°

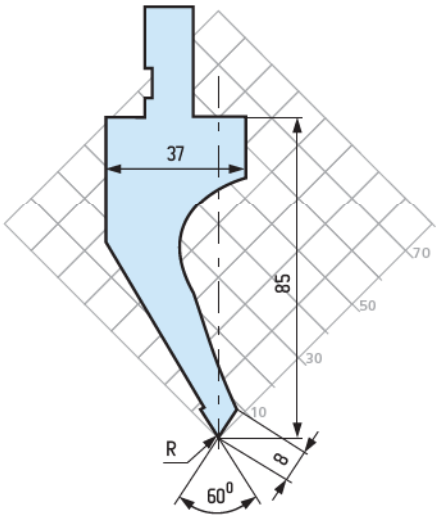
R = 0.8 mm



S 2034 35 t/m

α = 60°

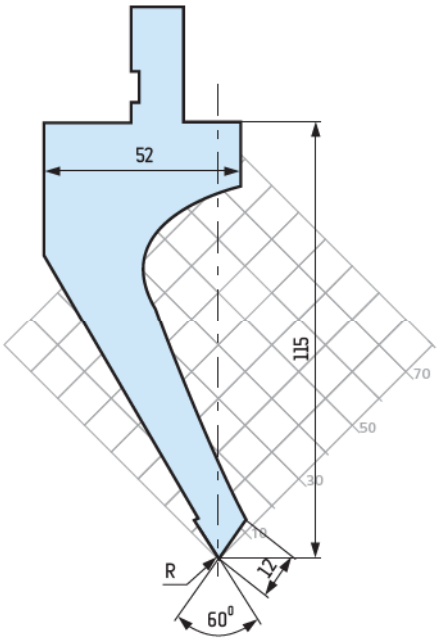
R = 0.8 mm



S 2035 35 t/m

α = 60°

R = 0.8 mm



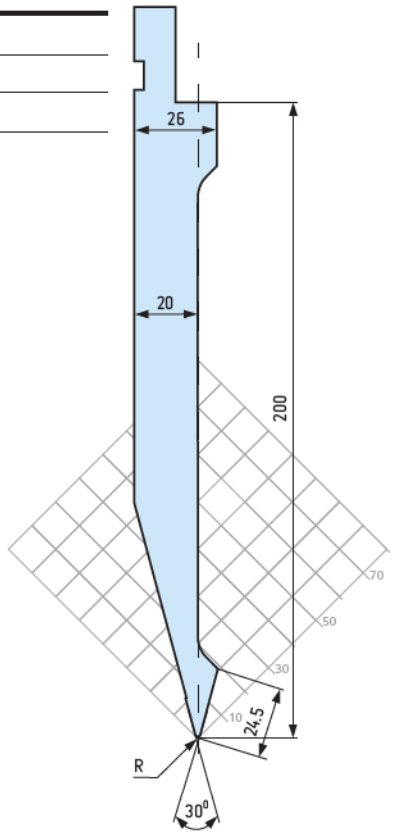
TYPE "A" PUNCHES | STEMPLE TYPU „A"

42CrMo4

S 2036 50 t/m

$\alpha = 30^0$

$R = 0.8$ mm

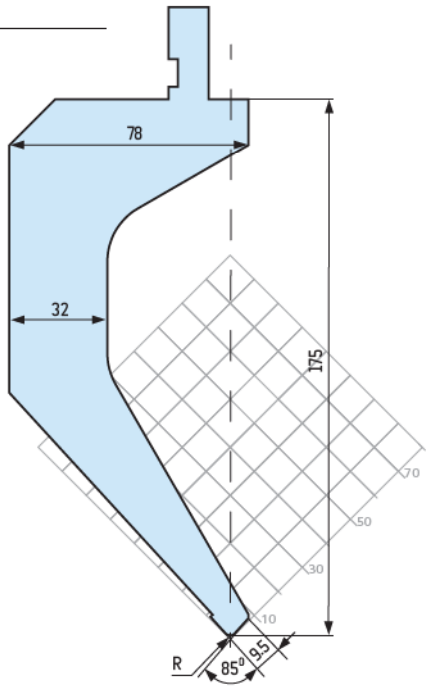


42CrMo4

S 2037 70 t/m

$\alpha = 85^0$

$R = 0.8$ mm

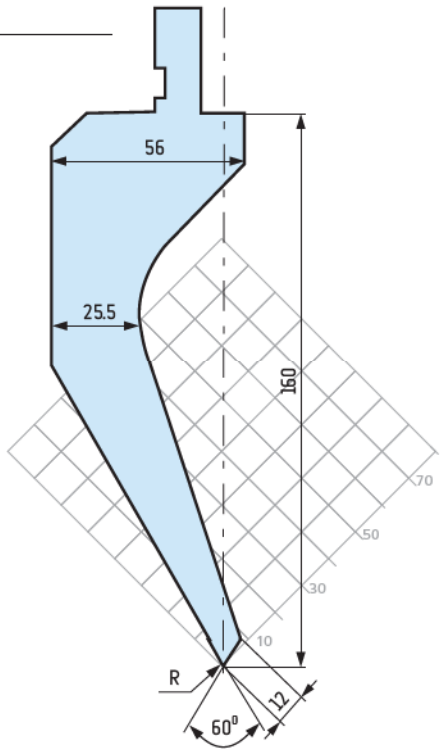


42CrMo4

S 2038 40 t/m

$\alpha = 60^0$

$R = 0.8$ mm

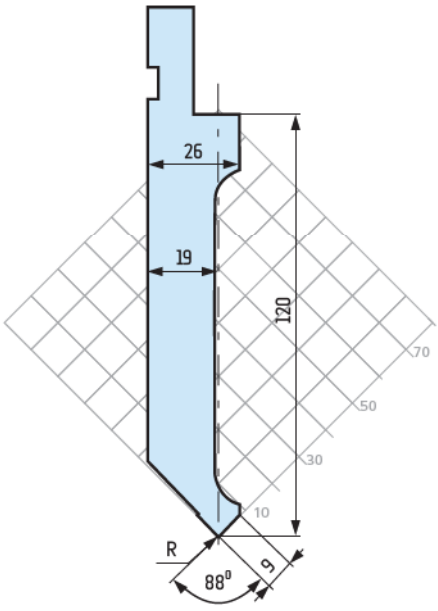


42CrMo4

S 2039 100 t/m

$\alpha = 88^0$

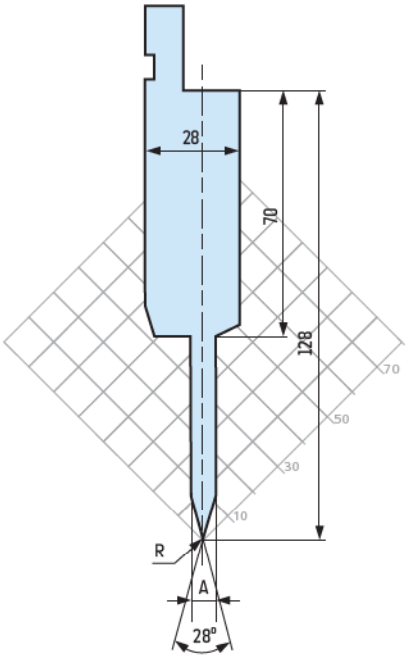
$R = 0.5$ mm

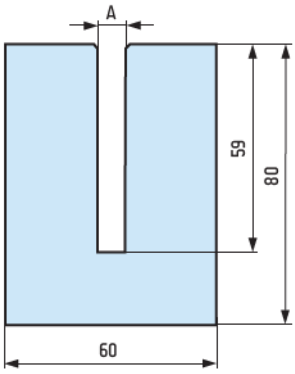


TYPE "A" PUNCHES | **STEMPLE TYPU „A"**

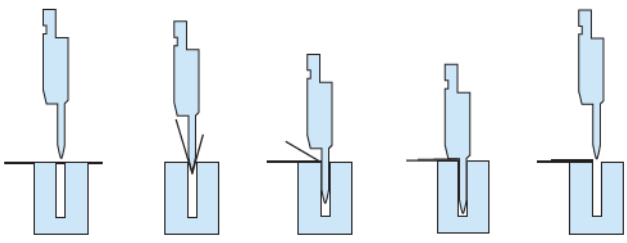
flattening tools | **zestaw do zagniatania**

24h 42CrMo4	24h 42CrMo4
S 2033 70 t/m	**M 3000** 70 t/m
α = 28°	*A = 8 mm, 10 mm, 12 mm*
R = 0.6 mm, A=8 mm, 10 mm, 12 mm	



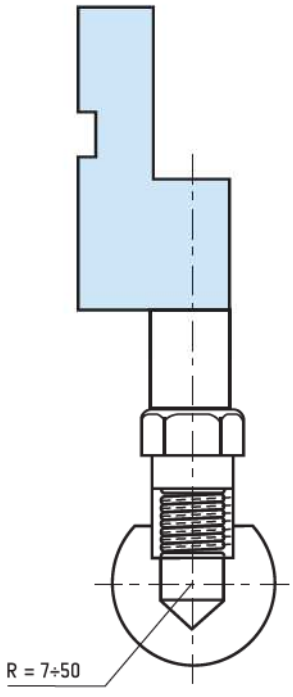


example of use S 2033 and M 3000 | **przykład zastosowania S 2033 i M 3000**



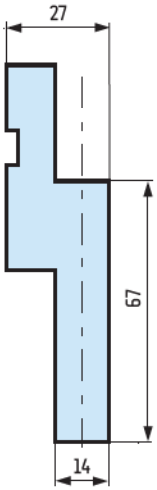
RADIUS PUNCHES | **STEMPLE PROMIENIOWE**

assembly | **sposób mocowania**

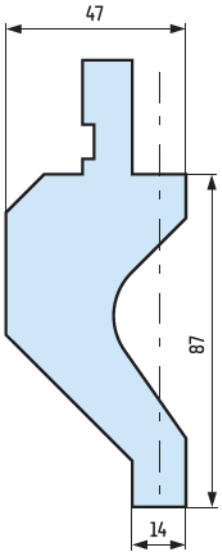


RADIUS PUNCHES | STEMPLE PROMIENIOWE

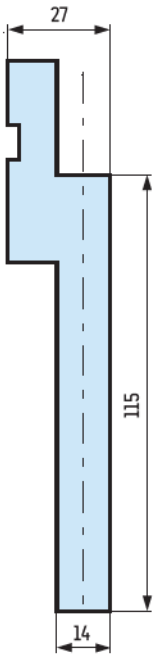
PUNCH R | **STEMPEL R** 80 t/m



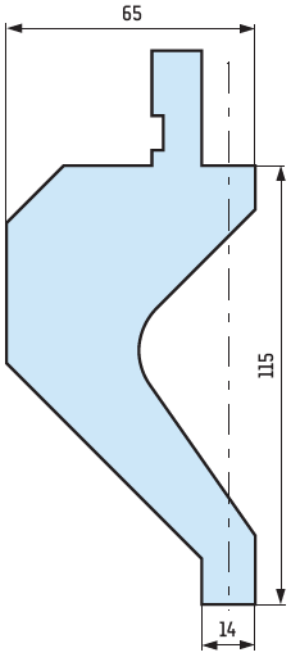
PUNCH R 2 | **STEMPEL R 2** 50 t/m



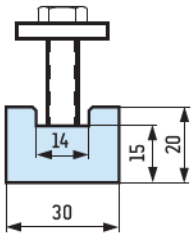
PUNCH R/115 | **STEMPEL R/115** 80 t/m



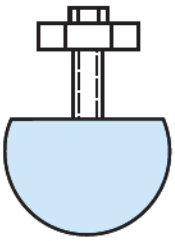
PUNCH R 2 /115 | **STEMPEL R 2/115** 50 t/m



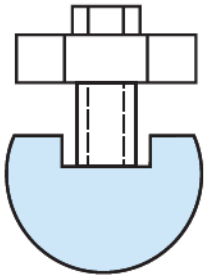
FLATTENING INSERT | WKŁADKA PŁASKA



WKŁADKA R 7 – R 12

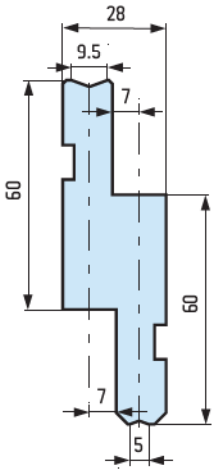


WKŁADKA R 12.5 – R 50



STEMPEL R – R 80 t/m

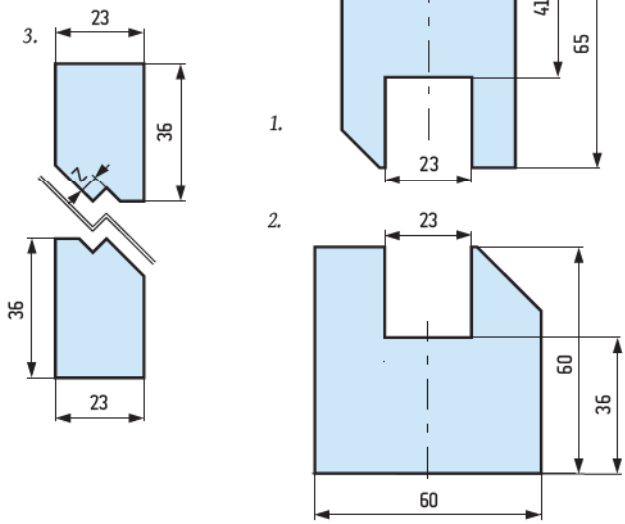
Double radius punch.
Stempel podwójny promieniowy



WKŁDKA R 3 – R 6.5

Z SHAPE TOOL | ZESTAW DO Z

1. Z Punch / Stempel Z
2. Z Die / Matryca Z
3. Z Insert (set) / Wkładka Z (kpl)



MECHANICAL ADAPTORS FOR PUNCHES | ŁĄCZNIKI MECHANICZNE STEMPLI

joiners | adaptersy

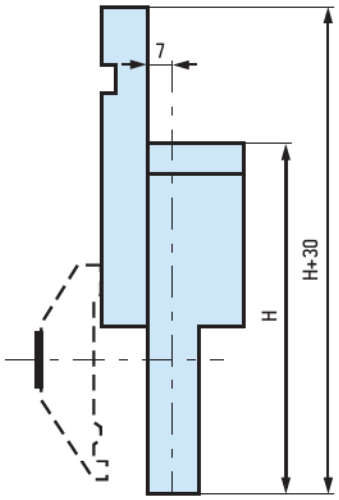
TYPE "A" | TYP „A"

H = 100 mm, L = 150 mm

H = 120 mm, L = 150 mm

H = 140 mm, L = 150 mm

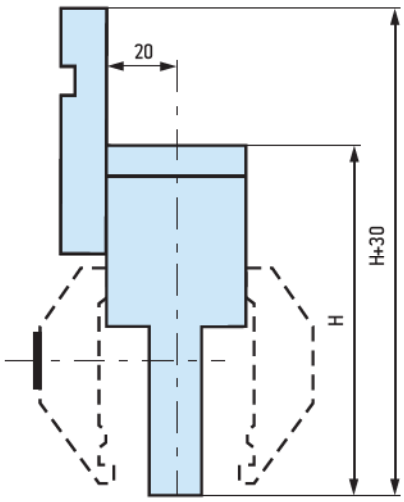
H = 150 mm, L = 150 mm



TYPE "B" | TYP „B"

H = 120 mm, L = 150 mm

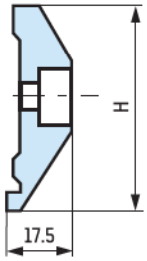
H = 170 mm, L = 150 mm



clamping washers | podkładki mocujące (klamry)

TYPE "S" | TYP „S"

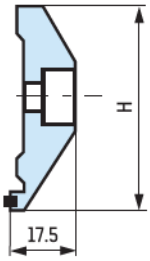
H = 58 mm, L = 150 mm



TYPE "P" | TYP „P"

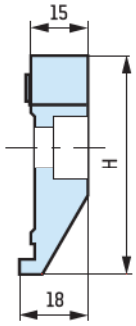
with plastic insert / z wkładką plastikową

H = 58 mm, L = 150 mm

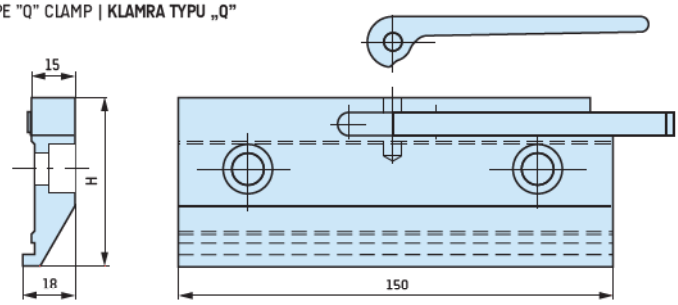


TYPE "Q" | TYP „Q"

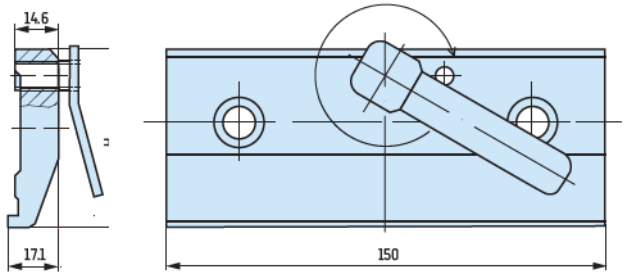
H = 60 mm, L = 150 mm



TYPE "Q" CLAMP | KLAMRA TYPU „Q"



TYPE "QR" CLAMP | KLAMRA TYPU „QR"



type "T" adaptor | adapter typu „T"

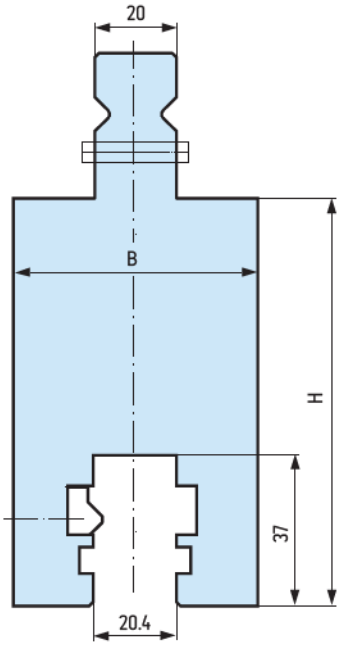
TYPE "T/T" | **TYP „T/T"**

H = 60 mm, L = 100 mm, B = 55 mm

H = 80 mm, L = 100 mm, B = 55 mm

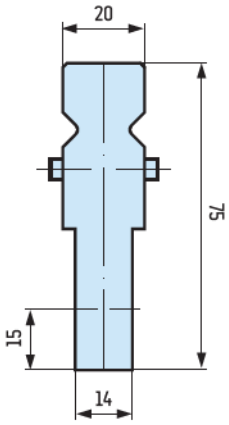
H = 100 mm, L = 100 mm, B = 55 mm

H = 150 mm, L = 100 mm, B = 60 mm



TYPE "T/A" 75 | **TYP „T/A" 75**

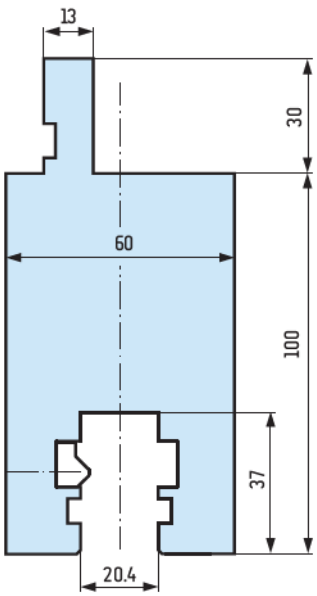
H = 75 mm, L = 835 mm



system changing adaptors | adaptery międzysystemowe

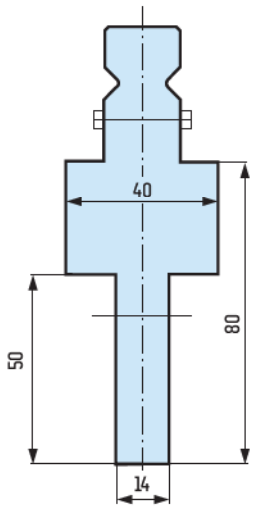
TYPE "A/T" | **TYP „A/T"**

H = 100 mm, L = 100 mm



TYPE "T/A" 80 | **TYP „T/A" 80**

H = 80 mm, L = 150 mm

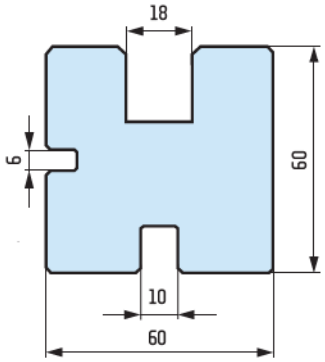


TYPE "A" DIES | MATRYCE TYPU „A"

multiple vee dies | matryce wielorowkowe

24h

MR 100 t/m



24h

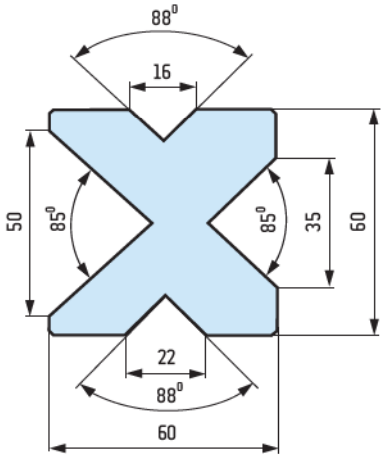
M 4 80 t/m

α = 85°, 88°

42CrMo4

M 4 80 t/m

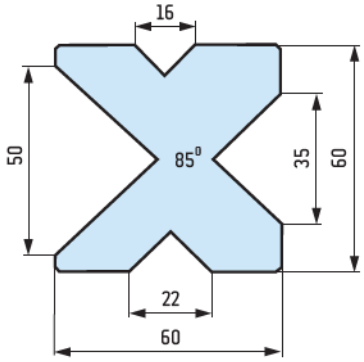
α = 85°, 88°



24h

M 4/85° 80 t/m

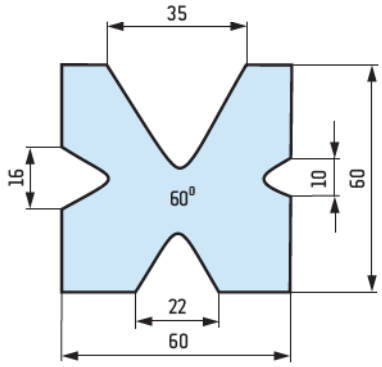
α = 85°



24h

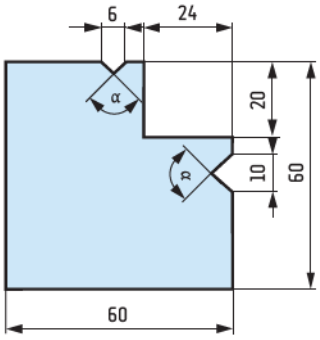
M 4/60° 60 t/m

α = 60°



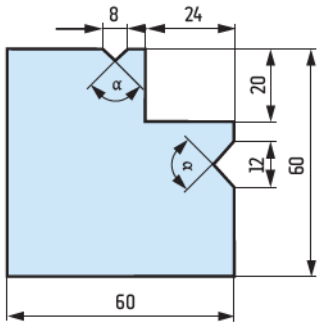
M 2/6 – 10 100 t/m

α = 90°



M 2/8 –12 80 t/m

α = 90°



TYPE "A" DIES | MATRYCE TYPU „A"

Dies fixed using die supports A 20 or A –> p. 60
Matryce montowane przy pomocy podpór A 20 lub prowadnicy A –> str 60

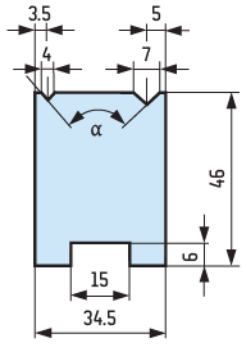
with groove | rowkowe

M 6019 80 t/m

α = 90°

M 6119 80 t/m

α = 88°



M 6020 80 t/m

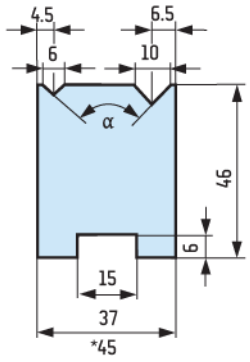
α = 90°

M 6120 80 t/m

α = 88°

M 6220 35 t/m*

α = 30°



M 6021 80 t/m

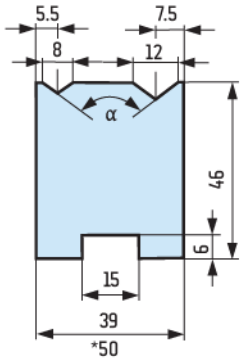
α = 90°

M 6121 80 t/m

α = 88°

M 6221 40 t/m *

α = 30°

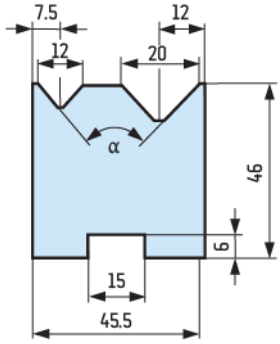


M 6022 80 t/m

α = 90°

M 6122 80 t/m

α = 88°

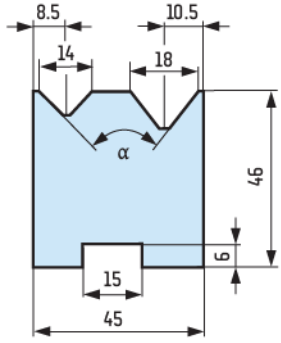


M 6023 80 t/m

α = 90°

M 6123 80 t/m

α = 88°

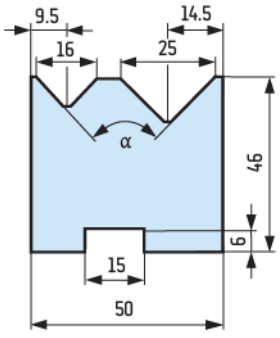


M 6024 80 t/m

α = 90°

M 6124 80 t/m

α = 88°



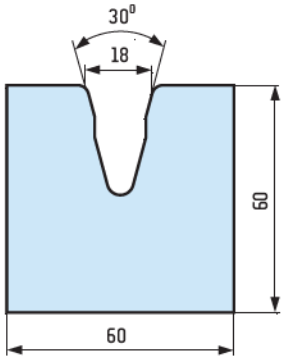
TYPE "A" DIES | MATRYCE TYPU „A"

1V dies | matryce 1V

M 3330/18 100 t/m

α = 30°

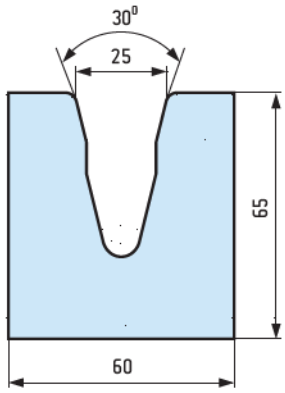
V = 18 mm



M 3330/25 100 t/m

α = 30°

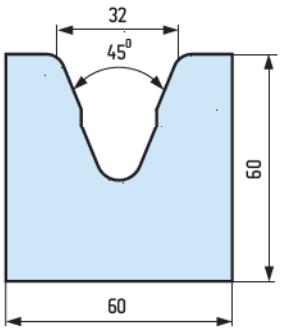
V = 25 mm



M 3345/32 100 t/m

α = 45°

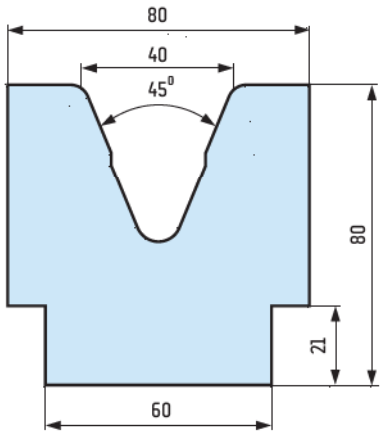
V = 32 mm



M 3345/40 100 t/m

α = 45°

V = 40 mm

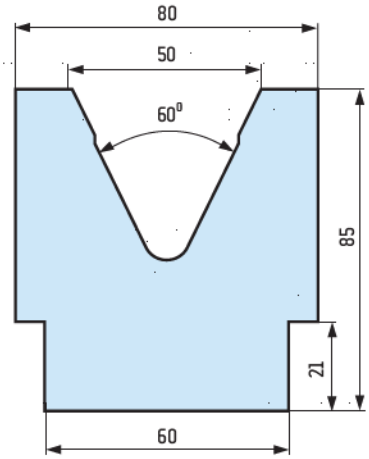


1V dies | matryce 1V

M 3360/50 100 t/m

α = 60°

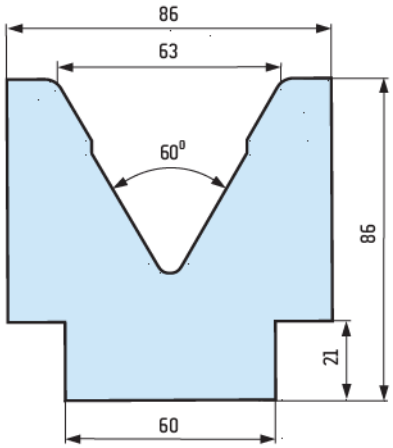
V = 50 mm



M 3360/63 100 t/m

α = 60°

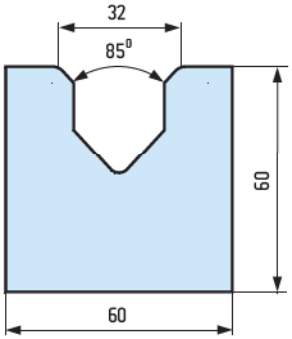
V = 63 mm



M 3385/32 100 t/m

α = 85°

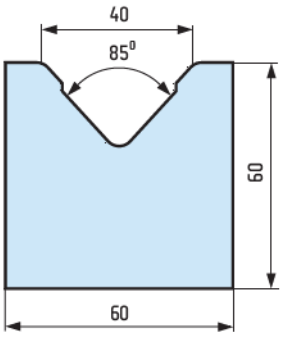
V = 32 mm



M 3385/40 100 t/m

α = 85°

V = 40 mm



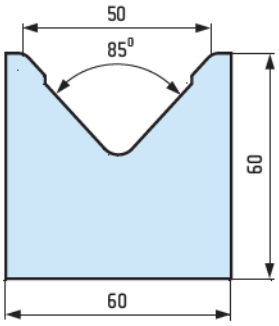
TYPE "A" DIES | **MATRYCE TYPU „A"**

1V dies | **matryce 1V**

M 3385/50 100 t/m

α = 85°

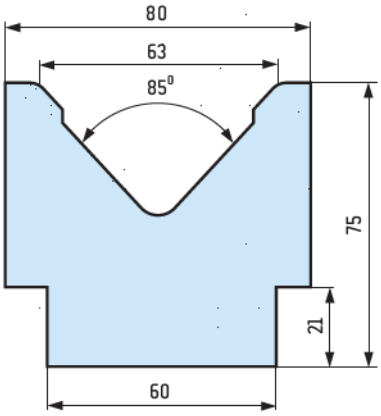
V = 50 mm



M 3385/63 100 t/m

α = 85°

V = 63 mm



M 3385/80 100 t/m

α = 85°

V = 80 mm

H = 80 mm

na zamówienie H = 95 mm

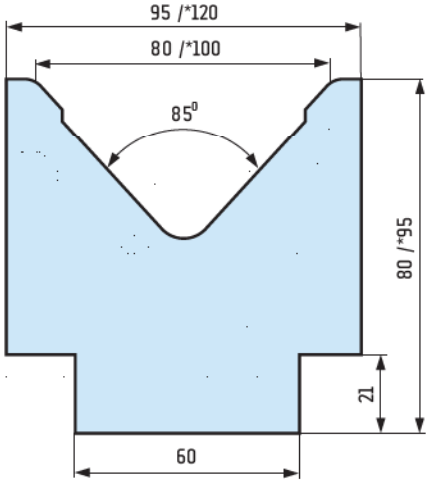
M 3385/100 * 100 t/m

*α = 85°**

*V = 100 mm **

*H = 95 mm**

na zamówienie H = 110 mm



M 3380/125 70 t/m

α = 80°

V = 125 mm

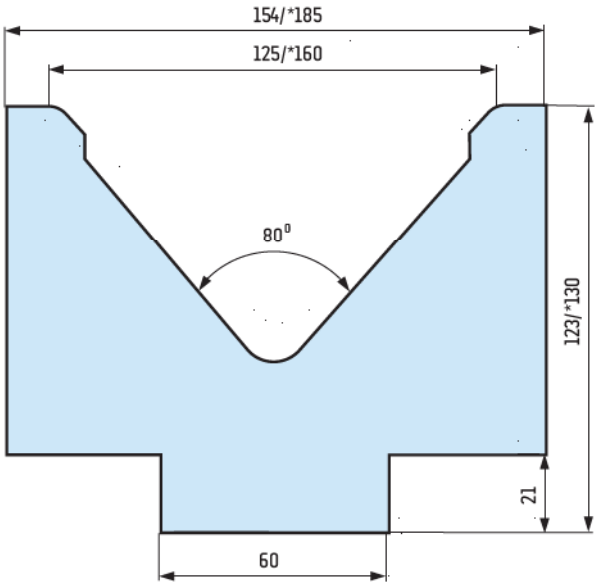
H = 123 mm

M 3380/160 70 t/m*

*α = 80° **

*V = 160 mm**

*H = 130 mm **



TYPE "A" DIES | MATRYCE TYPU „A"

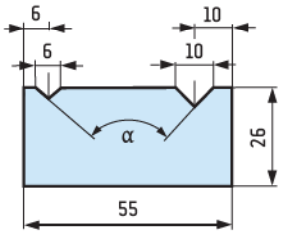
Dies fixed using die supports A 34, A39, A 55 or A 75 –> p. 60
Matryce montowane przy pomocy podpór A 34, A 39, A 55 lub A 75 –> str 60

bolt fastened | mocowane śrubami

24h

M 6112 100 t/m

$\alpha = 90^0$



24h

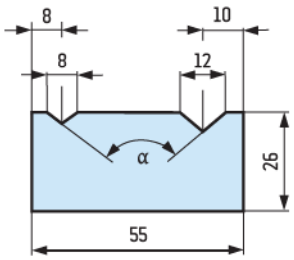
M 6212 60 t/m

$\alpha = 60^0$

24h

M 6113 100 t/m

$\alpha = 90^0$



24h

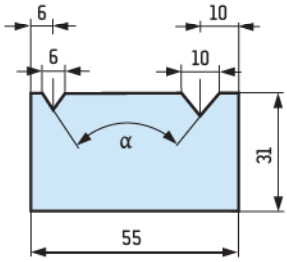
M 6213 80 t/m

$\alpha = 60^0$

24h

M 6312 30 t/m

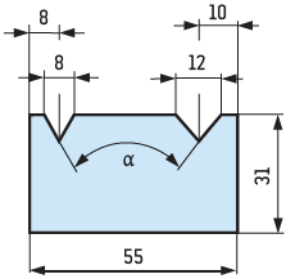
$\alpha = 35^0$



24h

M 6313 30 t/m

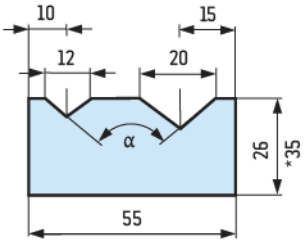
$\alpha = 35^0$



24h

M 6114 100 t/m

$\alpha = 88^0$



24h

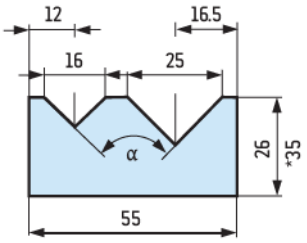
M 6214 80 t/m *

$\alpha = 60^0$

24h

M 6115 100 t/m

$\alpha = 88^0$



24h

M 6215 80 t/m *

$\alpha = 60^0$

TYPE "A" DIES | MATRYCE TYPU „A"

dies with base H = 80 mm | matryce z podstawą H = 80 mm

M 6130 30 t/m
A = 8 mm, B = 16 mm
R_1 = 1 mm, R_2 = 1 mm

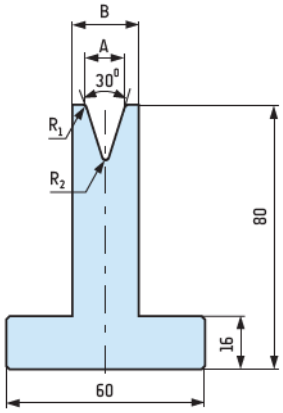
M 6230 35 t/m
A = 10 mm, B = 20 mm
R_1 = 1 mm, R_2 = 1 mm

M 6330 35 t/m
A = 12 mm, B = 22 mm
R_1 = 1 mm, R_2 = 1 mm

M 6430 45 t/m
A = 16 mm, B = 30 mm
R_1 = 2 mm, R_2 = 2 mm

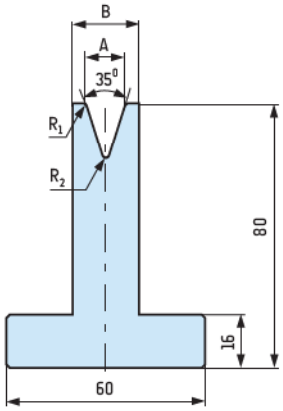
M 6530 30 t/m
A = 6 mm, B = 14 mm
R_1 = 0.8 mm, R_2 = 0.8 mm

M 6630 50 t/m
A = 20 mm, B = 35 mm
R_1 = 4 mm, R_2 = 4 mm



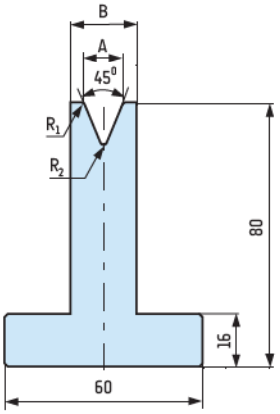
M 6135 35 t/m
A = 8 mm, B = 14 mm
R_1 = 1.5 mm, R_2 = 0.8 mm

M 6235 40 t/m
A = 12 mm, B = 18 mm
R_1 = 2 mm, R_2 = 1 mm



M 6145 50 t/m
A = 10 mm, B = 16 mm
R_1 = 2 mm, R_2 = 1 mm

M 6245 50 t/m
A = 12 mm, B = 18 mm
R_1 = 2.5 mm, R_2 = 1 mm



TYPE "A" DIES | MATRYCE TYPU „A"

dies with base H = 80 mm | matryce z podstawą H = 80 mm

M 6160 60 t/m
A = 8 mm, B = 14 mm
R_1 = 1.5 mm, R_2 = 0.8 mm

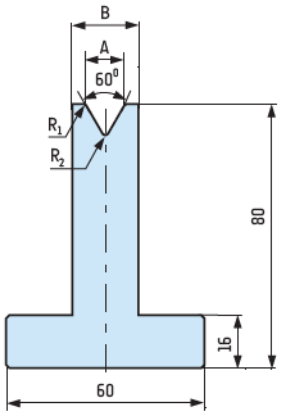
M 6260 60 t/m
A = 10 mm, B = 16 mm
R_1 = 2 mm, R_2 = 1 mm

M 6360 60 t/m
A = 12 mm, B = 18 mm
R_1 = 2.5 mm, R_2 = 1 mm

M 6460 60 t/m
A = 16 mm, B = 24 mm
R_1 = 1.5 mm, R_2 = 1.5 mm

M 6560 60 t/m
A = 20 mm, B = 30 mm
R_1 = 2 mm, R_2 = 2 mm

M 6660 60 t/m
A = 25 mm, B = 40 mm
R_1 = 3 mm, R_2 = 3 mm



M 6085 100 t/m
A = 8 mm, B = 14 mm
R_1 = 1 mm, R_2 = 0.5 mm

M 6185 100 t/m
A = 12 mm, B = 18 mm
R_1 = 2.5 mm, R_2 = 1 mm

M 6285 100 t/m
A = 16 mm, B = 24 mm
R_1 = 2.5 mm, R_2 = 1 mm

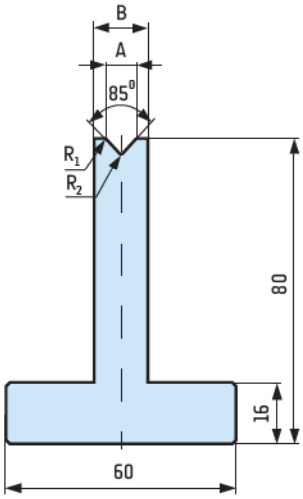
M 6385 100 t/m
A = 20 mm, B = 30 mm
R_1 = 3 mm, R_2 = 1.5 mm

M 6485 100 t/m
A = 25 mm, B = 40 mm
R_1 = 3 mm, R_2 = 3 mm

M 6585 100 t/m
A = 10 mm, B = 18 mm
R_1 = 1 mm, R_2 = 1 mm

M 6685 100 t/m
A = 14 mm, B = 18 mm
R_1 = 2.6 mm, R_2 = 0.4 mm

M 6785 100 t/m
A = 6 mm, B = 14 mm
R_1 = 0.5 mm, R_2 = 0.5 mm



M 6088 100 t/m
A = 8 mm, B = 14 mm
R_1 = 1 mm, R_2 = 0.5 mm

M 6188 100 t/m
A = 12 mm, B = 18 mm
R_1 = 2.5 mm, R_2 = 1 mm

M 6288 100 t/m
A = 16 mm, B = 24 mm
R_1 = 2.5 mm, R_2 = 1 mm

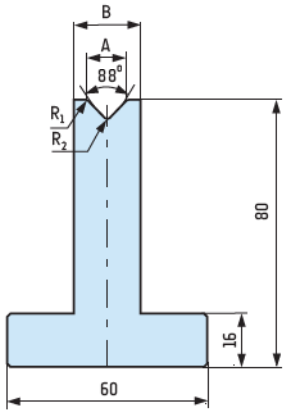
M 6388 100 t/m
A = 20 mm, B = 30 mm
R_1 = 3 mm, R_2 = 1.5 mm

M 6488 100 t/m
A = 25 mm, B = 40 mm
R_1 = 3 mm, R_2 = 3 mm

M 6588 100 t/m
A = 10 mm, B = 18 mm
R_1 = 1 mm, R_2 = 1 mm

M 6688 100 t/m
A = 14 mm, B = 18 mm
R_1 = 2.6 mm, R_2 = 0.4 mm

M 6788 100 t/m
A = 6 mm, B = 14 mm
R_1 = 0.5 mm, R_2 = 0.5 mm



TYPE "A" DIES | MATRYCE TYPU „A"

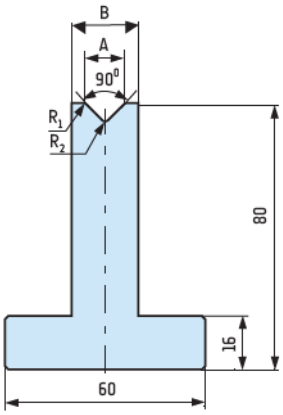
dies with base H = 80 mm | matryce z podstawą H = 80 mm

M 6190 100 t/m
A = 6 mm, B = 12 mm
R_1 = 1.5 mm, R_2 = 0.5 mm

M 6290 100 t/m
A = 8 mm, B = 14 mm
R_1 = 1.5 mm, R_2 = 0.8 mm

M 6390 100 t/m
A = 10 mm, B = 16 mm
R_1 = 2 mm, R_2 = 1 mm

M 6490 100 t/m
A = 12 mm, B = 18 mm
R_1 = 2.5 mm, R_2 = 1.5 mm



dies with base H = 120 mm | matryce z podstawą H = 120 mm

M 9130 30 t/m
A = 8 mm, B = 18 mm
R_1 = 1 mm, R_2 = 1 mm

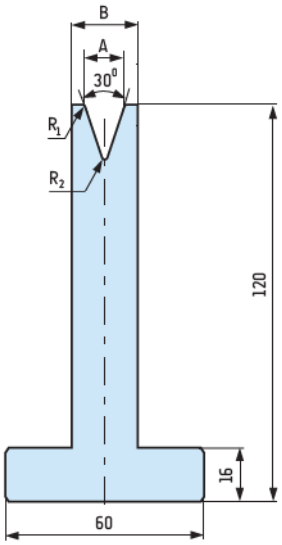
M 9230 35 t/m
A = 10 mm, B = 24 mm
R_1 = 1 mm, R = 1 mm

M 9330 35 t/m
A = 12 mm, B = 24 mm
R_1 = 1 mm, R_2 = 1 mm

M 9430 45 t/m
A = 16 mm, B = 30 mm
R_1 = 2 mm, R_2 = 2 mm

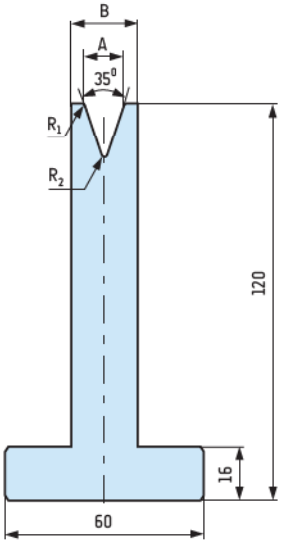
M 9530 30 t/m
A = 6 mm, B = 14 mm
R_1 = 0.8 mm, R = 0.8 mm

M 9630 50 t/m
A = 20 mm, B = 35 mm
R_1 = 4 mm, R_2 = 4 mm



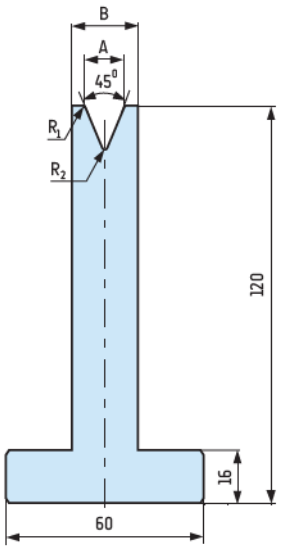
M 9135 35 t/m
A = 8 mm, B = 18 mm
R_1 = 1.5 mm, R_2 = 0.8 mm

M 9235 40 t/m
A = 12 mm, B = 18 mm
R_1 = 2 mm, R_2 = 1 mm



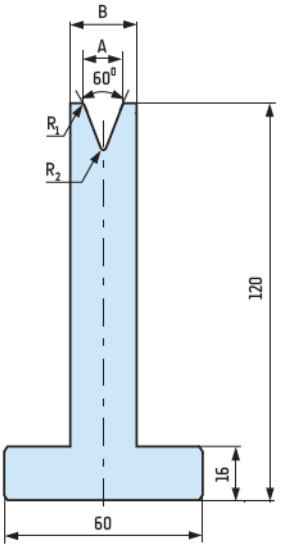
TYPE "A" DIES | MATRYCE TYPU „A"

dies with base H = 120 mm | matryce z podstawą H = 120 mm



M 9145 50 t/m
A = 10 mm, B = 18 mm
R_1 = 2 mm, R_2 = 1 mm

M 9245 50 t/m
A = 12 mm, B = 18 mm
R_1 = 2.5 mm, R_2 = 1 mm



M 9160 60 t/m
A = 8 mm, B = 14 mm
R_1 = 1.5 mm, R_2 = 0.8 mm

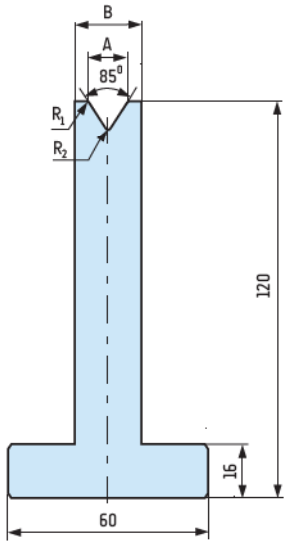
M 9260 60 t/m
A = 10 mm, B = 18 mm
R_1 = 2 mm, R_2 = 1 mm

M 9360 60 t/m
A = 12 mm, B = 18 mm
R_1 = 2.5 mm, R_2 = 1 mm

M 9460 60 t/m
A = 16 mm, B = 24 mm
R_1 = 1.5 mm, R_2 = 1.5 mm

M 9560 60 t/m
A = 20 mm, B = 30 mm
R_1 = 2 mm, R_2 = 2 mm

M 9660 60 t/m
A = 25 mm, B = 40 mm
R_1 = 3 mm, R_2 = 3 mm



M 9085 100 t/m
A = 8 mm, B = 14 mm
R_1 = 1 mm, R_2 = 0.5 mm

M 9185 100 t/m
A = 12 mm, B = 18 mm
R_1 = 2.5 mm, R_2 = 1 mm

M 9285 100 t/m
A = 16 mm, B = 24 mm
R_1 = 2.5 mm, R_2 = 1 mm

M 9385 100 t/m
A = 20 mm, B = 30 mm
R_1 = 3 mm, R_2 = 1.5 mm

M 9485 100 t/m
A = 25 mm, B = 40 mm
R_1 = 3 mm, R_2 = 3 mm

M 9585 100 t/m
A = 10 mm, B = 18 mm
R_1 = 1 mm, R_2 = 1 mm

M 9685 100 t/m
A = 14 mm, B = 18 mm
R_1 = 2.6 mm, R_2 = 0.4 mm

M 9785 100 t/m
A = 6 mm, B = 14 mm
R_1 = 0.5 mm, R_2 = 0.5 mm

TYPE "A" DIES | MATRYCE TYPU „A"

dies with base H = 120 mm | matryce z podstawą H = 120 mm

M 9088 100 t/m
A = 8 mm, B = 14 mm
R_1 = 1 mm, R_2 = 0.5 mm

M 9188 100 t/m
A = 12 mm, B = 18 mm
R_1 = 2.5 mm, R_2 = 1 mm

M 9288 100 t/m
A = 16 mm, B = 24 mm
R_1 = 2.5 mm, R_2 = 1 mm

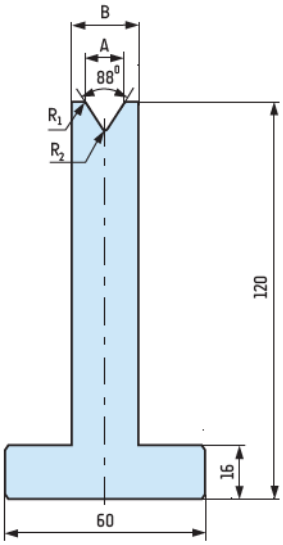
M 9388 100 t/m
A = 20 mm, B = 30 mm
R_1 = 3 mm, R_2 = 1.5 mm

M 9488 100 t/m
A = 25 mm, B = 40 mm
R_1 = 3 mm, R_2 = 3 mm

M 9588 100 t/m
A = 10 mm, B = 18 mm
R_1 = 1 mm, R_2 = 1 mm

M 9688 100 t/m
A = 14 mm, B = 18 mm
R_1 = 2.6 mm, R_2 = 0.4 mm

M 9788 100 t/m
A = 6 mm, B = 14 mm
R_1 = 0.5 mm, R_2 = 0.5 mm

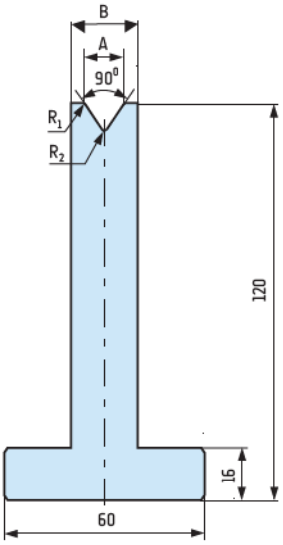


M 9190 100 t/m
A = 6 mm, B = 14 mm
R_1 = 1.5 mm, R_2 = 0.5 mm

M 9290 100 t/m
A = 8 mm, B = 14 mm
R_1 = 1.5 mm, R_2 = 0.8 mm

M 9390 100 t/m
A = 10 mm, B = 18 mm
R_1 = 2 mm, R_2 = 1 mm

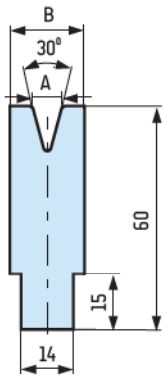
M 9490 100 t/m
A = 12 mm, B = 18 mm
R_1 = 3 mm, R_2 = 0.8 mm



TYPE "A" DIES | MATRYCE TYPU „A"

Dies fixed using die supports A 31 or A 61 –> p. 61
Matryce montowane przy pomocy podpór A 31 lub A 61 –> str 61

insert dies | matryce wkładkowe



42CrMo4

M 8130 35 t/m

$\alpha = 30^0$

A = 6 mm, B = 16 mm

42CrMo4

M 8230 35 t/m

$\alpha = 30^0$

A = 8 mm, B = 19 mm

42CrMo4

M 8330 50 t/m

$\alpha = 30^0$

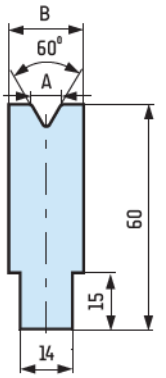
A = 10 mm, B = 24 mm

42CrMo4

M 8430 40 t/m

$\alpha = 30^0$

A = 12 mm, B = 25 mm



42CrMo4

M 8160 60 t/m

$\alpha = 60^0$

A = 6 mm, B = 14 mm

42CrMo4

M 8260 60 t/m

$\alpha = 60^0$

A = 8 mm, B = 15 mm

42CrMo4

M 8360 60 t/m

$\alpha = 60^0$

A = 10 mm, B = 18 mm

42CrMo4

M 8460 60 t/m

$\alpha = 60^0$

A = 12 mm, B = 18 mm

42CrMo4

M 8560 60 t/m

$\alpha = 60^0$

A = 16 mm, B = 24 mm

42CrMo4

M 8660 60 t/m

$\alpha = 60^0$

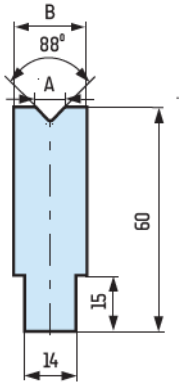
A = 20 mm, B = 30 mm

42CrMo4

M 8760 60 t/m

$\alpha = 60^0$

A = 25 mm, B = 33 mm



42CrMo4

M 8188 100 t/m

$\alpha = 88^0$

A = 6 mm, B = 14 mm

42CrMo4

M 8288 100 t/m

$\alpha = 88^0$

A = 8 mm, B = 14 mm

42CrMo4

M 8388 100 t/m

$\alpha = 88^0$

A = 10 mm, B = 15 mm

42CrMo4

M 8488 100 t/m

$\alpha = 88^0$

A = 12 mm, B = 17 mm

42CrMo4

M 8588 100 t/m

$\alpha = 88^0$

A = 14 mm, B = 18 mm

42CrMo4

M 8688 100 t/m

$\alpha = 88^0$

A = 16 mm, B = 21 mm

42CrMo4

M 8788 100 t/m

$\alpha = 88^0$

A = 18 mm, B = 23 mm

42CrMo4

M 8888 100 t/m

$\alpha = 88^0$

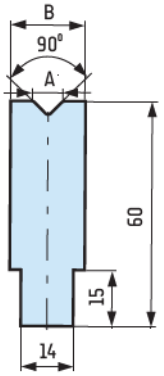
A = 20 mm, B = 25 mm

42CrMo4

M 8988 100 t/m

$\alpha = 88^0$

A = 25 mm, B = 30 mm



42CrMo4

M 8190 100 t/m

$\alpha = 90^0$

A = 6 mm, B = 14 mm

42CrMo4

M 8290 100 t/m

$\alpha = 90^0$

A = 8 mm, B = 14 mm

42CrMo4

M 8390 100 t/m

$\alpha = 90^0$

A = 10 mm, B = 15 mm

42CrMo4

M 8490 100 t/m

$\alpha = 90^0$

A = 12 mm, B = 17 mm

42CrMo4

M 8590 100 t/m

$\alpha = 90^0$

A = 14 mm, B =18 mm

TYPE "A" DIES | MATRYCE TYPU „A"

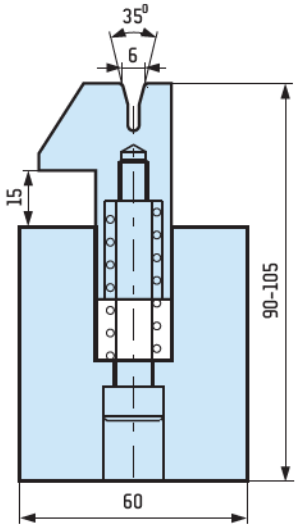
flattening dies | matryce do zagniatania

Bending and folding die, upper part moves on springs.
Matryce dwufunkcyjne do gięcia i zagniatania.
Górna część porusza się na sprężynach.

M 3033/6 60 t/m

α = 35°

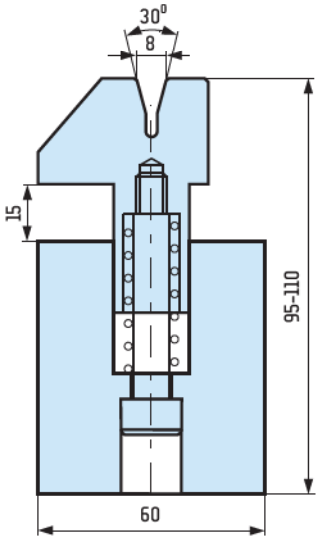
V = 6 mm



M 3033/8 80 t/m

α = 30°

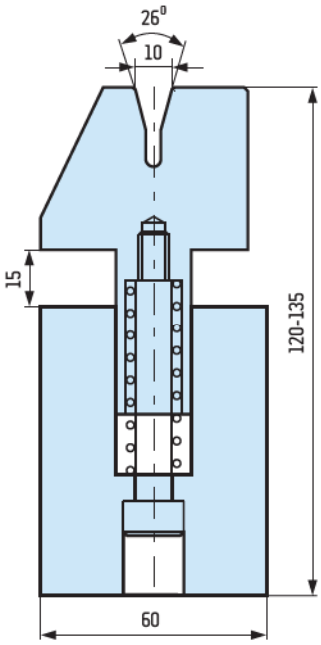
V = 8 mm



M 3033/10 100 t/m

α = 26°

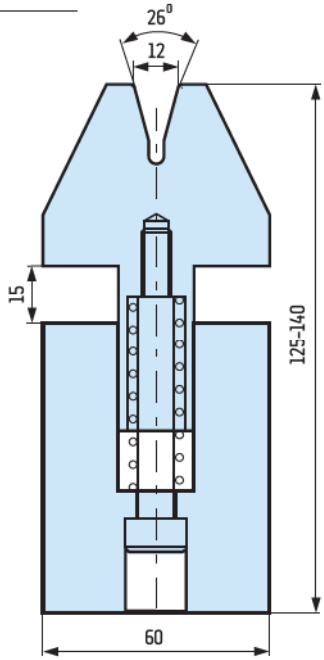
V = 10 mm



M 3033/12 100 t/m

α = 26°

V = 12 mm



TYPE "A" DIES | MATRYCE TYPU „A"

dies with plastic inserts | matryce z wkładkami plastikowymi

INSERT W 24 | **WKŁADKA W 24** 20 t/m

B = 14 mm, H = 15 mm, A = 24 mm

α = 35°, V = 6 mm / 8 mm / 10 mm

α = 45°, V = 6 mm / 8 mm / 10 mm / 12 mm

α = 60°, V = 6 mm / 8 mm / 10 mm / 12 mm / 16 mm

α = 88°, V = 6 mm / 8 mm / 10 mm / 12 mm / 16 mm

INSERT W 35 | **WKŁADKA W 35** 20 t/m

B = 20 mm, H = 19 mm, A = 35 mm

α = 35°, V = 6 mm / 8 mm / 10 mm

α = 45°, V = 6 mm / 8 mm / 10 mm / 12 mm

α = 60°, V = 6 mm / 8 mm / 10 mm / 12 mm / 16 mm / 20 mm

α = 88°, V = 6 mm / 8 mm / 10 mm / 12 mm / 16 mm / 20 mm / 25 mm

INSERT W 35 | **WKŁADKA W 38** 20 t/m

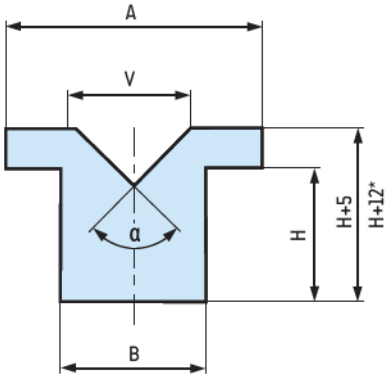
B = 30 mm, H = 19 mm, A = 38 mm

α = 30°, V = 6 mm / 8 mm / 10 mm / 12 mm / 16 mm

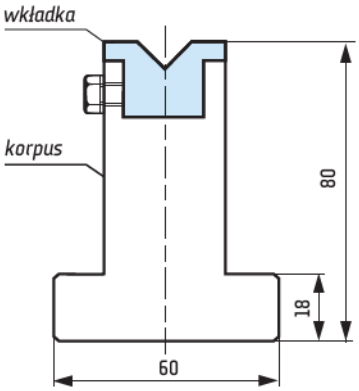
α = 60°, V = 6 mm / 8 mm / 10 mm / 12 mm / 16 mm / 20 mm

α = 88°, V = 6 mm / 8 mm / 10 mm / 12 mm / 16 mm / 20 mm / 25 mm

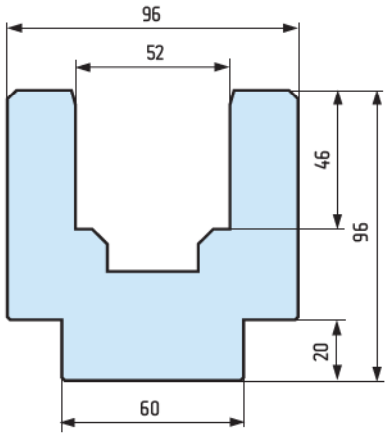
** for W 38 / dla W 38*



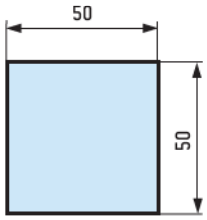
BODY | **KORPUS W 24 / W 35 / W 38**



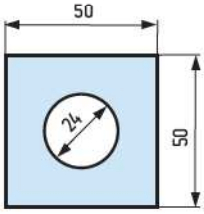
BODY W 50 | **KORPUS W 50**



INSERT 50 FULL | **WKŁADKA 50 PEŁNA**



INSERT 50 WITH HOLE | **WKŁADKA 50 Z OTWOREM**

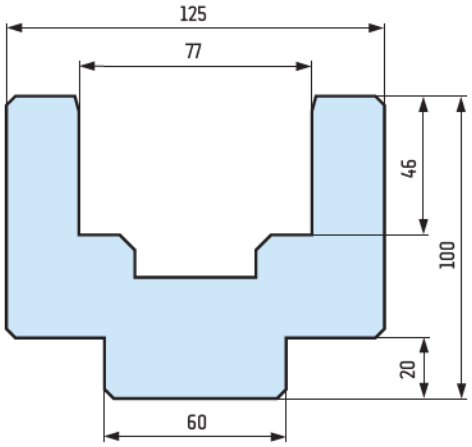


Polyamid inserts allow to minimize bending marks on coated or stainless steel.

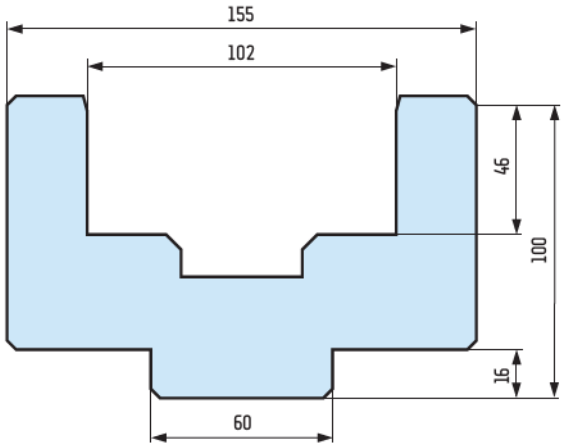
Wkładki poliamidowe pozwalają zminimalizować ślady przy gięciu cienkich blach pokrywanych lub nierdzewnych.

TYPE "A" DIES | MATRYCE TYPU „A"

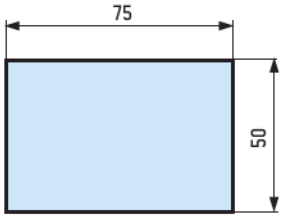
BODY W 75 | **KORPUS W 75**



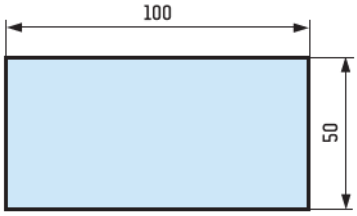
BODY W 100 | **KORPUS W 100**



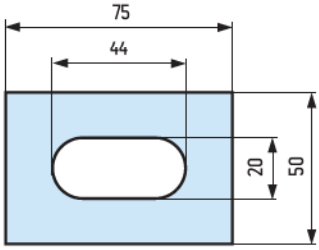
INSERT 75 FULL | **WKŁADKA 75 PEŁNA**



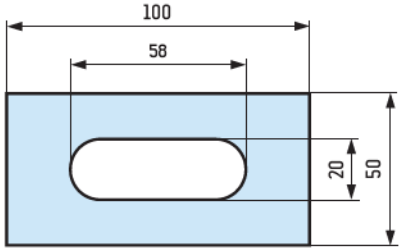
INSERT 100 FULL | **WKŁADKA 100 PEŁNA**



INSERT 75 WITH HOLE | **WKŁADKA 75 Z OTWOREM**



INSERT 100 WITH HOLE | **WKŁADKA 100 Z OTWOREM**

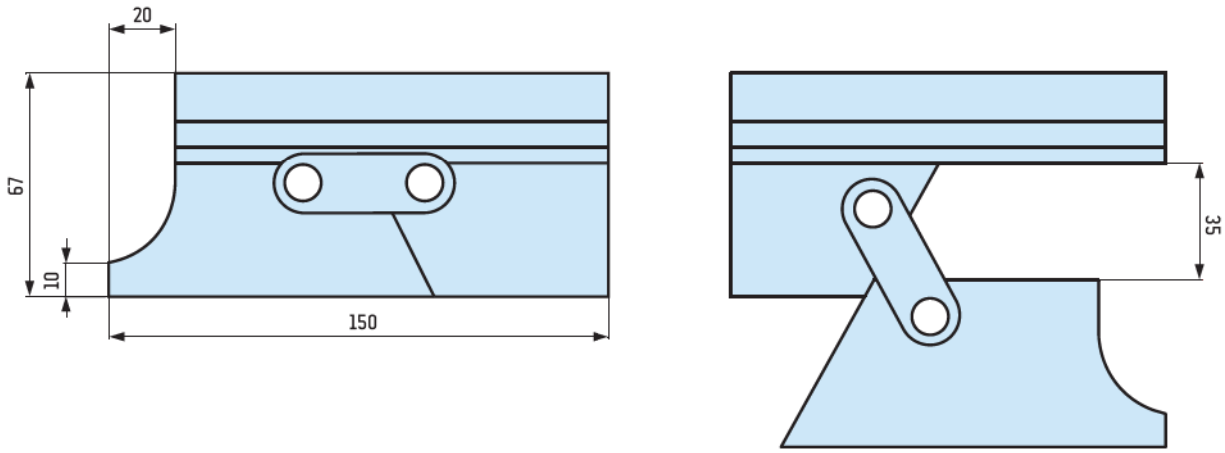


Rubber inserts allow mark free bending. Especially good with type "R" punches.

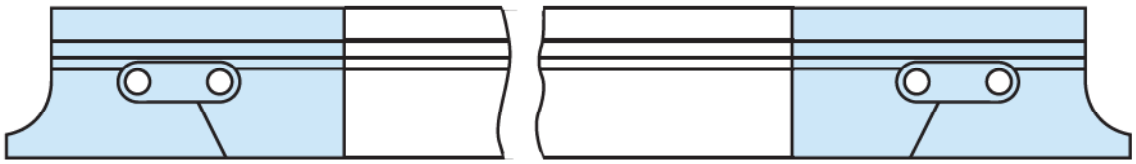
Wkładki gumowe pozwalają na gięcie bez uszkodzeń blachy. Szczególnie polecane ze stemplami „R".

BOX – CLOSING PUNCH | STEMPEL DO ZAMYKANIA PUDEŁEK

Punch with dimensions as S2010/88/R0.8 used for closing boxes.
Stempel o geometrii jak S2010/88/R0.8 służący do zamykania pudełek.



Assembly with S2010.
Złożenie z S2010.



PROTECTIVE TAPE | TAŚMA OCHRONNA

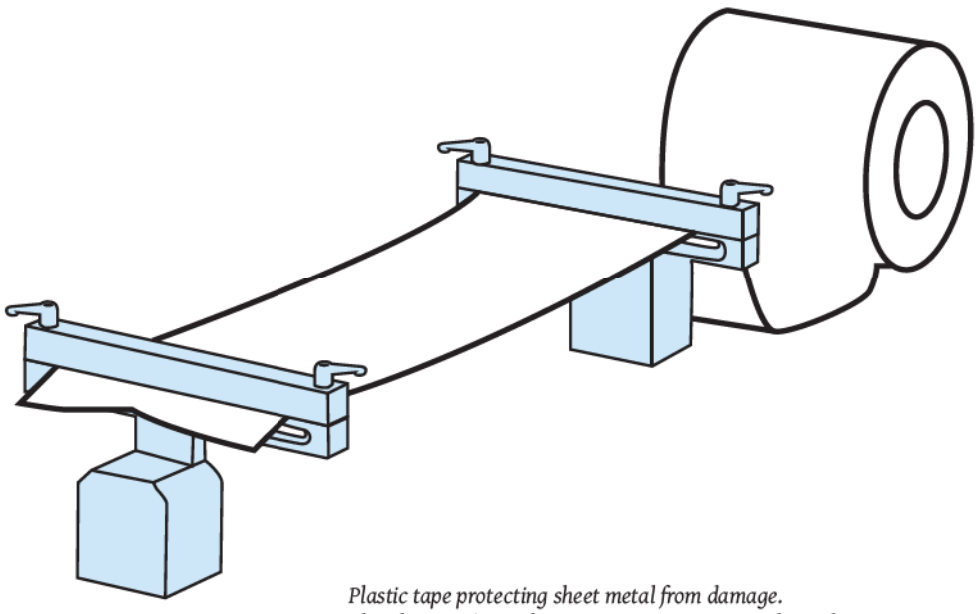
24h

Tape size
thicknes = 0.4 mm, width = 100 mm
thicknes = 0.5 mm, width = 105 mm
thicknes = 0.8 mm, width = 95 mm

Wymiary taśmy
grubość = 0.4 mm, szerokość = 100mm
grubość = 0.5 mm, szerokość = 105 mm
grubość = 0.8 mm, szerokość = 95 mm

Holder for protective tape
suitable for dies size 13 mm to 60 mm

Uchwyt do folii ochronnej
mocowanie do matryc od 13 do 60 mm



Plastic tape protecting sheet metal from damage.
Plastikowa taśma zabezpieczająca gięty materiał przed zarysowaniem.

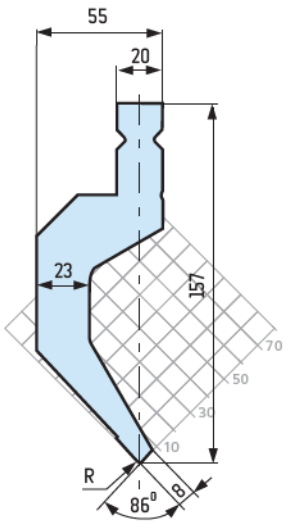
TYPE "T" PUNCHES | STEMPLE TYPU „T"

24h 42CrMo4

S 2200 80 t/m

$\alpha = 86^0$

$R = 1\ mm$

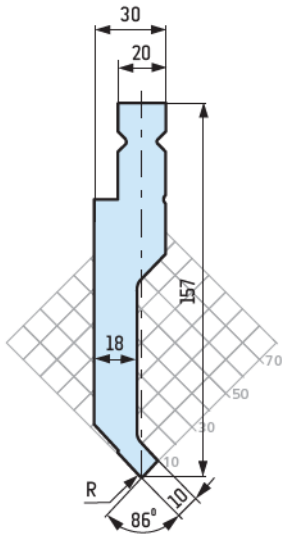


24h 42CrMo4

S 2201 80 t/m

$\alpha = 86^0$

$R = 1\ mm$

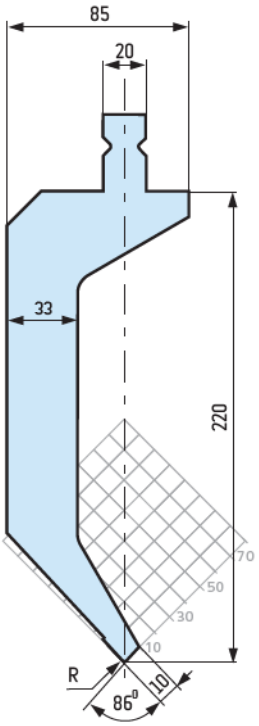


24h 42CrMo4

S 2200 W 80 t/m

$\alpha = 86^0$

$R = 1\ mm$

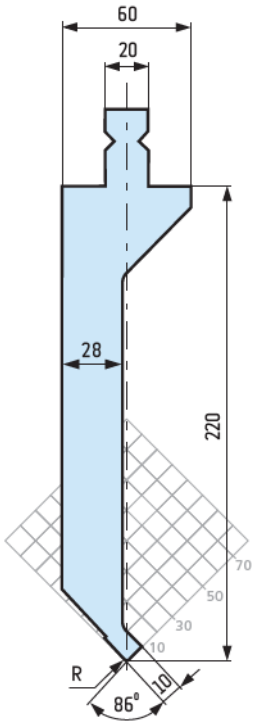


24h 42CrMo4

S 2201 W 80 t/m

$\alpha = 86^0$

$R = 1\ mm$

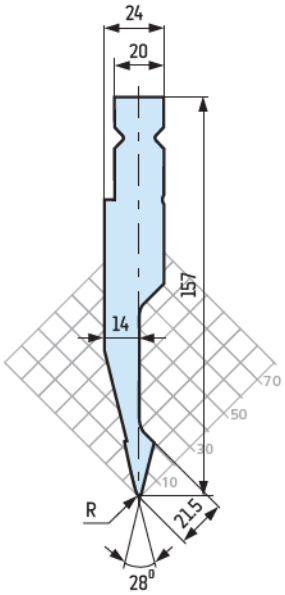


24h 42CrMo4

S 2202 60 t/m

$\alpha = 28^0$

$R = 1\ mm$

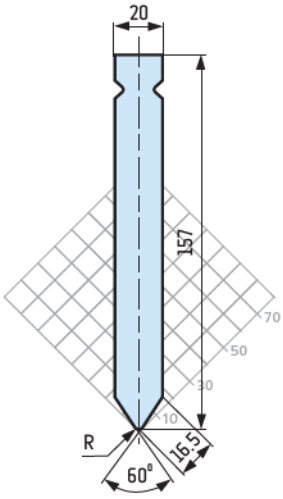


24h 42CrMo4

S 2203 130 t/m

$\alpha = 60^0$

$R = 4\ mm$

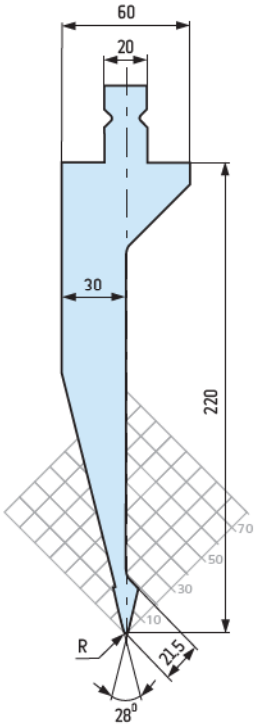


24h 42CrMo4

S 2202 W 60 t/m

$\alpha = 28^0$

$R = 1\ mm$

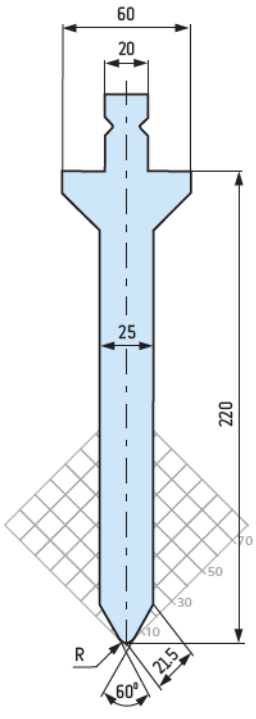


24h 42CrMo4

S 2203 W 130 t/m

$\alpha = 60^0$

$R = 4\ mm$



TYPE "T" PUNCHES | **STEMPLE TYPU „T"**

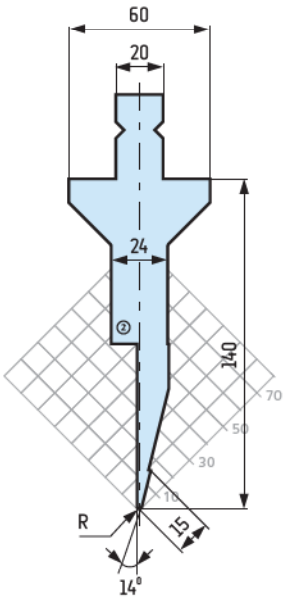
42CrMo4

S 2204 40 t/m

② 130 t/m

$\alpha = 14^0$

$R = 1\ mm$



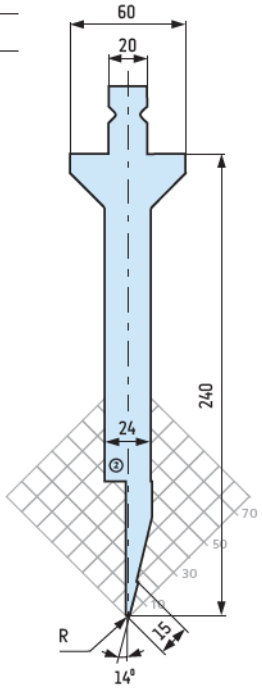
42CrMo4

S 2204 W 40 t/m

② 130 t/m

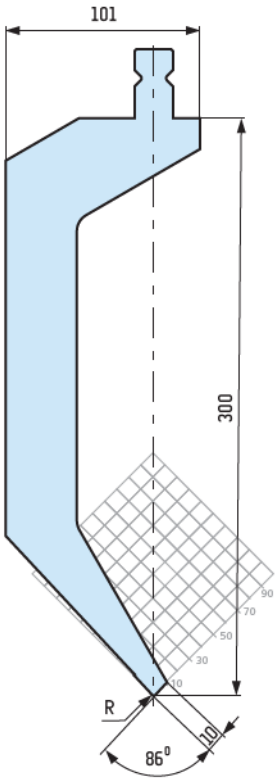
$\alpha = 14^0$

$R = 1\ mm$



42CrMo4

S 2300 W 80 t/m



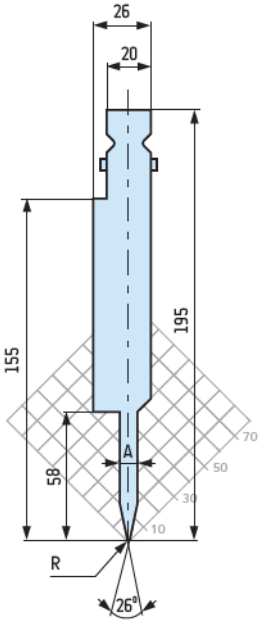
flattening tools | **zestaw do zagniatania**

42CrMo4

S 2205 80 t/m

$A = 8\ mm,\ 10\ mm,\ 12\ mm$

$R = 0.6\ mm$

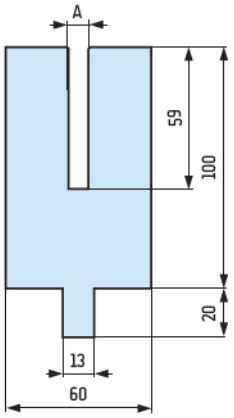


42CrMo4

M 2000 50 t/m

$A = 8\ mm,\ 10\ mm,\ 12\ mm$

$R = 0.6\ mm$

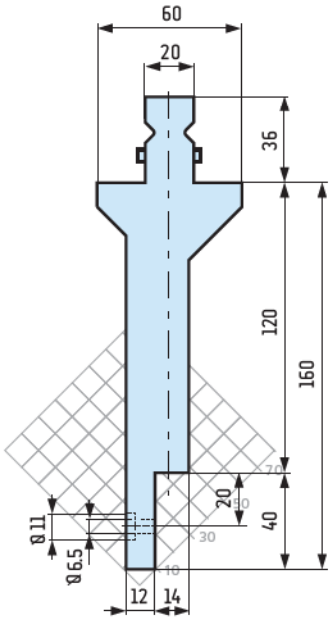


TYPE "T" PUNCHES | STEMPLE TYPU „T"

insert punch | stempel z wkładką

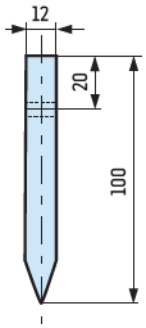
42CrMo4

S 2206 100 t/m



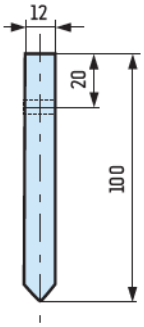
WKŁADKA R 0.3 – R 6

α = 28°



WKŁADKA R 0.2 – R 1.5

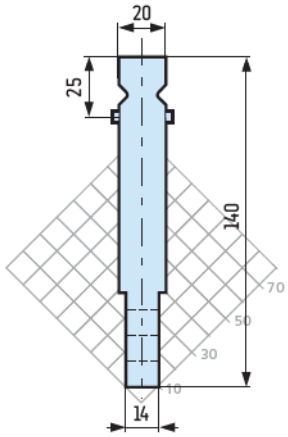
α = 84°, 86°, 90°



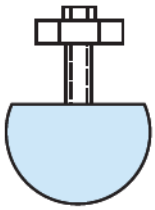
radius punch | stempel promieniowy

42CrMo4

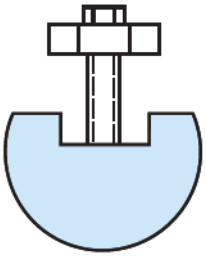
S 2207 80 t/m



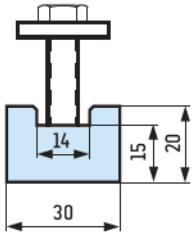
WKŁADKA R 7 – R 12



WKŁADKA R 12.5 – R 50

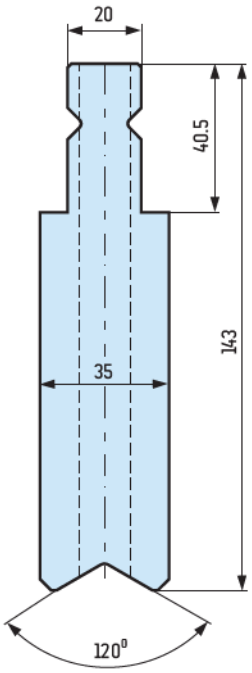


FLATTENING INSERT | **WKŁADKA PŁASKA**



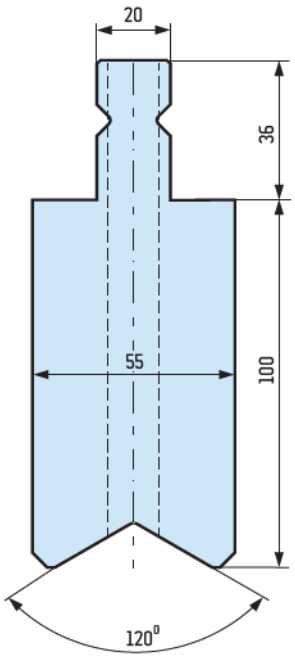
42CrMo4

S 2208 R 10 – R 25 100 t/m

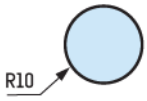


42CrMo4

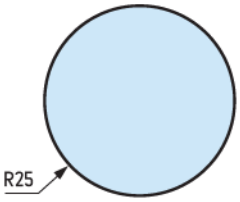
S 2208 W R 25 – R 75 100 t/m



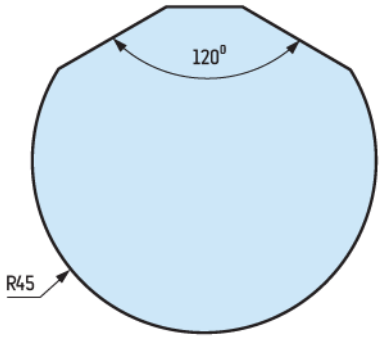
R 10



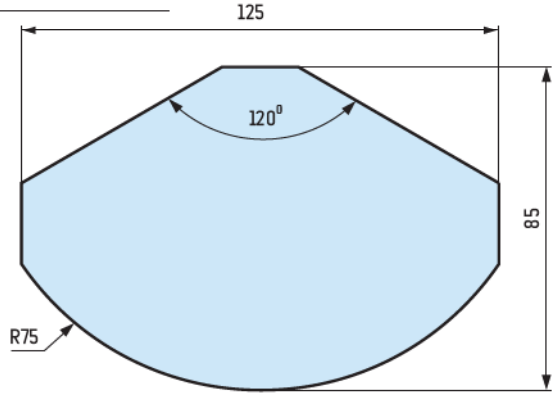
R 25



R 45



R 75



TYPE "T" DIES 100 MM | MATRYCE TYPU „T" 100 MM

42CrMo4
M 7106 100 t/m
A = 6 mm, B = 20 mm

42CrMo4
M 7108 100 t/m
A = 8 mm, B = 20 mm

42CrMo4
M 7110 100 t/m
A = 10 mm, B = 20 mm

42CrMo4
M 7112 100 t/m
A = 12 mm, B = 25 mm

42CrMo4
M 7116 100 t/m
A = 16 mm, B = 30 mm

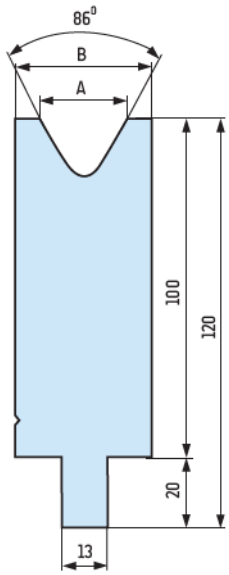
42CrMo4
M 7120 100 t/m
A = 20 mm, B = 30 mm

42CrMo4
M 7124 100 t/m
A = 24 mm, B = 35 mm

42CrMo4
M 7130 100 t/m
A = 30 mm, B = 45 mm

42CrMo4
M 7140 100 t/m
A = 40 mm, B = 55 mm

42CrMo4
M 7150 100 t/m
A = 50 mm, B = 75 mm



42CrMo4
M 7224 100 t/m
A = 24 mm, B = 35 mm

42CrMo4
M 7230 100 t/m
A = 30 mm, B = 45 mm

42CrMo4
M 7240 100 t/m
A = 40 mm, B = 55 mm

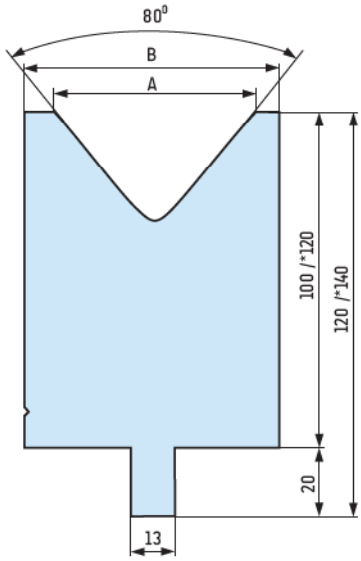
42CrMo4
M 7250 100 t/m
A =50 mm, B = 65 mm

42CrMo4
M 7260 100 t/m
A = 60 mm, B = 75 mm

42CrMo4
M 7280 100 t/m
A = 80 mm, B = 100 mm

42CrMo4
M 72100 100 t/m*
A = 100 mm, B = 120 mm
H = 120 mm

42CrMo4
M 72120 100 t/m**
A = 120 mm, B = 145 mm
H = 120 mm



42CrMo4
M 7306 50 t/m
A = 6 mm, B = 20 mm

42CrMo4
M 7308 40 t/m
A = 8 mm, B = 20 mm

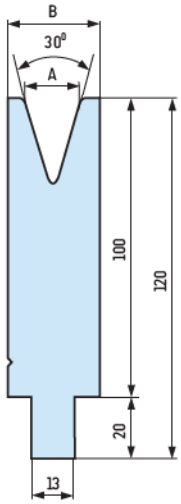
42CrMo4
M 7310 40 t/m
A = 10 mm, B = 20 mm

42CrMo4
M 7312 40 t/m
A = 12 mm, B = 25 mm

42CrMo4
M 7316 45 t/m
A = 16 mm, B = 30 mm

42CrMo4
M 7320 50 t/m
A = 20 mm, B = 35 mm

42CrMo4
M 7324 50 t/m
A = 24 mm, B = 40 mm



TYPE "T" DIES 55 MM | MATRYCE TYPU „T" 55 MM

42CrMo4

M 7406 100 t/m

α = 90°

A = 6 mm, B = 15 mm

42CrMo4

M 7408 100 t/m

α = 90°

A = 8 mm, B = 15 mm

42CrMo4

M 7410 100 t/m

α = 88°

A = 10 mm, B = 20 mm

42CrMo4

M 7412 100 t/m

α = 88°

A = 12 mm, B = 20 mm

42CrMo4

M 7416 100 t/m

α = 88°

A = 16 mm, B = 30 mm

42CrMo4

M 7420 100 t/m

α = 88°

A = 20 mm, B = 30 mm

42CrMo4

M 7424 100 t/m

α = 88°

A = 24 mm, B = 40 mm

42CrMo4

M 7432 100 t/m

α = 85°

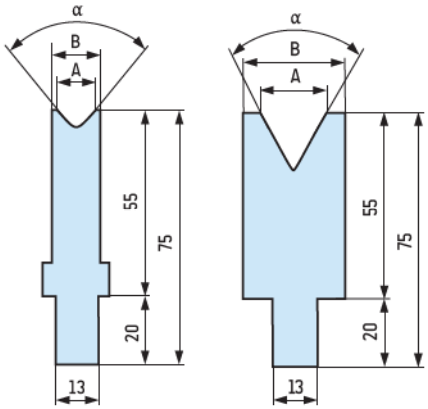
A = 32 mm, B = 50 mm

42CrMo4

M 7440 100 t/m

α = 85°

A = 40 mm, B = 55 mm



42CrMo4

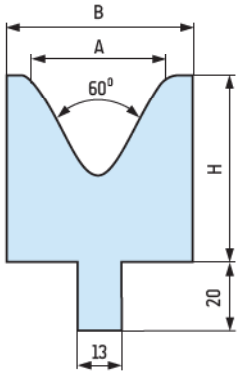
M 7540 80 t/m

A = 40 mm, B = 55 mm, H = 55 mm

42CrMo4

M 7560 60 t/m

A = 60 mm, B = 80 mm, H = 65 mm



42CrMo4

M 7606 35 t/m

A = 6 mm, B = 15 mm

42CrMo4

M 7608 35 t/m

A = 8 mm, B = 15 mm

42CrMo4

M 7610 40 t/m

A = 10 mm, B = 20 mm

42CrMo4

M 7612 40 t/m

A = 12 mm, B = 20 mm

42CrMo4

M 7616 45 t/m

A = 16 mm, B = 30 mm, H = 55 mm

42CrMo4

M 7620 50 t/m

A = 20 mm, B = 35 mm, H = 55 mm

42CrMo4

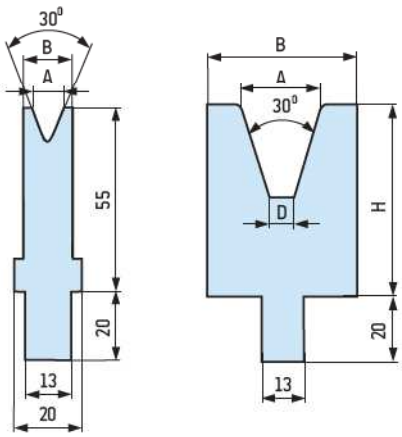
M 7624 50 t/m

A = 24 mm, B = 40 mm, H = 55 mm

42CrMo4

M 7632 50 t/m

A = 32 mm, B = 60 mm, H = 60 mm

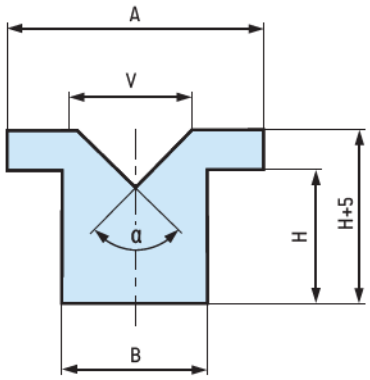


TYPE "T" DIES | MATRYCE TYPU „T"

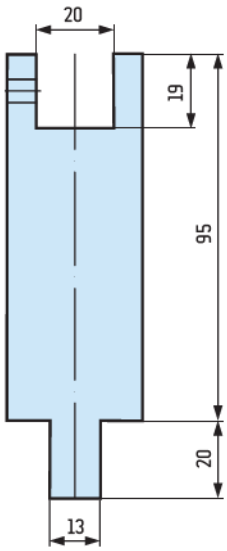
dies with plastic inserts | matryce z wkładkami poliamidowymi

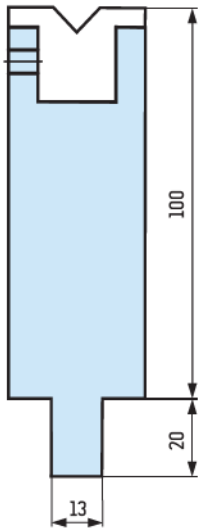
INSERT W 35-T | **WKŁADKA W 35-T** 20 t/m

B = 20 mm, H = 19 mm, A = 35 mm
α = 35°, V = 6 mm / 8 mm / 10 mm
α = 45°, V = 6 mm / 8 mm / 10 mm / 12 mm
α = 60°, V = 6 mm / 8 mm / 10 mm / 12 mm / 16 mm / 20 mm
α = 88°, V = 6 mm / 8 mm / 10 mm / 12 mm / 16 mm 20 mm / 25 mm



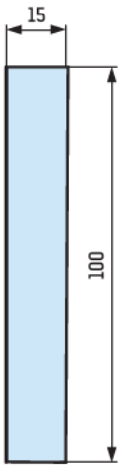
BODY | **KORPUS W 35-T**



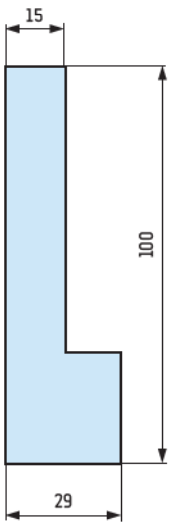


flattening inserts | wkładki do zapłaszczania

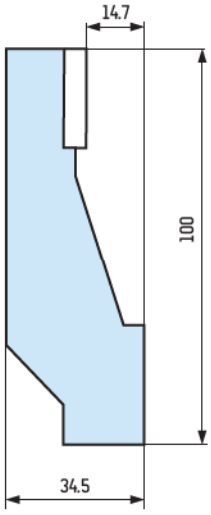
INSERT T 1 | **WKŁADKA T 1**



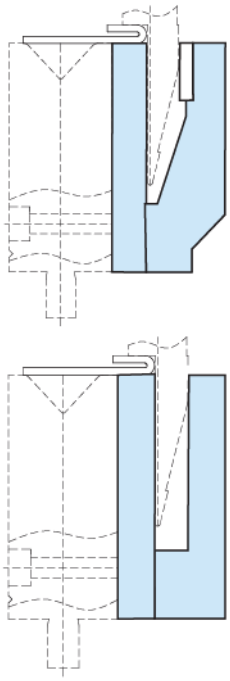
INSERT T 2 | **WKŁADKA T 2**



INSERT T 3 | **WKŁADKA T 3**



ASSAMBLE | **PRZYKŁAD MONTAZU**



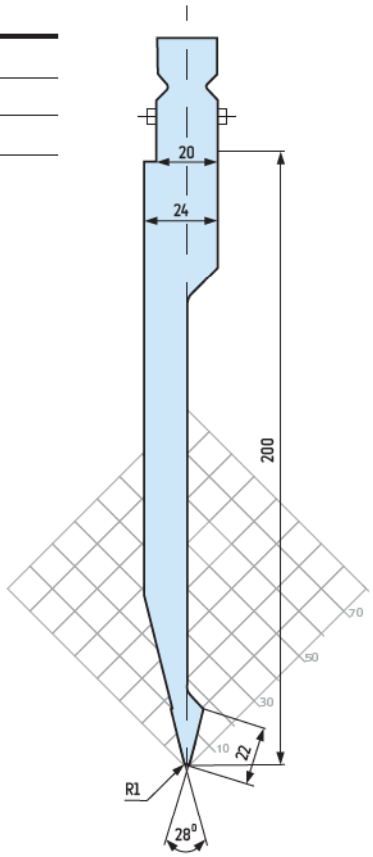
TYPE "W" PUNCHES | **STEMPLE TYPU „W"**

24h 42CrMo4

S 2231 60 t/m

$\alpha = 28^0$

$R = 1$ mm

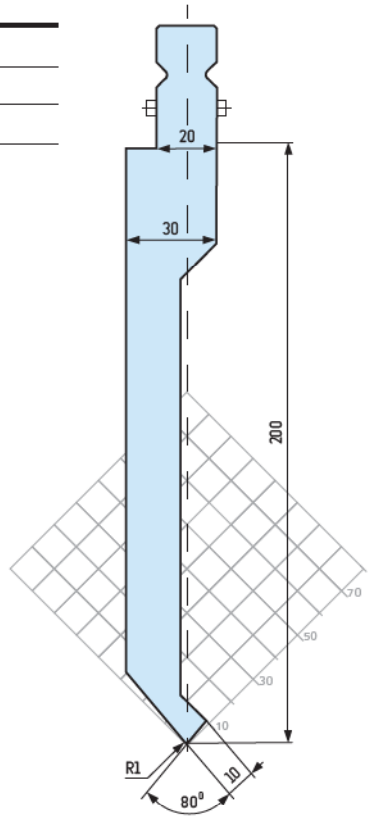


24h 42CrMo4

S 2232 70 t/m

$\alpha = 80^0$

$R = 1$ mm

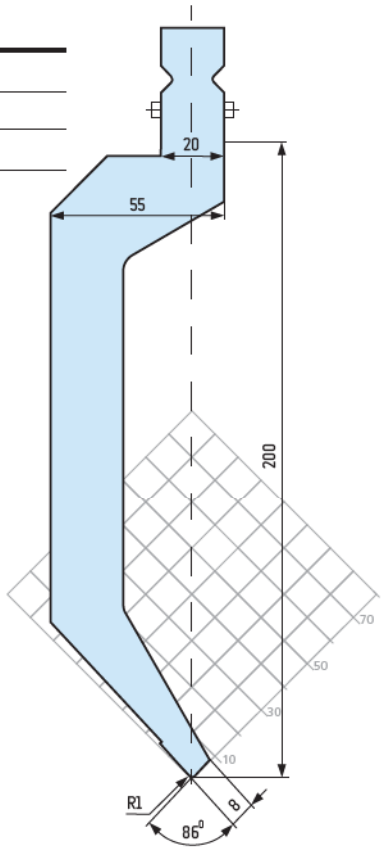


24h 42CrMo4

S 2233 50 t/m

$\alpha = 86^0$

$R = 1$ mm

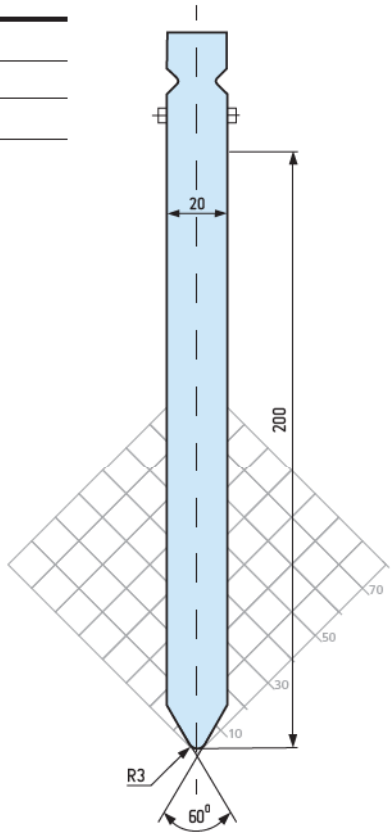


24h 42CrMo4

S 2234 160 t/m

$\alpha = 60^0$

$R = 3$ mm



TYPE "W" DIES 55 MM | MATRYCE TYPU „W" 55 MM

42CrMo4

M 7706 100 t/m

α = 86°

A = 6 mm, B = 16 mm

42CrMo4

M 7708 100 t/m

α = 86°

A = 8 mm, B = 16 mm

42CrMo4

M 7710 100 t/m

α = 86°

A = 10 mm, B = 20 mm

42CrMo4

M 7712 100 t/m

α = 86°

A = 12 mm, B = 20 mm

42CrMo4

M 7716 100 t/m

α = 86°

A = 16 mm, B = 25 mm

42CrMo4

M 7720 100 t/m

α = 86°

A = 20 mm, B = 30 mm

42CrMo4

M 7824 100 t/m

α = 80°

A = 24 mm, B = 35 mm

42CrMo4

M 7830 100 t/m

α = 80°

A = 30 mm, B = 40 mm

42CrMo4

M 7840 100 t/m

α = 80°

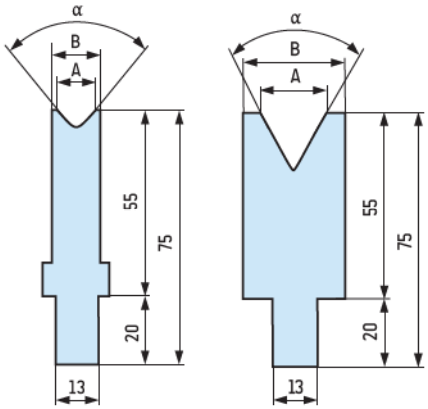
A = 40 mm, B = 50 mm

42CrMo4

M 7850 100 t/m

α = 80°

A = 50 mm, B = 75 mm



TYPE "T" DIES 55 MM | MATRYCE TYPU „T" 55 MM

42CrMo4

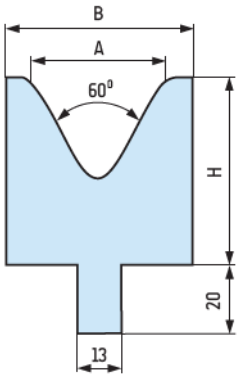
M 7540 80 t/m

A = 40 mm, B = 55 mm, H = 55 mm

42CrMo4

M 7560 60 t/m

A = 60 mm, B = 80 mm, H = 65 mm



42CrMo4

M 7606 35 t/m

A = 6 mm, B = 15 mm

42CrMo4

M 7608 35 t/m

A = 8 mm, B = 15 mm

42CrMo4

M 7610 40 t/m

A = 10 mm, B = 20 mm

42CrMo4

M 7612 40 t/m

A = 12 mm, B = 20 mm

42CrMo4

M 7616 45 t/m

A = 16 mm, B = 30 mm, H = 55 mm

42CrMo4

M 7620 50 t/m

A = 20 mm, B = 35 mm, H = 55 mm

42CrMo4

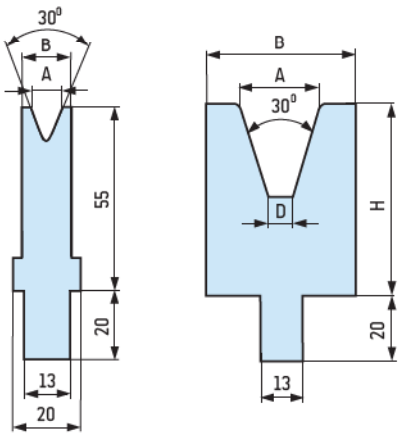
M 7624 50 t/m

A = 24 mm, B = 40 mm, H = 55 mm

42CrMo4

M 7632 50 t/m

A = 32 mm, B = 60 mm, H = 60 mm



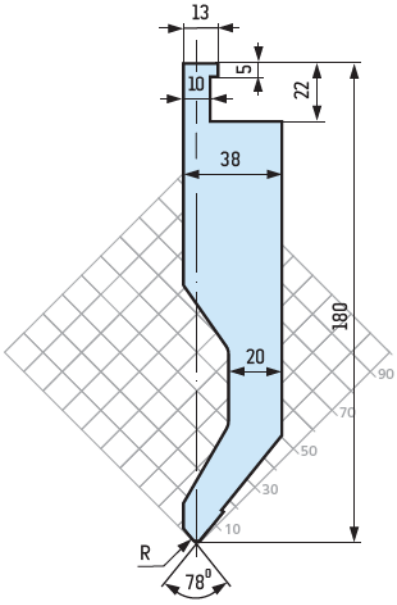
TYPE "L" PUNCHES | **STEMPLE TYPU „L"**

42CrMo4

S 2510 C 70 t/m

$\alpha = 78^0$

$R = 2\ mm$

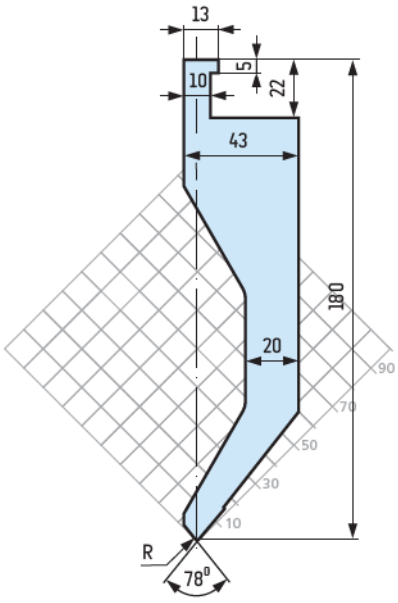


24h 42CrMo4

S 2510 D 40 t/m

$\alpha = 78^0$

$R = 1\ mm$

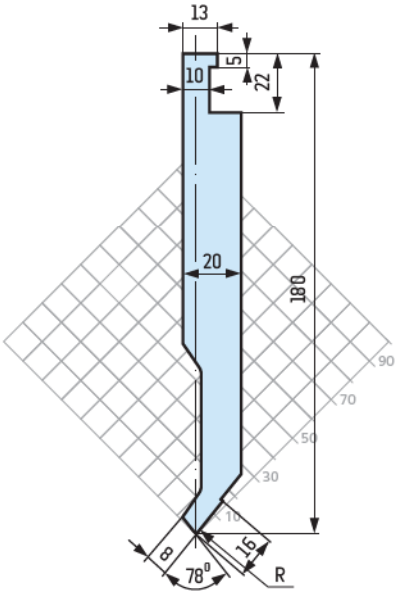


24h 42CrMo4

S 2510 E 40 t/m

$\alpha = 78^0$

$R = 1\ mm$

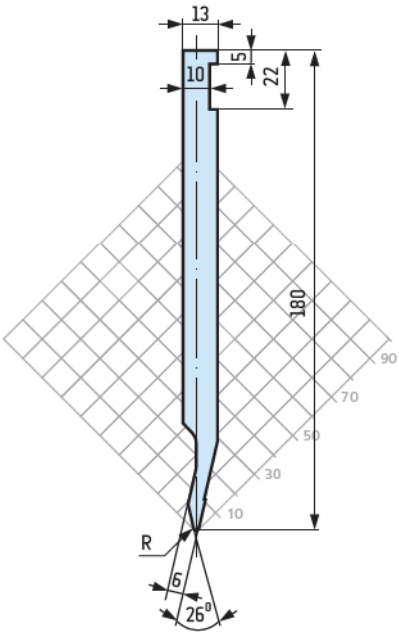


24h 42CrMo4

S 2510 F 40 t/m

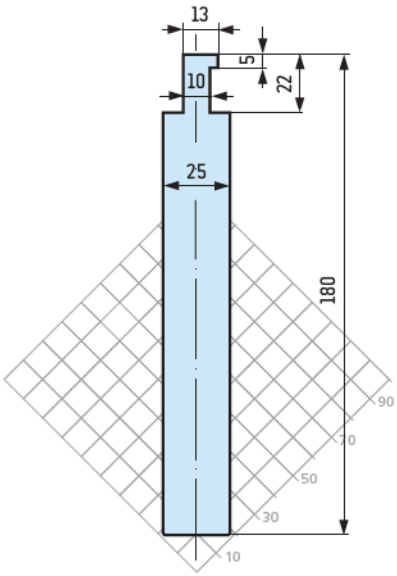
$\alpha = 26^0$

$R = 1\ mm$



42CrMo4

S 2510 H 150 t/m

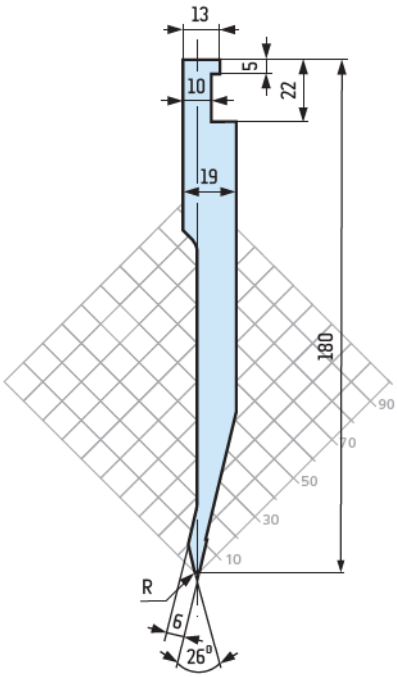


42CrMo4

S 2510 J 40 t/m

α = 26°

R = 1 mm



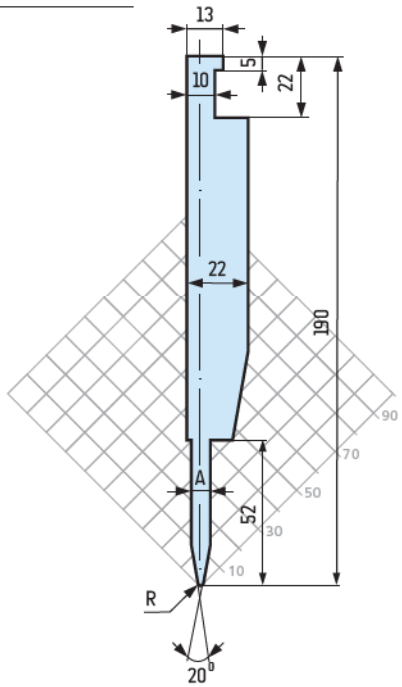
42CrMo4

S 2510 P 40 t/m

α = 20°

R = 1 mm

A = 8 mm, 10 mm, 12 mm

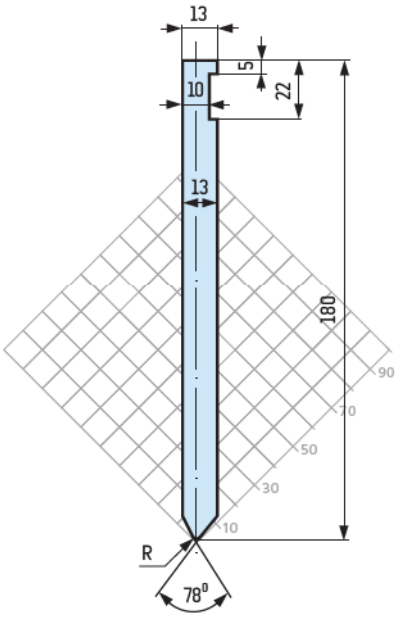


42CrMo4

S 2510 R 80 t/m

α = 78°

R = 2 mm



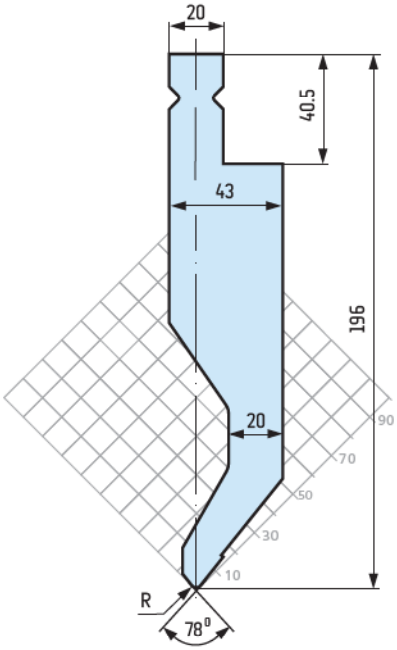
TYPE "L" PUNCHES | **STEMPLE TYPU „L"**

42CrMo4

S 2610 C 70 t/m

$\alpha = 78^0$

$R = 2\ mm$

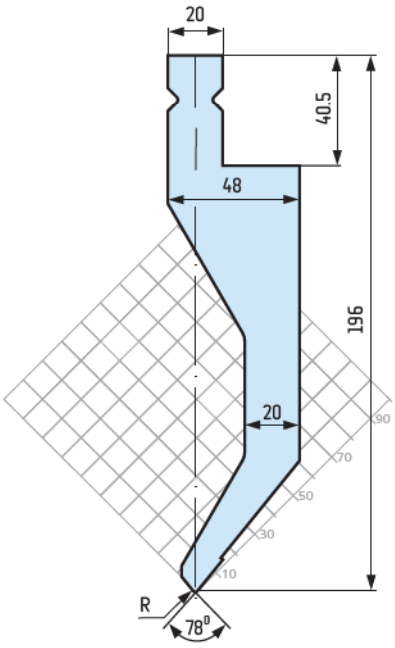


42CrMo4

S 2610 D 40 t/m

$\alpha = 78^0$

$R = 1\ mm$

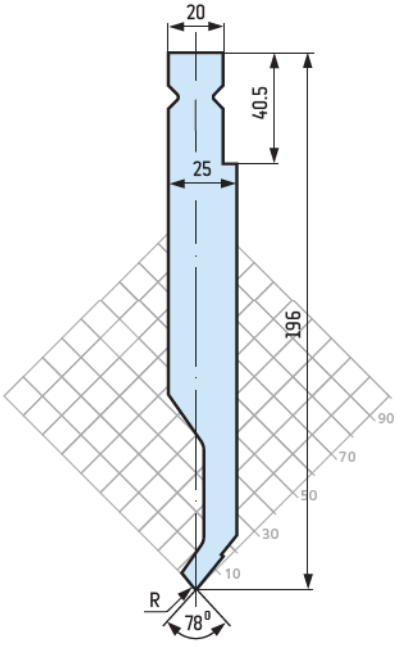


42CrMo4

S 2610 E 40 t/m

$\alpha = 78^0$

$R = 1\ mm$

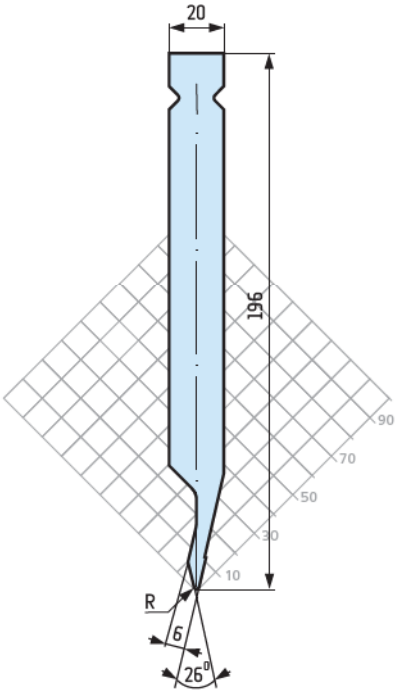


42CrMo4

S 2610 F 40 t/m

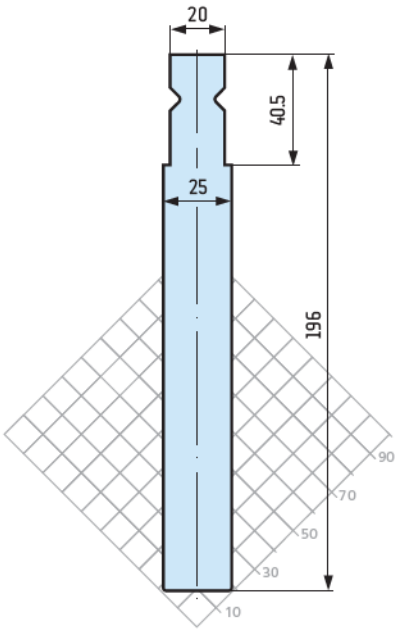
$\alpha = 26^0$

$R = 1\ mm$



42CrMo4

S 2610 H 160 t/m

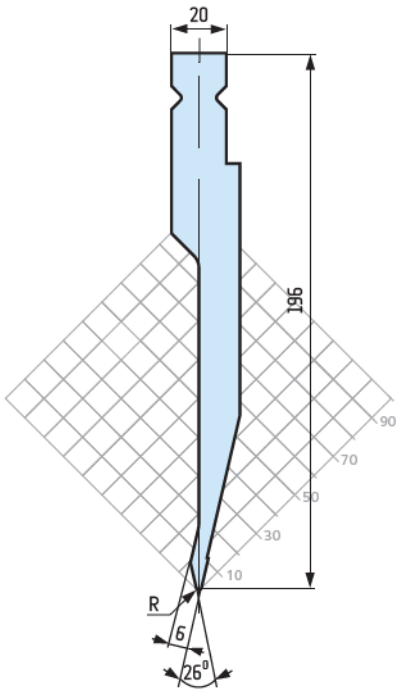


42CrMo4

S 2610 J 40 t/m

α = 26°

R = 1 mm



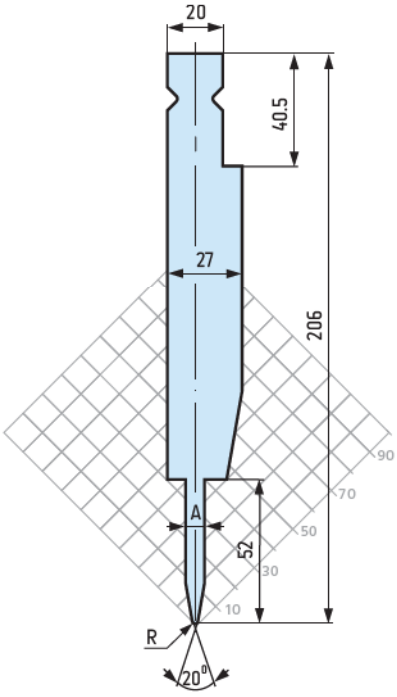
42CrMo4

S 2610 P 40 t/m

α = 20°

R = 1 mm

A = 8 mm, 10 mm, 12 mm

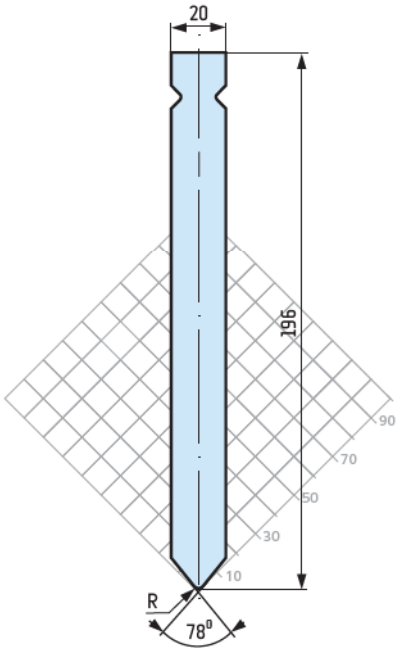


42CrMo4

S 2610 R 80 t/m

α = 78°

R = 2 mm



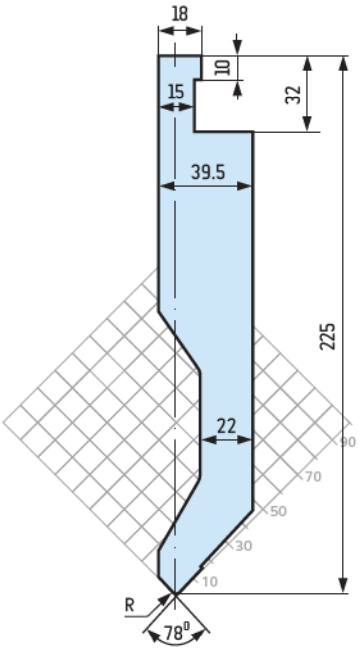
TYPE "L" PUNCHES | **STEMPLE TYPU „L"**

42CrMo4

S 2515 C 80 t/m

$\alpha = 78^0$

$R = 2\ mm$

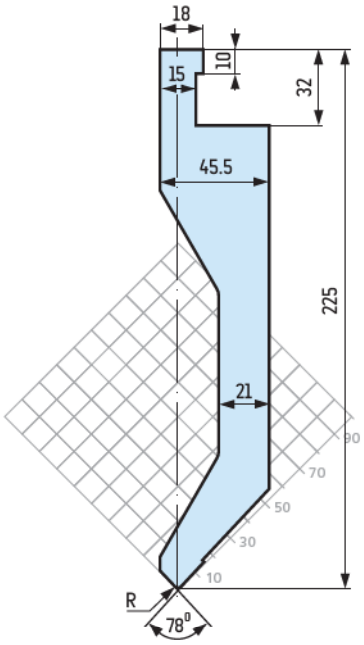


42CrMo4

S 2515 D 75 t/m

$\alpha = 78^0$

$R = 2\ mm$

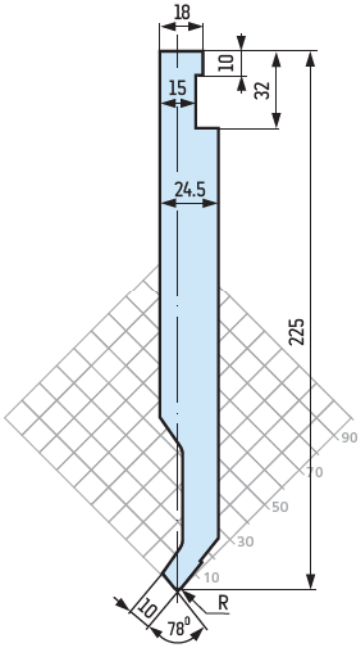


42CrMo4

S 2515 E 50 t/m

$\alpha = 78^0$

$R = 2\ mm$

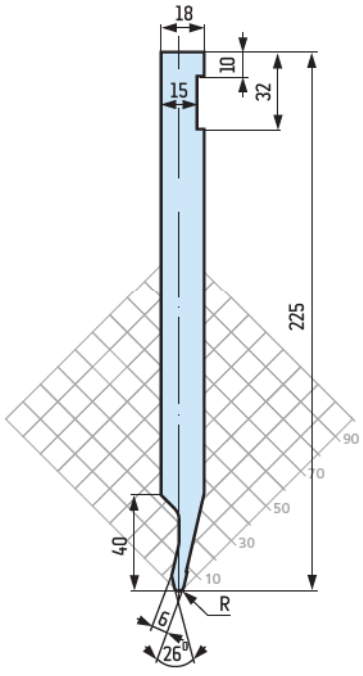


42CrMo4

S 2515 F 50 t/m

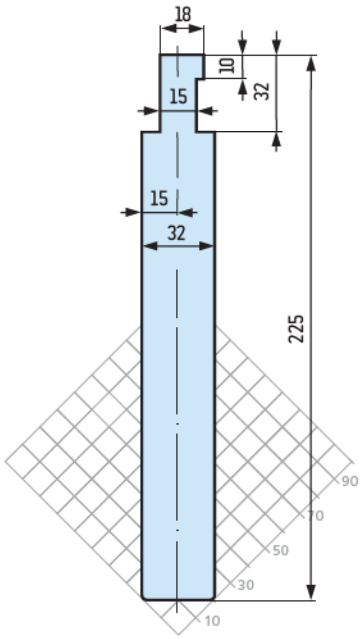
$\alpha = 26^0$

$R = 2\ mm$



42CrMo4

S 2515 H 150 t/m

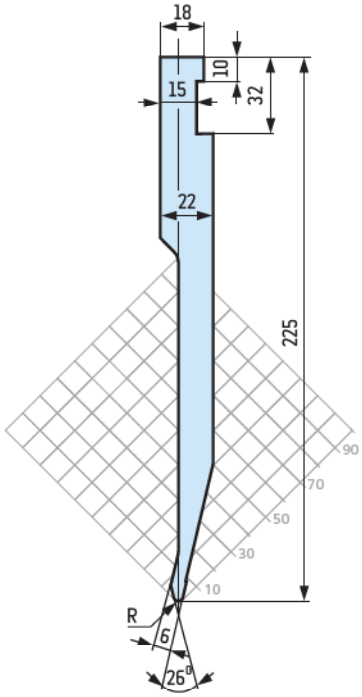


42CrMo4

S 2515 J 50 t/m

α = 26°

R = 2 mm



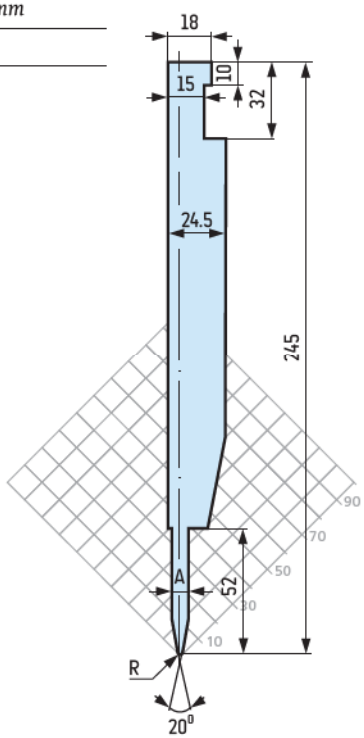
42CrMo4

S 2515 P 40 t/m

α = 20°

A = 8 mm, 10 mm, 12 mm

R = 1 mm

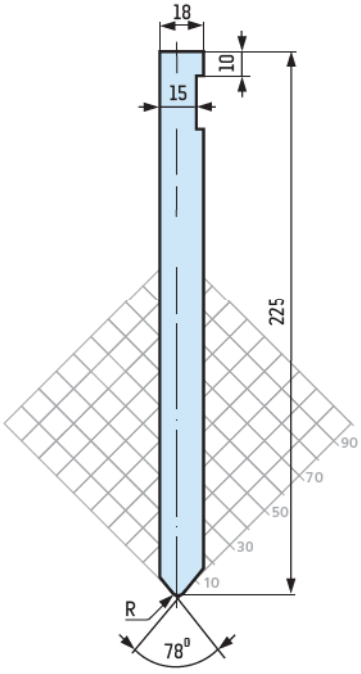


42CrMo4

S 2515 R 120 t/m

α = 78°

R = 2 mm



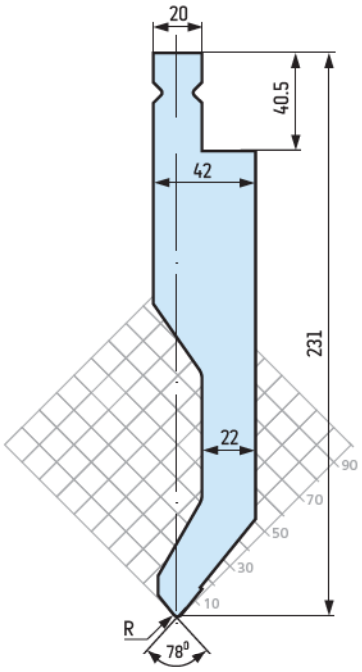
TYPE "L" PUNCHES | **STEMPLE TYPU „L"**

42CrMo4

S 2615 C 80 t/m

$\alpha = 78^0$

$R = 2\ mm$

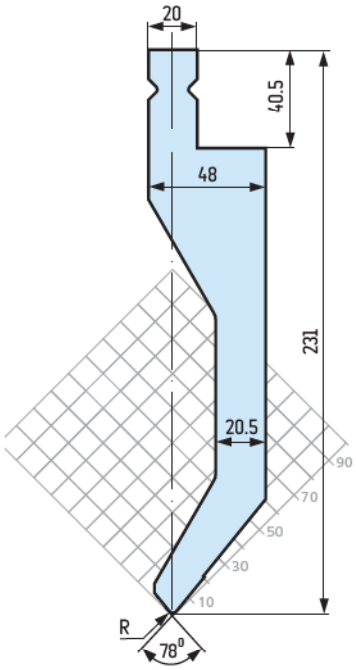


42CrMo4

S 2615 D 75 t/m

$\alpha = 78^0$

$R = 2\ mm$

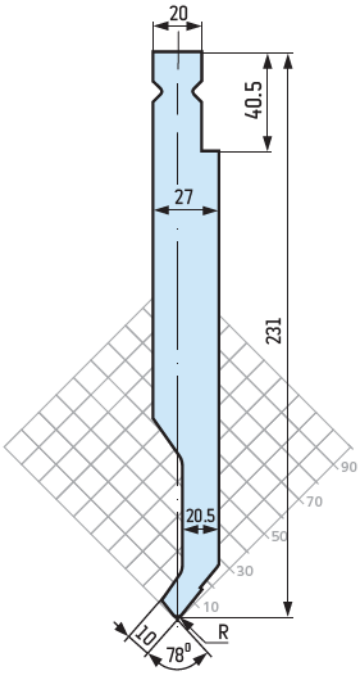


42CrMo4

S 2615 E 50 t/m

$\alpha = 78^0$

$R = 2\ mm$

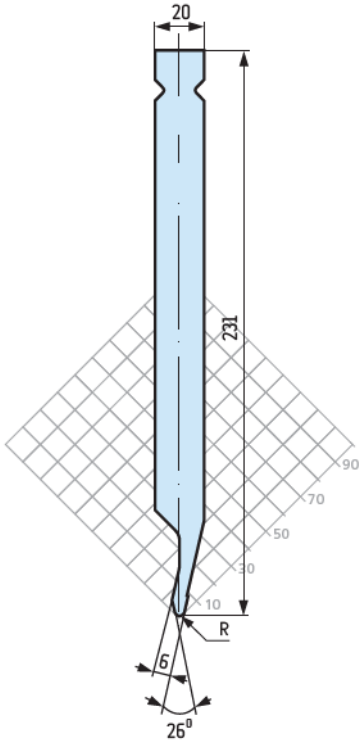


42CrMo4

S 2615 F 50 t/m

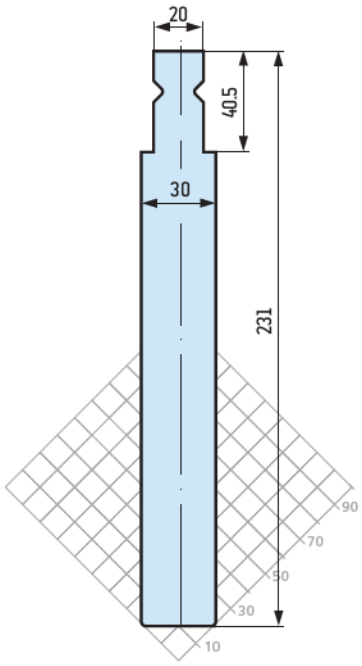
$\alpha = 26^0$

$R = 2\ mm$



42CrMo4

S 2615 H 150 t/m

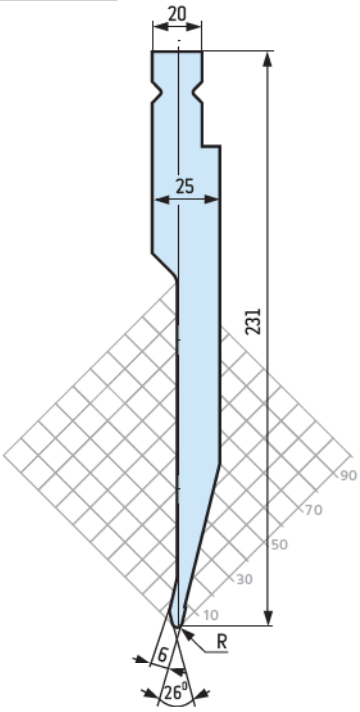


42CrMo4

S 2615 J 50 t/m

α = 26°

R = 2 mm



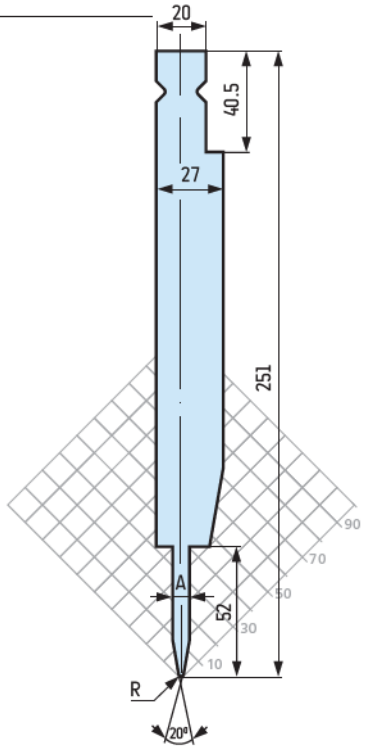
42CrMo4

S 2615 P 40 t/m

α = 20°

A = 8 mm, 10 mm, 12 mm

R = 1 mm

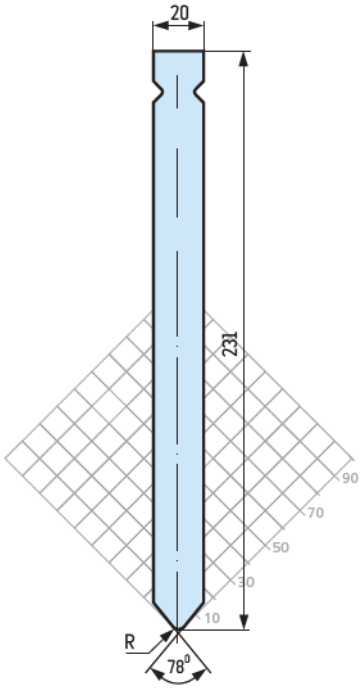


42CrMo4

S 2615 R 120 t/m

α = 78°

R = 3 mm



TYPE "L" DIES 90 MM | MATRYCE TYPU „L" 90 MM

42CrMo4

M 5106 20 t/m

A = 6 mm, B = 16 mm, C = 32 mm

42CrMo4

M 5108 20 t/m

A = 8 mm, B = 18 mm, C = 32 mm

42CrMo4

M 5110 30 t/m

A = 10 mm, B = 25 mm, C = 32 mm

42CrMo4

M 5112 35 t/m

A = 12 mm, B = 25 mm, C = 32 mm

42CrMo4

M 5116 35 t/m

A = 16 mm, B = 32 mm, C = 32 mm

42CrMo4

M 5120 35 t/m

A = 20 mm, B = 40 mm, C = 40 mm

42CrMo4

M 5124 55 t/m

A = 24 mm, B = 45 mm, C = 45 mm

42CrMo4

M 5130 60 t/m

A = 30 mm, B = 70 mm, C = 70 mm

42CrMo4

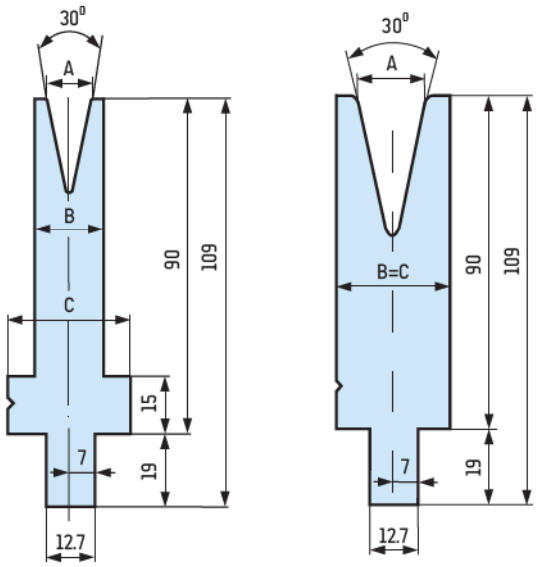
M 5140 60 t/m

A = 40 mm, B = 75 mm, C = 75 mm

42CrMo4

M 5150 80 t/m

A = 50 mm, B = 95 mm, C = 95 mm



42CrMo4

M 5206 40 t/m

A = 6 mm, B = 12 mm, C = 32 mm

42CrMo4

M 5208 40 t/m

A = 8 mm, B = 12 mm, C = 32 mm

42CrMo4

M 5210 50 t/m

A = 10 mm, B = 14 mm, C = 32 mm

42CrMo4

M 5212 60 t/m

A = 12 mm, B = 18 mm, C = 32 mm

42CrMo4

M 5216 80 t/m

A = 16 mm, B = 25 mm, C = 32 mm

42CrMo4

M 5220 100 t/m

A = 20 mm, B = 32 mm, C = 32 mm

42CrMo4

M 5224 100 t/m

A = 24 mm, B = 32 mm, C = 32 mm

42CrMo4

M 5230 110 t/m

A = 30 mm, B = 40 mm, C = 40 mm

42CrMo4

M 5240 130 t/m

A = 40 mm, B = 50 mm, C = 50 mm

42CrMo4

M 5250 150 t/m

A = 50 mm, B = 70 mm, C = 70 mm

42CrMo4

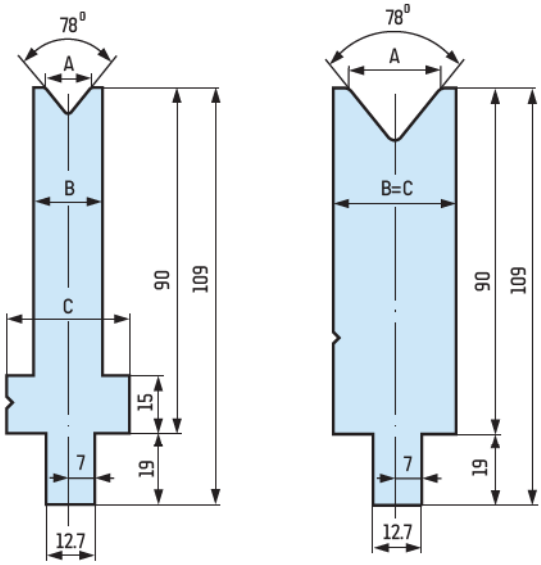
M 5260 150 t/m

A = 60 mm, B = 70 mm, C = 70 mm

42CrMo4

M 5280 150 t/m

A = 80 mm, B = 95 mm, C = 95 mm



TYPE "L" DIES 130 MM | MATRYCE TYPU „L" 130 MM

42CrMo4

M 5306 20 t/m

A = 6 mm, B = 16 mm, C = 32 mm

42CrMo4

M 5308 20 t/m

A = 8 mm, B = 18 mm, C = 32 mm

42CrMo4

M 5310 30 t/m

A = 10 mm, B = 25 mm, C = 32 mm

42CrMo4

M 5312 35 t/m

A = 12 mm, B = 25 mm, C = 32 mm

42CrMo4

M 5316 35 t/m

A = 16 mm, B = 32 mm, C = 32 mm

42CrMo4

M 5320 35 t/m

A = 20 mm, B = 40 mm, C = 40 mm

42CrMo4

M 5324 55 t/m

A = 24 mm, B = 45 mm, C = 45 mm

42CrMo4

M 5330 60 t/m

A = 30 mm, B = 70 mm, C = 70 mm

42CrMo4

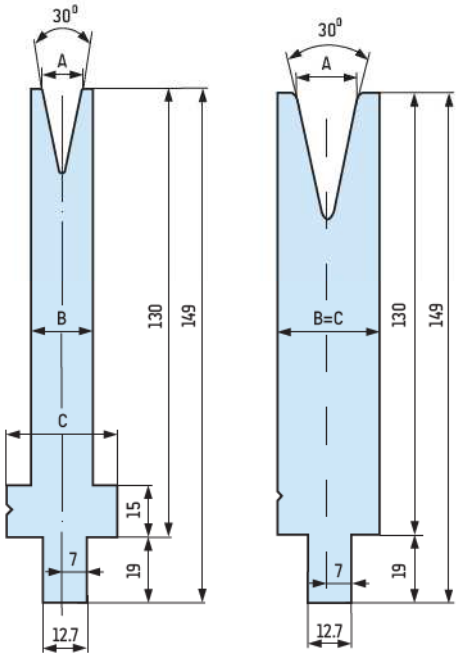
M 5340 60 t/m

A = 40 mm, B = 75 mm, C = 75 mm

42CrMo4

M 5350 70 t/m

A = 50 mm, B = 95 mm, C = 95 mm



42CrMo4

M 5406 40 t/m

A = 6 mm, B = 12 mm, C = 32 mm

42CrMo4

M 5408 40 t/m

A = 8 mm, B = 12 mm, C = 32 mm

42CrMo4

M 5410 50 t/m

A = 10 mm, B = 14 mm, C = 32 mm

42CrMo4

M 5412 60 t/m

A = 12 mm, B = 18 mm, C = 32 mm

42CrMo4

M 5416 80 t/m

A = 16 mm, B = 25 mm, C = 32 mm

42CrMo4

M 5420 100 t/m

A = 20 mm, B = 32 mm, C = 32 mm

42CrMo4

M 5424 100 t/m

A = 24 mm, B = 32 mm, C = 32 mm

42CrMo4

M 5430 110 t/m

A = 30 mm, B = 40 mm, C = 40 mm

42CrMo4

M 5440 130 t/m

A = 40 mm, B = 50 mm, C = 50 mm

42CrMo4

M 5450 150 t/m

A = 50 mm, B = 70 mm, C = 70 mm

42CrMo4

M 5460 150 t/m

A = 60 mm, B = 70 mm, C = 70 mm

42CrMo4

M 5480 150 t/m

A = 80 mm, B = 95 mm, C = 95 mm

42CrMo4

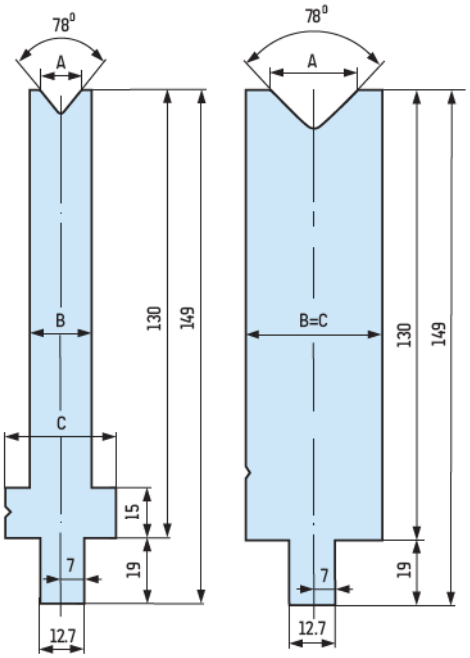
M 54100 150 t/m

A = 100 mm, B = 120 mm, C = 120 mm

42CrMo4

M 54120 150 t/m

A = 120 mm, B = 140 mm, C = 140 mm

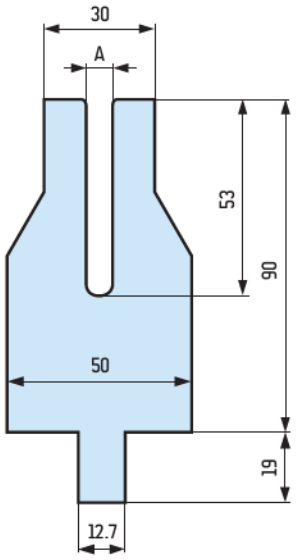


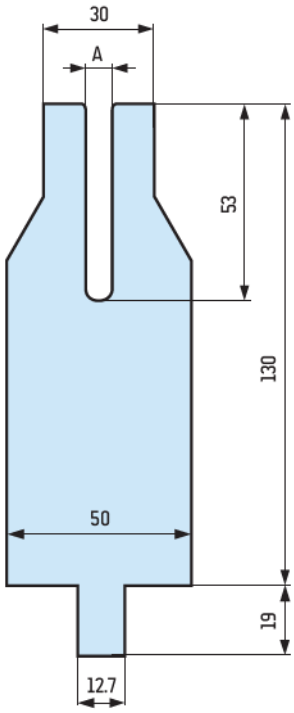
TYPE "L" DIES | MATRYCE TYPU „L"

flattening dies | matryce do zagniatania

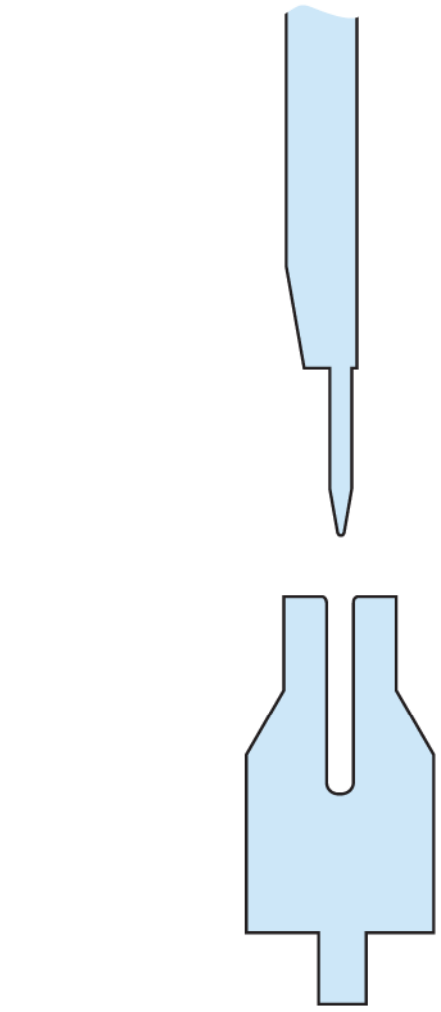
42CrMo4

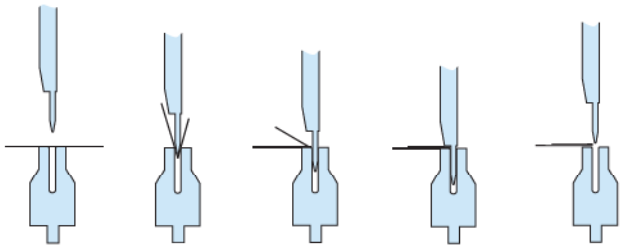
M 5000 50 t/m
A = 8 mm, 10 mm, 12 mm
R = 1 mm
H = 90 mm, 130 mm





example of use | przykład zastosowania





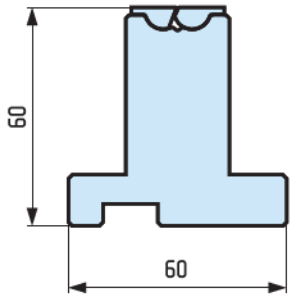
Dies M5000 are used together with punches S2510 P, S2610 P, S2515 P or S2615 P.

Do matryc M5000 stosujemy stemple S2510 P, S2610 P, S2515 P lub S2615 P.

dies with movable inserts | matryce z ruchomymi wkładkami

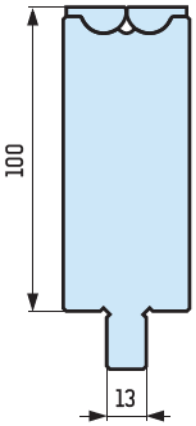
RVP 60-1

L = 100 mm, 440 mm, 500 mm



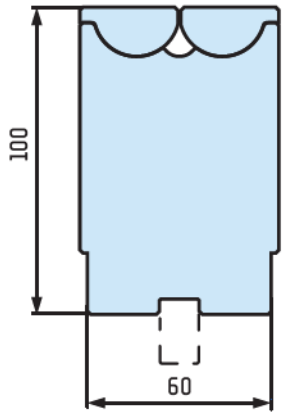
RVT 100-2

L = 100 mm, 440 mm, 500 mm



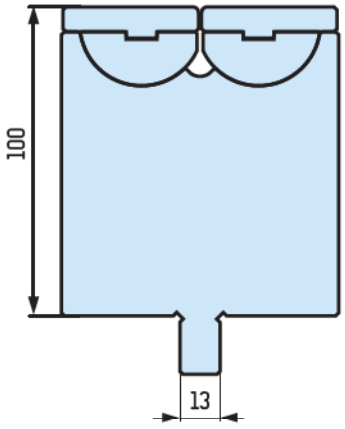
RVM 2.5

L = 100 mm, 470 mm, 500 mm



RVT 100-3

L = 100 mm, 455 mm, 500 mm



Dies created for mark-free bending of stainless and coated steel. Thanks to continous suport they allow use on short bending arms, and next to holes.

Matryce przeznaczone do gięcia bezśladowego blachy nierdzewnej i powlekanej. Dzięki stałemu podparciu umożliwiają gięcie blach o krótkich ramionach, i w sąsiedztwie otworów.

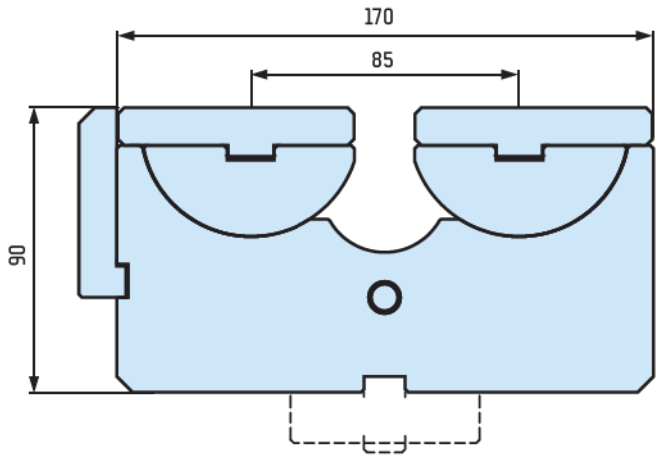
Different sizes of dies available. Dies can be offered with: 60 mm – type A, 13 mm – type T and W and 12.7 mm – type L holding type. Length of a single section – up to 500 mm.

Możliwość wykonania różnej wielkości matryc. Dostępne uchwyty matryc: 60 mm – typ A, 13 mm – typy T i W oraz 12.7 mm – typ L. Długość pojedynczego segmentu do 500 mm.

dies with movable inserts | matryce z ruchomymi wkładkami

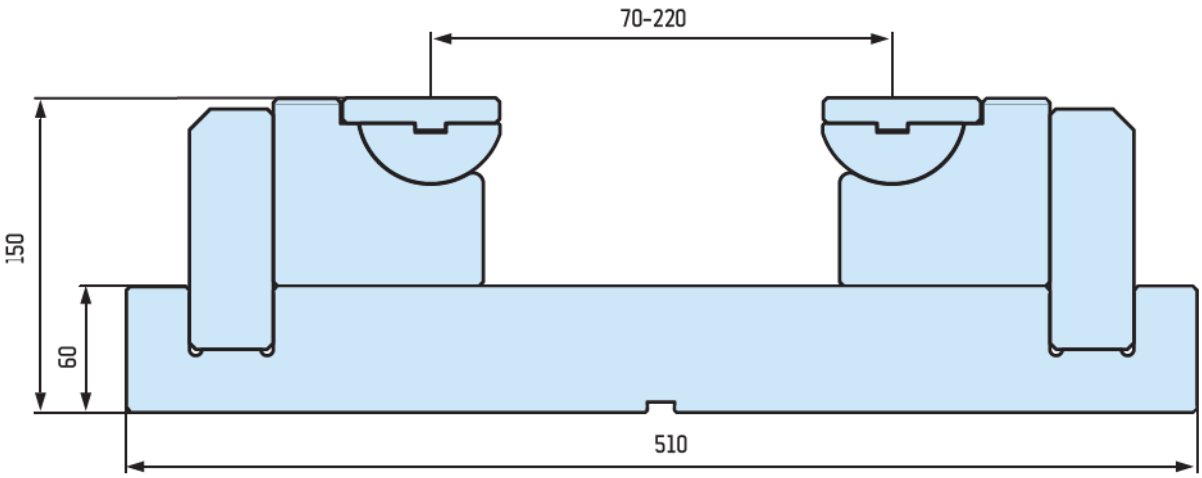
RVM 4

L = 200 mm, 500 mm

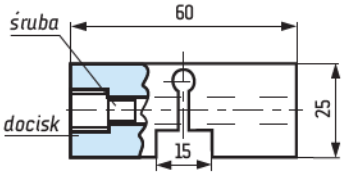


RVHD 4

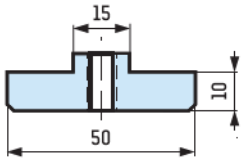
L = 200 mm, 500 mm



2 V



A



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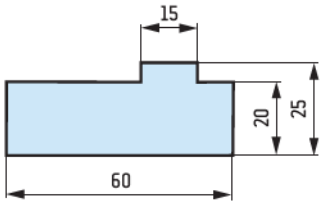
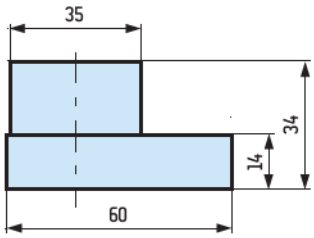
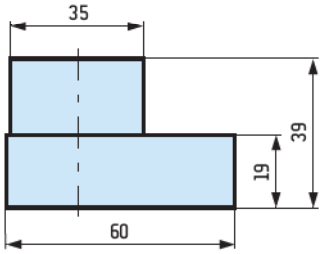


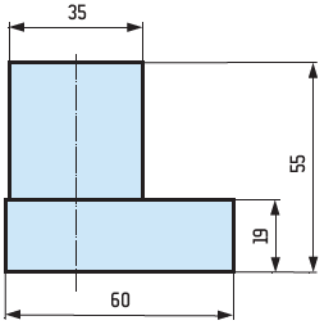
A 34



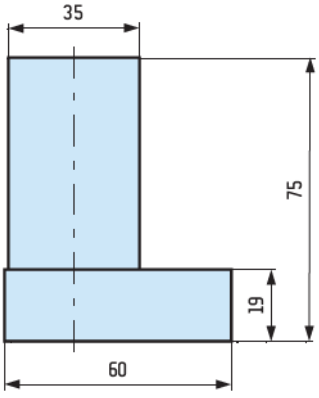
A 39



A 55

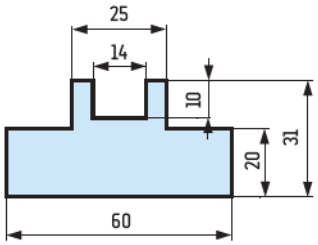


A 75



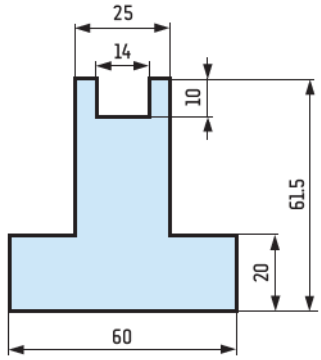
A 31

L = 835 mm



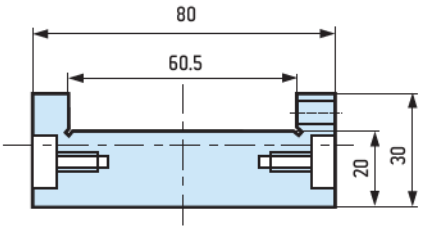
A 61

L = 835 mm



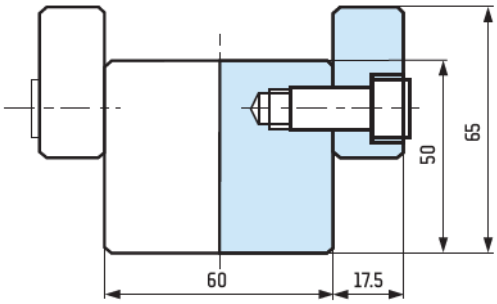
B 60

L = 1050 mm



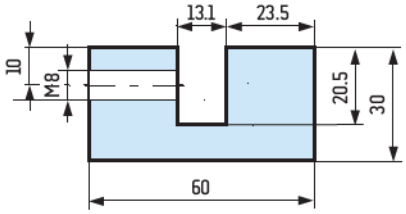
C 60

L = 835 mm



D 30

L = 1000 mm



D 60

L = 1000 mm