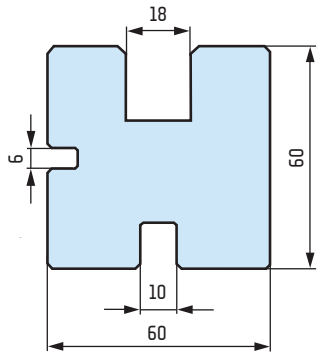
# TYPE "A" DIES | MATRYCE TYPU „A"

## multiple vee dies | matryce wielorowkowe

24h

**MR** 100 t/m




24h

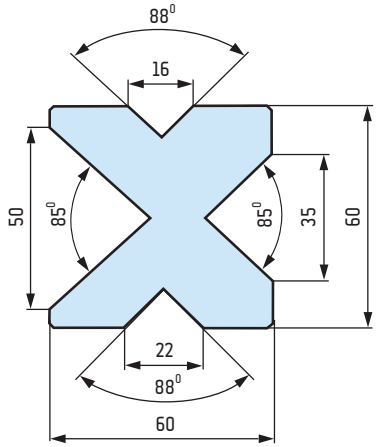
**M 4** 80 t/m

*α = 85⁰, 88⁰*

42CrMo4

**M 4** 80 t/m

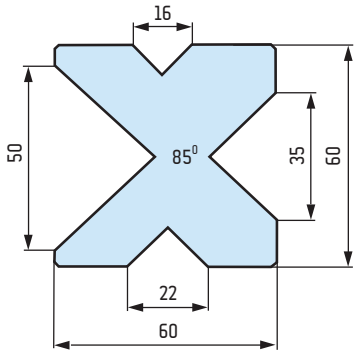
*α = 85⁰, 88⁰*




24h

**M 4/85⁰** 80 t/m

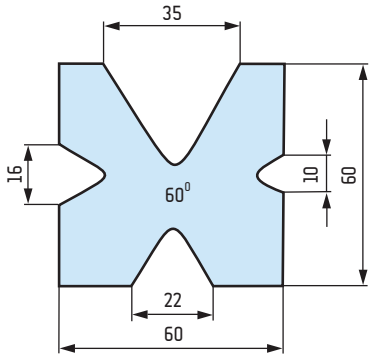
*α = 85⁰*




24h

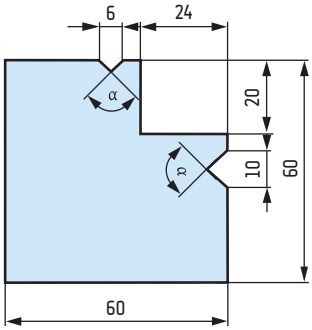
**M 4/60⁰** 60 t/m

*α = 60⁰*



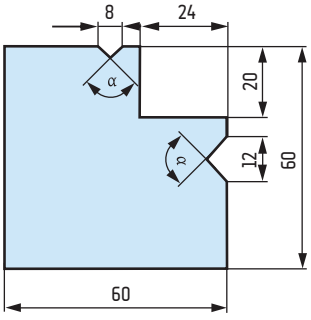

**M 2/6 – 10** 100 t/m

*α = 90⁰*




**M 2/8 –12** 100 t/m

*α = 90⁰*



# TYPE "A" DIES | **MATRYCE TYPU „A"**

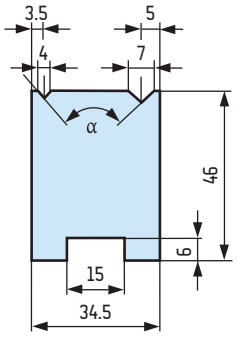
## with groove | **rowkowe**

**M 6019** 100 t/m

*α = 90°*

**M 6119** 80 t/m

*α = 88°*




**M 6020** 80 t/m

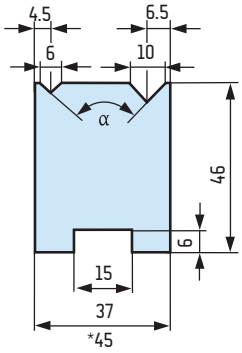
*α = 90°*

**M 6120** 80 t/m

*α = 88°*

**M 6220** 35 t/m*

*α = 30°*




**M 6021** 80 t/m

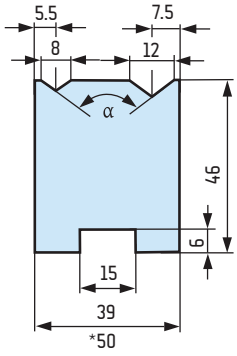
*α = 90°*

**M 6121** 80 t/m

*α = 88°*

**M 6221** 40 t/m

*α = 30°*

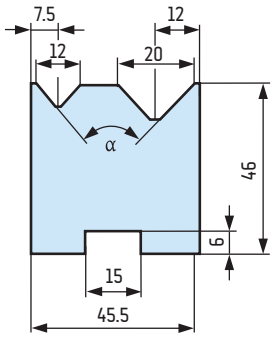



**M 6022** 80 t/m

*α = 90°*

**M 6122** 80 t/m

*α = 88°*

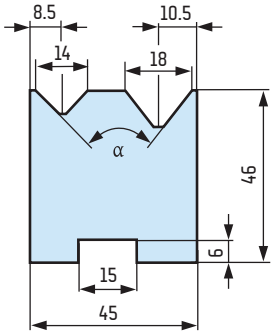



**M 6023** 80 t/m

*α = 90°*

**M 6123** 80 t/m

*α = 88°*

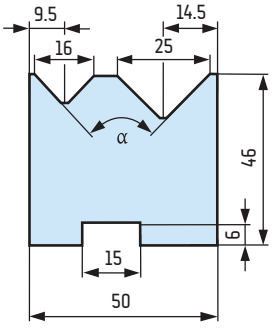



**M 6024** 80 t/m

*α = 90°*

**M 6124** 80 t/m

*α = 88°*

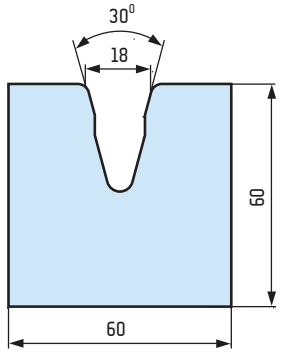


## 1V dies | **matryce 1V**

### M 3330/18

*α = 30⁰*

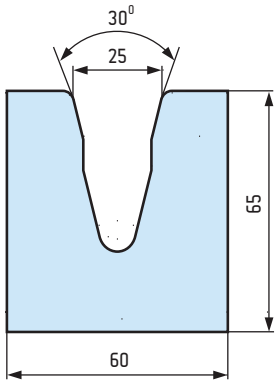
*V = 18 mm*




### M 3330/25

*α = 30⁰*

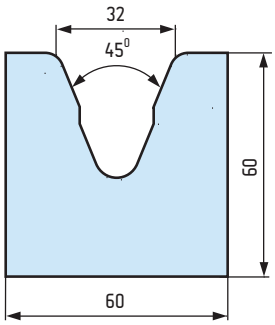
*V = 25 mm*




### M 3345/32

*α = 45⁰*

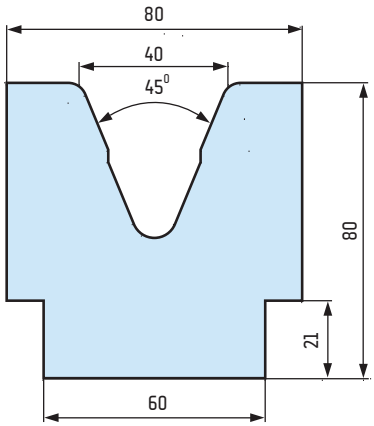
*V = 32 mm*




### M 3345/40

*α = 45⁰*

*V = 40 mm*



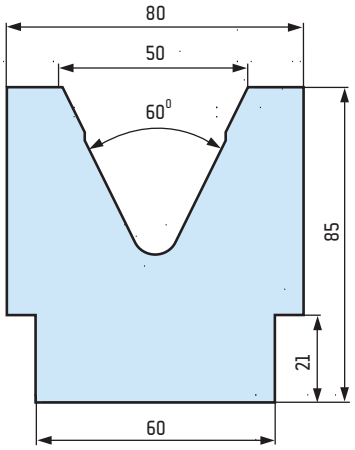
# TYPE "A" DIES | MATRYCE TYPU „A"

## 1V dies | matryce 1V

### M 3360/50

*α = 60⁰*

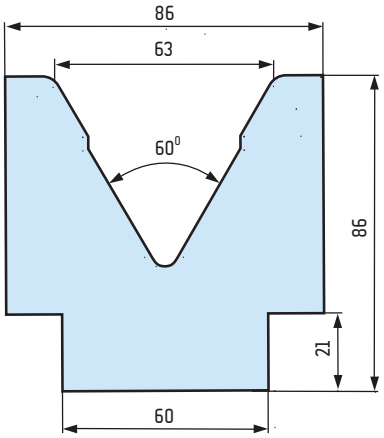
*V = 50 mm*




### M 3360/63

*α = 60⁰*

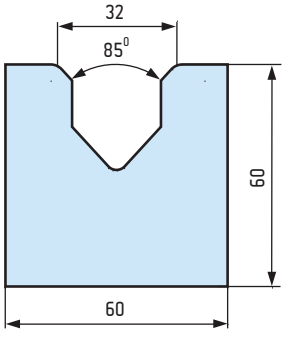
*V = 63 mm*




### M 3385/32

*α = 85⁰*

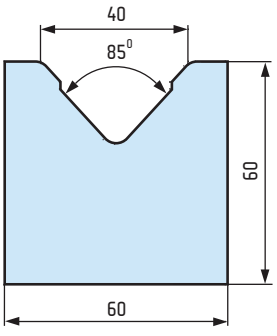
*V = 32 mm*




### M 3385/40

*α = 85⁰*

*V = 40 mm*

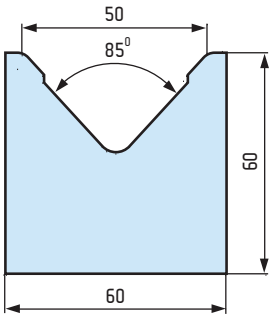


## 1V dies | matryce 1V

### M 3385/50

*α = 85⁰*

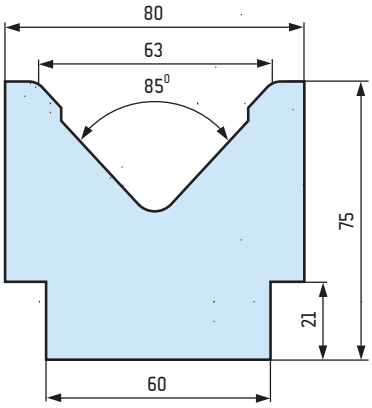
*V = 50 mm*




### M 3385/63

*α = 85⁰*

*V = 63 mm*




### M 3385/80

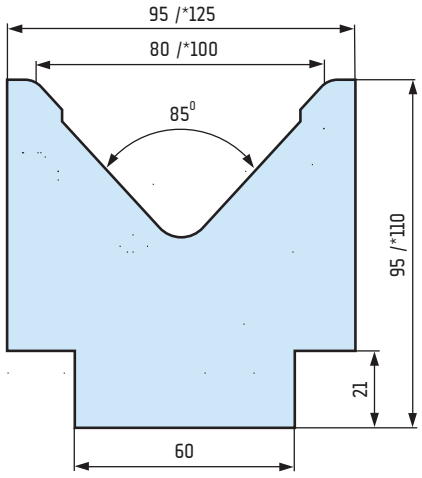
*α = 85⁰*

*V = 80 mm*

### M 3385/100 *

*α = 85⁰ **

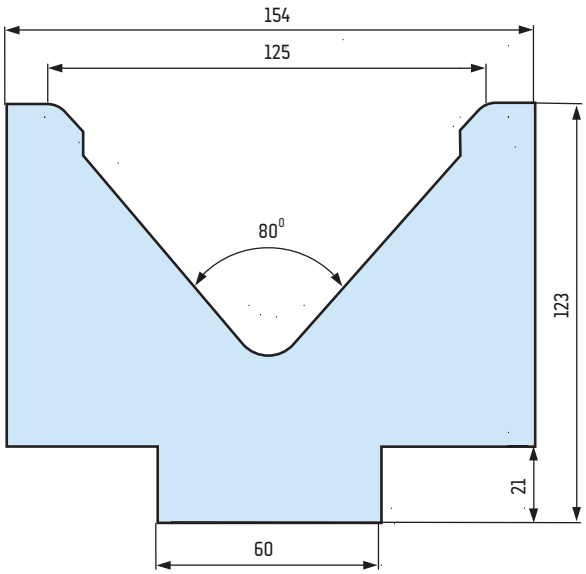
*V = 100 mm **




### M 3380/125

*α = 80⁰*

*V = 125 mm*

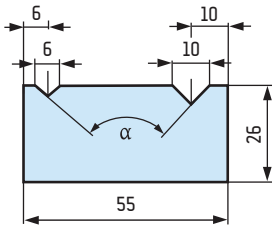


# TYPE "A" DIES | MATRYCE TYPU „A"

## bolt fastened | mocowane śrubami

**M 6112** 100 t/m

*α = 90⁰*

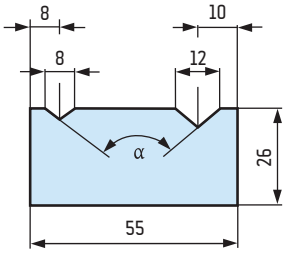



**M 6212** 80 t/m

*α = 60⁰*

**M 6113** 100 t/m

*α = 90⁰*

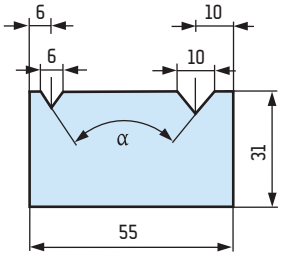



**M 6213** 80 t/m

*α = 60⁰*

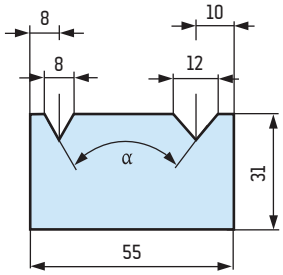
**M 6312** 60 t/m

*α = 35⁰*



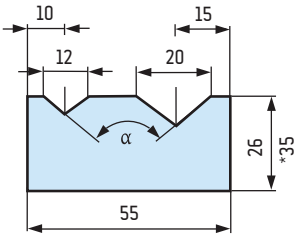

**M 6313** 60 t/m

*α = 35⁰*




**M 6114** 100 t/m

*α = 88⁰*

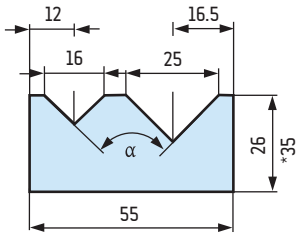



**M 6214** 80 t/m *

*α = 60⁰*

**M 6115** 100 t/m

*α = 88⁰*




**M 6215** 80 t/m *

*α = 60⁰*

# 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

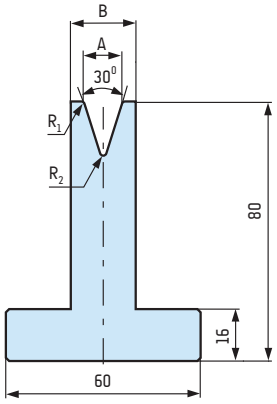
*A = 16 mm, B = 30 mm*

*$R_1$ = 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 6135** 35 t/m

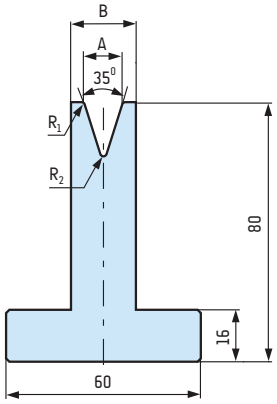
*A = 8 mm, B = 14 mm*

*$R_1$ = 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

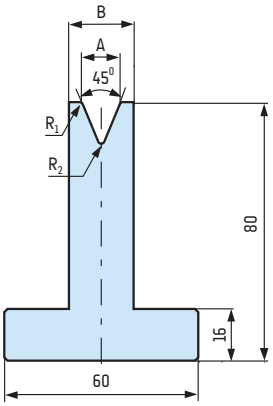
*A = 10 mm, B = 16 mm*

*$R_1$ = 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*

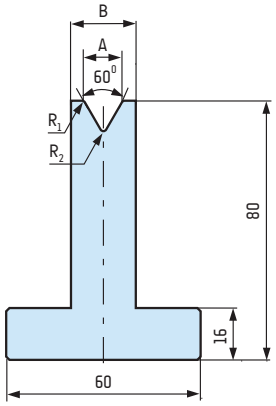
**M 6260** 60 t/m
*A = 10 mm, B = 16 mm*
*$R_1$ = 2 mm, $R_2$ = 1 mm*

**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 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 = 22 mm*
*$R_1$ = 2.5 mm, $R_2$ = 1 mm*

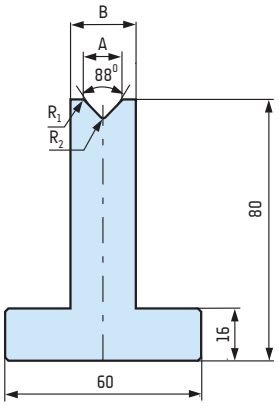
**M 6388** 100 t/m
*A = 20 mm, B = 30 mm*
*$R_1$ = 3 mm, $R_2$ = 1.5 mm*

**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 = 16 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 = 12 mm*
*$R_1$ = 0.5 mm, $R_2$ = 0.5 mm*

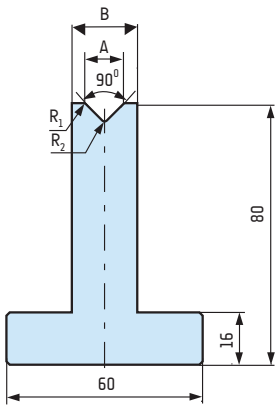



**M 6190** 100 t/m
*A = 6 mm, B = 12 mm*
*$R_1$ = 1.5 mm, $R_2$ = 0.5 mm*

**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*



# TYPE "A" DIES | MATRYCE TYPU „A"

## 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

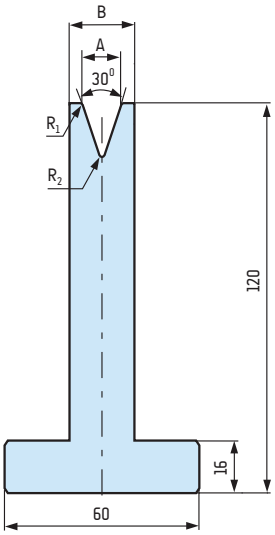
*A = 16 mm, B = 30 mm*

*$R_1$ = 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 9135** 35 t/m

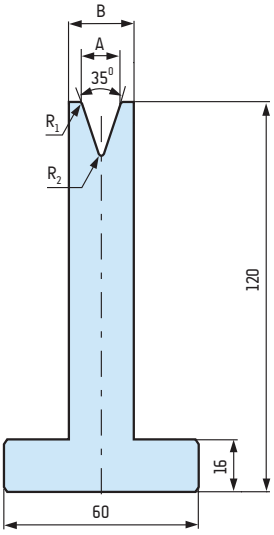
*A = 8 mm, B = 18 mm*

*$R_1$ = 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*




**M 9145** 50 t/m

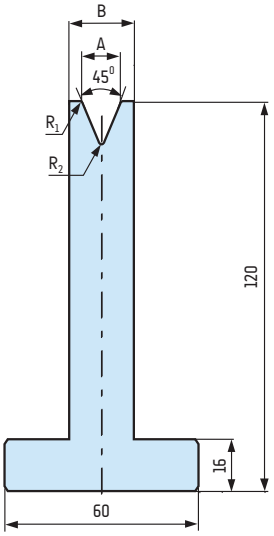
*A = 10 mm, B = 18 mm*

*$R_1$ = 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*



# TYPE "A" DIES | MATRYCE TYPU „A"

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

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

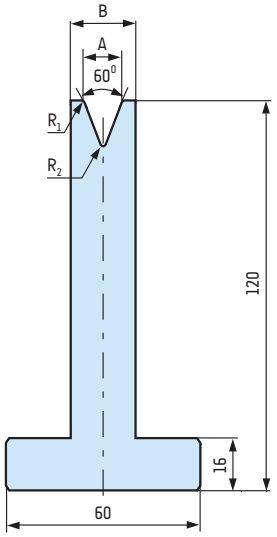
**M 9260** 60 t/m
*A = 10 mm, B = 18 mm*
*$R_1$ = 2 mm, $R_2$ = 1 mm*

**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 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*

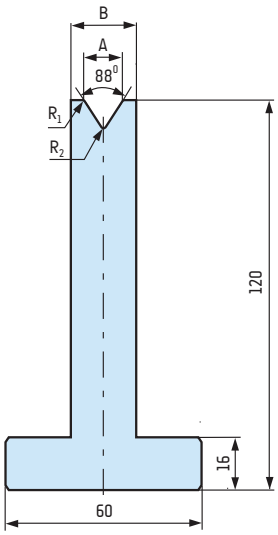
**M 9388** 100 t/m
*A = 20 mm, B = 30 mm*
*$R_1$ = 3 mm, $R_2$ = 1.5 mm*

**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*

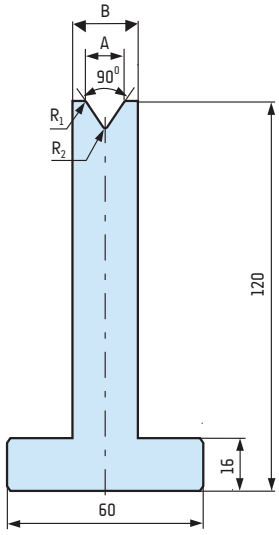



**M 9190** 100 t/m
*A = 6 mm, B = 14 mm*
*$R_1$ = 1.5 mm, $R_2$ = 0.5 mm*

**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. 52*
*Matryce montowane przy pomocy wkładek A 31 lub A 61 –> str 52*

## insert dies | matryce wkładkowe

42CrMo4

**M 8130**
$\alpha = 30^0$
*A = 6 mm, B = 16 mm*

42CrMo4

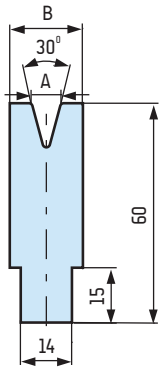
**M 8230**
$\alpha = 30^0$
*A = 8 mm, B = 19 mm*

42CrMo4

**M 8330**
$\alpha = 30^0$
*A = 10 mm, B = 24 mm*

42CrMo4

**M 8430**
$\alpha = 30^0$
*A = 12 mm, B = 25 mm*




42CrMo4

**M 8160**
$\alpha = 60^0$
*A = 6 mm, B = 14 mm*

42CrMo4

**M 8260**
$\alpha = 60^0$
*A = 8 mm, B = 15 mm*

42CrMo4

**M 8360**
$\alpha = 60^0$
*A = 10 mm, B = 18 mm*

42CrMo4

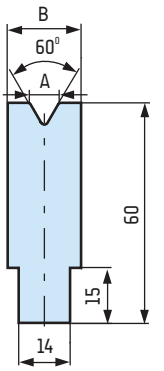
**M 8460**
$\alpha = 60^0$
*A = 12 mm, B = 18 mm*

42CrMo4

**M 8560**
$\alpha = 60^0$
*A = 16 mm, B = 24 mm*

42CrMo4

**M 8660**
$\alpha = 60^0$
*A = 20 mm, B = 30 mm*




42CrMo4

**M 8188**
$\alpha = 88^0$
*A = 6 mm, B = 14 mm*

42CrMo4

**M 8288**
$\alpha = 88^0$
*A = 8 mm, B = 14 mm*

42CrMo4

**M 8388**
$\alpha = 88^0$
*A = 10 mm, B = 15 mm*

42CrMo4

**M 8488**
$\alpha = 88^0$
*A = 12 mm, B = 17 mm*

42CrMo4

**M 8588**
$\alpha = 88^0$
*A = 14 mm, B = 18 mm*

42CrMo4

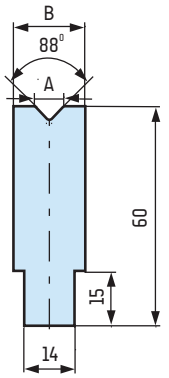
**M 8688**
$\alpha = 88^0$
*A = 16 mm, B = 21 mm*

42CrMo4

**M 8788**
$\alpha = 88^0$
*A = 18 mm, B = 23 mm*

42CrMo4

**M 8888**
$\alpha = 88^0$
*A = 20 mm, B = 25 mm*




42CrMo4

**M 8988**
$\alpha = 88^0$
*A = 25 mm, B = 30 mm*

42CrMo4

**M 8190**
$\alpha = 90^0$
*A = 6 mm, B = 14 mm*

42CrMo4

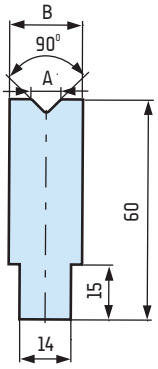
**M 8290**
$\alpha = 90^0$
*A = 8 mm, B = 14 mm*

42CrMo4

**M 8390**
$\alpha = 90^0$
*A = 10 mm, B = 15 mm*

42CrMo4

**M 8490**
$\alpha = 90^0$
*A = 12 mm, B = 17 mm*




42CrMo4

**M 8590**
$\alpha = 90^0$
*A = 14 mm, B =18 mm*

# TYPE "A" DIES | MATRYCE TYPU „A"

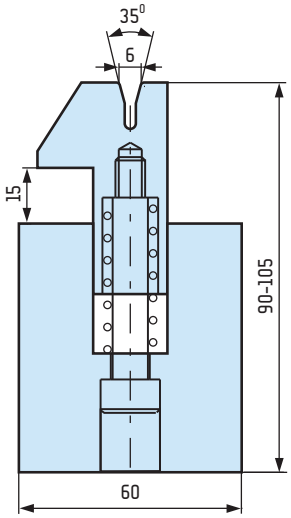
*Bending and folding die, upper part moves on springs.*
*Matryce dwufunkcyjne do gięcia i zagniatania.*
*Górna część porusza się na sprężynach.*

## flattening dies | matryce do zagniatania

### M 3033/6

*α = 35⁰*

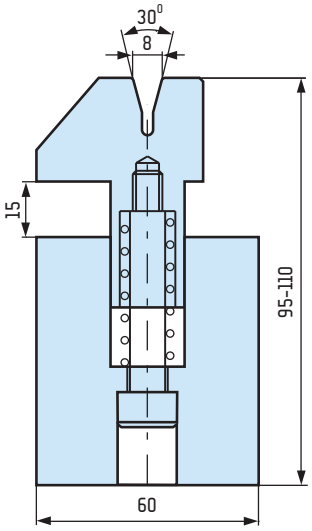
*V = 6 mm*




### M 3033/8

*α = 30⁰*

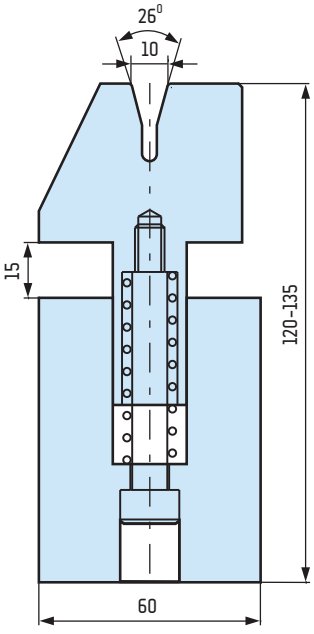
*V = 8 mm*




### M 3033/10

*α = 26⁰*

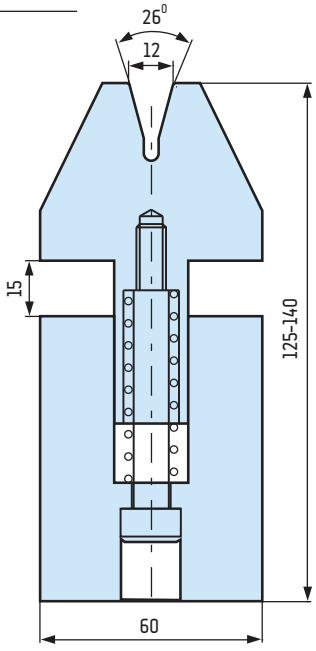
*V = 10 mm*




### M 3033/12

*α = 26⁰*

*V = 12 mm*



# TYPE "A" DIES | MATRYCE TYPU „A"

## W 24

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

*α = 35⁰, V = 6 mm / 8 mm / 10 mm*

*α = 45⁰, V = 6 mm / 8 mm / 10 mm / 12 mm*

*α = 60⁰, V = 6 mm / 8 mm / 10 mm / 12 mm / 16 mm*

*α = 88⁰, V = 6 mm / 8 mm / 10 mm / 12 mm / 16 mm*

## W 35

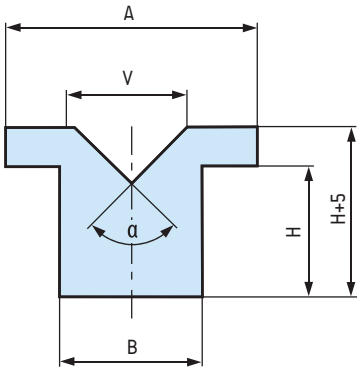
*B = 20 mm, H = 19 mm, A = 35 mm*

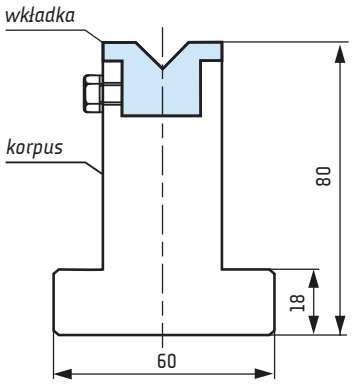
*α = 35⁰, V = 6 mm / 8 mm / 10 mm*

*α = 45⁰, V = 6 mm / 8 mm / 10 mm / 12 mm*

*α = 60⁰, V = 6 mm / 8 mm / 10 mm / 12 mm / 16 mm / 20 mm*

*α = 88⁰, V = 6 mm / 8 mm / 10 mm / 12 mm / 16 mm / 20 mm / 25 mm*

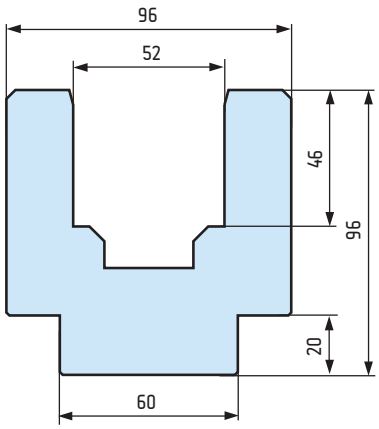


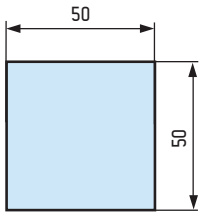

*Polyamid inserts allow to minimize bending marks on coated or stainless steel.*

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

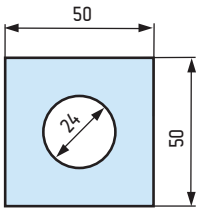
## W 50



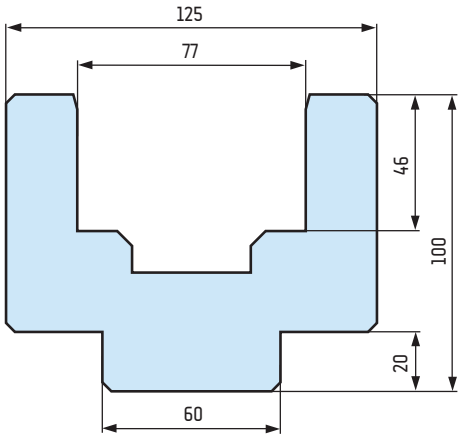

## INSERT 50 FULL | WKŁADKA 50 PEŁNA



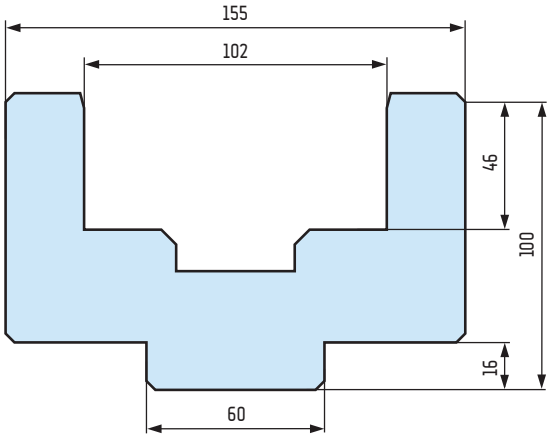

## INSERT 50 WITH HOLE | WKŁADKA 50 Z OTWOREM



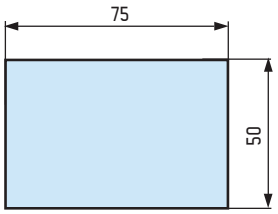
**W 75**



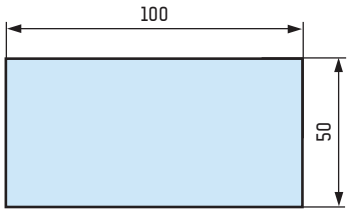

**W 100**



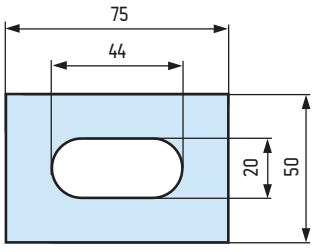

INSERT 75 FULL | **WKŁADKA 75 PEŁNA**



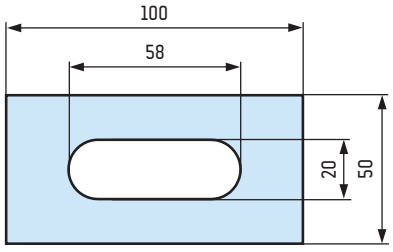

INSERT 100 FULL | **WKŁADKA 100 PEŁNA**




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"*