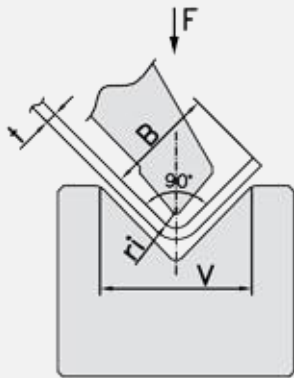


ACCURTOOL PRESS BRAKE TOOL



ORDERING INFORMATION

$$F = t^2 \times R_m / V \times (1 + 4t / V)$$



- t** - Thickness of the sheet (mm)
- V** - V Die Opening (mm)
- ri** - Inside Radius of the sheet (mm)
- B** - Shortest Edge (mm)
- F** - Force in Ton / m
- Rm** - Aluminium 250 N / mm²
- Rm** - Mild steel 420 N / mm²
- Rm** - Stainless steel 700 N / mm

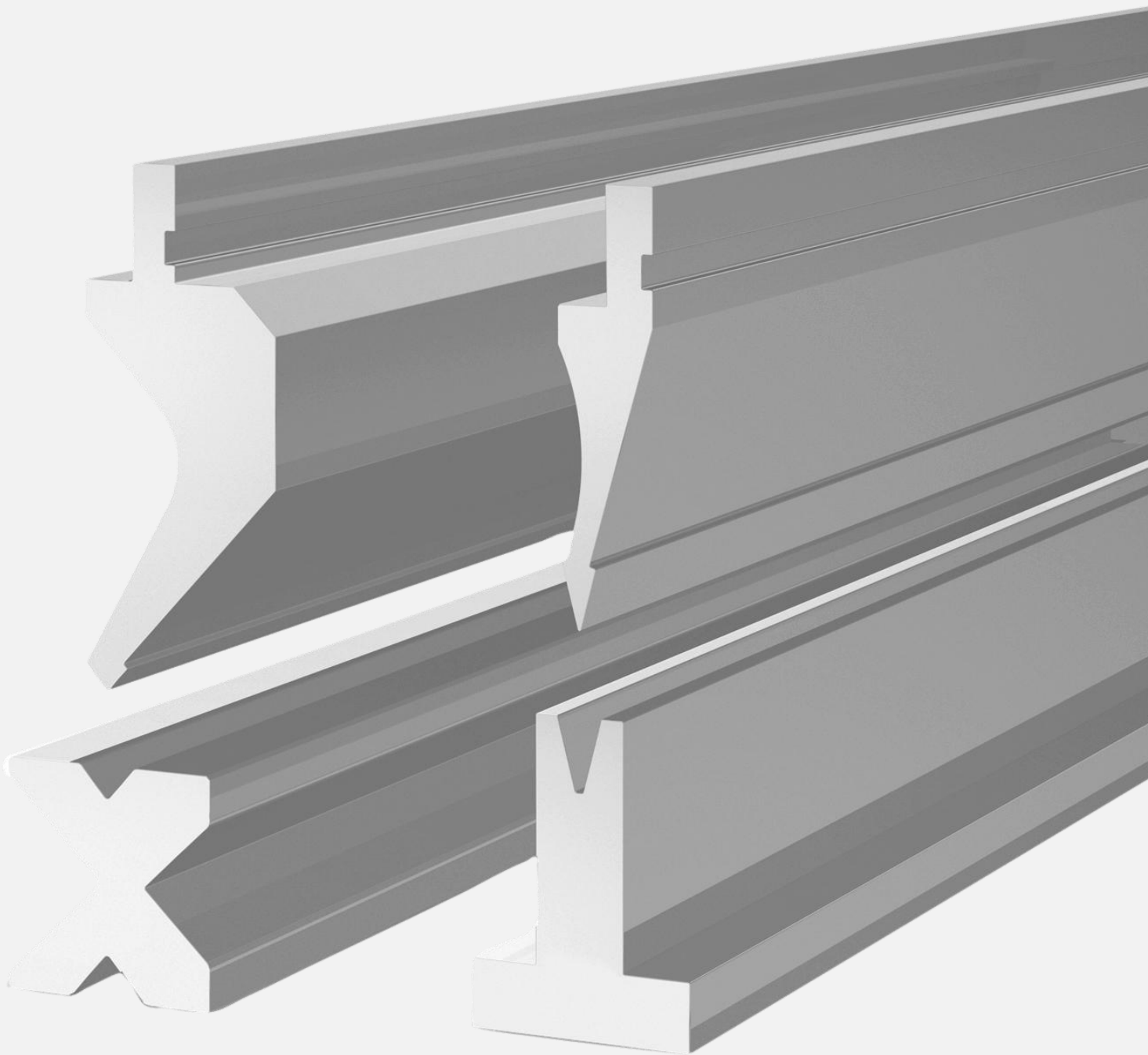
PRESS FORCE TABLE - for 90° air bending
(Rm = 420 N / mm²)

| t | 4 | 6 | 8 | 10 | 12 | 16 | 20 | 26 | 32 | 40 | 50 | 60 | 65 | 80 | 100 | 125 | 150 | 180 | 200 | 250 | 300 | V | |
|-----|-----|-----|-----|-----|-----|-----|----|------|------|----|----|----|-----|------|------|------|------|-----|-----|-----|-----|-----|---|
| | 0.6 | 0.9 | 1.2 | 1.6 | 2 | 2.5 | 3 | 4 | 5 | 6 | 8 | 9 | 10 | 12.5 | 15.5 | 19.5 | 23.5 | 28 | 32 | 39 | 47 | ri | |
| | 2.4 | 3.6 | 4.8 | 6 | 7.2 | 9.6 | 12 | 15.6 | 19.2 | 24 | 30 | 36 | 39 | 48 | 60 | 75 | 90 | 108 | 120 | 150 | 180 | B | |
| 0.5 | 4 | 2 | | | | | | | | | | | | | | | | | | | | | |
| 0.8 | | 7 | 5 | | | | | | | | | | | | | | | | | | | | |
| 1.0 | | 12 | 8 | 6 | | | | | | | | | | | | | | | | | | | |
| 1.2 | | | 12 | 9 | 7 | | | | | | | | | | | | | | | | | | |
| 1.5 | | | | 15 | 12 | 8 | | | | | | | | | | | | | | | | | |
| 2.0 | | | | | 23 | 16 | 12 | | | | | | | | | | | | | | | | |
| 2.5 | | | | | | 27 | 20 | 14 | | | | | | | | | | | | | | | |
| 3.0 | | | | | | 42 | 30 | 22 | 16 | | | | | | | | | | | | | | |
| 4.0 | | | | | | | 60 | 42 | 32 | 24 | 18 | | | | | | | | | | | | |
| 6.0 | | | | | | | | | 83 | 60 | 45 | 36 | 32 | | | | | | | | | | |
| 8.0 | | | | | | | | | | | 88 | 69 | 62 | 47 | 36 | | | | | | | | |
| 10 | | | | | | | | | | | | | 104 | 79 | 59 | 45 | | | | | | | |
| 12 | | | | | | | | | | | | | | | 90 | 67 | 54 | | | | | | |
| 16 | | | | | | | | | | | | | | | | 131 | 103 | 82 | | | | | |
| 20 | | | | | | | | | | | | | | | | | | 136 | 118 | 89 | | | |
| 25 | | | | | | | | | | | | | | | | | | | | 197 | 147 | 118 | F |

| Minimum defined V channel according to thickness | | | | |
|--|----------------|--------------|-------------|------------|
| Sheet Thickness: | 0.50 - 2.50 mm | 3.0 - 8.0 mm | 9.0 - 12 mm | 16 - 25 mm |
| Die width V: | V = t x 6 | V = t x 8 | V = t x 10 | V = t x 12 |

European Style

Precision Press Brake Tooling



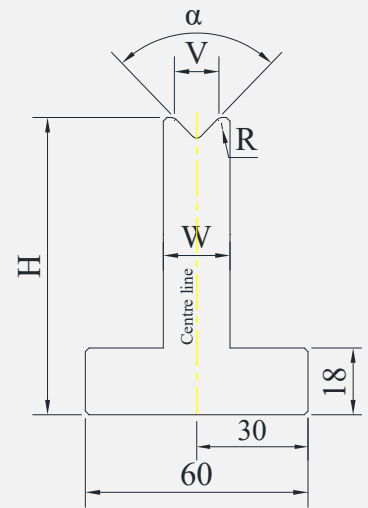
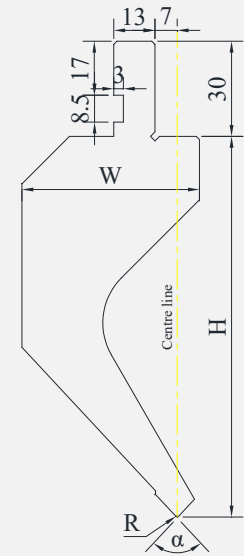
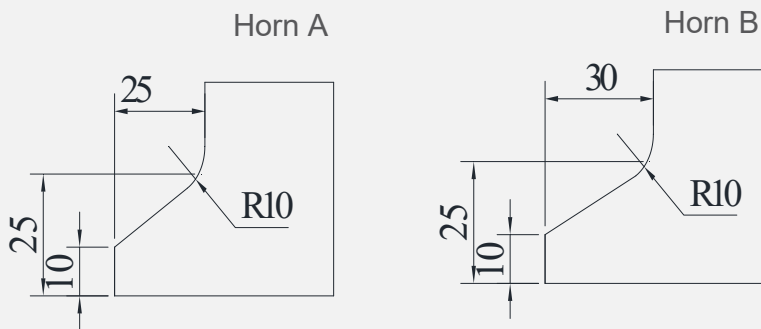
European Precision Press Brake Tooling

ADVANTAGES

- Optimum materials
 - 42CrMo, tempered to 1100-1200 N/mm²
- Whole body hardened up to 45-50 HRC
- Precision ground
- Guaranteed exchangeability
- Parallelism
- Tool marking with all significant information

Horn extensions

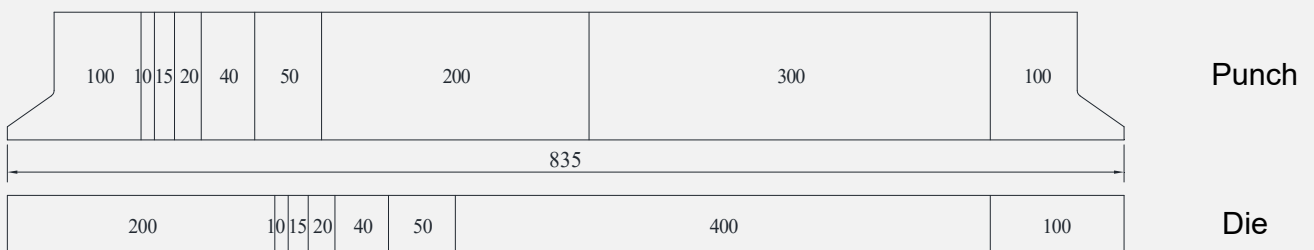
- Horn extensions for sectionalized punches/top-tools



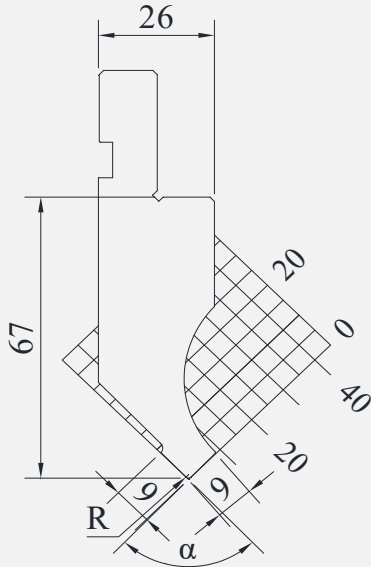
Tooling Length

- Length 835 mm
- Length 415 mm
- Length 835 mm sectionalized

Sectionalized punches/top-tools are delivered as a complete set



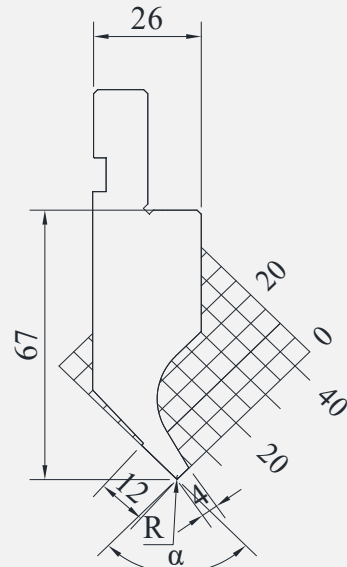
11.001



$\alpha=86$ $R=0.5$ $H=67.00$ $\text{Max T/m}=100$

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.001.835 | 835 mm | | 11.0 kg |
| 11.001.415 | 415 mm | | 5.5 kg |
| 11.001.835S | 835 mm | | 11.0 kg |

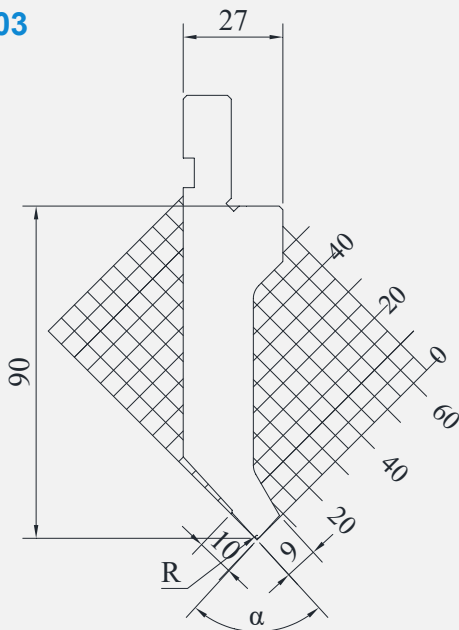
11.002



$\alpha=86$ $R=0.5$ $H=67.00$ $\text{Max T/m}=30$

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.002.835 | 835 mm | | 10.5 kg |
| 11.002.415 | 415 mm | | 5.2 kg |
| 11.002.835S | 835 mm | | 10.5 kg |

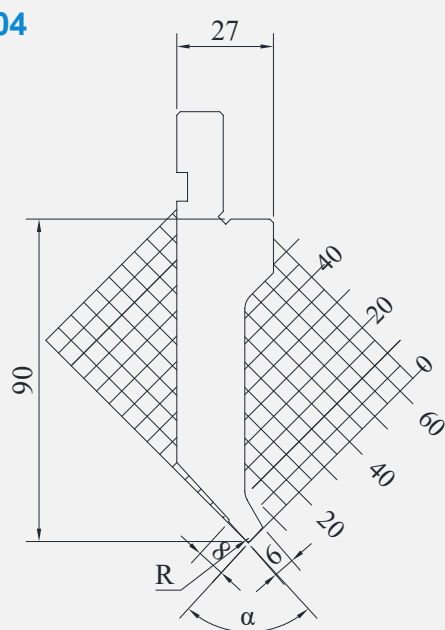
11.003



$\alpha=86$ $R=0.5$ $H=90.00$ $\text{Max T/m}=100$

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.003.835 | 835 mm | | 13.3 kg |
| 11.003.415 | 415 mm | | 6.6 kg |
| 11.003.835S | 835 mm | | 13.3 kg |

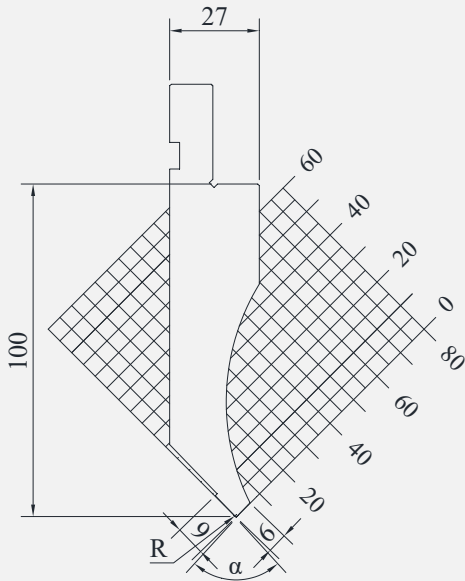
11.004



$\alpha=86$ $R=0.5$ $H=90.00$ $\text{Max T/m}=100$

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.004.835 | 835 mm | | 13.1 kg |
| 11.004.415 | 415 mm | | 6.5 kg |
| 11.004.835S | 835 mm | | 13.1 kg |

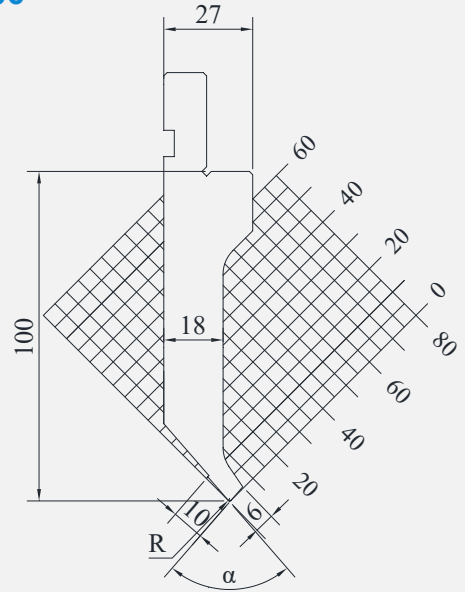
11.005



$\alpha=86$ $R=0.5$ $H=100.00$ $\text{Max T/m}=80$

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.005.835 | 835 mm | | 11.0 kg |
| 11.005.415 | 415 mm | | 5.5 kg |
| 11.005.835S | 835 mm | | 11.0 kg |

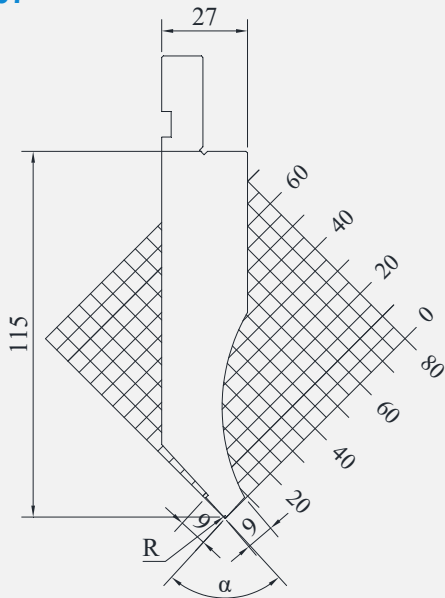
11.006



$\alpha=86$ $R=0.5$ $H=67.00$ $\text{Max T/m}=60$

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.006.835 | 835 mm | | 10.5 kg |
| 11.006.415 | 415 mm | | 5.2 kg |
| 11.006.835S | 835 mm | | 10.5 kg |

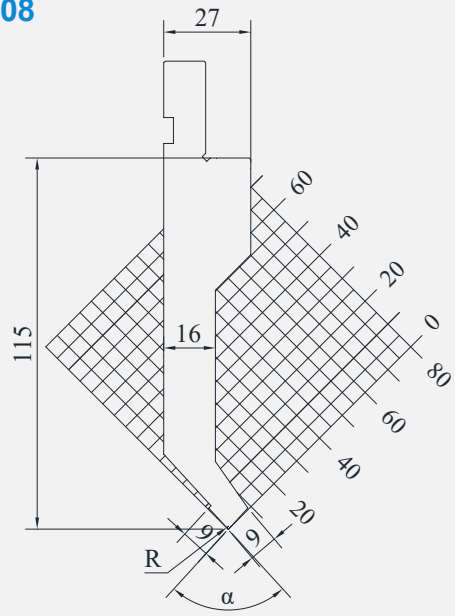
11.007



$\alpha=86$ $R=0.5$ $H=115.00$ $\text{Max T/m}=100$

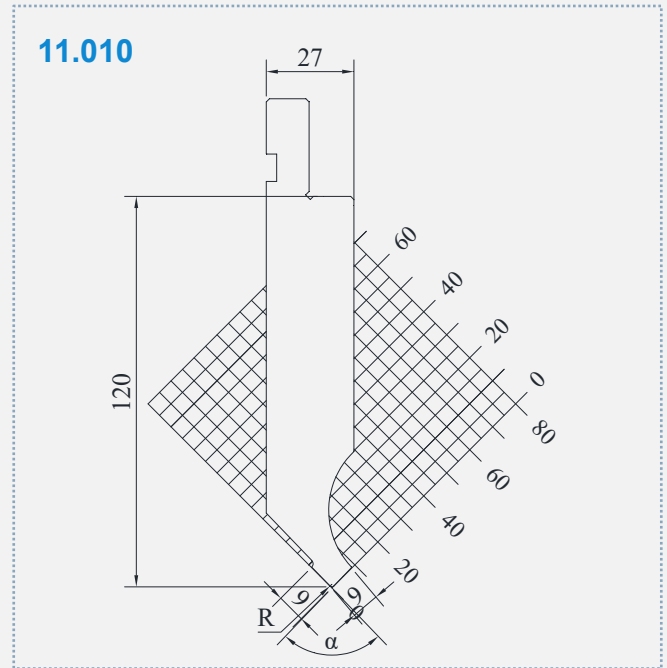
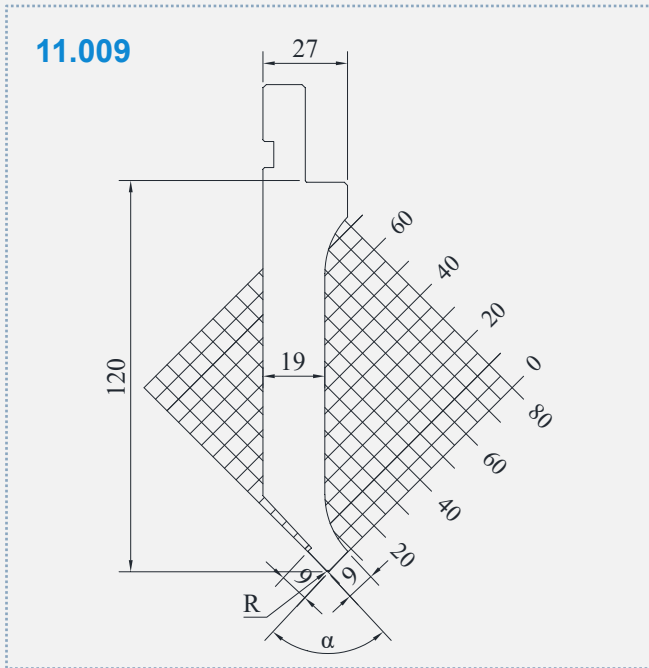
| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.007.835 | 835 mm | | 13.3 kg |
| 11.007.415 | 415 mm | | 6.6 kg |
| 11.007.835S | 835 mm | | 13.3 kg |

11.008



$\alpha=86$ $R=0.5$ $H=115.00$ $\text{Max T/m}=100$

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.008.835 | 835 mm | | 13.1 kg |
| 11.008.415 | 415 mm | | 6.5 kg |
| 11.008.835S | 835 mm | | 13.1 kg |

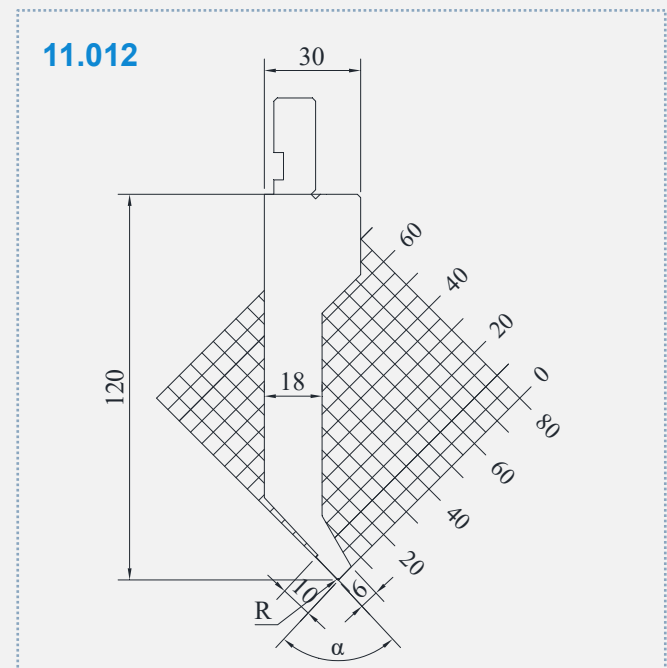
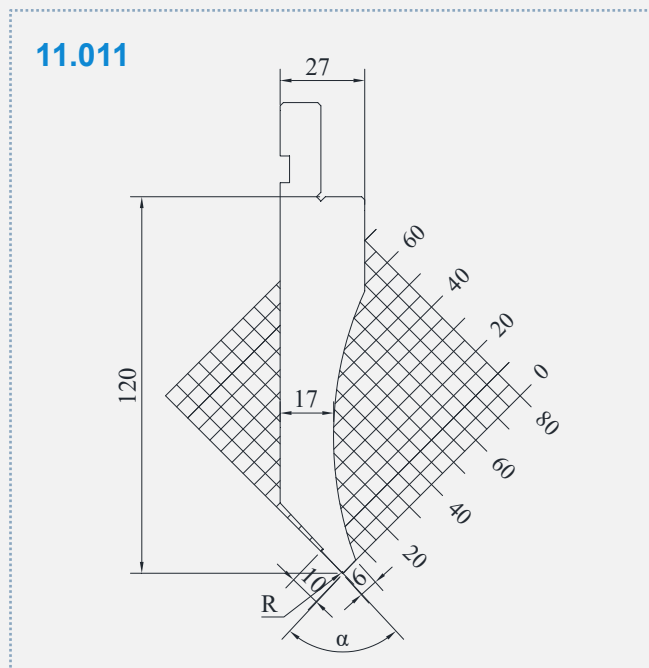


$\alpha=86$ $R=0.5$ $H=120.00$ $\text{Max T/m}=100$

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.009.835 | 835 mm | | 11.0 kg |
| 11.009.415 | 415 mm | | 5.5 kg |
| 11.009.835S | 835 mm | | 11.0 kg |

$\alpha=86$ $R=0.5$ $H=120.00$ $\text{Max T/m}=100$

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.010.835 | 835 mm | | 10.5 kg |
| 11.010.415 | 415 mm | | 5.2 kg |
| 11.010.835S | 835 mm | | 10.5 kg |



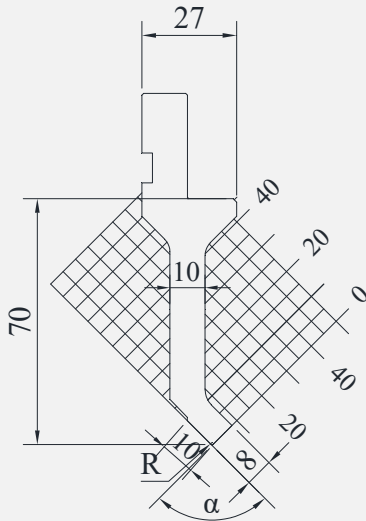
$\alpha=86$ $R=0.5$ $H=120.00$ $\text{Max T/m}=100$

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.011.835 | 835 mm | | 13.3 kg |
| 11.011.415 | 415 mm | | 6.6 kg |
| 11.011.835S | 835 mm | | 13.3 kg |

$\alpha=86$ $R=0.5$ $H=120.00$ $\text{Max T/m}=100$

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.012.835 | 835 mm | | 13.1 kg |
| 11.012.415 | 415 mm | | 6.5 kg |
| 11.012.835S | 835 mm | | 13.1 kg |

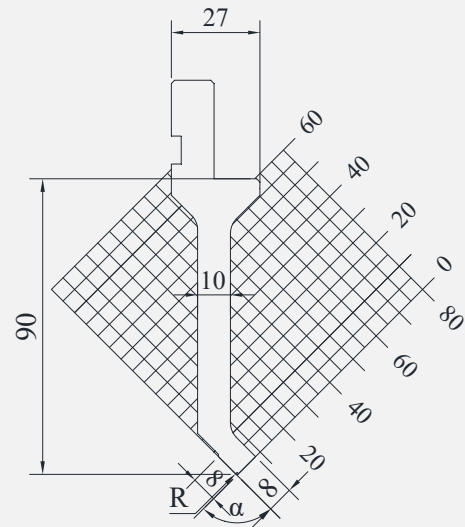
11.013



$\alpha=86$ $R=0.5$ $H=70.00$ $\text{Max T/m}=30$

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.013.835 | 835 mm | | 11.0 kg |
| 11.013.415 | 415 mm | | 5.5 kg |
| 11.013.835S | 835 mm | | 11.0 kg |

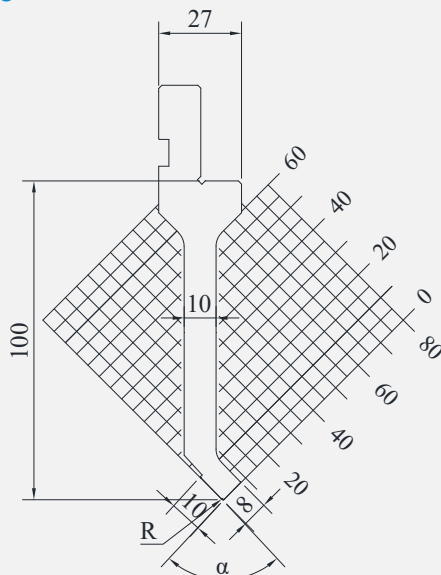
11.014



$\alpha=86$ $R=0.5$ $H=90.00$ $\text{Max T/m}=30$

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.014.835 | 835 mm | | 10.5 kg |
| 11.014.415 | 415 mm | | 5.2 kg |
| 11.014.835S | 835 mm | | 10.5 kg |

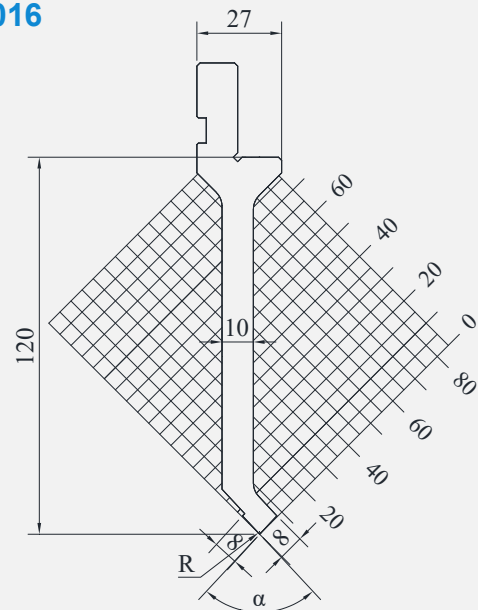
11.015



$\alpha=86$ $R=0.5$ $H=100.00$ $\text{Max T/m}=30$

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.015.835 | 835 mm | | 13.3 kg |
| 11.015.415 | 415 mm | | 6.6 kg |
| 11.015.835S | 835 mm | | 13.3 kg |

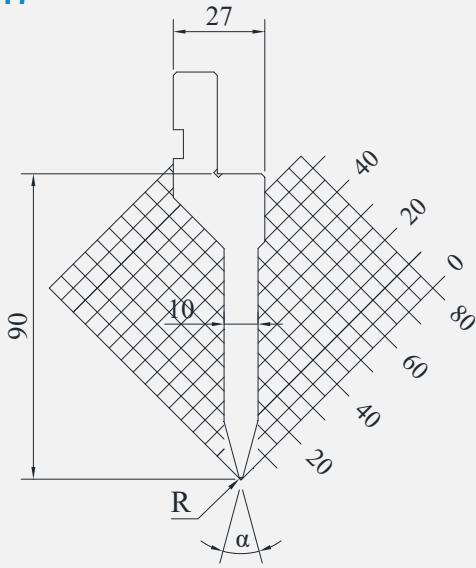
11.016



$\alpha=86$ $R=0.5$ $H=120.00$ $\text{Max T/m}=100$

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.016.835 | 835 mm | | 13.1 kg |
| 11.016.415 | 415 mm | | 6.5 kg |
| 11.016.835S | 835 mm | | 13.1 kg |

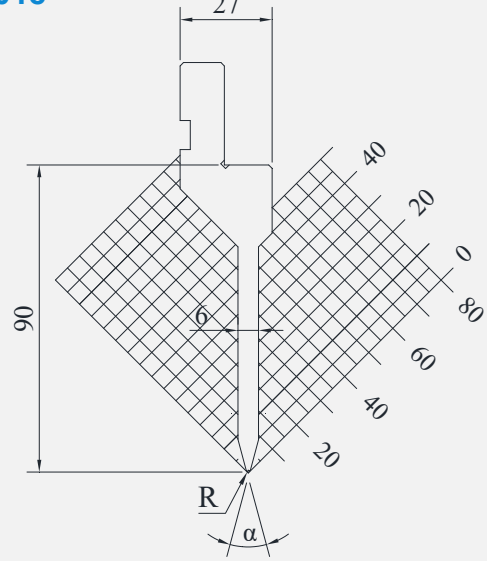
11.017



$\alpha=30$ R=0.5 H=90.00 Max T/m=70

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.017.835 | 835 mm | | 11.0 kg |
| 11.017.415 | 415 mm | | 5.5 kg |
| 11.017.835S | 835 mm | | 11.0 kg |

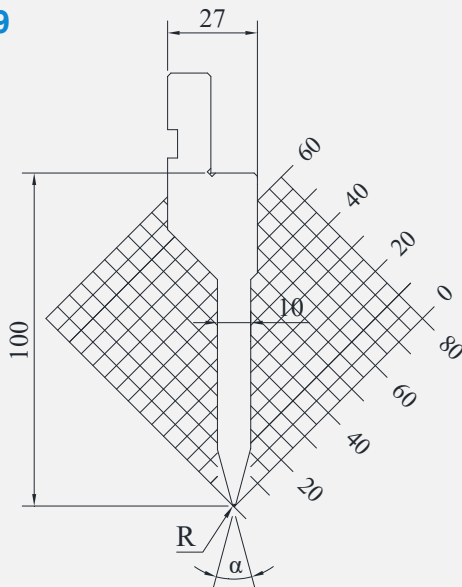
11.018



$\alpha=30$ R=0.5 H=90.00 Max T/m=45

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.018.835 | 835 mm | | 10.5 kg |
| 11.018.415 | 415 mm | | 5.2 kg |
| 11.018.835S | 835 mm | | 10.5 kg |

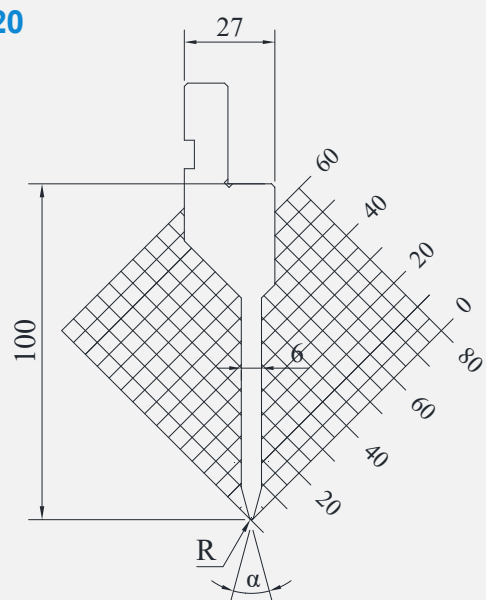
11.019



$\alpha=30$ R=0.5 H=100.00 Max T/m=70

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.019.835 | 835 mm | | 13.3 kg |
| 11.019.415 | 415 mm | | 6.6 kg |
| 11.019.835S | 835 mm | | 13.3 kg |

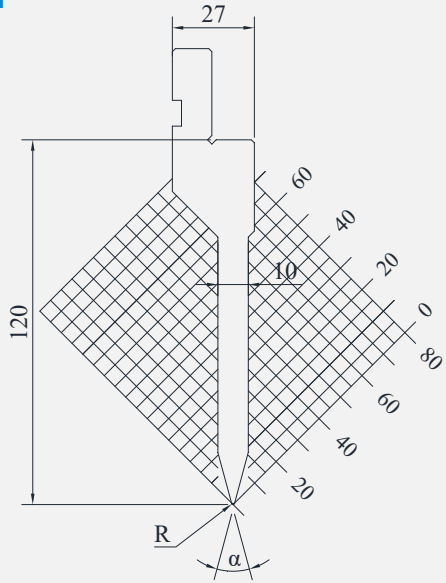
11.020



$\alpha=86$ R=0.5 H=120.00 Max T/m=45

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.020.835 | 835 mm | | 13.1 kg |
| 11.020.415 | 415 mm | | 6.5 kg |
| 11.020.835S | 835 mm | | 13.1 kg |

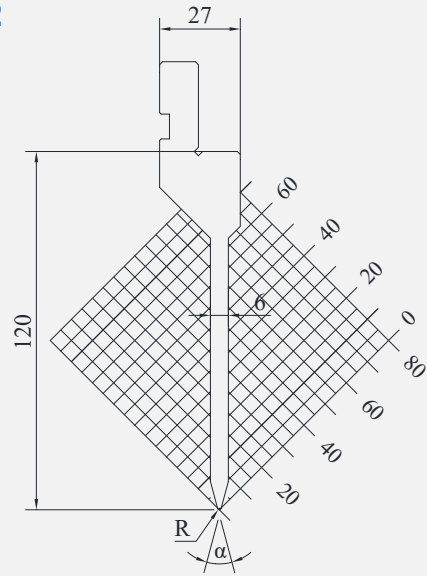
11.021



$\alpha=30$ $R=0.5$ $H=120.00$ $\text{Max T/m}=70$

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.021.835 | 835 mm | | 11.0 kg |
| 11.021.415 | 415 mm | | 5.5 kg |
| 11.021.835S | 835 mm | | 11.0 kg |

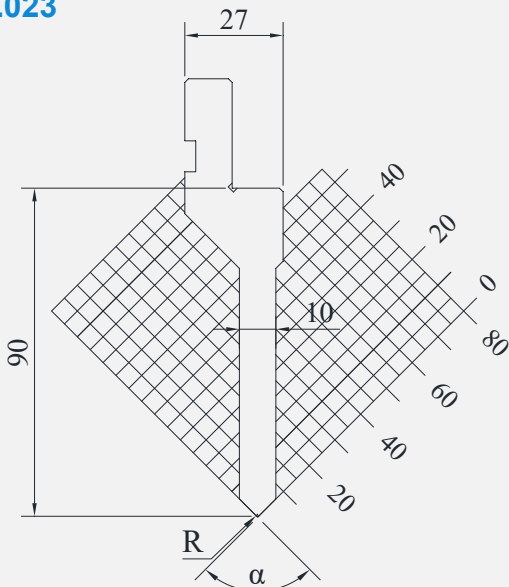
11.022



$\alpha=30$ $R=0.5$ $H=120.00$ $\text{Max T/m}=45$

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.022.835 | 835 mm | | 10.5 kg |
| 11.022.415 | 415 mm | | 5.2 kg |
| 11.022.835S | 835 mm | | 10.5 kg |

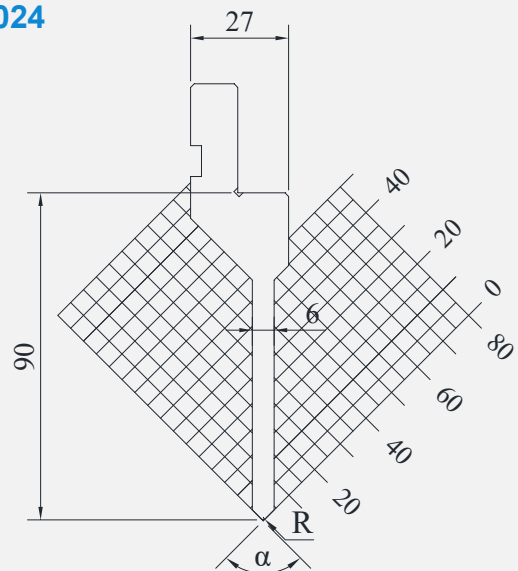
11.023



$\alpha=86$ $R=0.5$ $H=90.00$ $\text{Max T/m}=70$

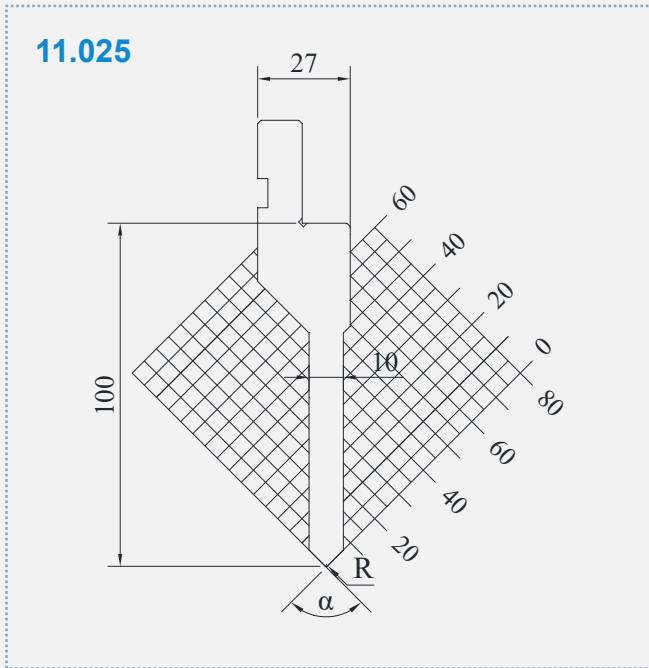
| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.023.835 | 835 mm | | 13.3 kg |
| 11.023.415 | 415 mm | | 6.6 kg |
| 11.023.835S | 835 mm | | 13.3 kg |

11.024



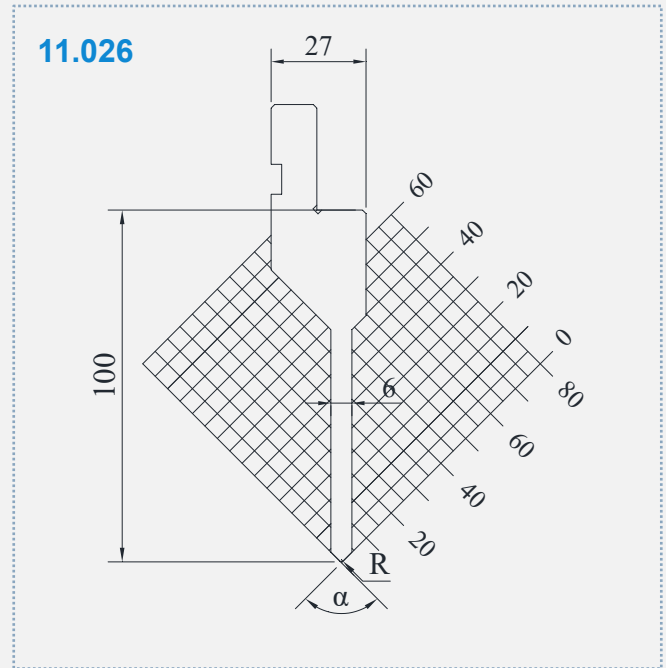
$\alpha=86$ $R=0.5$ $H=90.00$ $\text{Max T/m}=45$

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.024.835 | 835 mm | | 13.1 kg |
| 11.024.415 | 415 mm | | 6.5 kg |
| 11.024.835S | 835 mm | | 13.1 kg |



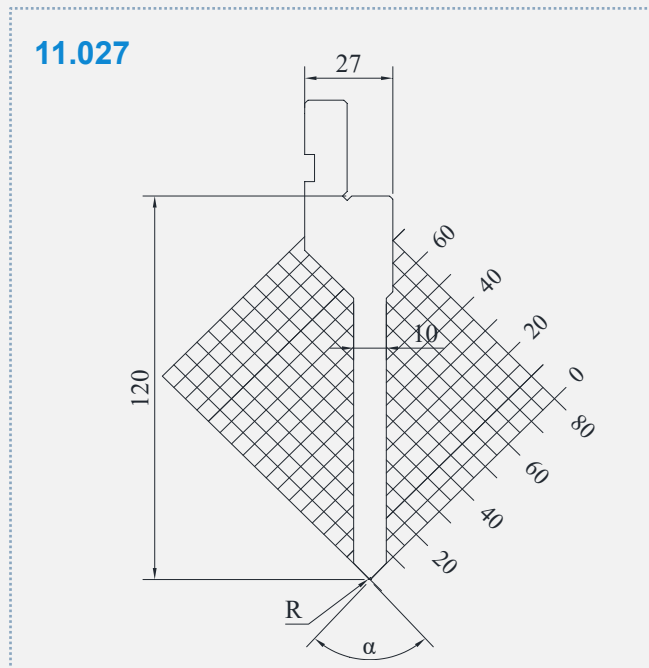
$\alpha=86$ $R=0.5$ $H=100.00$ $\text{Max T/m}=70$

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.025.835 | 835 mm | | 11.0 kg |
| 11.025.415 | 415 mm | | 5.5 kg |
| 11.025.835S | 835 mm | | 11.0 kg |



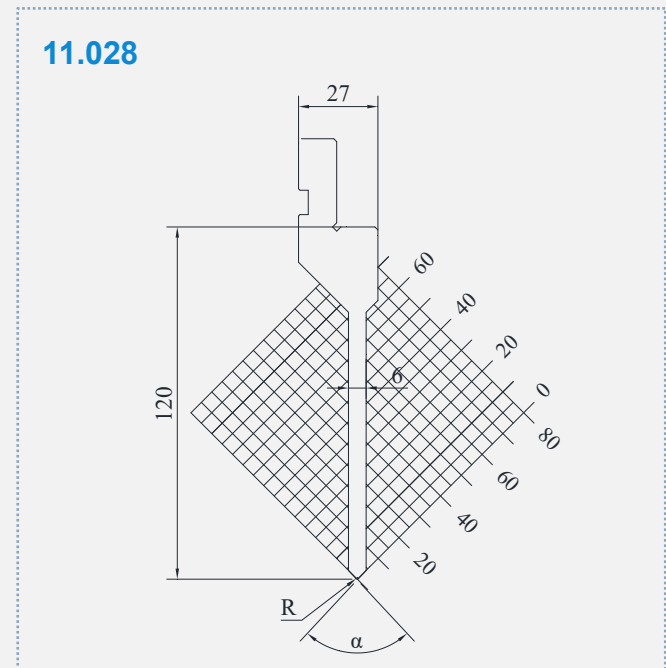
$\alpha=86$ $R=0.5$ $H=100.00$ $\text{Max T/m}=45$

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.026.835 | 835 mm | | 10.5 kg |
| 11.026.415 | 415 mm | | 5.2 kg |
| 11.026.835S | 835 mm | | 10.5 kg |



$\alpha=86$ $R=0.5$ $H=120.00$ $\text{Max T/m}=70$

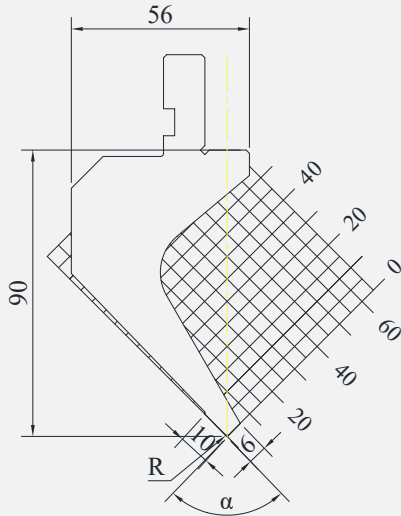
| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.027.835 | 835 mm | | 13.3 kg |
| 11.027.415 | 415 mm | | 6.6 kg |
| 11.027.835S | 835 mm | | 13.3 kg |



$\alpha=86$ $R=0.5$ $H=120.00$ $\text{Max T/m}=45$

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.028.835 | 835 mm | | 13.1 kg |
| 11.028.415 | 415 mm | | 6.5 kg |
| 11.028.835S | 835 mm | | 13.1 kg |

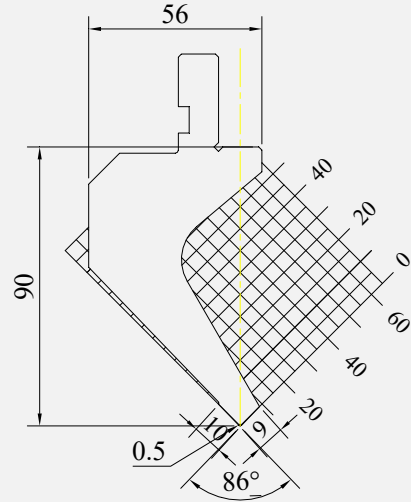
11.029



$\alpha=30$ R=0.5 H=90.00 Max T/m=50

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.029.835 | 835 mm | | 20.0 kg |
| 11.029.415 | 415 mm | | 10.0 kg |
| 11.029.835S | 835 mm | | 22.0 kg |

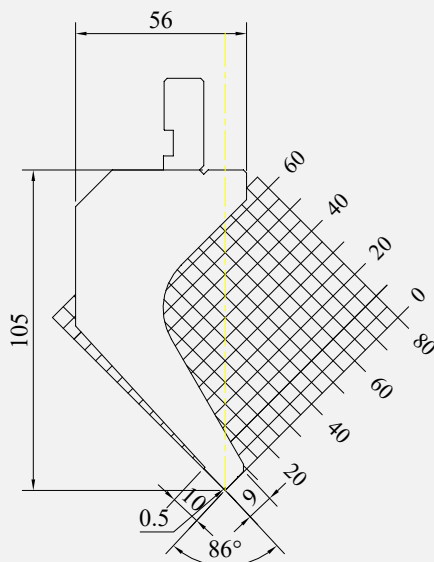
11.030



$\alpha=30$ R=0.5 H=90.00 Max T/m=70

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.030.835 | 835 mm | | 21.0 kg |
| 11.030.415 | 415 mm | | 10.5 kg |
| 11.030.835S | 835 mm | | 21.0 kg |

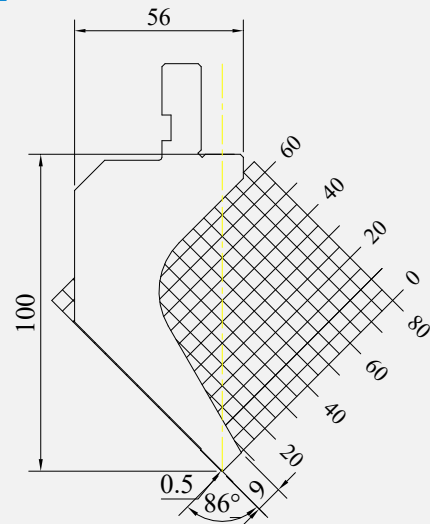
11.031



$\alpha=86$ R=0.5 H=105.00 Max T/m=50

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.031.835 | 835 mm | | 22.0 kg |
| 11.031.415 | 415 mm | | 11.0 kg |
| 11.031.835S | 835 mm | | 22.0 kg |

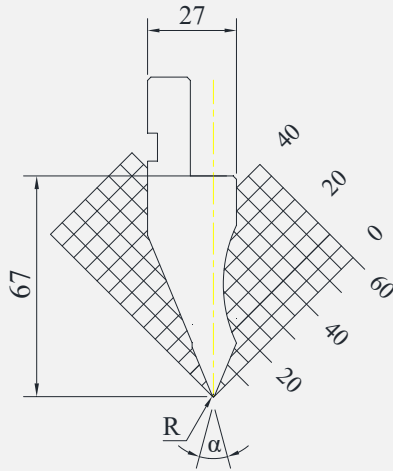
11.032



$\alpha=86$ R=0.5 H=100.00 Max T/m=50

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.032.835 | 835 mm | | 21.5 kg |
| 11.032.415 | 415 mm | | 10.8 kg |
| 11.032.835S | 835 mm | | 21.5 kg |

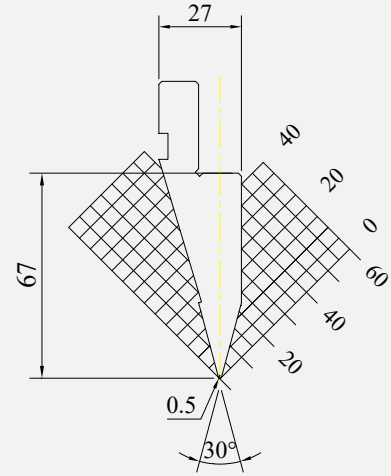
11.037



$\alpha=30$ $R=0.5$ $H=67.00$ $\text{Max T/m}=80$

| Order Number | Length | Price | Weight |
|--------------|--------|-------|--------|
| 11.037.835 | 835 mm | | 9.5 kg |
| 11.037.415 | 415 mm | | 4.8 kg |
| 11.037.835S | 835 mm | | 9.5 kg |

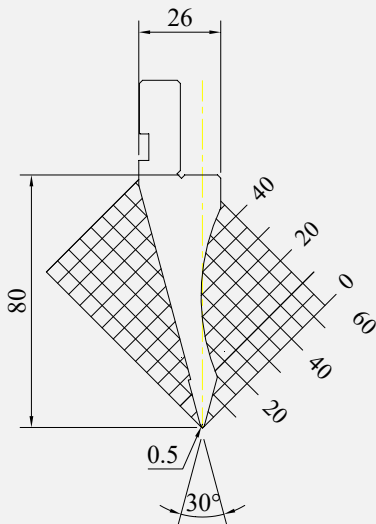
11.038



$\alpha=30$ $R=0.5$ $H=67.00$ $\text{Max T/m}=80$

| Order Number | Length | Price | Weight |
|--------------|--------|-------|--------|
| 11.038.835 | 835 mm | | 9.5 kg |
| 11.038.415 | 415 mm | | 4.8 kg |
| 11.038.835S | 835 mm | | 9.5 kg |

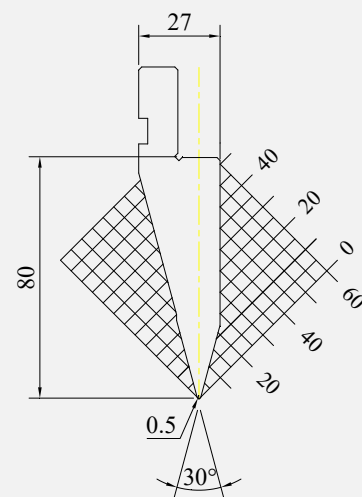
11.039



$\alpha=30$ $R=0.5$ $H=80.00$ $\text{Max T/m}=50$

| Order Number | Length | Price | Weight |
|--------------|--------|-------|--------|
| 11.039.835 | 835 mm | | 9.0 kg |
| 11.039.415 | 415 mm | | 4.5 kg |
| 11.039.835S | 835 mm | | 9.0 kg |

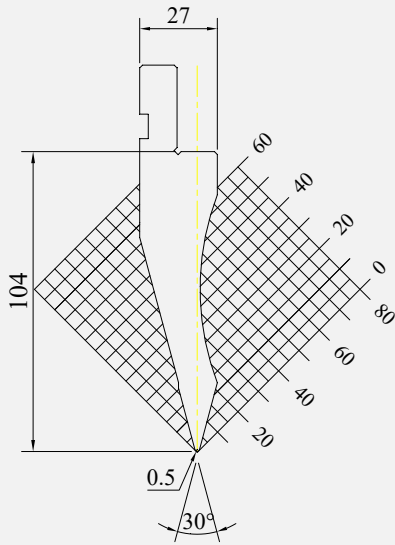
11.040



$\alpha=30$ $R=0.5$ $H=80.00$ $\text{Max T/m}=100$

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.040.835 | 835 mm | | 10.5 kg |
| 11.040.415 | 415 mm | | 5.3 kg |
| 11.040.835S | 835 mm | | 10.5 kg |

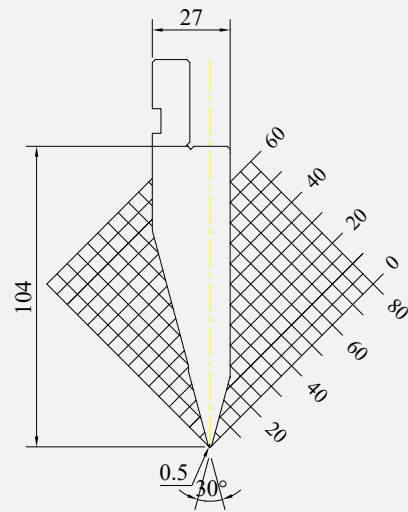
11.041



$\alpha=30$ R=0.5 H=104.00 Max T/m=70

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.041.835 | 835 mm | | 14.0 kg |
| 11.041.415 | 415 mm | | 7.0 kg |
| 11.041.835S | 835 mm | | 14.0 kg |

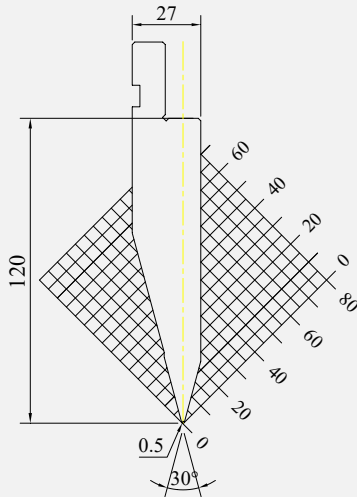
11.042



$\alpha=30$ R=0.5 H=104.00 Max T/m=100

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.042.835 | 835 mm | | 15.5 kg |
| 11.042.415 | 415 mm | | 7.8 kg |
| 11.042.835S | 835 mm | | 15.5 kg |

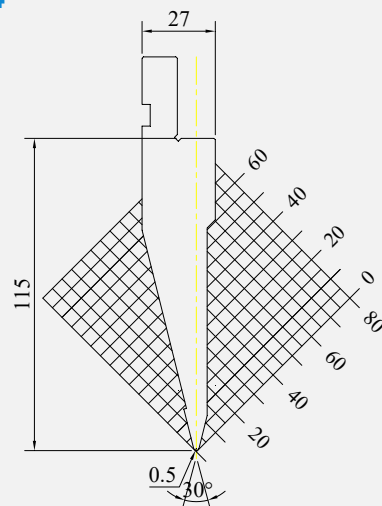
11.043



$\alpha=30$ R=0.5 H=120.00 Max T/m=100

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.043.835 | 835 mm | | 16.5 kg |
| 11.043.415 | 415 mm | | 8.3 kg |
| 11.043.835S | 835 mm | | 16.5 kg |

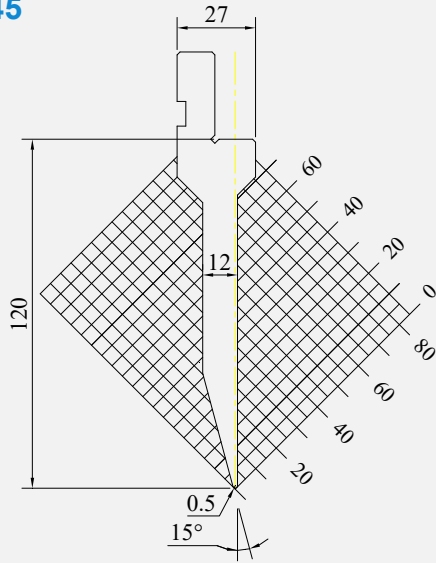
11.044



$\alpha=86$ R=0.5 H=115.00 Max T/m=70

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.044.835 | 835 mm | | 13.1 kg |
| 11.044.415 | 415 mm | | 6.5 kg |
| 11.044.835S | 835 mm | | 13.1 kg |

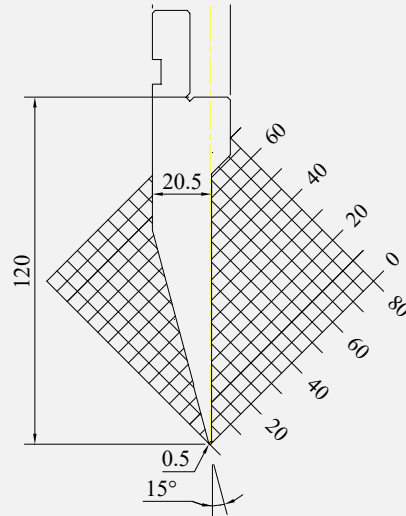
11.045



$\alpha=15$ R=0.5 H=120.00 Max T/m=30

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.045.835 | 835 mm | | 12.7 kg |
| 11.045.415 | 415 mm | | 6.4 kg |
| 11.045.835S | 835 mm | | 12.7 kg |

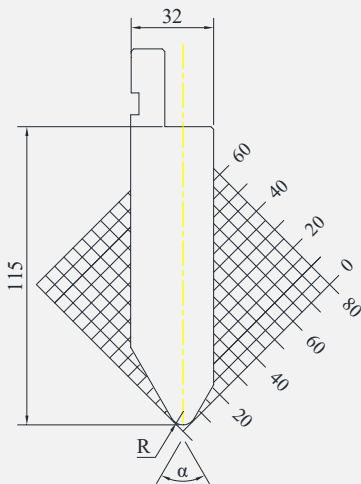
11.046



$\alpha=15$ R=0.5 H=12.00 Max T/m=40

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.046.835 | 835 mm | | 14.0 kg |
| 11.046.415 | 415 mm | | 7.0 kg |
| 11.046.835S | 835 mm | | 14.0 kg |

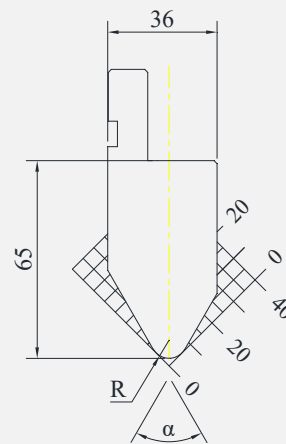
11.047



$\alpha=60$ R=5.0 H=15.00 Max T/m=100

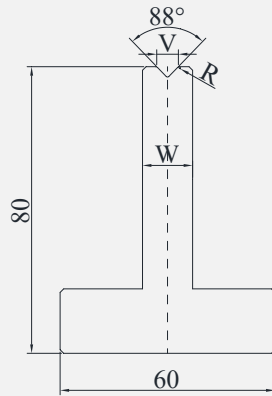
| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.047.835 | 835 mm | | 24.5 kg |
| 11.047.415 | 415 mm | | 12.3 kg |
| 11.047.835S | 835 mm | | 24.5 kg |

11.048

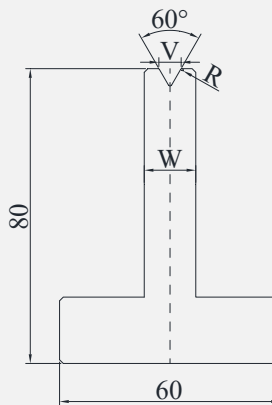


$\alpha=60$ R=6.0 H=65.00 Max T/m=100

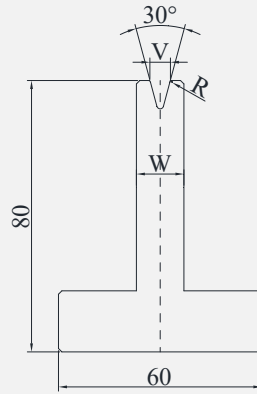
| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.048.835 | 835 mm | | 14.0 kg |
| 11.048.415 | 415 mm | | 7.0 kg |
| 11.048.835S | 835 mm | | 14.0 kg |



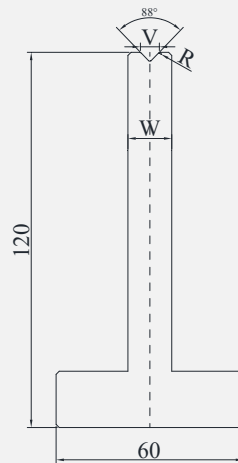
| Order Number | V (mm) | R (mm) | W (mm) | 835mm | | 415mm | | 835mm section | |
|--------------|--------|--------|--------|-------|-------------|-------|-------------|---------------|-------------|
| | | | | Price | Weight (KG) | Price | Weight (KG) | Price | Weight (KG) |
| 12.001 | 6 | 0.8 | 14 | | 13.0 kg | | 6.5 kg | | 13.0 kg |
| 12.002 | 8 | 1.0 | 14 | | 12.6 kg | | 6.3 kg | | 12.6 kg |
| 12.003 | 10 | 1.2 | 18 | | 14.2 kg | | 7.1 kg | | 14.2 kg |
| 12.004 | 12 | 1.5 | 18 | | 14.0 kg | | 7.0 kg | | 14.0 kg |
| 12.005 | 16 | 2.0 | 24 | | 16.6 kg | | 8.3 kg | | 16.6 kg |
| 12.006 | 20 | 2.0 | 30 | | 18.5kg | | 9.3kg | | 18.5kg |
| 12.007 | 25 | 3.0 | 35 | | 20.2 kg | | 10.1 kg | | 20.2 kg |



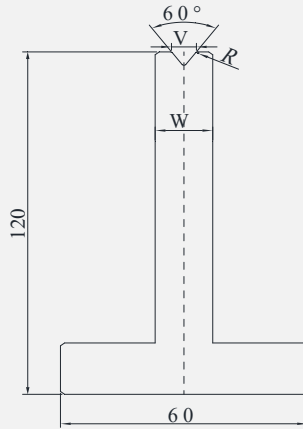
| Order Number | V (mm) | R (mm) | W (mm) | 835mm | | 415mm | | 835mm section | |
|--------------|--------|--------|--------|-------|-------------|-------|-------------|---------------|-------------|
| | | | | Price | Weight (KG) | Price | Weight (KG) | Price | Weight (KG) |
| 12.008 | 6 | 0.8 | 14 | | 13.0 kg | | 6.5 kg | | 13.0 kg |
| 12.009 | 8 | 1.0 | 14 | | 13.0 kg | | 6.5 kg | | 13.0 kg |
| 12.010 | 10 | 1.2 | 18 | | 14.5 kg | | 7.3 kg | | 14.5 kg |
| 12.011 | 12 | 1.5 | 18 | | 14.0 kg | | 7.0 kg | | 14.0 kg |
| 12.012 | 16 | 2.0 | 24 | | 15.6 kg | | 7.8 kg | | 15.6 kg |
| 12.013 | 20 | 2.0 | 30 | | 18.0kg | | 9.0 kg | | 18.0kg |
| 12.014 | 25 | 3.0 | 35 | | 19.5 kg | | 9.8 kg | | 19.5 kg |



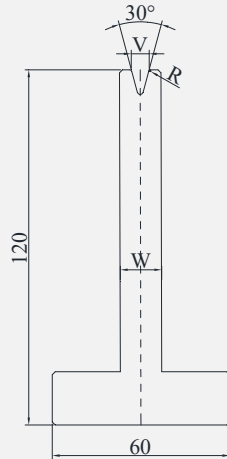
| Order Number | V (mm) | R (mm) | W (mm) | Price | Weight (KG) | Price | Weight (KG) | Price | Weight (KG) |
|--------------|--------|--------|--------|-------|-------------|-------|-------------|---------------|-------------|
| 12.015 | 6 | 0.8 | 14 | 835mm | 12.5 kg | 415mm | 6.3 kg | 835mm section | 12.5 kg |
| 12.016 | 8 | 1.0 | 18 | | 13.0 kg | | 6.5 kg | | 13.0 kg |
| 12.017 | 10 | 1.2 | 24 | | 16.0kg | | 8.0 kg | | 16.0kg |
| 12.018 | 12 | 1.5 | 24 | | 16.0 kg | | 8.0 kg | | 16.0 kg |
| 12.019 | 16 | 2.0 | 30 | | 18.0 kg | | 9.0 kg | | 18.0 kg |
| 12.020 | 20 | 2.0 | 35 | | 19.0kg | | 19.5 kg | | 19.0 kg |
| 12.021 | 25 | 3.0 | 40 | | 20.0 kg | | 10.0 kg | | 20.0 kg |



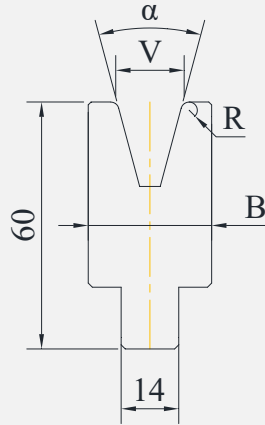
| Order Number | V (mm) | R (mm) | W (mm) | Price | Weight (KG) | Price | Weight (KG) | Price | Weight (KG) |
|--------------|--------|--------|--------|-------|-------------|-------|-------------|---------------|-------------|
| 12.022 | 6 | 0.8 | 14 | 835mm | 16.5 kg | 415mm | 8.2 kg | 835mm section | 16.5 kg |
| 12.023 | 8 | 1.0 | 14 | | 16.0 kg | | 8.0 kg | | 16.0 kg |
| 12.024 | 10 | 1.2 | 18 | | 16.5 kg | | 8.7 kg | | 16.5 kg |
| 12.025 | 12 | 1.5 | 18 | | 19.0 kg | | 9.50 kg | | 19.0 kg |
| 12.026 | 16 | 2.0 | 24 | | 22.0 kg | | 11.0 kg | | 22.0 kg |
| 12.027 | 20 | 2.0 | 30 | | 27.0kg | | 13.5kg | | 27.0kg |
| 12.028 | 25 | 3.0 | 35 | | 30.0 kg | | 15.0 kg | | 30.0 kg |



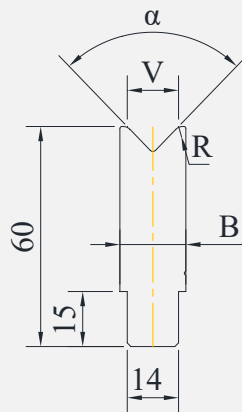
| Order Number | V (mm) | R (mm) | W (mm) | Price | Weight (KG) | Price | Weight (KG) | Price | Weight (KG) |
|--------------|--------|--------|--------|-------|-------------|-------|-------------|---------------|-------------|
| 12.029 | 6 | 0.8 | 14 | 835mm | 16.0 kg | 415mm | 8.0 kg | 835mm section | 16.0 kg |
| 12.030 | 8 | 1.0 | 14 | | 16.0 kg | | 8.0 kg | | 16.0 kg |
| 12.031 | 10 | 1.2 | 18 | | 18.8kg | | 9.4 kg | | 18.8kg |
| 12.032 | 12 | 1.5 | 18 | | 18.0 kg | | 9.0 kg | | 18.0 kg |
| 12.033 | 16 | 2.0 | 24 | | 22.4 kg | | 11.2 kg | | 22.4 kg |
| 12.034 | 20 | 2.0 | 30 | | 26.0kg | | 13.0 kg | | 26.0kg |
| 12.035 | 25 | 3.0 | 35 | | 29.0 kg | | 14.5 kg | | 29.0 kg |



| Order Number | V (mm) | R (mm) | W (mm) | Price | Weight (KG) | Price | Weight (KG) | Price | Weight (KG) |
|--------------|--------|--------|--------|-------|-------------|-------|-------------|---------------|-------------|
| 12.036 | 6 | 0.6 | 14 | 835mm | 16.0 kg | 415mm | 8.0 kg | 835mm section | 16.0 kg |
| 12.037 | 8 | 0.8 | 18 | | 19.0 kg | | 8.5 kg | | 19.0 kg |
| 12.038 | 10 | 1.0 | 24 | | 22.0 kg | | 11.0 kg | | 22.0 kg |
| 12.039 | 12 | 1.5 | 24 | | 22.0 kg | | 11.0 kg | | 22.0 kg |
| 12.040 | 16 | 2.0 | 30 | | 25.8 kg | | 12.9 kg | | 25.8 kg |
| 12.041 | 20 | 2.5 | 35 | | 28.0kg | | 14.0 kg | | 28.0kg |
| 12.042 | 25 | 3.0 | 40 | | 30.5 kg | | 15.2 kg | | 30.5 kg |

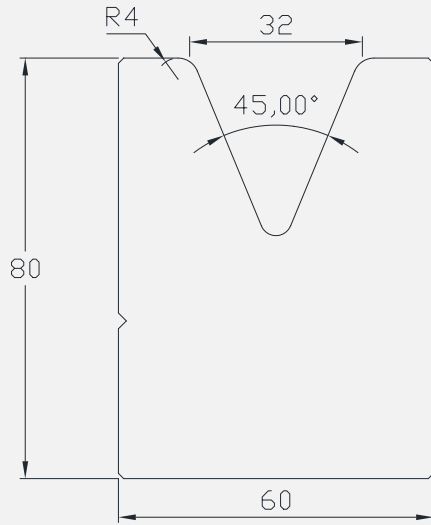


| Order Number | V (mm) | R (mm) | B (mm) | 835mm | Price | Weight (KG) | 415mm | Price | Weight (KG) | 835mm section | Price | Weight (KG) |
|--------------|--------|--------|--------|-------|-------|-------------|-------|-------|-------------|---------------|-------|-------------|
| | | | | | | | | | | | | |
| 12.043 | 6 | 0.8 | 14 | | | 5.3 kg | | | 2.6 kg | | | 5.3 kg |
| 12.044 | 8 | 1.0 | 18 | | | 6.3 kg | | | 3.1 kg | | | 6.3 kg |
| 12.045 | 10 | 1.2 | 24 | | | 7.8 kg | | | 3.9 kg | | | 7.8 kg |
| 12.046 | 12 | 1.5 | 24 | | | 7.6 kg | | | 3.8 kg | | | 7.6 kg |
| 12.047 | 16 | 2.0 | 30 | | | 8.8 kg | | | 4.4 kg | | | 8.8 kg |
| 12.048 | 20 | 2.0 | 35 | | | 9.4 kg | | | 4.7 kg | | | 9.4 kg |
| 12.049 | 25 | 3.0 | 45 | | | 12.7 kg | | | 6.3 kg | | | 12.7 kg |



| Order Number | V (mm) | R (mm) | B (mm) | 835mm | Price | Weight (KG) | 415mm | Price | Weight (KG) | 835mm section | Price | Weight (KG) |
|--------------|--------|--------|--------|-------|-------|-------------|-------|-------|-------------|---------------|-------|-------------|
| | | | | | | | | | | | | |
| 12.050 | 4 | 0.6 | 14 | | | 5.5 kg | | | 2.7 kg | | | 5.5 kg |
| 12.051 | 6 | 0.8 | 14 | | | 5.4 kg | | | 2.7 kg | | | 5.4 kg |
| 12.052 | 8 | 1.0 | 14 | | | 5.4 kg | | | 2.7 kg | | | 5.4 kg |
| 12.053 | 10 | 1.2 | 18 | | | 6.5 kg | | | 3.2 kg | | | 6.5 kg |
| 12.054 | 12 | 1.5 | 18 | | | 6.4 kg | | | 3.2 kg | | | 6.4 kg |
| 12.055 | 16 | 2.0 | 24 | | | 8.0kg | | | 4.0 kg | | | 8.0kg |
| 12.056 | 20 | 2.0 | 30 | | | 9.5 kg | | | 4.7 kg | | | 9.5 kg |
| 12.057 | 25 | 3.0 | 35 | | | 10.6 kg | | | 5.3 kg | | | 10.6 kg |

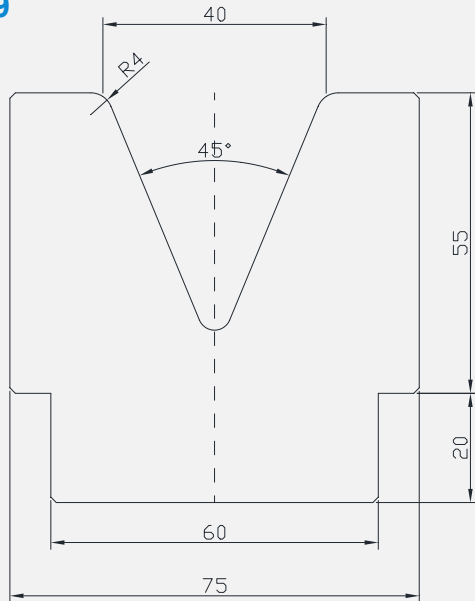
12.058



V32 45° R=4 H=80.00 Max T/m=100

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 12.058.835 | 835 mm | | 28.0 kg |
| 12.058.415 | 415 mm | | 14.0 kg |
| 12.058.835S | 835 mm | | 28.0 kg |

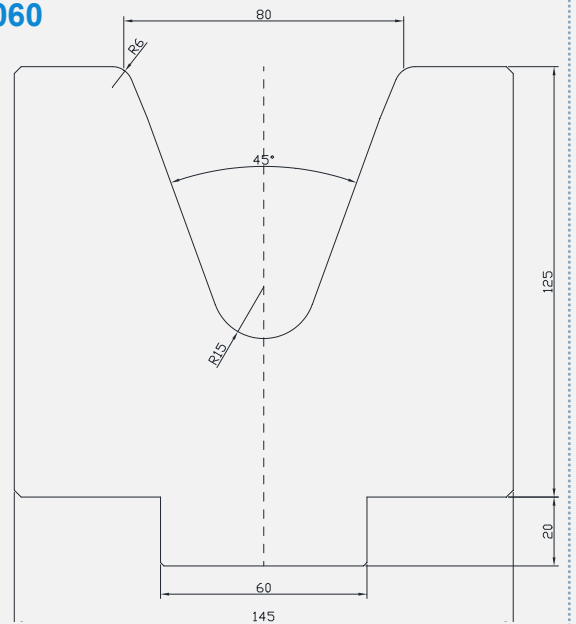
12.059



V40 45° R=4 H=75.00 Max T/m=100

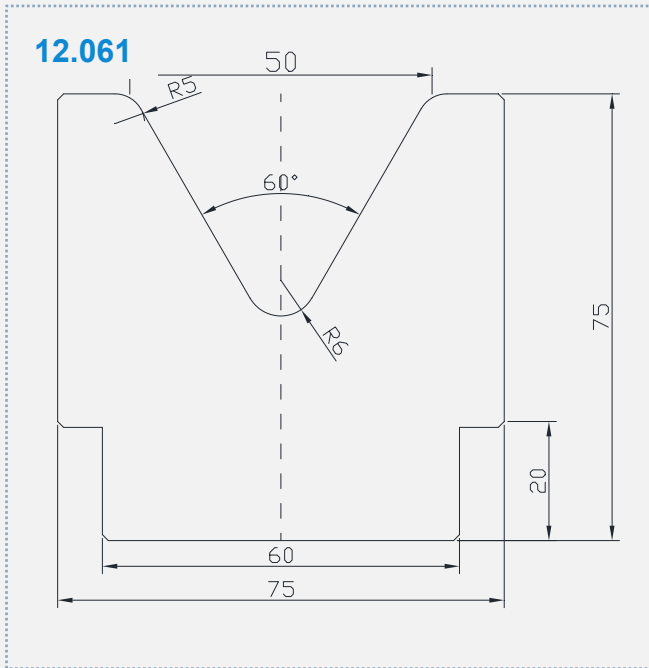
| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 12.059.835 | 835 mm | | 29.0 kg |
| 12.059.415 | 415 mm | | 14.5 kg |
| 12.059.835S | 835 mm | | 29.0 kg |

12.060



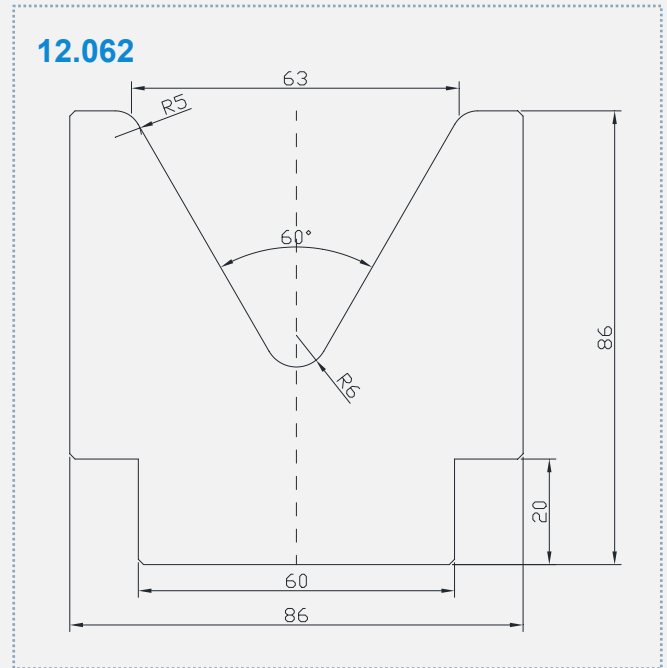
V80 45° R=6 H=165.00 Max T/m=100

| Order Number | Length | Price | Weight |
|--------------|--------|-------|----------|
| 12.060.835 | 835 mm | | 100.0 kg |
| 12.060.415 | 415 mm | | 50.0 kg |
| 12.060.835S | 835 mm | | 100.0 kg |



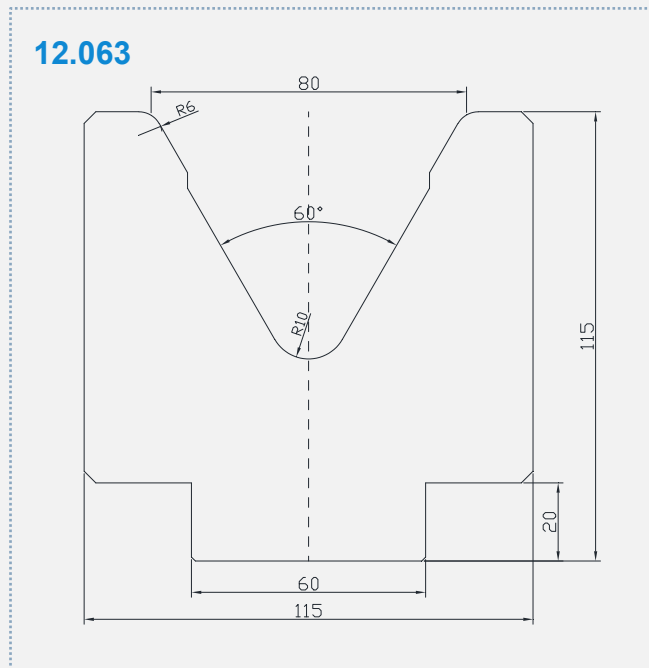
V50 60° R=5 H=75.00 Max T/m=100

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 12.061.835 | 835 mm | | 28.0 kg |
| 12.061.415 | 415 mm | | 14.0 kg |
| 12.061.835S | 835 mm | | 28.0 kg |



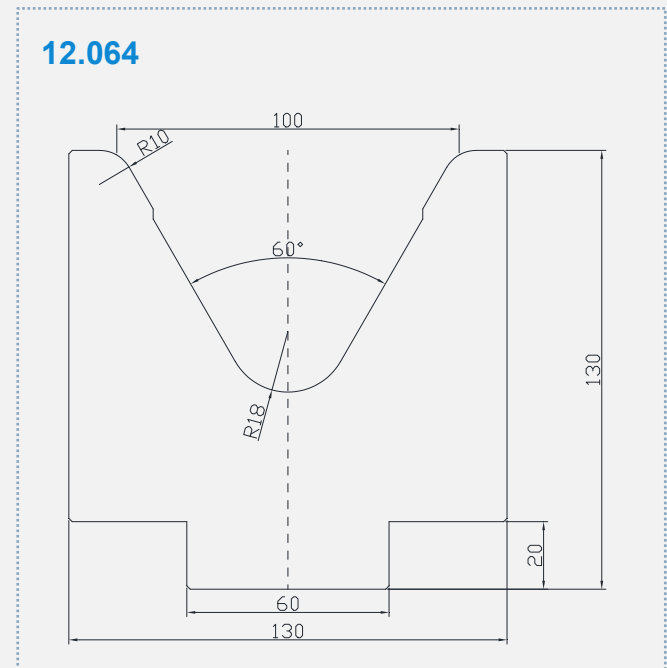
V50 60° R=5 H=75.00 Max T/m=100

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 12.062.835 | 835 mm | | 34.3 kg |
| 12.062.415 | 415 mm | | 17.2 kg |
| 12.062.835S | 835 mm | | 34.3 kg |



V80 60° R=6 H=115.00 Max T/m=100

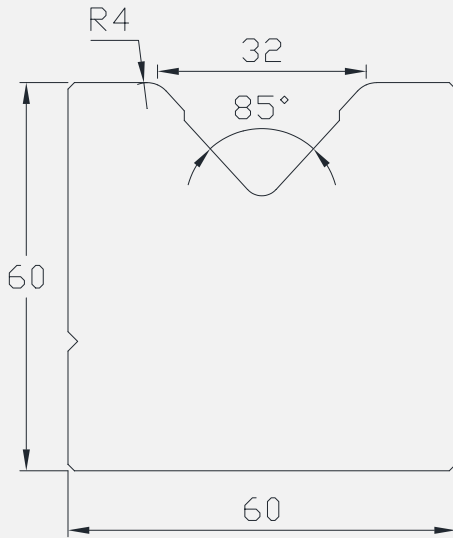
| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 12.063.835 | 835 mm | | 60.0 kg |
| 12.063.415 | 415 mm | | 30.0 kg |
| 12.063.835S | 835 mm | | 60.0 kg |



V100 60° R=10 H=130.00 Max T/m=100

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 12.064.835 | 835 mm | | 74.0 kg |
| 12.064.415 | 415 mm | | 37.0 kg |
| 12.064.835S | 835 mm | | 74.0 kg |

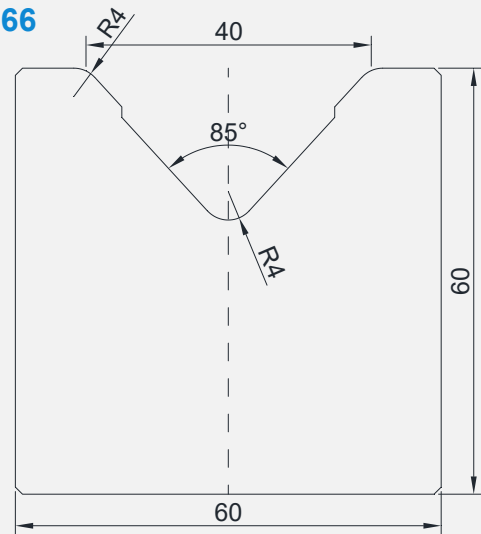
12.065



V32 85° R=4 H=60.00 Max T/m=100

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 12.065.835 | 835 mm | | 22.0 kg |
| 12.065.415 | 415 mm | | 11.0 kg |
| 12.065.835S | 835 mm | | 22.0 kg |

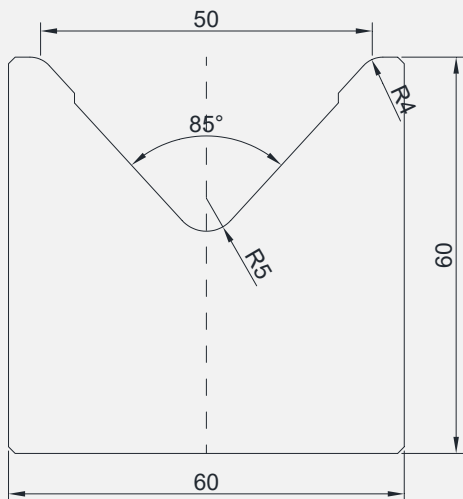
12.066



V40 85° R=4 H=60.00 Max T/m=100

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 12.066.835 | 835 mm | | 21.0 kg |
| 12.066.415 | 415 mm | | 10.5 kg |
| 12.066.835S | 835 mm | | 21.0 kg |

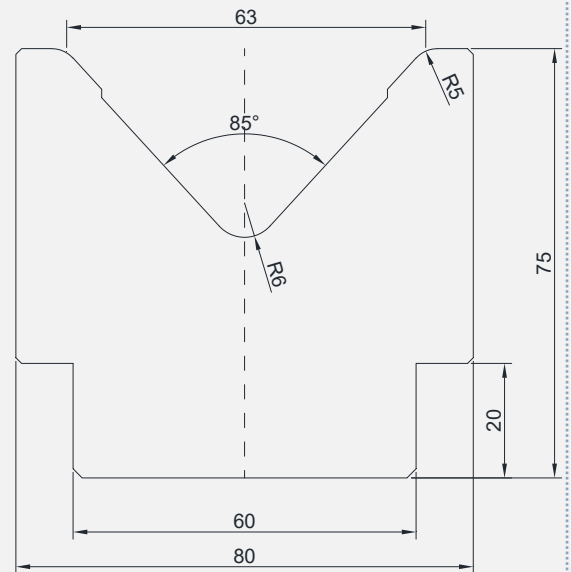
12.067



V50 85° R=4 H=60.00 Max T/m=100

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 12.067.835 | 835 mm | | 19.0 kg |
| 12.067.415 | 415 mm | | 9.5 kg |
| 12.067.835S | 835 mm | | 19.0 kg |

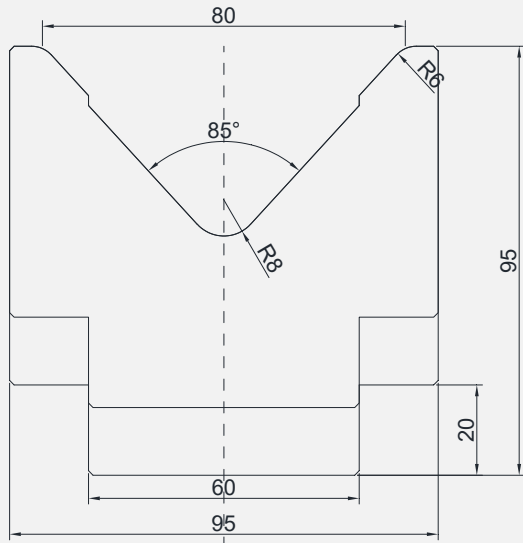
12.068



V63 85° R=6 H=75.00 Max T/m=100

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 12.068.835 | 835 mm | | 29.0 kg |
| 12.068.415 | 415 mm | | 14.5 kg |
| 12.068.835S | 835 mm | | 29.0 kg |

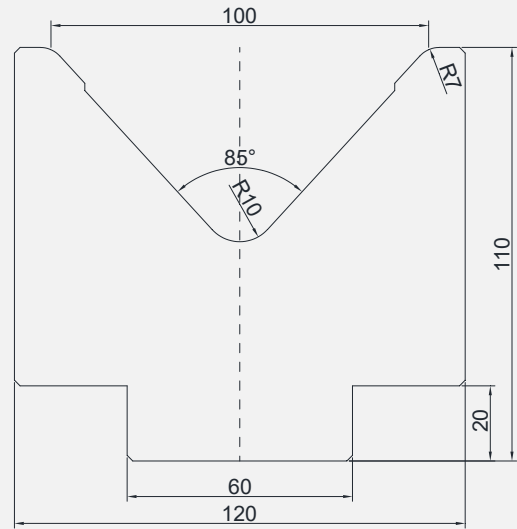
12.069



V80 85° R=6 H=75.00 Max T/m=100

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 12.069.835 | 835 mm | | 42.5 kg |
| 12.069.415 | 415 mm | | 22.0 kg |
| 12.069.835S | 835 mm | | 42.5 kg |

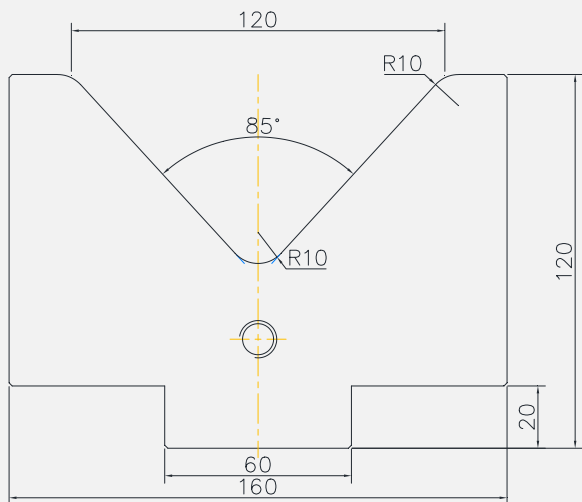
12.070



V100 85° R=7 H=110.00 Max T/m=100

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 12.070.835 | 835 mm | | 61.8 kg |
| 12.070.415 | 415 mm | | 31.0 kg |
| 12.070.835S | 835 mm | | 61.8 kg |

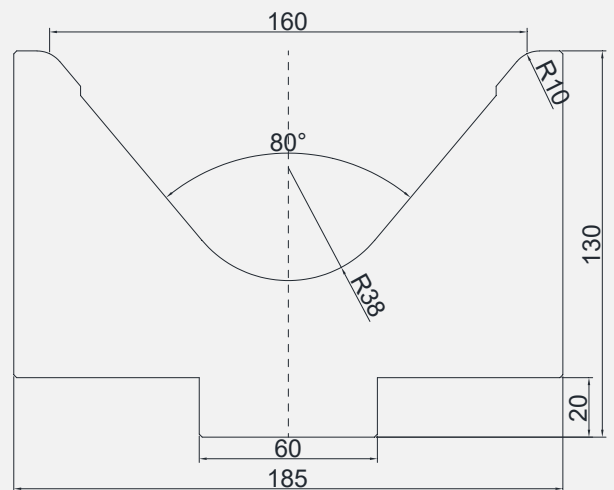
12.071



V120 85° R=7 H=120.00 Max T/m=100

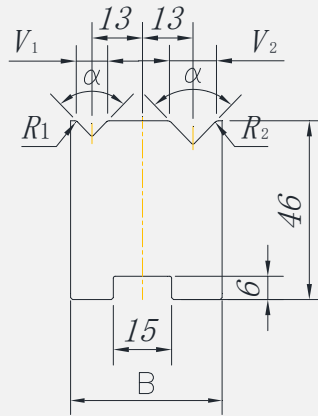
| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 12.071.835 | 835 mm | | 87.0 kg |
| 12.071.415 | 415 mm | | 43.5 kg |
| 12.071.835S | 835 mm | | 87.0 kg |

12.072

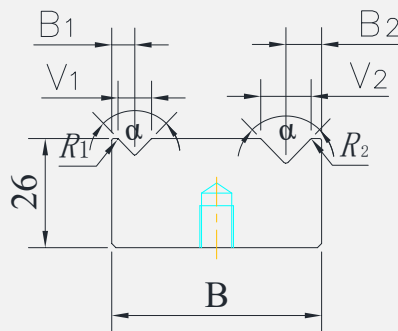


V160 80° R=10 H=130.00 Max T/m=100

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 12.072.835 | 835 mm | | 94.0 kg |
| 12.072.415 | 415 mm | | 47.0 kg |
| 12.072.835S | 835 mm | | 94.0 kg |

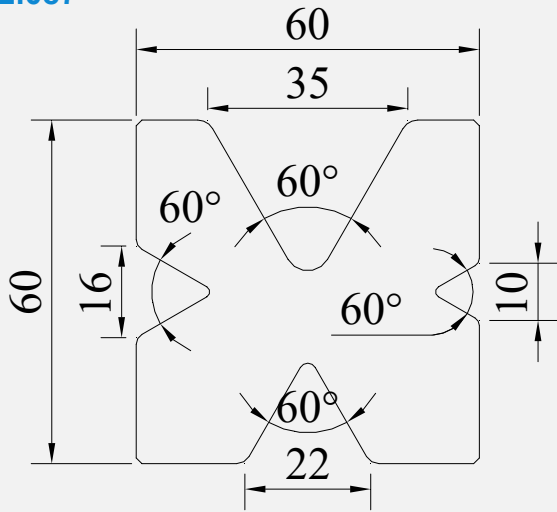


| Order Number | B (mm) | V1 (mm) | V2 (mm) | R1 (mm) | R2 (mm) | Price | Weight | Price | Weight | Price | Weight |
|--------------|--------|---------|---------|---------|---------|-------|---------|-------|--------|---------------|---------|
| 12.073 | 34.5 | 4 | 7 | 0.5 | 0.5 | 835mm | 9.5 kg | 415mm | 4.7 kg | 835mm section | 9.5 kg |
| 12.074 | 36 | 5 | 9 | 0.5 | 0.6 | | 9.8 kg | | 4.9 kg | | 9.8 kg |
| 12.075 | 37 | 6 | 10 | 0.5 | 0.8 | | 10.0 kg | | 5.0 kg | | 10.0 kg |
| 12.076 | 39 | 8 | 12 | 0.6 | 1.0 | | 10.8 kg | | 5.4 kg | | 10.8 kg |
| 12.077 | 45 | 14 | 18 | 1.0 | 1.5 | | 12.0 kg | | 6.0 kg | | 12.0 kg |
| 12.078 | 45.5 | 12 | 20 | 1.0 | 1.6 | | 12.0 kg | | 6.0 kg | | 12.0 kg |
| 12.079 | 50 | 16 | 25 | 1.2 | 2.0 | | 13.0 kg | | 6.5 kg | | 13.0 kg |



| Order Number | B (mm) | B1 (mm) | B2 (mm) | V1 (mm) | V2 (mm) | R1 (mm) | R2 (mm) | Price | Weight | Price | Weight | Price | Weight |
|--------------|--------|---------|---------|---------|---------|---------|---------|-------|---------|-------|--------|---------------|---------|
| 12.080 | 50 | 3.5 | 5.0 | 4 | 7 | 0.5 | 0.5 | 835mm | 9.5 kg | 415mm | 4.7 kg | 835mm section | 9.5 kg |
| 12.081 | 50 | 4.0 | 6.0 | 5 | 9 | 0.5 | 0.6 | | 9.8 kg | | 4.9 kg | | 9.8 kg |
| 12.082 | 50 | 4.5 | 6.5 | 6 | 10 | 0.5 | 0.8 | | 10.0 kg | | 5.0 kg | | 10.0 kg |
| 12.083 | 50 | 5.5 | 7.5 | 8 | 12 | 0.6 | 1.0 | | 10.8 kg | | 5.4 kg | | 10.8 kg |
| 12.084 | 50 | 8.5 | 10.5 | 14 | 18 | 1.0 | 1.5 | | 12.0 kg | | 6.0 kg | | 12.0 kg |
| 12.085 | 50 | 7.5 | 12.0 | 12 | 20 | 1.0 | 1.6 | | 12.0 kg | | 6.0 kg | | 12.0 kg |
| 12.086 | 50 | 9.5 | 14.5 | 16 | 25 | 1.2 | 2.0 | | 13.0 kg | | 6.5 kg | | 13.0 kg |

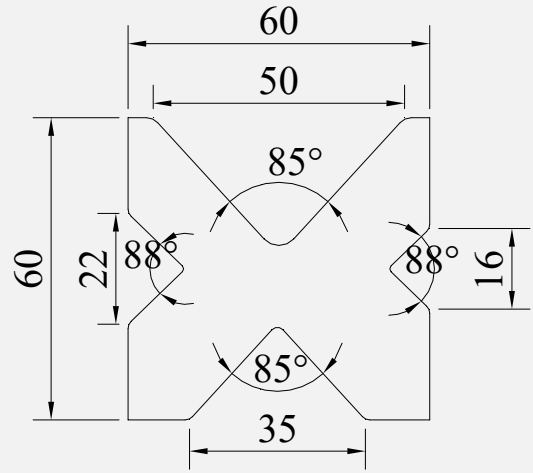
12.087



V10/60 V16/60 V22/60 V35/60

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 12.087.835 | 835 mm | | 18.0 kg |
| 12.087.415 | 415 mm | | 9.0 kg |
| 12.087.835S | 835 mm | | 18.0 kg |

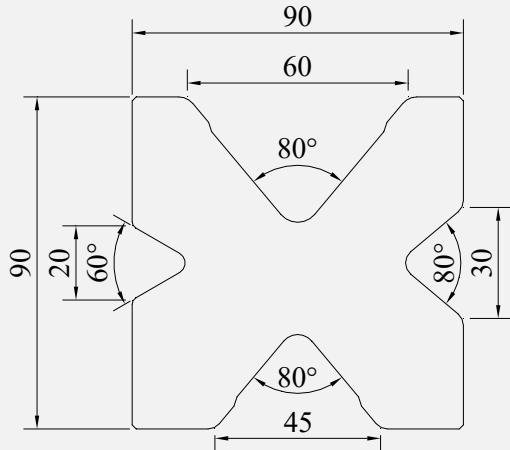
12.088



V16/88 V22/88 V35/85 V50/85

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 12.088.835 | 835 mm | | 15.7 kg |
| 12.088.415 | 415 mm | | 7.8 kg |
| 12.088.835S | 835 mm | | 15.7 kg |

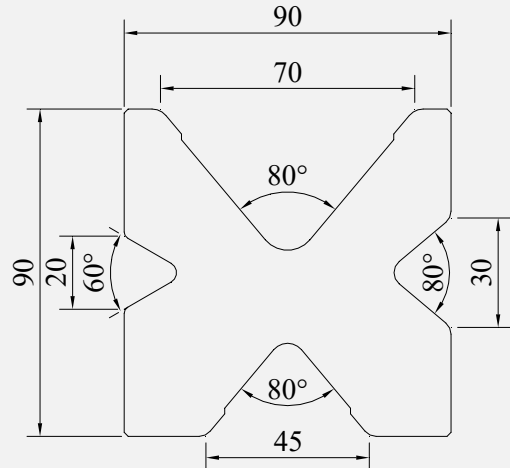
12.089



V20/60 V30/80 V45/80 V60/80

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 12.089.835 | 835 mm | | 39.0 kg |
| 12.089.415 | 415 mm | | 19.5 kg |
| 12.089.835S | 835 mm | | 39.0 kg |

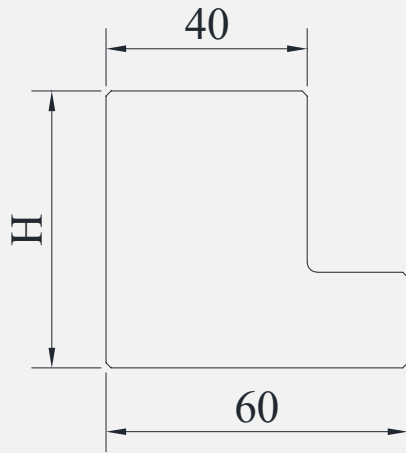
12.090



V20/60 V30/80 V45/80 V70/80

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 12.090.835 | 835 mm | | 36.0 kg |
| 12.090.415 | 415 mm | | 18.0 kg |
| 12.090.835S | 835 mm | | 36.0 kg |

12.101



H=55

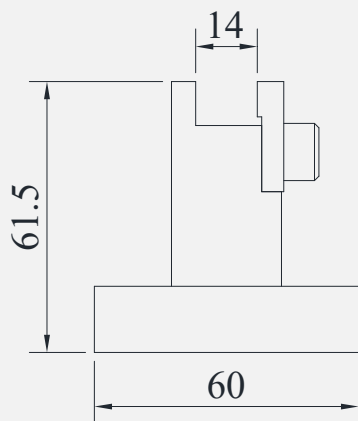
| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 12.101.835 | 835 mm | | 14.0 kg |
| 12.101.415 | 415 mm | | 7.0 kg |

12.102



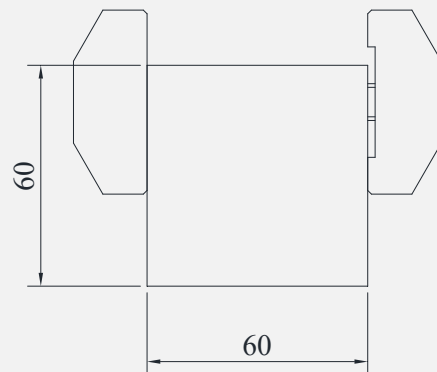
| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 12.102.835 | 835 mm | | 15.7 kg |
| 12.102.415 | 415 mm | | 7.8 kg |

12.103



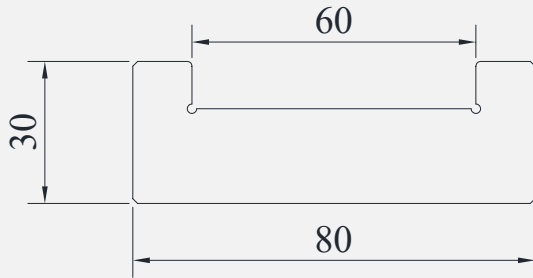
| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 12.103.835 | 835 mm | | 17.0 kg |
| 12.104.415 | 415 mm | | 8.5 kg |

12.104

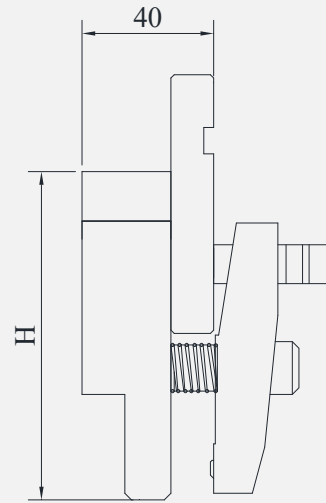


| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 12.104.835 | 835 mm | | 29.0 kg |
| 12.104.415 | 415 mm | | 14.5 kg |

12.105

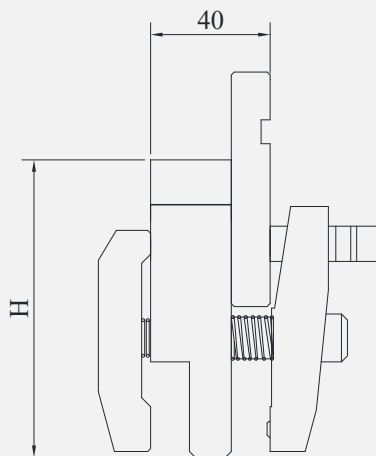


11.101

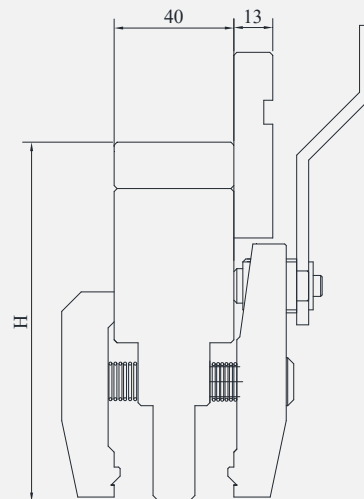


| Order Number | Length | Price | Weight |
|--------------|---------|-------|---------|
| 12.105.1050 | 1050 mm | | 15.0 kg |
| 12.105.520 | 520 mm | | 7.5 kg |

11.102

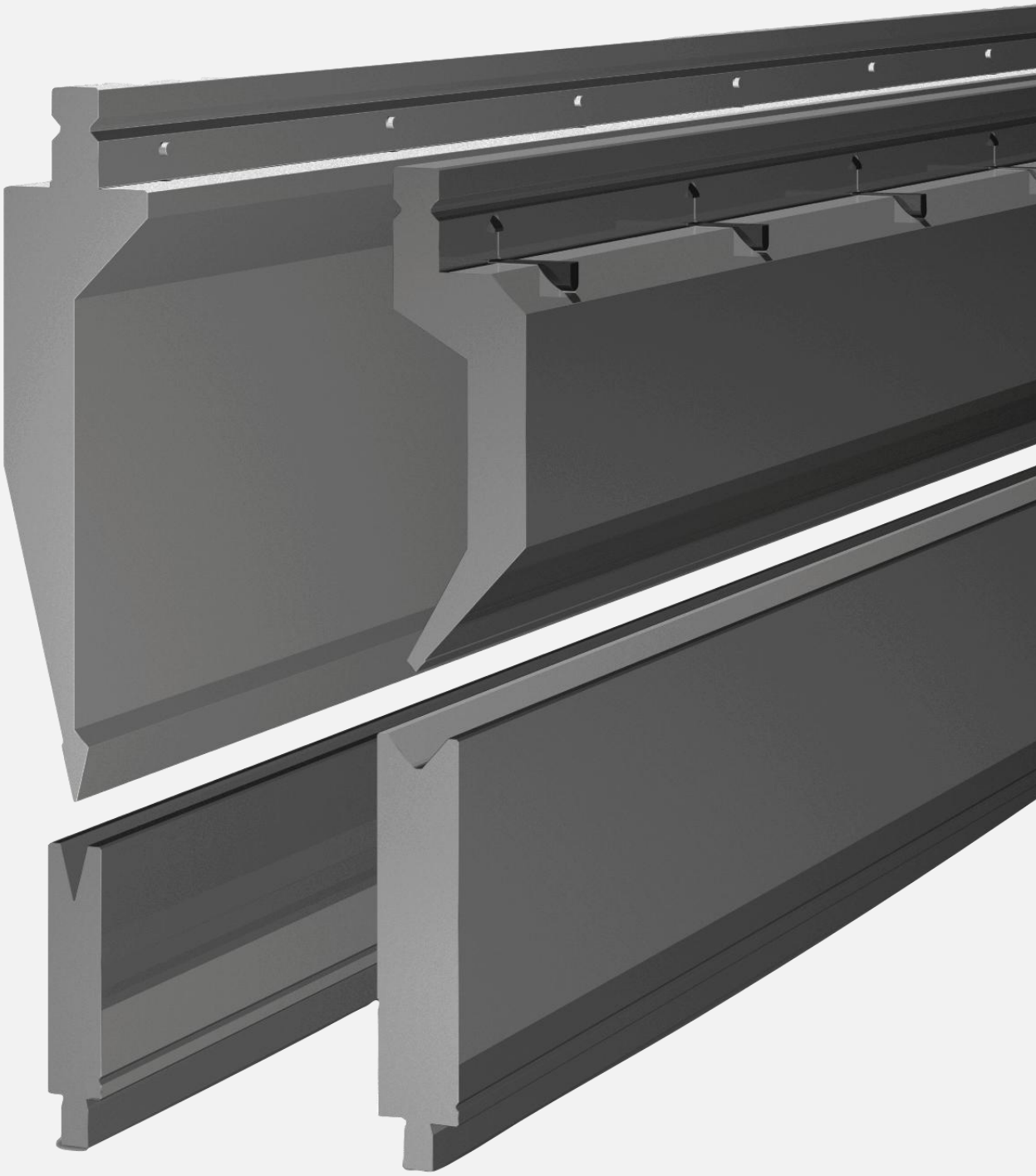


11.103



Wila-Trumpf Style

Precision Press Brake Tooling



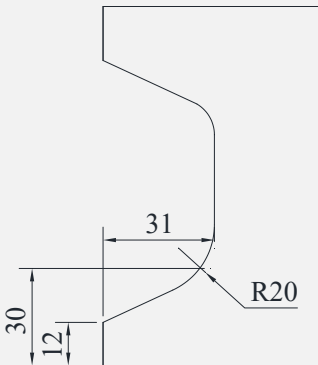
Wila-Trumpf Precision Press Brake Tooling

ADVANTAGES

- ☑ Optimum materials
42 CrMo4, tempered to 1100-1200 N/mm²
- ☑ Whole body hardened up to 45-50 HRC
- ☑ Precision ground
- ☑ Guaranteed exchangeability
- ☑ Parallelism
- ☑ Punch/top-tool clamping in two different models
 - Simple Clamp
 - Safety pin
- ☑ Self centering
- ☑ Usable on both sides
- ☑ Tool marking with all significant information

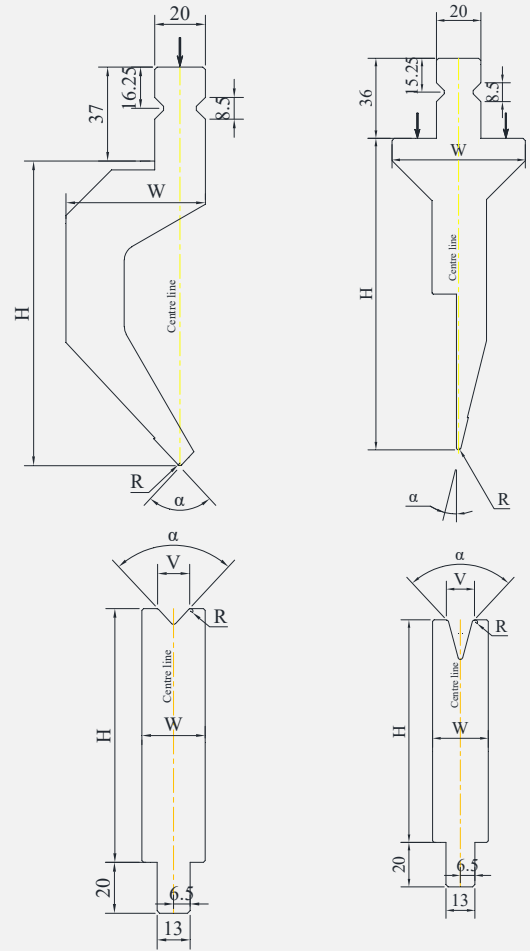
Horn extensions

- ☐ Horn extensions for section punch



Force on head

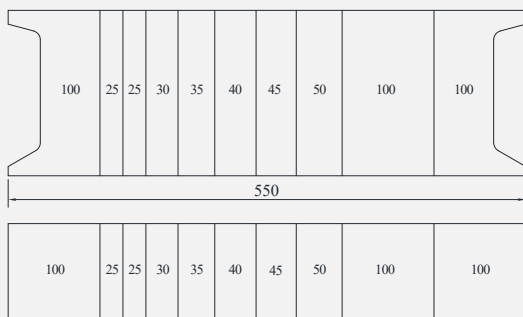
Force on shoulder



Tooling Length

- ☐ Length 500 mm
- ☐ Length 550 mm section

Section punch/die are delivered as a complete set



Punch

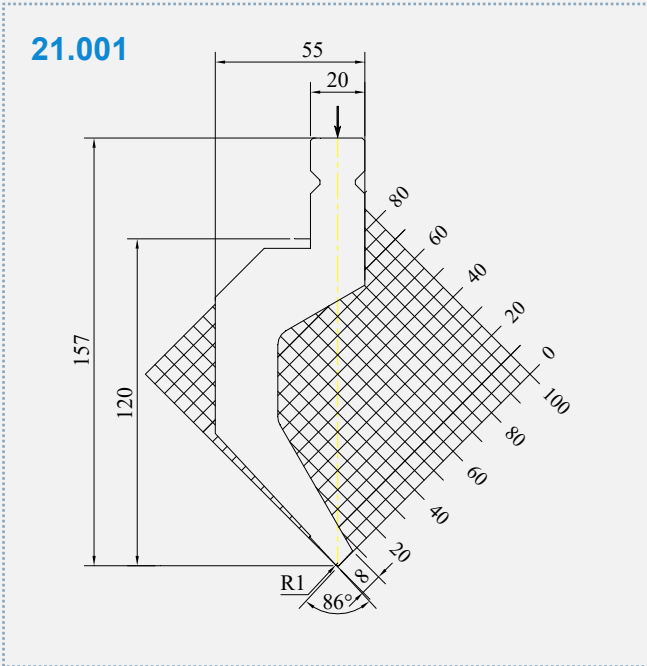
Die



Simple Clamp

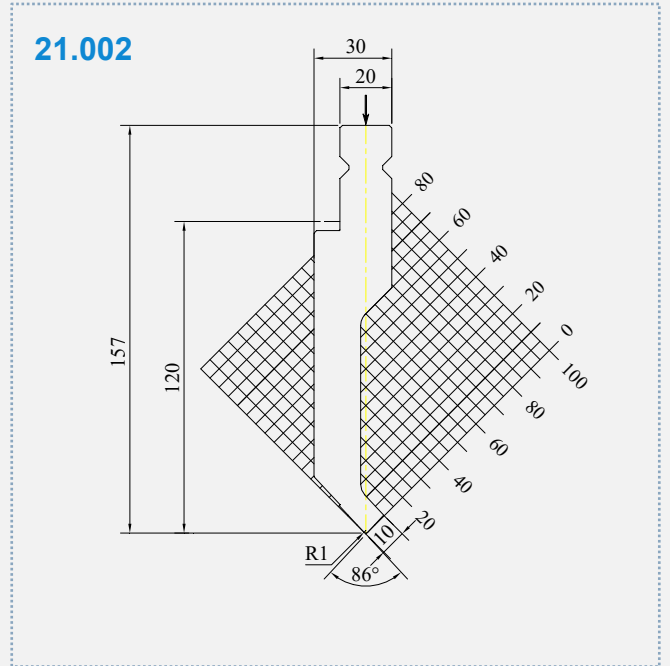
Safety pin

Wila-Trumpf Style Punch



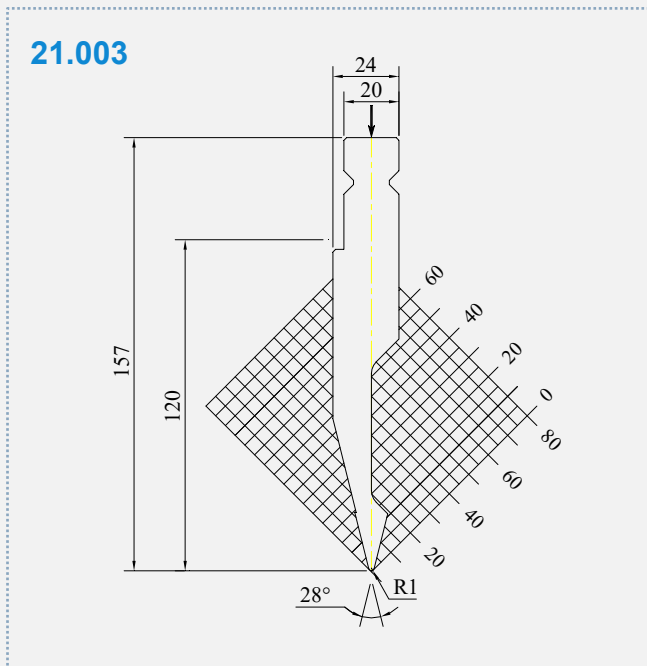
$\alpha=86$ R=1.0 H=157.00 Max T/m=80

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 21.001.500 | 500 mm | | 15.0 kg |
| 21.001.250 | 250 mm | | 7.5 kg |
| 21.001.550S | 550 mm | | 16.5 kg |



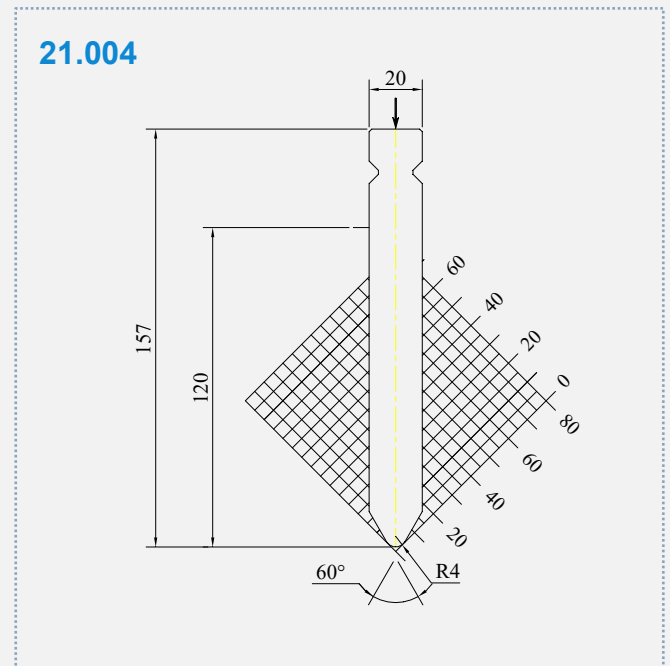
$\alpha=86$ R=1.0 H=157.00 Max T/m=80

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 21.002.500 | 500 mm | | 12.6 kg |
| 21.002.250 | 250 mm | | 6.2 kg |
| 21.002.550S | 550 mm | | 13.2 kg |



$\alpha=28$ R=1.0 H=157.00 Max T/m=80

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 21.003.500 | 500 mm | | 10.0 kg |
| 21.003.250 | 250 mm | | 5.0 kg |
| 21.003.550S | 550 mm | | 11.0 kg |

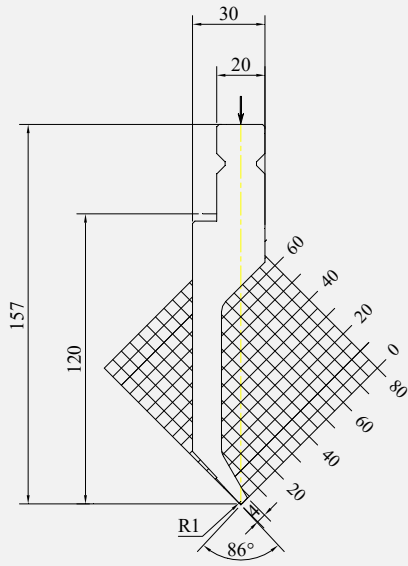


$\alpha=60$ R=4.0 H=157.00 Max T/m=130

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 21.004.500 | 500 mm | | 12.0 kg |
| 21.004.250 | 250 mm | | 6.0 kg |
| 21.004.550S | 550 mm | | 13.5 kg |

Wila Trumpf Style Punch

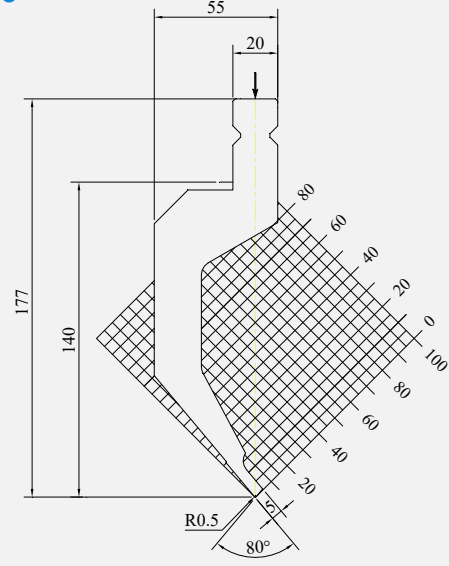
21.005



$\alpha=86$ R=1.0 H=157.00 Max T/m=70

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 21.005.500 | 500 mm | | 10.0 kg |
| 21.005.250 | 250 mm | | 5.0 kg |
| 21.005.550S | 550 mm | | 11.0 kg |

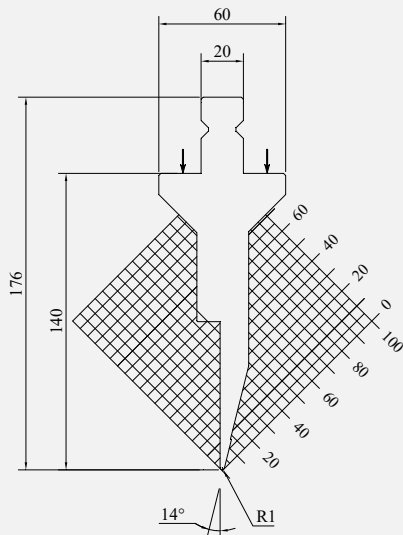
21.006



$\alpha=80$ R=0.5 H=177.00 Max T/m=40

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 21.006.500 | 500 mm | | 15.5 kg |
| 21.006.250 | 250 mm | | 7.8 kg |
| 21.006.550S | 550 mm | | 17.0 kg |

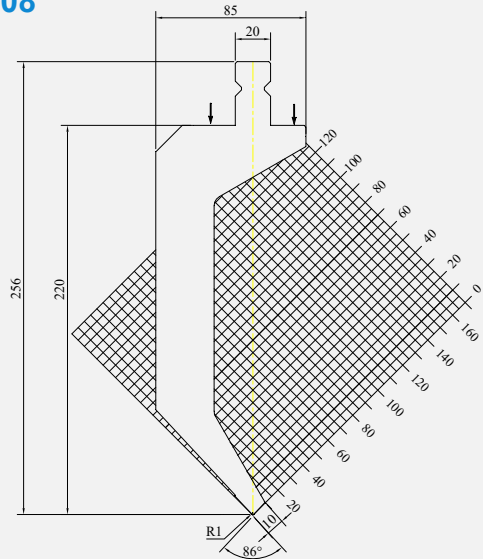
21.007



$\alpha=14$ R=1.0 H=176.00 Max T/m=40

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 21.007.500 | 500 mm | | 14.5 kg |
| 21.007.250 | 250 mm | | 7.5 kg |
| 21.007.550S | 550 mm | | 16.5 kg |

21.008

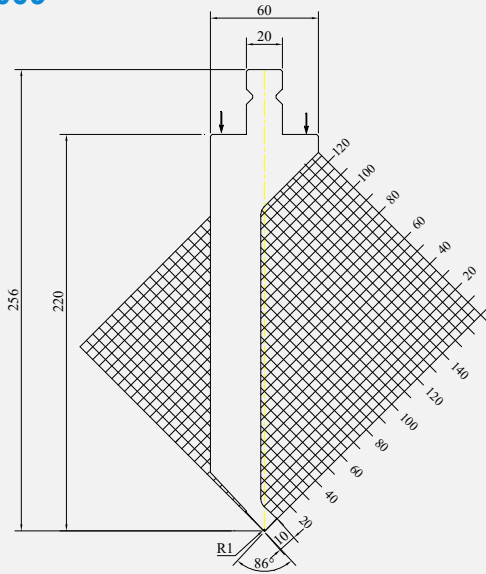


$\alpha=86$ R=1.0 H=256.00 Max T/m=80

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 21.008.500 | 500 mm | | 33.5 kg |
| 21.008.250 | 250 mm | | 17 kg |
| 21.008.550S | 550 mm | | 37 kg |

Wila Trumpf Style Punch

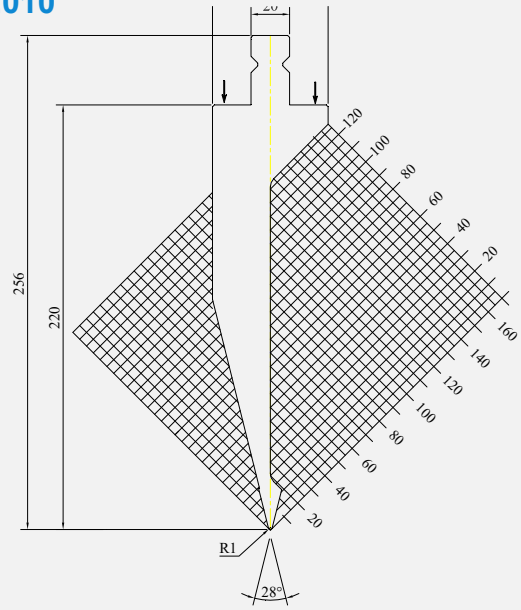
21.009



$\alpha=86$ R=1.0 H=256.00 Max T/m=80

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 21.009.500 | 500 mm | | 28.5 kg |
| 21.009.250 | 250 mm | | 14.5 kg |
| 21.009.550S | 550 mm | | 32 kg |

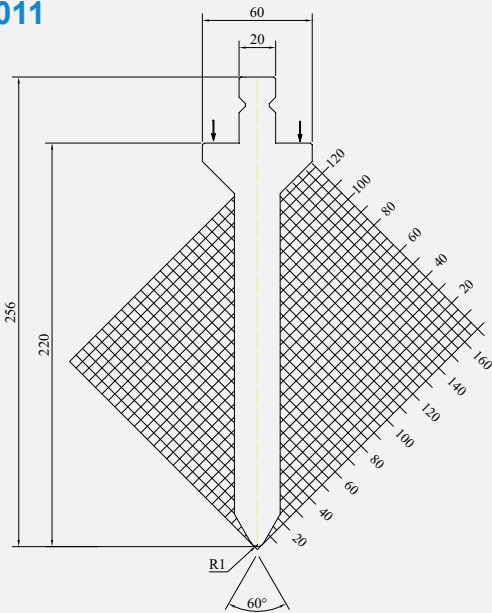
21.010



$\alpha=28$ R=1.0 H=256.00 Max T/m=60

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 21.010.500 | 500 mm | | 25 kg |
| 21.010.250 | 250 mm | | 12.5 kg |
| 21.010.550S | 550 mm | | 28 kg |

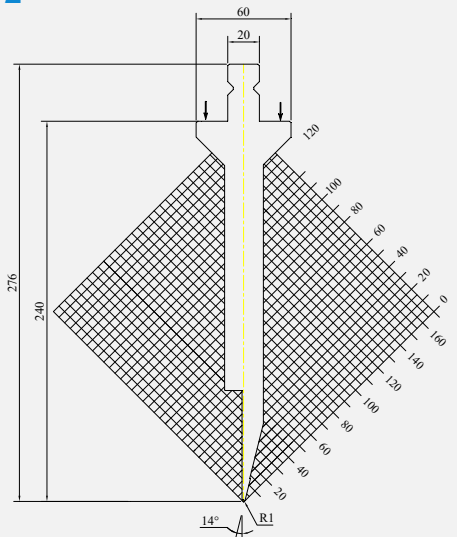
21.011



$\alpha=60$ R=1.0 H=256.00 Max T/m=120

| Order Number | Length | Price | Weight |
|--------------|--------|-------|--------|
| 21.011.500 | 500 mm | | 26 kg |
| 21.011.250 | 250 mm | | 13 kg |
| 21.011.550S | 550 mm | | 29 kg |

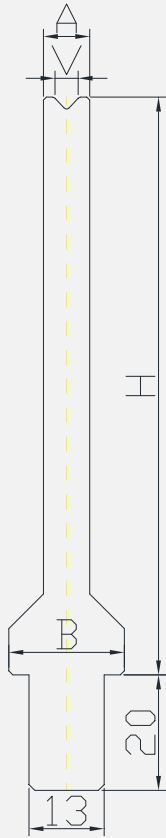
21.012



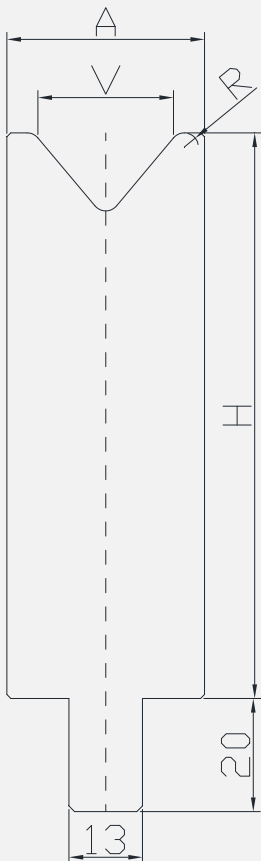
$\alpha=14$ R=1.0 H=276.00 Max T/m=40

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 21.012.500 | 500 mm | | 24 kg |
| 21.012.250 | 250 mm | | 12 kg |
| 21.012.550S | 550 mm | | 26.5 kg |

Wila Trumpf Style Die

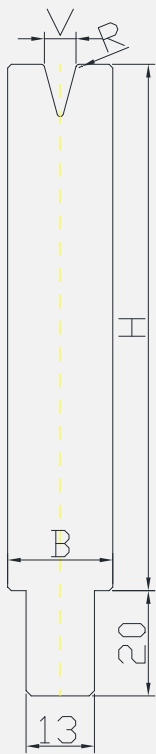
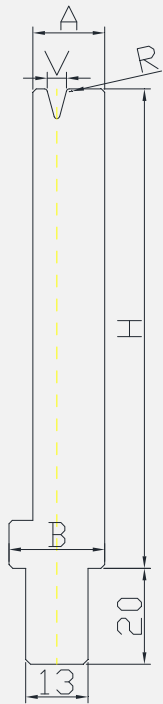


| Order Number | V (mm) | H (mm) | R (mm) | A-B (mm) | Max (T/m) | Price | Weight (KG) | Price | Weight (KG) |
|--------------|--------|--------|--------|----------|-----------|-------|-------------|---------------|-------------|
| 22.001 | 4 | 100 | 0.6 | 8-20 | 30 | | 4.5 kg | | 5.0 kg |
| 22.002 | 5 | 100 | 0.6 | 8-20 | 25 | | 4.5 kg | | 5.0 kg |
| 22.003 | 6 | 100 | 0.6 | 20 | 100 | 500mm | 9.0kg | 550mm section | 9.9kg |
| 22.004 | 8 | 100 | 0.8 | 20 | 100 | | 9.0 kg | | 9.9 kg |
| 22.005 | 10 | 100 | 1.0 | 20 | 100 | | 9.0 kg | | 9.9 kg |
| 22.006 | 12 | 100 | 1.0 | 25 | 100 | | 10.5kg | | 11.6kg |
| 22.007 | 16 | 100 | 1.6 | 30 | 100 | | 12.5 kg | | 13.8 kg |
| 22.008 | 20 | 100 | 2.0 | 30 | 100 | | 12.5 kg | | 13.8 kg |

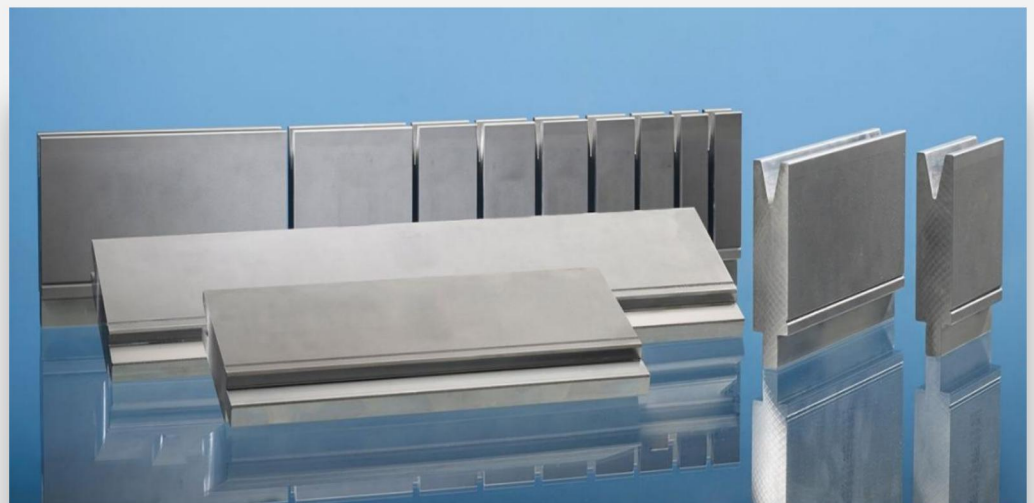


| Order Number | V (mm) | H (mm) | R (mm) | A (mm) | Max (T/m) | Price | Weight (KG) | Price | Weight (KG) |
|--------------|--------|--------|--------|--------|-----------|-------|-------------|---------------|-------------|
| 22.009 | 24 | 100 | 2.5 | 35 | 100 | | 14.0 kg | | 15.4 kg |
| 22.010 | 30 | 100 | 5.0 | 45 | 100 | | 17.5 kg | | 19.3 kg |
| 22.011 | 40 | 100 | 5.0 | 55 | 100 | 500mm | 20.5kg | 550mm section | 22.6kg |
| 22.012 | 50 | 100 | 5.0 | 65 | 150 | | 23.0 kg | | 25.3 kg |
| 22.013 | 60 | 100 | 5.0 | 75 | 150 | | 26.0 kg | | 28.6 kg |
| 22.014 | 70 | 100 | 5.0 | 85 | 150 | | 28.0kg | | 30.8kg |
| 22.015 | 80 | 100 | 5.0 | 100 | 150 | | 32.0 kg | | 35.2 kg |
| 22.016 | 90 | 120 | 8.0 | 110 | 150 | | 42.5kg | | 46.8kg |
| 22.017 | 100 | 120 | 8.0 | 120 | 150 | | 44.5 kg | | 49.0 kg |

Wila Trumpf Style Die

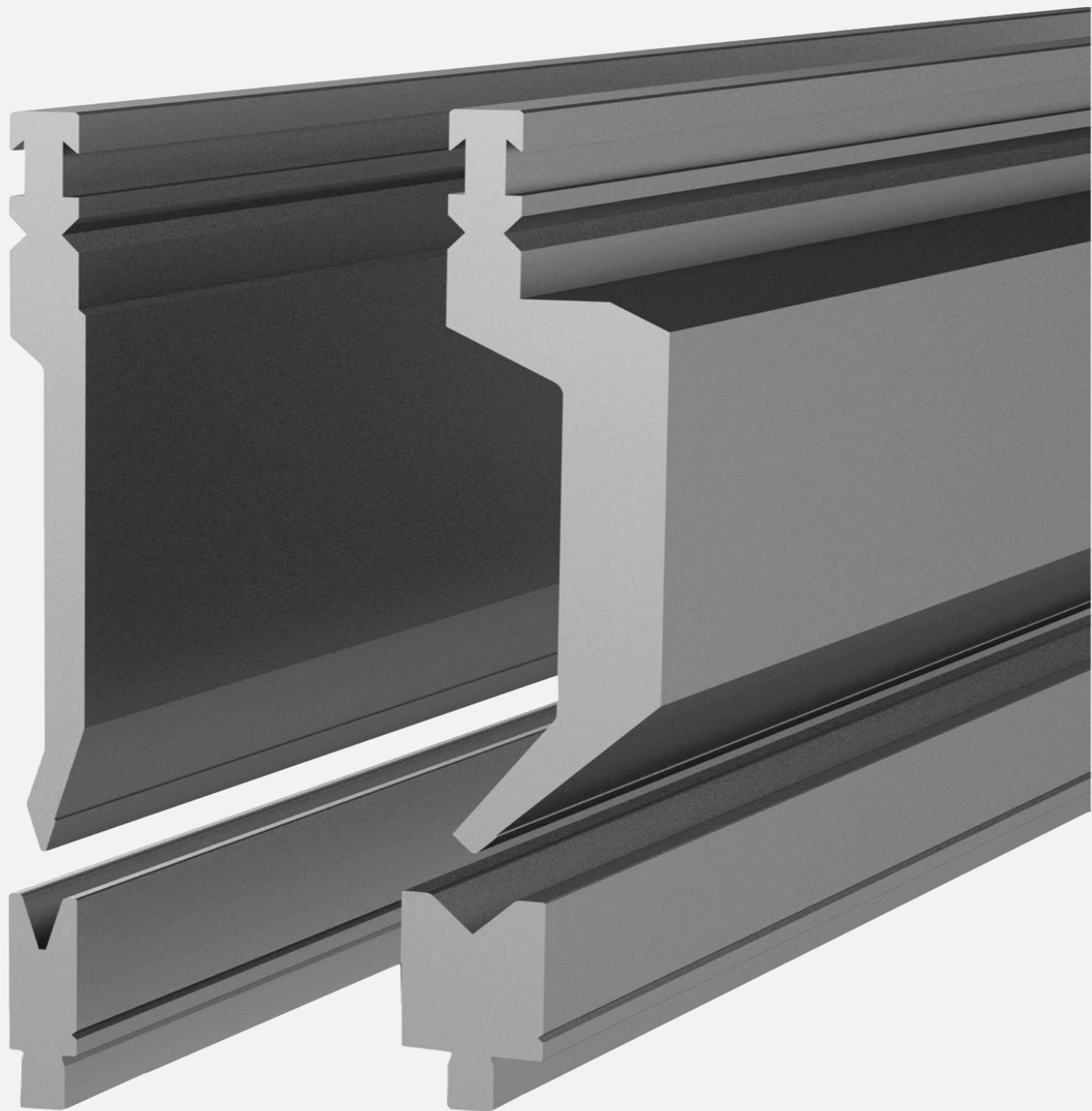


| Order Number | V (mm) | H (mm) | R (mm) | A-B (mm) | Max (T/m) | Price | Weight (KG) | Price | Weight (KG) |
|--------------|--------|--------|--------|----------|-----------|-------|-------------|---------------|-------------|
| 22.018 | 4 | 100 | 0.6 | 15-20 | 20 | | 7.0 kg | | 7.7 kg |
| 22.019 | 5 | 100 | 0.6 | 15-20 | 15 | | 7.0 kg | | 7.7 kg |
| 22.020 | 6 | 100 | 0.6 | 20 | 40 | | 9.0kg | | 9.9kg |
| 22.021 | 8 | 100 | 1.0 | 20 | 40 | | 9.0 kg | | 9.9 kg |
| 22.022 | 10 | 100 | 1.0 | 20 | 40 | | 9.0 kg | | 9.9 kg |
| 22.023 | 12 | 100 | 1.0 | 25 | 40 | 500mm | 10.0kg | 550mm section | 11.0kg |
| 22.024 | 16 | 100 | 1.6 | 30 | 50 | | 12.0 kg | | 13.2 kg |
| 22.025 | 20 | 100 | 2.0 | 35 | 60 | | 13.0 kg | | 14.3 kg |
| 22.026 | 24 | 100 | 2.5 | 40 | 65 | | 14.5 kg | | 16.0 kg |
| 22.027 | 30 | 100 | 3.0 | 55 | 90 | | 19.0kg | | 20.9 kg |
| 22.028 | 40 | 100 | 5.0 | 60 | 90 | | 18.5kg | | 20.4kg |
| 22.029 | 50 | 100 | 5.0 | 75 | 100 | | 21.5 kg | | 23.7 kg |



Bystronic Style

Precision Press Brake Tooling



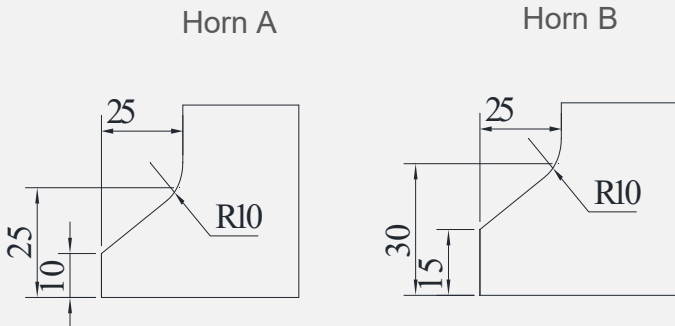
Bystronic Precision Press Brake Tooling

ADVANTAGES

- Optimum materials
42 CrMo4, tempered to 1100-1200 N/mm²
- Whole body hardened up to 45-50 HRC
- Precision ground
- Guaranteed exchangeability
- Parallelism
- Punch/top-tool clamping in two different models
 - Simple Clamp
 - Safety pin
- Self centering
- Usable on both sides
- Tool marking with all significant information

Horn extensions

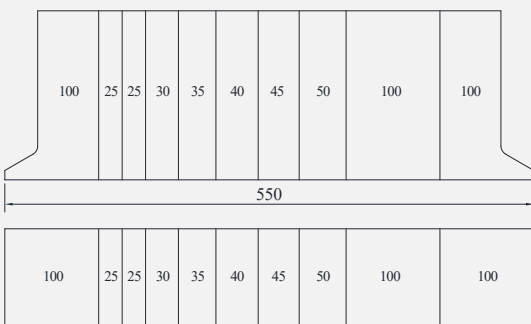
- Horn extensions for section punch



Tooling Length

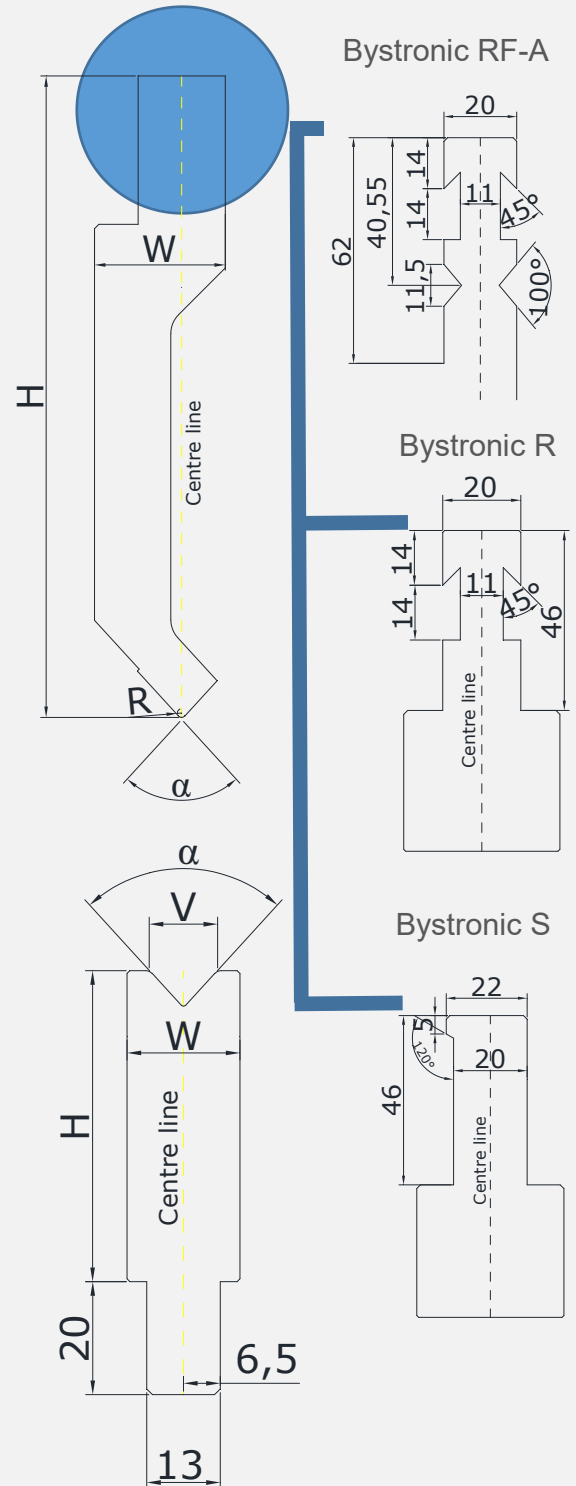
- Length 500 mm
- Length 550 mm section

Section punch/die are delivered as a complete set



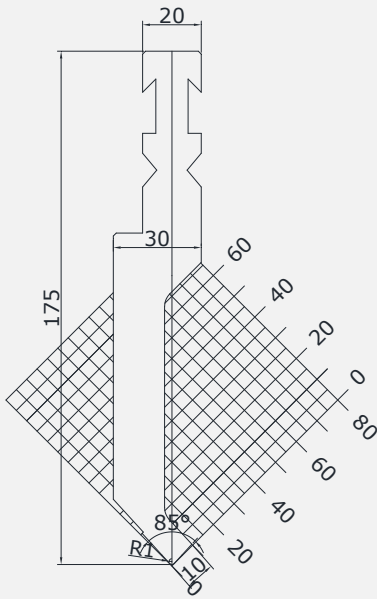
Punch

Die

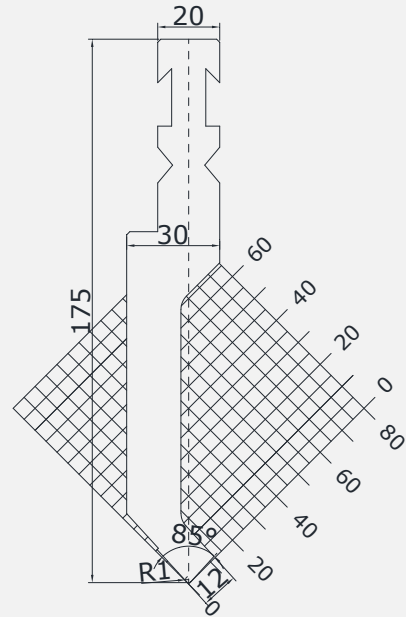


Bystronic Style Punch

31.001



31.002



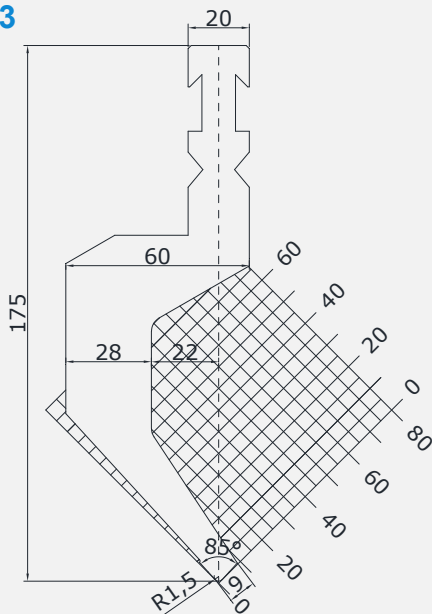
$\alpha=85$ R=1.0 H=175.00 Max T/m=120

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 31.001.515 | 515 mm | | 12.5 kg |
| 31.001.300 | 300 mm | | 7.2 kg |
| 31.001.550S | 550 mm | | 9.5 kg |

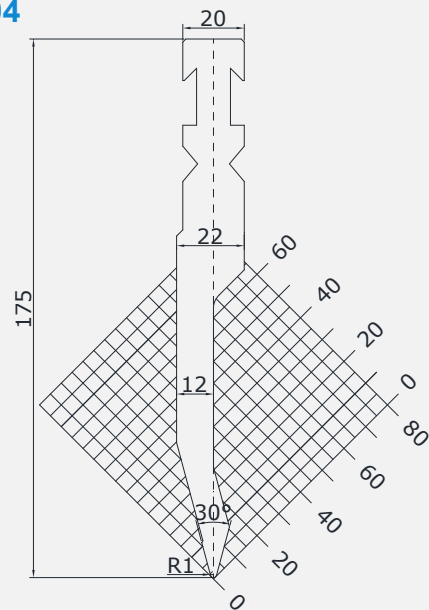
$\alpha=85$ R=1.0 H=175.00 Max T/m=120

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 31.002.515 | 515 mm | | 12.5 kg |
| 31.002.300 | 300 mm | | 7.2 kg |
| 31.002.550S | 550 mm | | 9.5 kg |

31.003



31.004



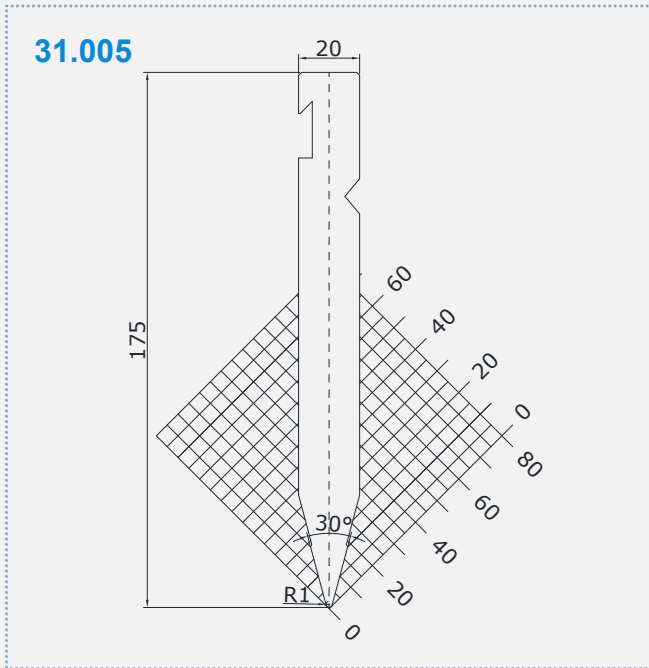
$\alpha=85$ R=1.5 H=175.00 Max T/m=80

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 31.003.515 | 515 mm | | 16.6 kg |
| 31.003.300 | 300 mm | | 9.7 kg |
| 31.003.550S | 550 mm | | 17.8 kg |

$\alpha=30$ R=1.0 H=175.00 Max T/m=100

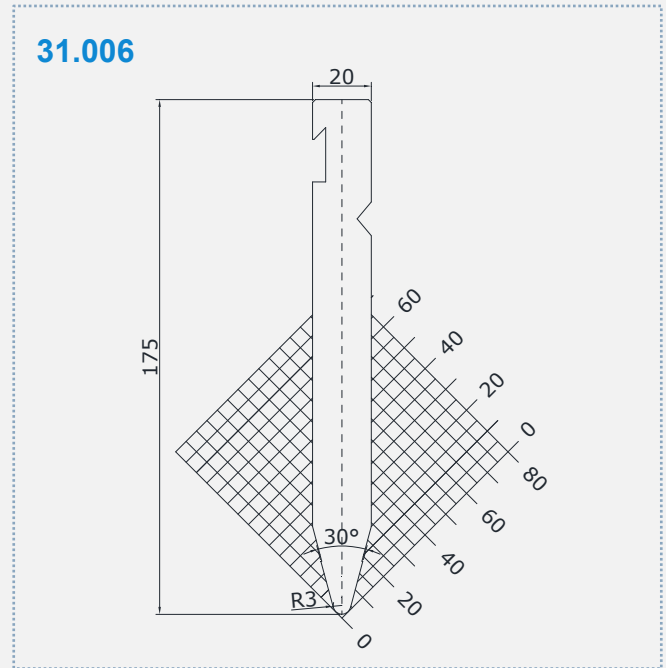
| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 31.004.515 | 515 mm | | 9.7 kg |
| 31.004.300 | 300 mm | | 5.7 kg |
| 31.004.550S | 550 mm | | 10.4 kg |

Bystronic Style Punch



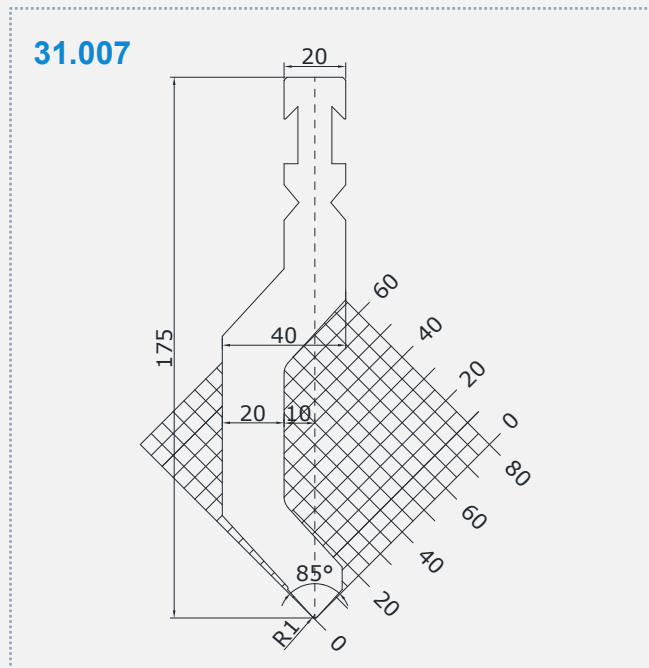
$\alpha=30$ $R=1.0$ $H=175.00$ $\text{Max T/m}=150$

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 31.005.515 | 515 mm | | 12.4 kg |
| 31.005.300 | 300 mm | | 7.2 kg |
| 31.005.550S | 550 mm | | 13.2 kg |



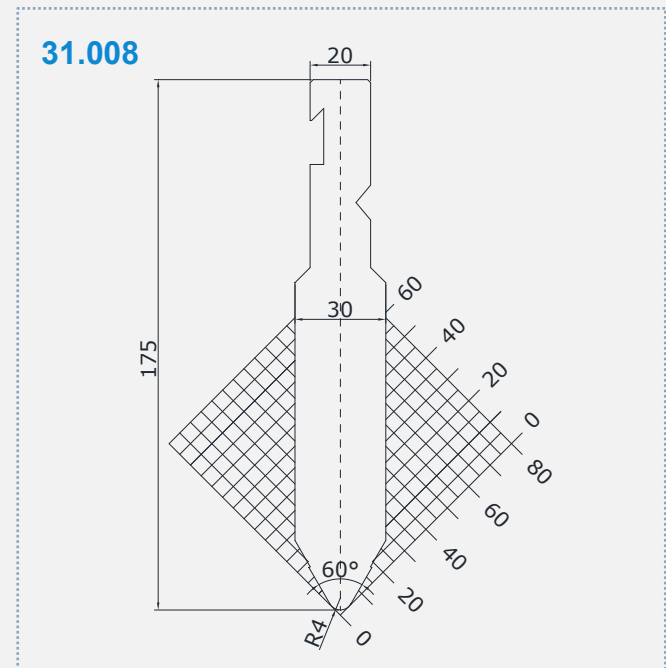
$\alpha=30$ $R=3.0$ $H=175.00$ $\text{Max T/m}=160$

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 31.006.515 | 515 mm | | 12.8 kg |
| 31.006.300 | 300 mm | | 7.4 kg |
| 31.006.550S | 550 mm | | 13.5 kg |



$\alpha=85$ $R=1.0$ $H=175.00$ $\text{Max T/m}=100$

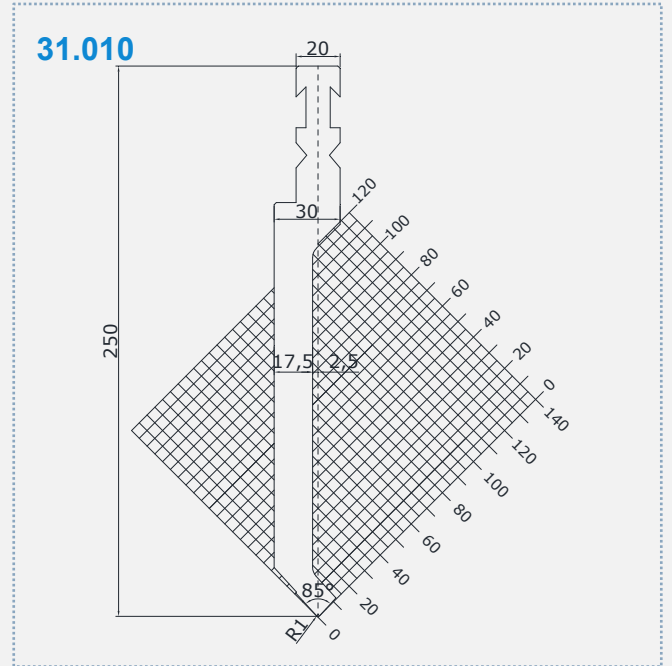
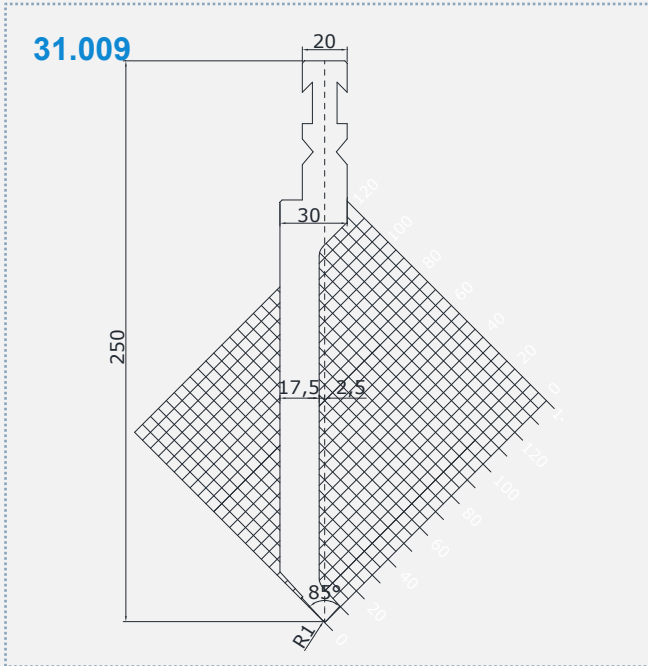
| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 31.007.515 | 515 mm | | 14.0 kg |
| 31.007.300 | 300 mm | | 8.2 kg |
| 31.007.550S | 550 mm | | 15.0 kg |



$\alpha=60$ $R=4.0$ $H=175.00$ $\text{Max T/m}=150$

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 31.008.515 | 515 mm | | 17.0 kg |
| 31.008.300 | 300 mm | | 10.0 kg |
| 31.008.550S | 550 mm | | 18.2 kg |

Bystronic Style Punch

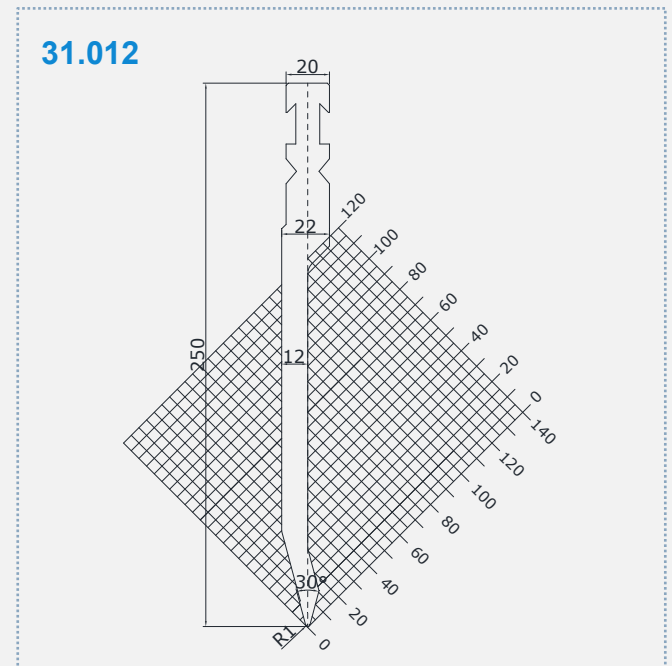
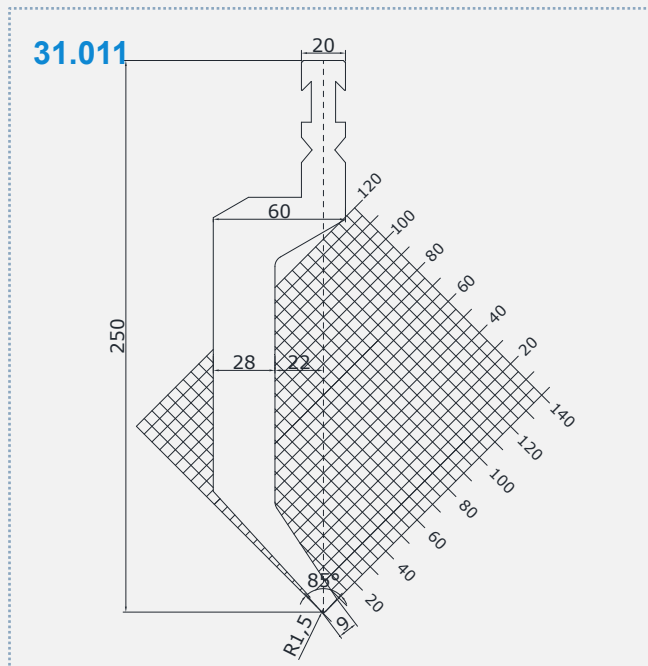


$\alpha=85$ R=1.0 H=250.00 Max T/m=100

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 31.009.515 | 515 mm | | 17.8 kg |
| 31.009.300 | 300 mm | | 10.4 kg |
| 31.009.550S | 550 mm | | 19.0 kg |

$\alpha=85$ R=1.0 H=250.00 Max T/m=100

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 31.010.515 | 515 mm | | 17.8 kg |
| 31.010.300 | 300 mm | | 10.4 kg |
| 31.010.550S | 550 mm | | 19.0 kg |



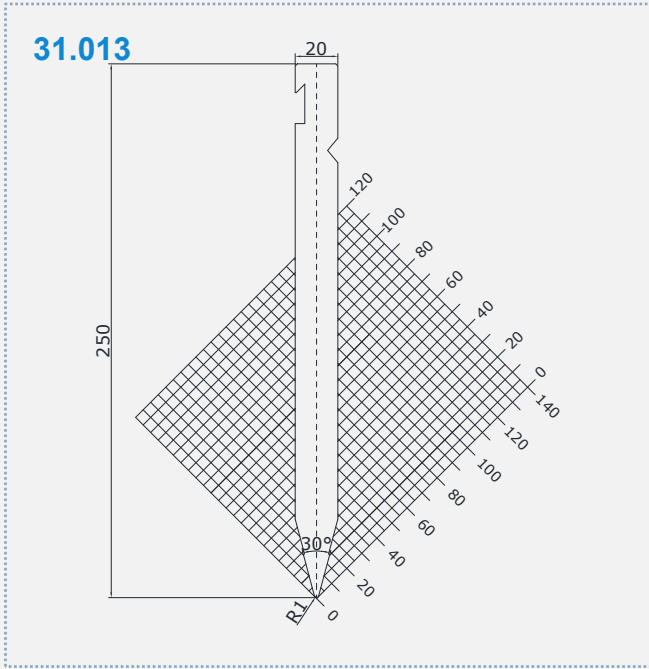
$\alpha=85$ R=1.5 H=250.00 Max T/m=60

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 31.011.515 | 515 mm | | 25.0 kg |
| 31.011.300 | 300 mm | | 14.6 kg |
| 31.011.550S | 550 mm | | 17.8 kg |

$\alpha=30$ R=1.0 H=250.00 Max T/m=70

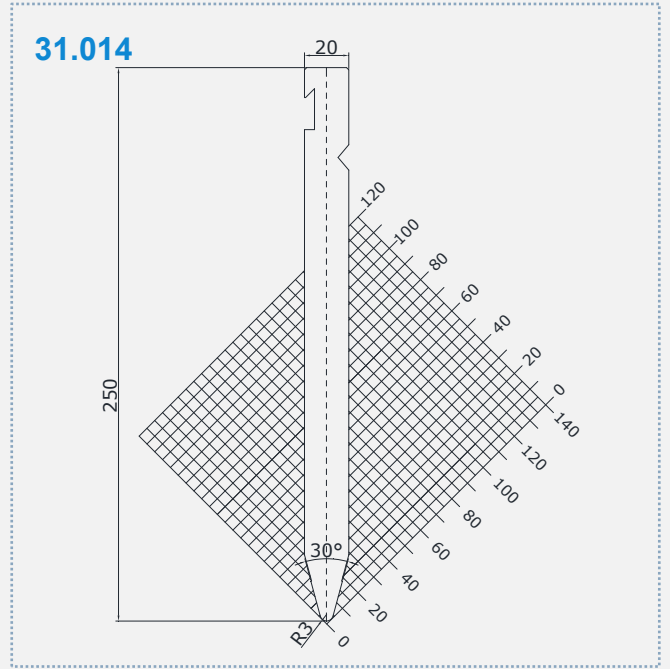
| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 31.012.515 | 515 mm | | 13.4 kg |
| 31.012.300 | 300 mm | | 7.8 kg |
| 31.012.550S | 550 mm | | 14.3 kg |

Bystronic Style Punch



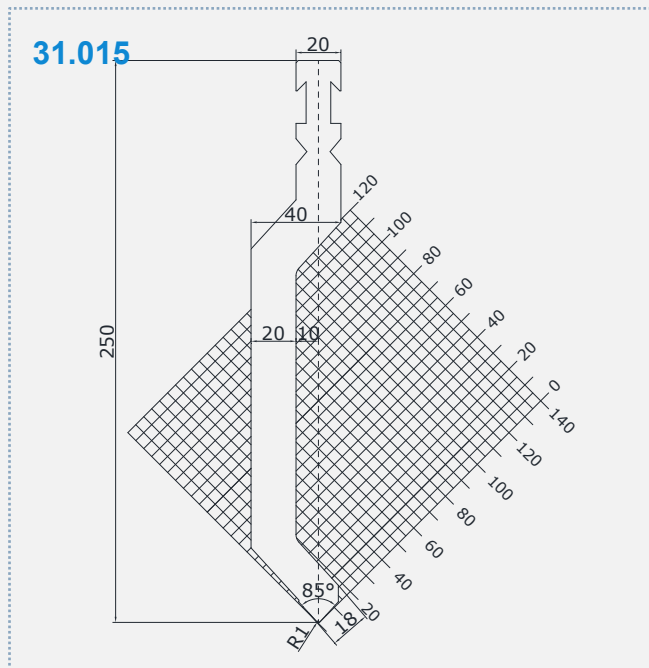
$\alpha=30$ R=1.0 H=250.00 Max T/m=140

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 31.013.515 | 515 mm | | 18.4 kg |
| 31.013.300 | 300 mm | | 10.7 kg |
| 31.013.550S | 550 mm | | 19.7kg |



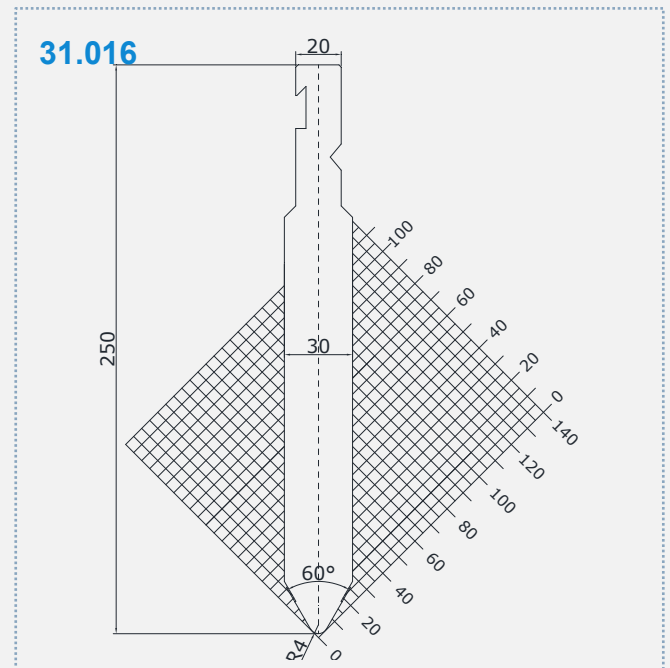
$\alpha=30$ R=3.0 H=250.00 Max T/m=140

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 31.014.515 | 515 mm | | 18.9 kg |
| 31.014.300 | 300 mm | | 11.0 kg |
| 31.014.550S | 550 mm | | 20.2 kg |



$\alpha=85$ R=1.0 H=250.00 Max T/m=100

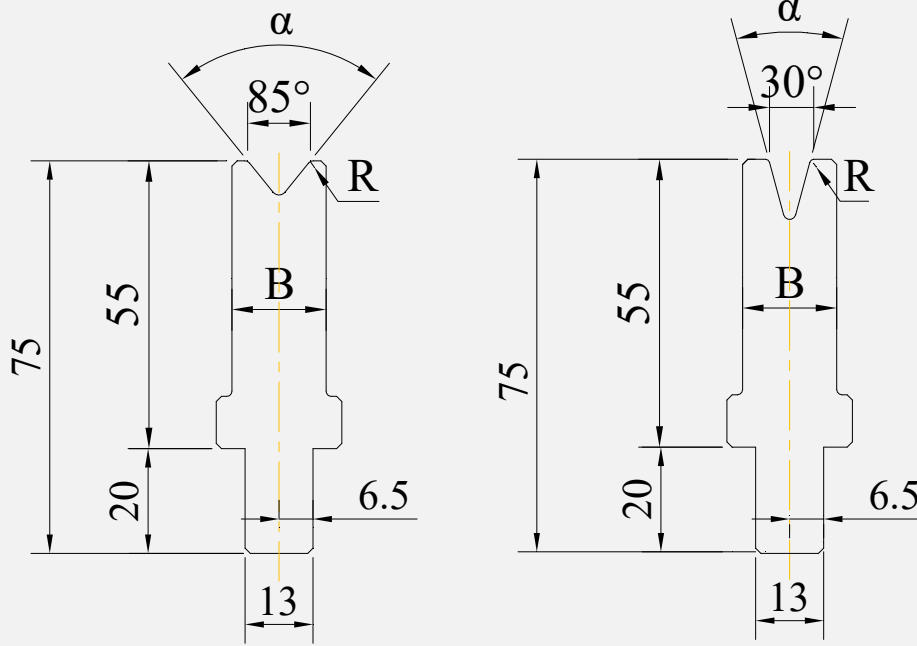
| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 31.015.515 | 515 mm | | 20.1 kg |
| 31.015.300 | 300 mm | | 11.7 kg |
| 31.015.550S | 550 mm | | 21.5 kg |



$\alpha=60$ R=4.0 H=250.00 Max T/m=150

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 31.016.515 | 515 mm | | 26.1 kg |
| 31.016.300 | 300 mm | | 15.2 kg |
| 31.016.550S | 550 mm | | 27.9 kg |

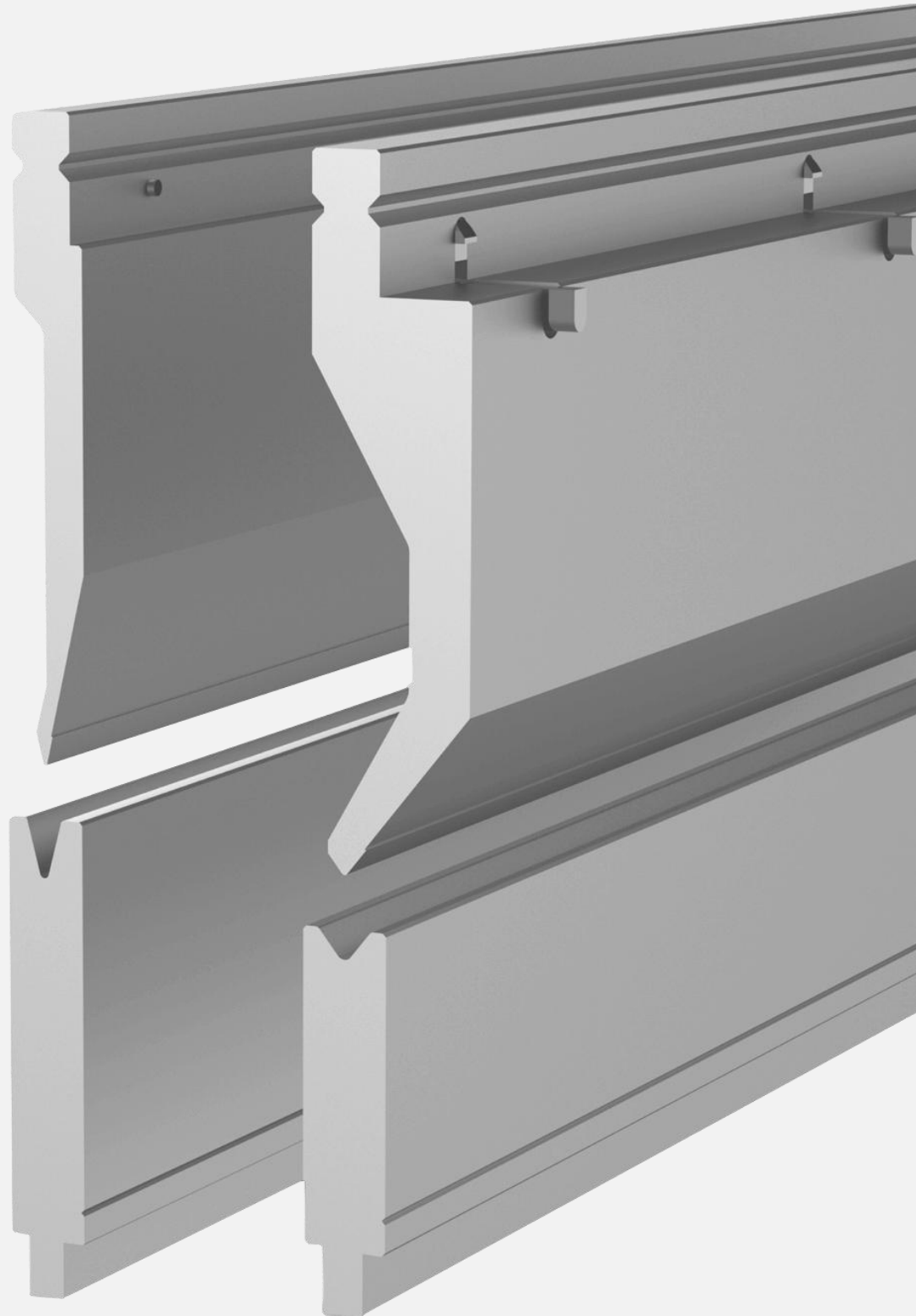
Bystronic Style Die



| Order Number | V (mm) | H (mm) | R (mm) | B (mm) | Max (T/m) | Price | Weight (KG) | Price | Weight (KG) |
|--------------|--------|--------|--------|--------|-----------|--------|-------------|---------------|-------------|
| 85° | | | | | | | | | |
| 32.001 | 4 | 55 | 0.6 | 10-25 | 50 | 515mm | 3.6 kg | 550mm section | 3.8 kg |
| 32.002 | 6 | 55 | 0.8 | 15-25 | 70 | | 4.6 kg | | 5.0 kg |
| 32.003 | 8 | 55 | 1 | 15-25 | 70 | | 4.6 kg | | 5.0 kg |
| 32.004 | 10 | 55 | 1 | 20-25 | 100 | | 5.7 kg | | 6.1 kg |
| 32.005 | 12 | 55 | 1.5 | 20-25 | 100 | | 5.7 kg | | 6.1 kg |
| 32.006 | 16 | 55 | 2 | 30 | 100 | | 7.9 kg | | 8.5 kg |
| 32.007 | 20 | 55 | 2.5 | 30 | 100 | | 7.7 kg | | 8.3 kg |
| 32.008 | 24 | 55 | 3 | 40 | 100 | | 9.8 kg | | 10.5 kg |
| 32.009 | 32 | 55 | 3.5 | 50 | 110 | | 10.8 kg | | 11.5 kg |
| 32.010 | 40 | 55 | 4 | 55 | 130 | | 11.1 kg | | 12.1 kg |
| 30° | | | | | | | | | |
| 32.011 | 6 | 55 | 0.8 | 15-25 | 35 | 4.1 kg | 4.4 kg | | |
| 32.012 | 8 | 55 | 1 | 15-25 | 35 | 4.1 kg | 4.4 kg | | |
| 32.013 | 10 | 55 | 1 | 20-25 | 45 | 5.1 kg | 5.5 kg | | |
| 32.014 | 12 | 55 | 1.5 | 20-25 | 40 | 5.1 kg | 5.5 kg | | |
| 32.015 | 16 | 55 | 2 | 30 | 45 | 7.0 kg | 7.7 kg | | |
| 32.016 | 20 | 55 | 2.5 | 35 | 50 | 7.2 kg | 7.9 kg | | |
| 32.017 | 24 | 55 | 3 | 40 | 50 | 8.0 kg | 8.8 kg | | |

LVD Style

Precision Press Brake Tooling



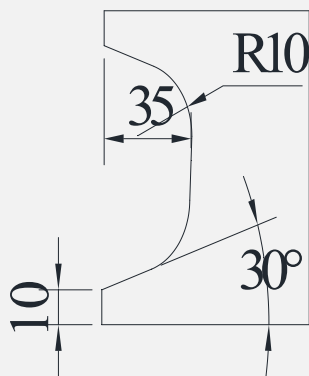
LVD Precision Press Brake Tooling

ADVANTAGES

- Optimum materials
 - 42 CrMo4, tempered to 1100-1200 N/mm²
- Whole body hardened up to 45-50 HRC
- Precision ground
- Guaranteed exchangeability
- Parallelism
- Self centering
- Usable on both sides
- Tool marking with all significant information

Horn extensions

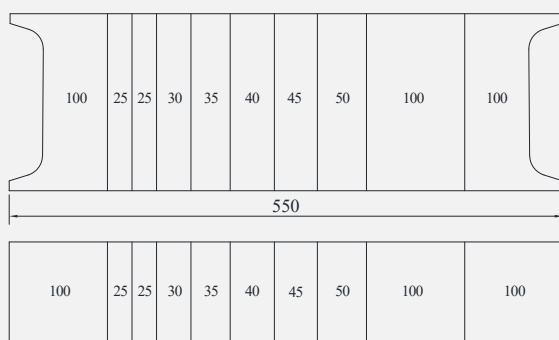
- Horn extensions for section punch



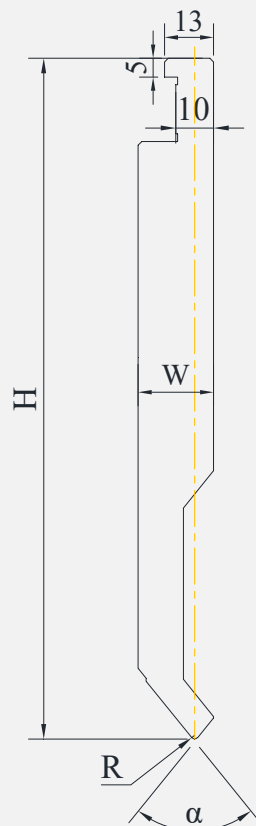
Tooling Length

- Length 508 mm
- Length 550 mm section

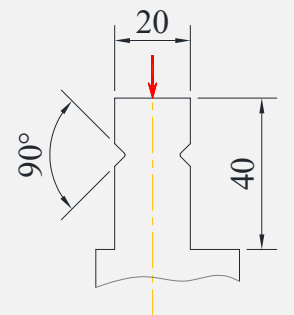
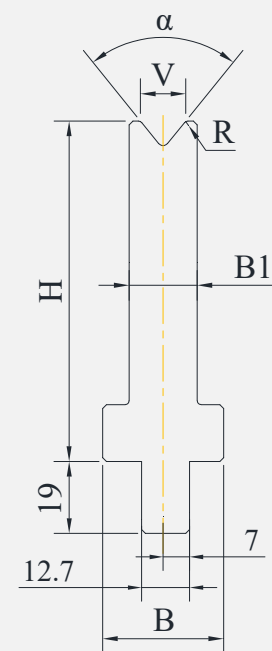
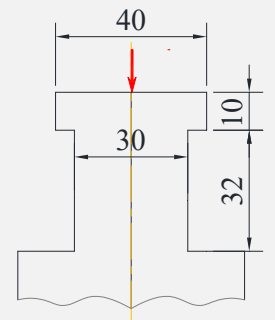
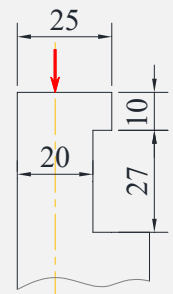
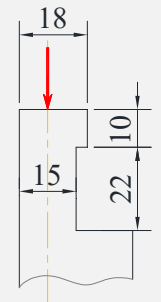
Section punch/die are delivered as a complete set



Standard Clamping

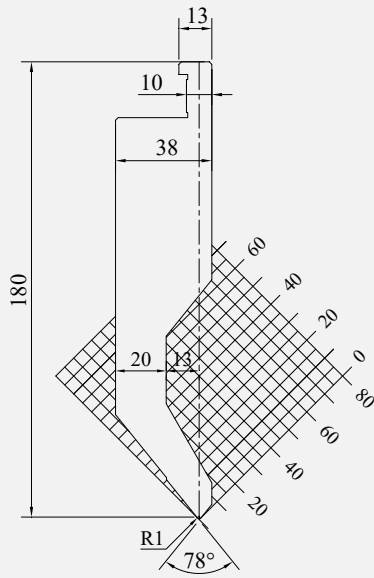


Other Clamping



LVD Style Punch

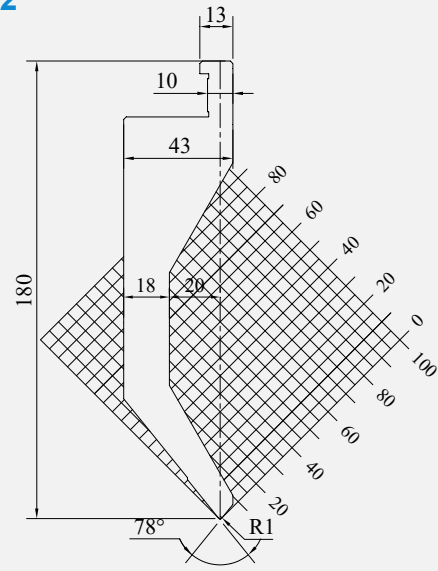
41.001



$\alpha=78$ R=1.0 H=180.00 Max T/m=70

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 41.001.508 | 508 mm | | 17.7kg |
| 41.001.550S | 550 mm | | 19.2 kg |

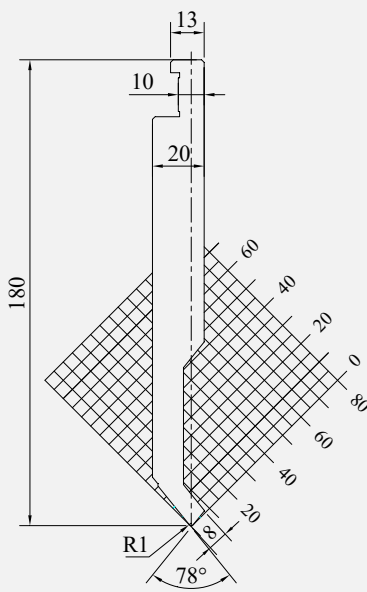
41.002



$\alpha=78$ R=1.0 H=180.00 Max T/m=70

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 41.002.508 | 508 mm | | 16.8 kg |
| 41.002.550S | 550 mm | | 18.2 kg |

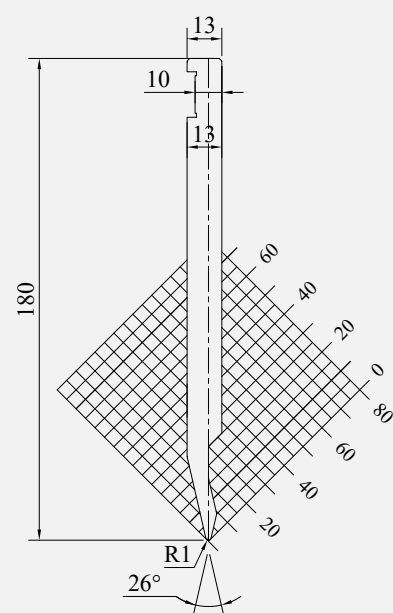
41.003



$\alpha=78$ R=1.0 H=180.00 Max T/m=80

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 41.003.508 | 508 mm | | 11.2 kg |
| 41.003.550S | 550 mm | | 12.4 kg |

41.004

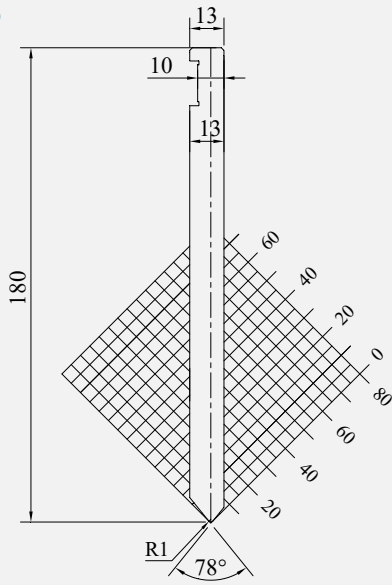


$\alpha=26$ R=1.0 H=180.00 Max T/m=50

| Order Number | Length | Price | Weight |
|--------------|--------|-------|--------|
| 41.004.508 | 508 mm | | 8.0 kg |
| 41.004.550S | 550 mm | | 8.7 kg |

LVD Style Punch

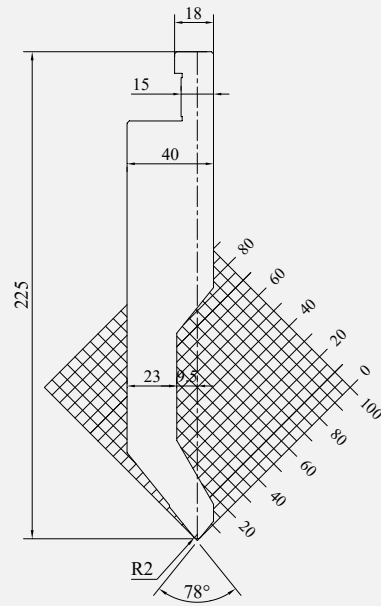
41.005



$\alpha=78$ R=1.0 H=180.00 Max T/m=100

| Order Number | Length | Price | Weight |
|--------------|--------|-------|--------|
| 41.005.508 | 508 mm | | 9.1 kg |
| 41.005.550S | 550 mm | | 9.8 kg |

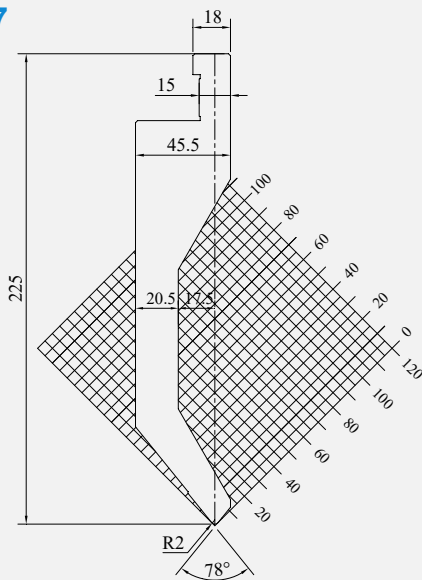
41.006



$\alpha=78$ R=2.0 H=225.00 Max T/m=70

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 41.006.508 | 508 mm | | 24.9 kg |
| 41.006.550S | 550 mm | | 26.9 kg |

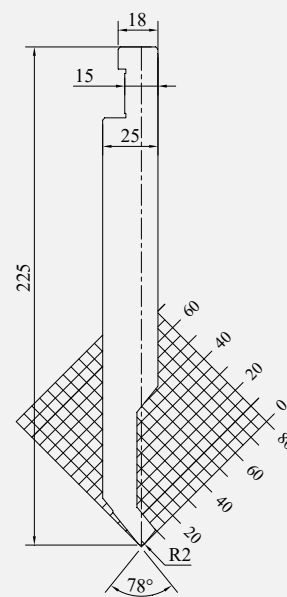
41.007



$\alpha=78$ R=2.0 H=225.00 Max T/m=70

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 41.007.508 | 508 mm | | 21.0 kg |
| 41.007.550S | 550 mm | | 22.7 kg |

41.008

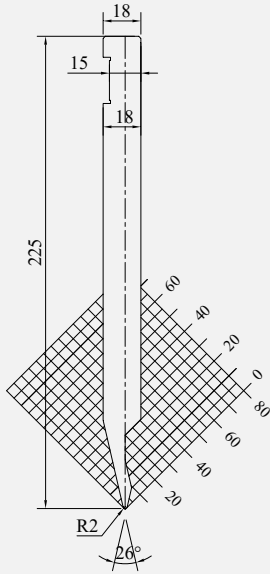


$\alpha=78$ R=2.0 H=225.00 Max T/m=80

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 41.008.508 | 508 mm | | 15.4 kg |
| 41.008.550S | 550 mm | | 13.5 kg |

LVD Style Punch

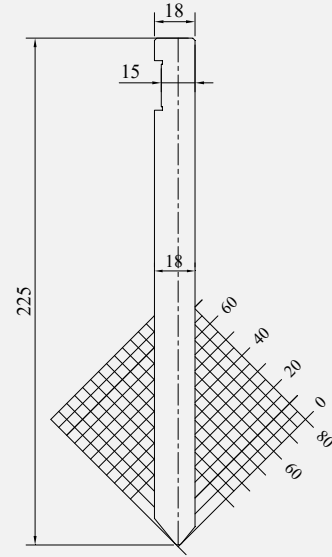
41.009



$\alpha=26$ R=2.0 H=225.00 Max T/m=50

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 41.009.508 | 508 mm | | 10.2 kg |
| 41.009.550S | 550 mm | | 10.9 kg |

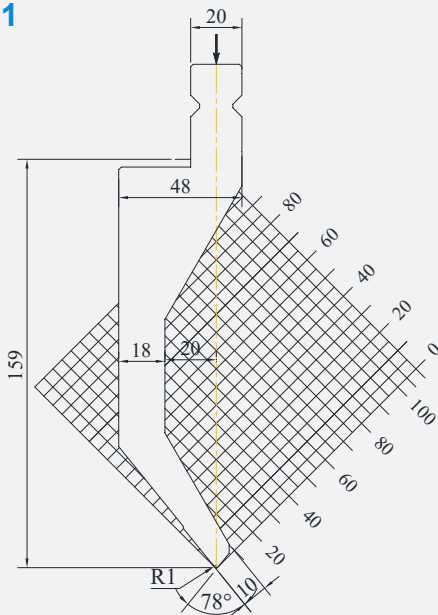
41.010



$\alpha=78$ R=2.0 H=225.00 Max T/m=100

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 41.010.508 | 508 mm | | 12.3 kg |
| 41.010.550S | 550 mm | | 13 kg |

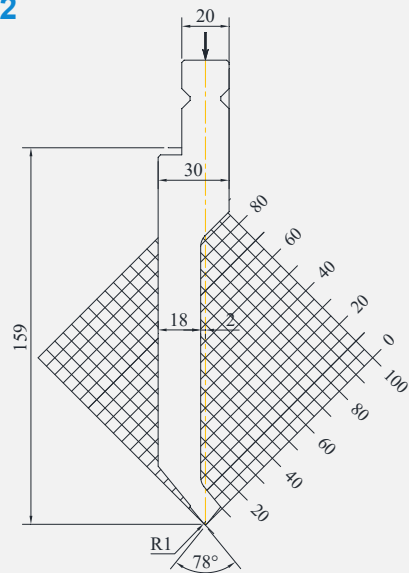
41.011



$\alpha=78$ R=1.0 H=159.00 Max T/m=40

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 41.011.508 | 508 mm | | 19.0 kg |
| 41.011.550S | 550 mm | | 20.6 kg |

41.012

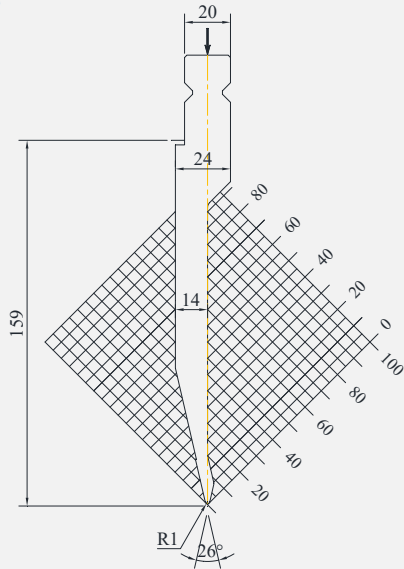


$\alpha=78$ R=1.0 H=159.00 Max T/m=60

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 41.012.508 | 508 mm | | 15.1 kg |
| 41.012.550S | 550 mm | | 16.3 kg |

LVD Style Punch

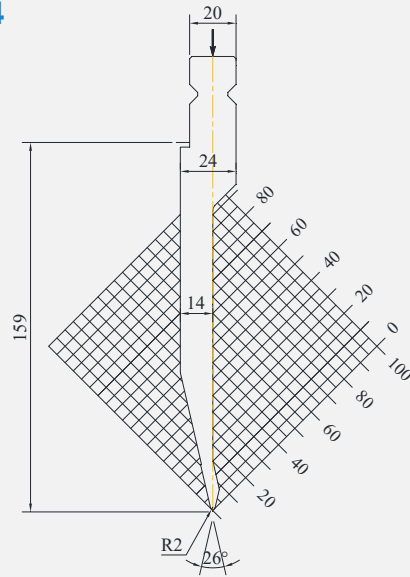
41.013



$\alpha=26$ $R=1.0$ $H=159.00$ $\text{Max T/m}=40$

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 41.013.508 | 508 mm | | 11.5 kg |
| 41.013.550S | 550 mm | | 12.4 kg |

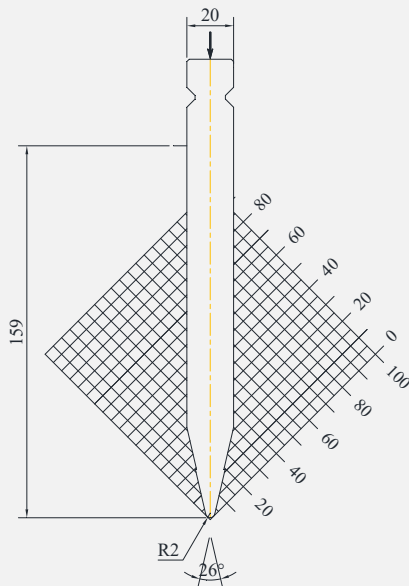
41.014



$\alpha=26$ $R=2.0$ $H=159.00$ $\text{Max T/m}=50$

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 41.014.508 | 508 mm | | 11.6 kg |
| 41.014.550S | 550 mm | | 12.5 kg |

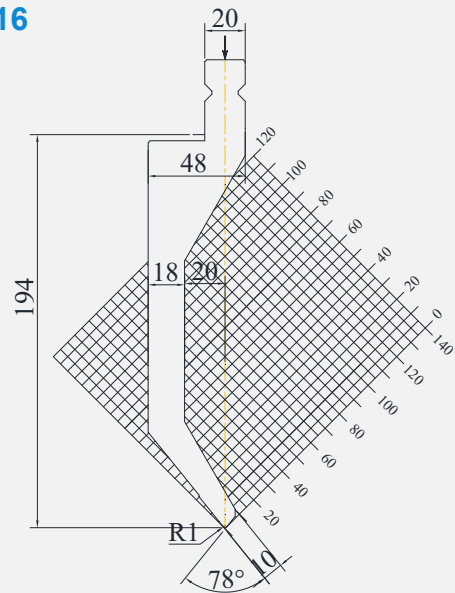
41.015



$\alpha=26$ $R=2.0$ $H=159.00$ $\text{Max T/m}=80$

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 41.015.508 | 508 mm | | 14.1 kg |
| 41.015.550S | 550 mm | | 15.2 kg |

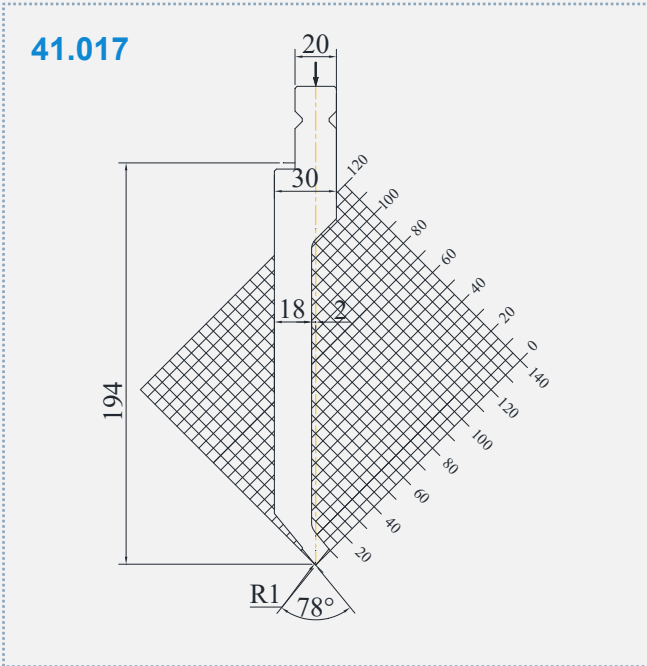
41.016



$\alpha=78$ $R=1.0$ $H=194.00$ $\text{Max T/m}=40$

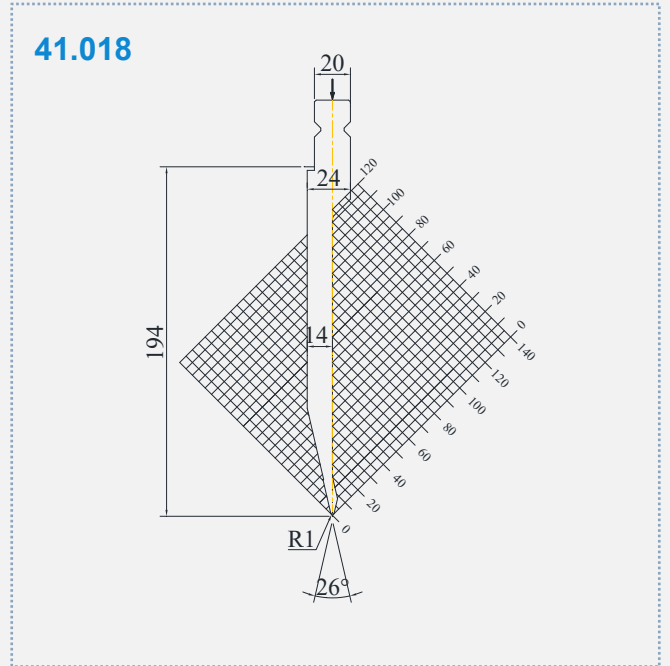
| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 41.016.508 | 508 mm | | 22.4 kg |
| 41.016.550S | 550 mm | | 24.2 kg |

LVD Style Punch



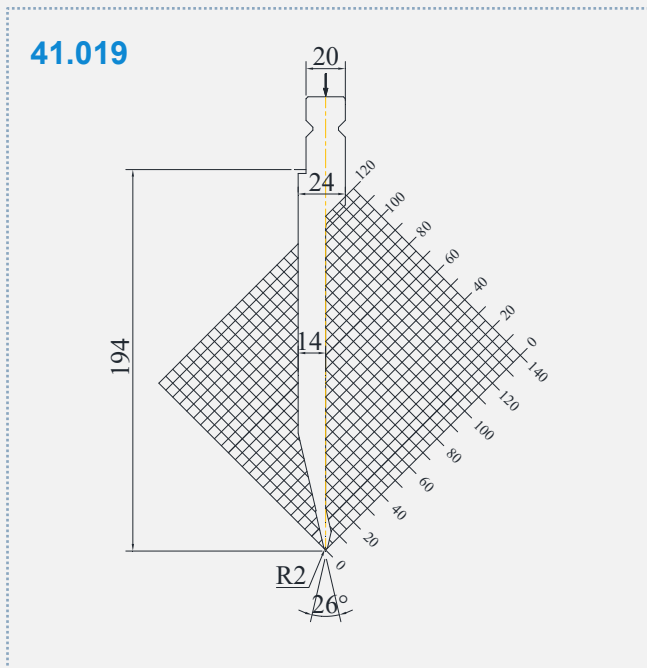
$\alpha=78$ $R=1.0$ $H=194.00$ $\text{Max T/m}=50$

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 41.017.508 | 508 mm | | 18.6 kg |
| 41.017.550S | 550 mm | | 20 kg |



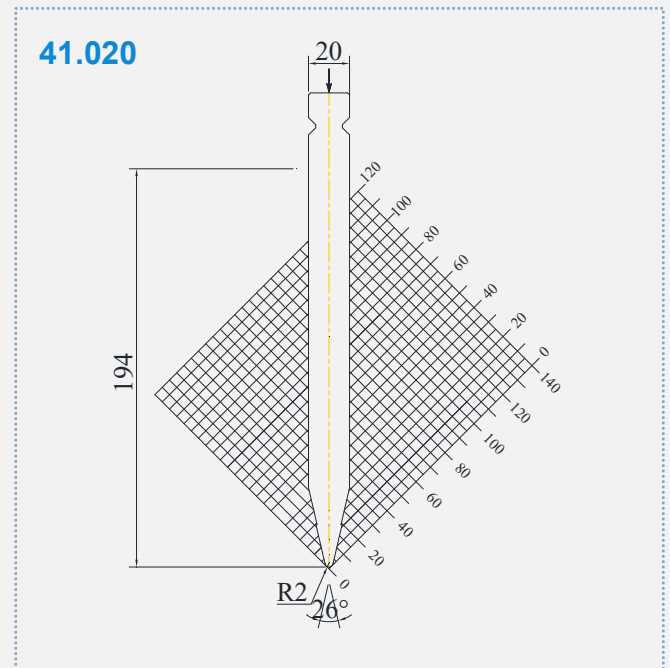
$\alpha=86$ $R=1.0$ $H=194.00$ $\text{Max T/m}=40$

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 41.018.508 | 508 mm | | 13.5 kg |
| 41.018.550S | 550 mm | | 14.6 kg |



$\alpha=28$ $R=1.0$ $H=194.00$ $\text{Max T/m}=40$

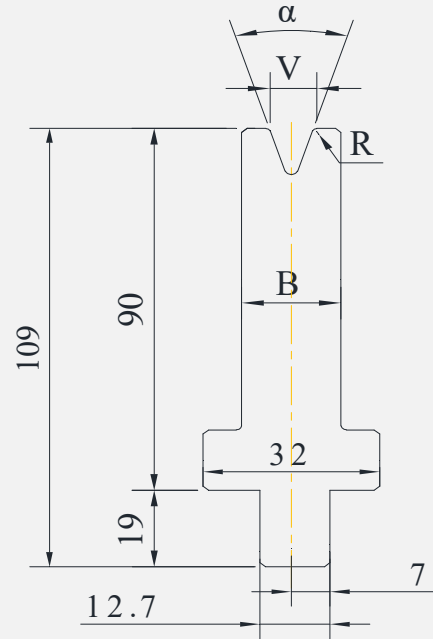
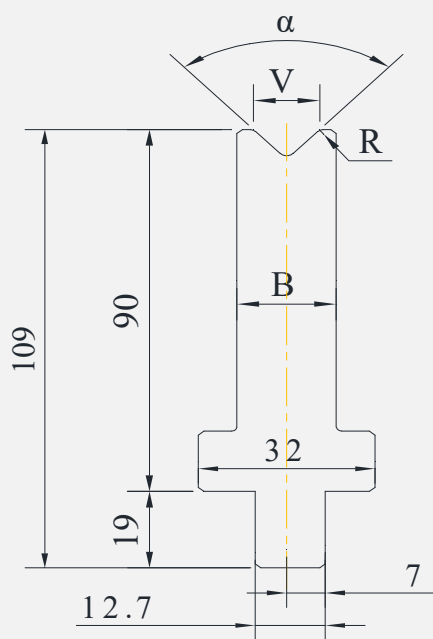
| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 41.019.508 | 508 mm | | 13.6 kg |
| 41.019.550S | 550 mm | | 14.7 kg |



$\alpha=60$ $R=4.0$ $H=194.00$ $\text{Max T/m}=130$

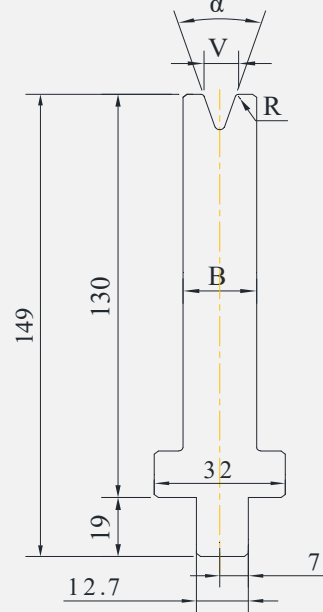
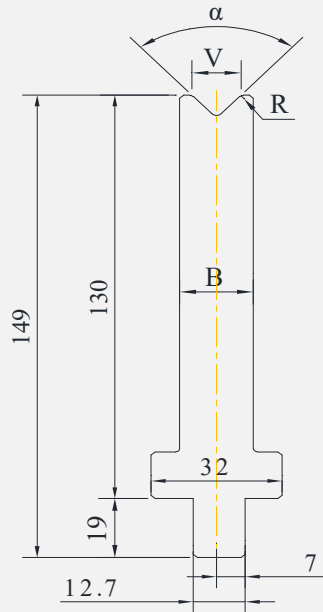
| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 41.020.508 | 508 mm | | 17.1 kg |
| 41.020.550S | 550 mm | | 15.5 kg |

LVD Style Die



| Order Number | V (mm) | H (mm) | R (mm) | B (mm) | Max (T/m) | Price | Weight (KG) | Price | Weight (KG) |
|--------------|--------|--------|--------|--------|-----------|-------|-------------|---------------|-------------|
| 30° | | | | | | | | | |
| 42.001 | 6 | 90 | 0.8 | 16 | 20 | | 7.5 kg | | 8.1 kg |
| 42.002 | 8 | 90 | 1 | 18 | 22 | | 8.0 kg | | 8.7 kg |
| 42.003 | 10 | 90 | 1.2 | 25 | 30 | | 10.0 kg | | 10.8 kg |
| 42.004 | 12 | 90 | 1.5 | 32 | 38 | | 9.5 kg | | 10.3 kg |
| 42.005 | 16 | 90 | 2 | 40 | 38 | | 14.3 kg | | 15.5 kg |
| 42.006 | 20 | 90 | 2.5 | 40 | 38 | | 13.8 kg | | 14.9 kg |
| 42.007 | 24 | 90 | 3 | 45 | 55 | | 15.0 kg | | 16.2 kg |
| 42.008 | 30 | 90 | 3.5 | 70 | 60 | | 17.9 kg | | 19.3 kg |
| 42.009 | 40 | 90 | 4 | 85 | 60 | | 22.3 kg | | 24.1 kg |
| 42.010 | 50 | 90 | 5 | 95 | 78 | | 24.5 kg | | 26.5 kg |
| 78° | | | | | | | | | |
| 42.011 | 6 | 90 | 0.8 | 12 | 40 | 508mm | 6.5 kg | 550mm section | 7.0 kg |
| 42.012 | 8 | 90 | 1 | 12 | 40 | | 6.5 kg | | 7.0 kg |
| 42.013 | 10 | 90 | 1.2 | 14 | 50 | | 7.0 kg | | 7.6 kg |
| 42.014 | 12 | 90 | 1.5 | 18 | 60 | | 8.0 kg | | 8.7 kg |
| 42.015 | 16 | 90 | 2 | 25 | 80 | | 10.0 kg | | 10.8 kg |
| 42.016 | 20 | 90 | 2 | 32 | 100 | | 12.0 kg | | 13.0 kg |
| 42.017 | 24 | 90 | 3 | 32 | 100 | | 11.7 kg | | 12.7 kg |
| 42.018 | 30 | 90 | 3 | 40 | 110 | | 14.2 kg | | 15.4 kg |
| 42.019 | 40 | 90 | 3.2 | 50 | 130 | | 17.3 kg | | 18.4 kg |
| 42.020 | 50 | 90 | 4 | 70 | 150 | | 23.0 kg | | 24.9 kg |
| 42.021 | 60 | 90 | 5 | 70 | 150 | | 21.5 kg | | 23.3 kg |
| 42.022 | 80 | 90 | 6 | 95 | 150 | | 27.0 kg | | 29.2 kg |

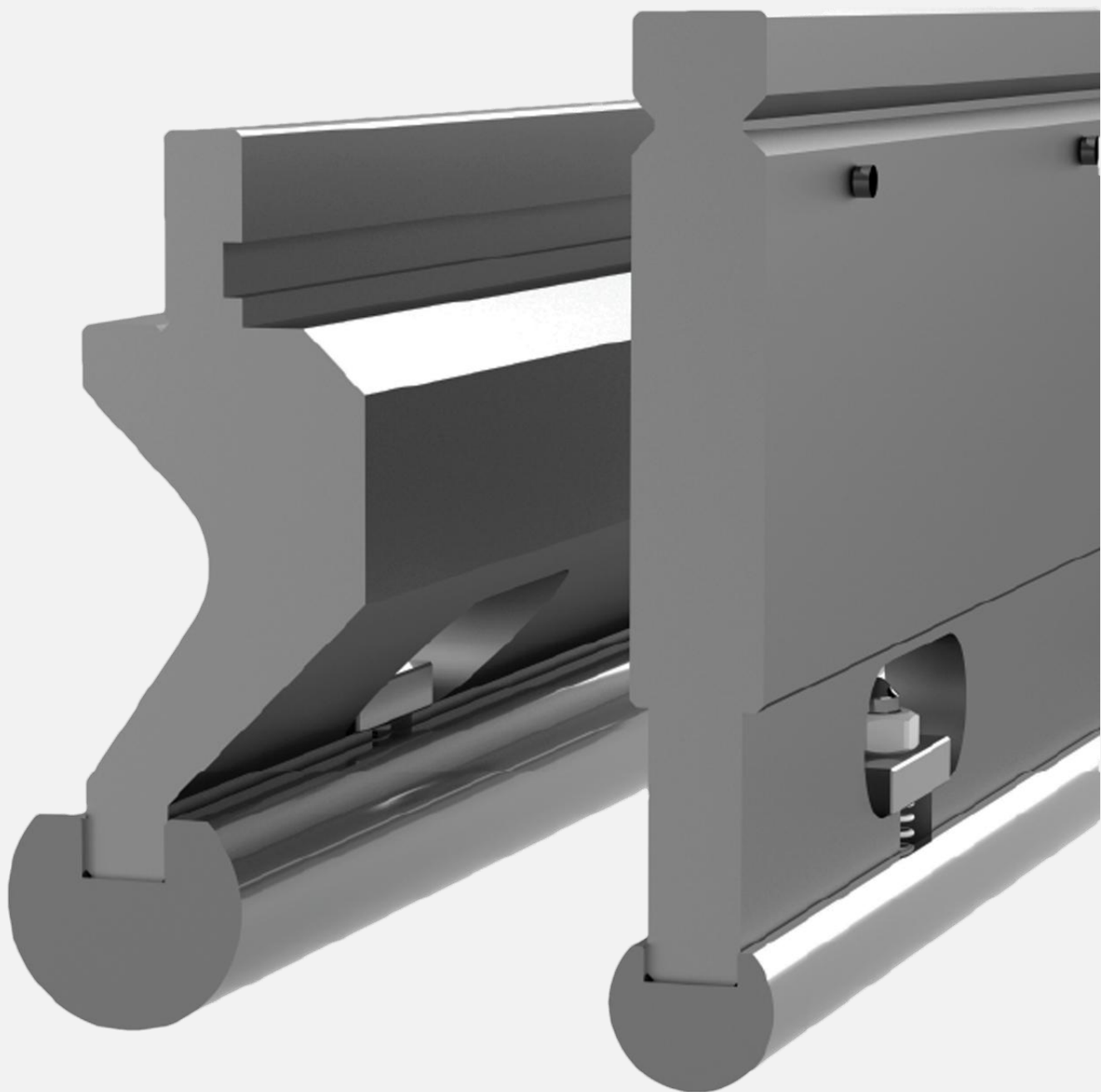
LVD Style Die



| Order Number | V (mm) | H (mm) | R (mm) | B (mm) | Max (T/m) | Price | Weight (KG) | Price | Weight (KG) |
|--------------|--------|--------|--------|--------|-----------|-------|-------------|---------------|-------------|
| 30° | | | | | | | | | |
| 42.023 | 6 | 130 | 0.8 | 16 | 20 | | 10.9 kg | | 11.8 kg |
| 42.024 | 8 | 130 | 1 | 18 | 22 | | 14.0 kg | | 15.1 kg |
| 42.025 | 10 | 130 | 1.2 | 25 | 30 | | 17.1 kg | | 18.5 kg |
| 42.026 | 12 | 130 | 1.5 | 32 | 38 | | 20.8 kg | | 22.6 kg |
| 42.027 | 16 | 130 | 2 | 40 | 38 | | 20.3 kg | | 22.0 kg |
| 42.028 | 20 | 130 | 2.5 | 40 | 38 | | 21.4 kg | | 23.4 kg |
| 42.029 | 24 | 130 | 3 | 45 | 55 | | 22.8 kg | | 24.6 kg |
| 42.030 | 30 | 130 | 3.5 | 70 | 60 | | 27.8 kg | | 30.0 kg |
| 42.031 | 40 | 130 | 4 | 85 | 60 | | 34.3 kg | | 37.0 kg |
| 42.032 | 50 | 130 | 5 | 95 | 78 | | 39.9 kg | | 42.0 kg |
| 78° | | | | | | | | | |
| 42.033 | 6 | 130 | 0.8 | 12 | 40 | 508mm | 8.3 kg | 550mm section | 9.0 kg |
| 42.034 | 8 | 130 | 1 | 12 | 40 | | 8.4 kg | | 9.1 kg |
| 42.035 | 10 | 130 | 1.2 | 14 | 50 | | 10.1 kg | | 11.0 kg |
| 42.036 | 12 | 130 | 1.5 | 18 | 60 | | 11.1 kg | | 12.0 kg |
| 42.037 | 16 | 130 | 2 | 25 | 80 | | 14.3 kg | | 15.5 kg |
| 42.038 | 20 | 130 | 2 | 32 | 100 | | 17.5 kg | | 19.0 kg |
| 42.039 | 24 | 130 | 3 | 32 | 100 | | 17.0 kg | | 18.5 kg |
| 42.040 | 30 | 130 | 3 | 40 | 110 | | 20.7 kg | | 22.4 kg |
| 42.041 | 40 | 130 | 3.2 | 50 | 130 | | 26.6 kg | | 28.9 kg |
| 42.042 | 50 | 130 | 4 | 70 | 150 | | 34.2 kg | | 37.0 kg |
| 42.043 | 60 | 130 | 5 | 70 | 150 | | 34.2 kg | | 37.0 kg |
| 42.044 | 80 | 130 | 6 | 95 | 150 | | 42.3 kg | | 45.8 kg |

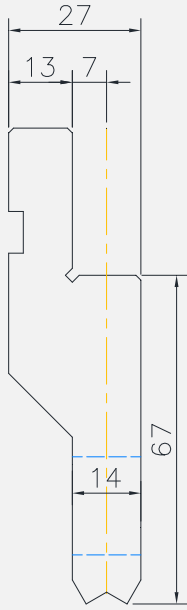
Holder And Radius Tip

Precision Press Brake Tooling



Holders And Radius Tip

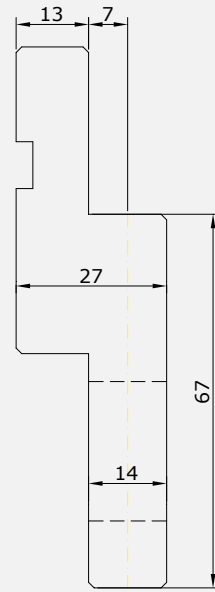
11.049



H=67.00 suitable for R3-R10

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.049.835 | 835 mm | | 10.0 kg |
| 11.049.415 | 415 mm | | 5.0 kg |

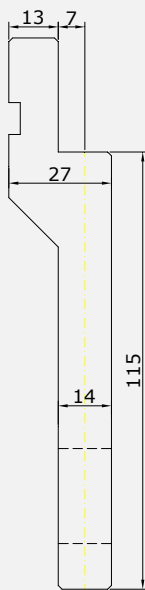
11.050



H=67.00 suitable for R12.5-R50

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.050.835 | 835 mm | | 10.0 kg |
| 11.050.415 | 415 mm | | 5.0 kg |

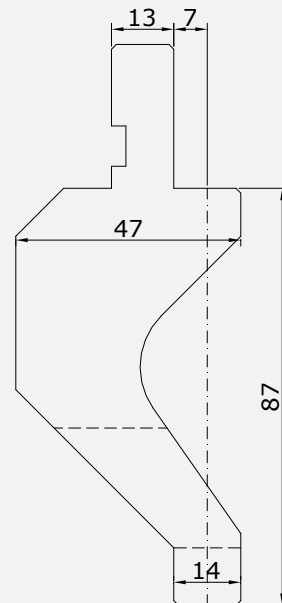
11.051



H=115.00 suitable for R12.5-R50

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.051.835 | 835 mm | | 13.5 kg |
| 11.051.415 | 415 mm | | 6.7 kg |

11.052

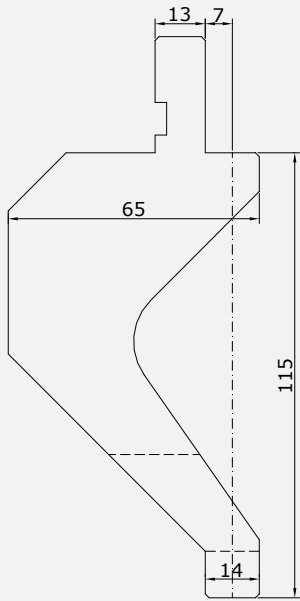


H=87.00 suitable for R12.5-R50

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.052.835 | 835 mm | | 16.0 kg |
| 11.052.415 | 415 mm | | 8.0 kg |

Holders And Radius Tip

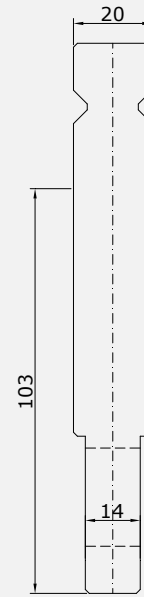
11.053



H=115.00 suitable for R12.5-R50

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.053.835 | 835 mm | | 26.0 kg |
| 11.053.415 | 415 mm | | 13.0 kg |

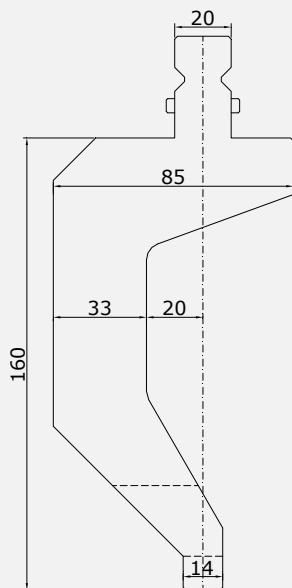
21.040



H=103.00 suitable for R12.5-R50

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 21.040.835 | 835 mm | | 16.0 kg |
| 21.040.415 | 415 mm | | 8.0 kg |

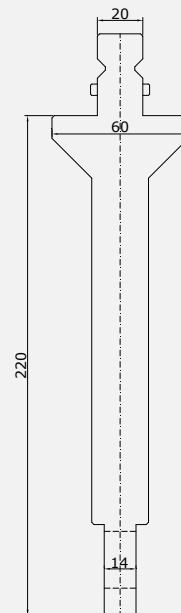
21.041



H=160.00 suitable for R12.5-R50

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 21.041.835 | 835 mm | | 47.0 kg |
| 21.041.415 | 415 mm | | 23.5 kg |

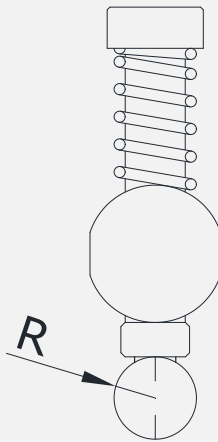
21.042



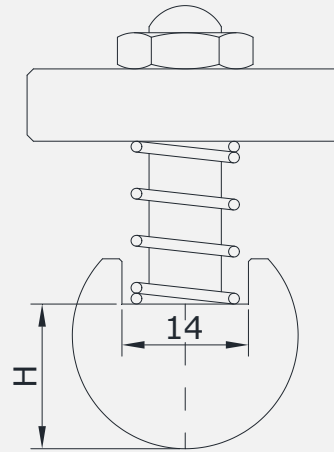
H=220.00 suitable for R12.5-R50

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 21.042.835 | 835 mm | | 41.0 kg |
| 21.042.415 | 415 mm | | 20.5 kg |

Holders And Radius Tip



R3-R10

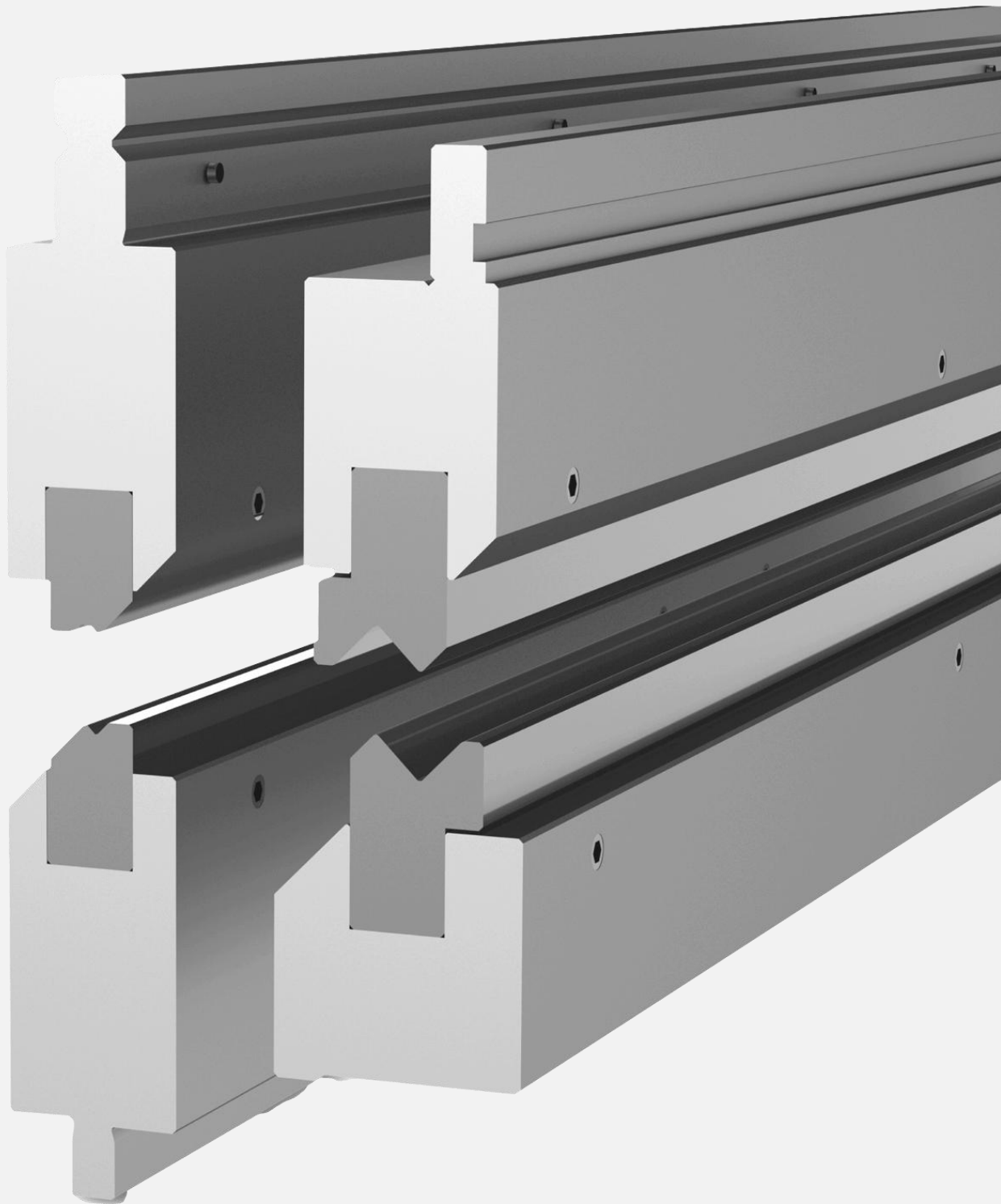


R12.5-R50

| Order Number | H (mm) | R (mm) | Max (T/m) | Price | Weight (KG) | Price | Weight (KG) |
|------------------|--------|--------|-----------|-------|-------------|-------|-------------|
| R3-R10 | | | | | | | |
| 52.001 | - | 3 | 80 | | 0.2 kg | | 0.1 kg |
| 52.002 | - | 4 | 80 | | 0.4 kg | | 0.2 kg |
| 52.003 | - | 5 | 80 | | 0.6 kg | | 0.3 kg |
| 52.004 | - | 6 | 80 | | 0.8 kg | | 0.4 kg |
| 52.005 | - | 8 | 80 | | 1.2 kg | | 0.6 kg |
| 52.006 | - | 10 | 80 | | 2.0kg | | 1.0 kg |
| R12.5-R50 | | | | | | | |
| 52.011 | 16.0 | 12.5 | 80 | 835mm | 3.3 kg | 415mm | 1.7 kg |
| 52.012 | 17.0 | 13 | 80 | | 3.5 kg | | 1.8 kg |
| 52.013 | 19.0 | 14 | 80 | | 3.8 kg | | 1.9 kg |
| 52.014 | 20.0 | 15 | 80 | | 5.0 kg | | 2.5 kg |
| 52.015 | 21.0 | 16 | 80 | | 5.1 kg | | 2.6 kg |
| 52.016 | 21.5 | 17 | 80 | | 5.8 kg | | 2.9 kg |
| 52.017 | 22.0 | 17.5 | 80 | | 6.0 kg | | 3.0 kg |
| 52.018 | 25.0 | 19 | 80 | | 6.3 kg | | 3.2 kg |
| 52.019 | 24.0 | 20 | 80 | | 6.8 kg | | 3.4 kg |
| 52.020 | 25.0 | 22.5 | 80 | | 8.0 kg | | 4.0 kg |
| 52.021 | 29.0 | 25 | 80 | | 10.0 kg | | 5.0 kg |
| 52.022 | 34.0 | 27.5 | 80 | | 12.5 kg | | 6.3 kg |
| 52.023 | 34.0 | 30 | 80 | | 13.5 kg | | 6.8 kg |
| 52.024 | 45.0 | 35 | 80 | | 21.0 kg | | 10.5 kg |
| 52.025 | 45.0 | 40 | 80 | | 24.0 kg | | 12.0 kg |
| 52.026 | 50.0 | 45 | 80 | | 29.5 kg | | 14.8 kg |
| 52.027 | 54.0 | 50 | 80 | | 34.5 kg | | 17.3 kg |

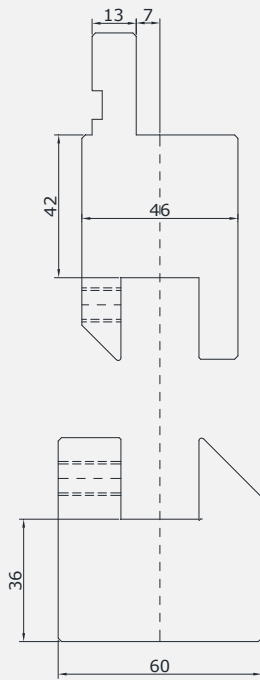
Holder And Z Inserts

Precision Press Brake Tooling

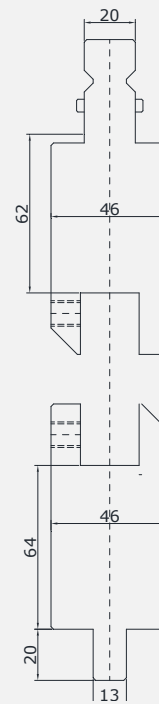


Holders And Z Inserts

11.054



21.043



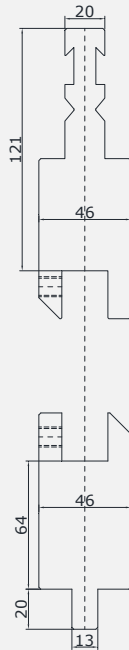
Price is for whole set of holder

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.054.835 | 835 mm | | 37.4 kg |
| 11.054.415 | 415 mm | | 18.7 kg |

Price is for whole set of holder

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 21.043.835 | 835 mm | | 50.0 kg |
| 21.043.835 | 415 mm | | 25.0 kg |

31.017



41.021



Price is for whole set of holder

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 31.017.835 | 835 mm | | 51.0 kg |
| 31.017.415 | 415 mm | | 25.5 kg |

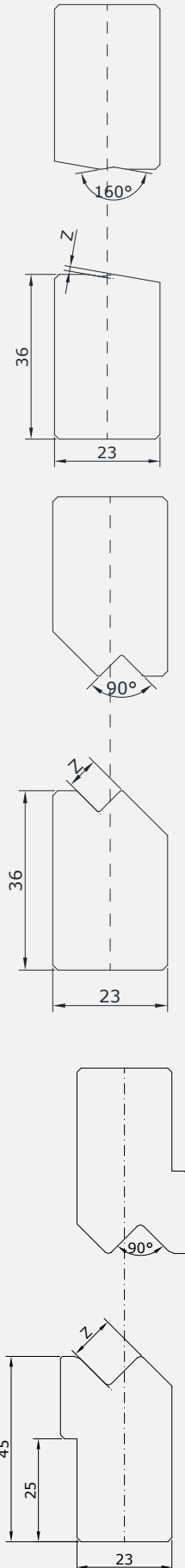
Price is for whole set of holder

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 41.021.835 | 835 mm | | 60.0 kg |
| 41.021.415 | 415 mm | | 30.5 kg |

Holders And Z Inserts

Z-Tool inserts Z 1.0 – 15.0

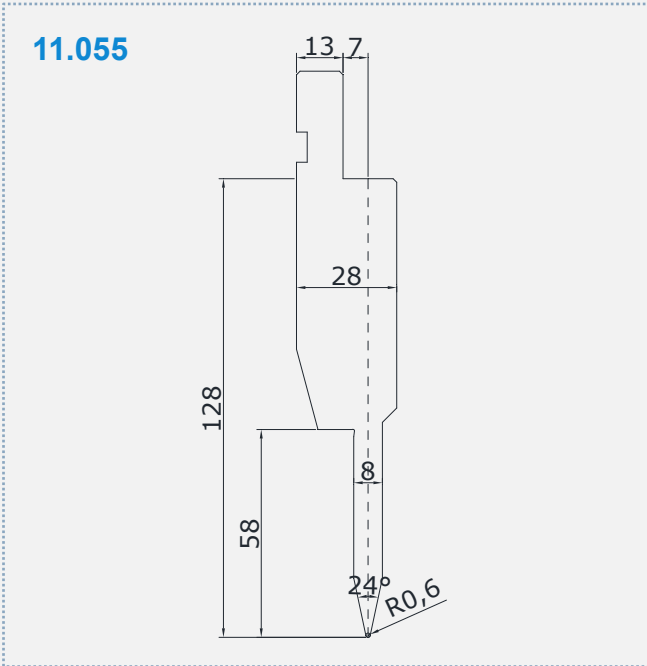
| Z 1.0-2.5 | | A (°) | Z (mm) | Price | Weight (KG) | Price | Weight (KG) |
|--------------|--|------------|-----------|-------|----------------|-------|----------------|
| Order Number | | | | | | | |
| 62.001 | | 160 | 1.0 | | 10.0 kg | | 5.0 kg |
| 62.002 | | 160 | 1.5 | | 10.0 kg | | 5.0 kg |
| 62.003 | | 150 | 2.0 | | 10.0 kg | | 5.0 kg |
| 62.004 | | 140 | 2.5 | | 10.0 kg | | 5.0 kg |
| Z 1.0-8.0 | | | | | | | |
| 62.005 | | 90 | 1.0 | | 10.0 kg | | 5.0 kg |
| 62.006 | | 90 | 1.5 | | 10.0 kg | | 5.0 kg |
| 62.011 | | 90 | 2.0 | | 10.0 kg | | 5.0 kg |
| 62.012 | | 90 | 2.5 | | 10.0 kg | | 5.0 kg |
| 62.013 | | 90 | 3.0 | | 10.0 kg | | 5.0 kg |
| 62.014 | | 90 | 3.5 | | 10.0 kg | | 5.0 kg |
| 62.015 | | 90 | 4.0 | | 10.0 kg | | 5.0 kg |
| 62.016 | | 90 | 4.5 | | 10.0 kg | | 5.0 kg |
| 62.017 | | 90 | 5.0 | | 10.0 kg | | 5.0 kg |
| 62.018 | | 90 | 5.5 | | 10.0 kg | | 5.0 kg |
| 62.019 | | 90 | 6.0 | | 10.0 kg | | 5.0 kg |
| 62.020 | | 90 | 6.5 | | 10.0 kg | | 5.0 kg |
| 62.021 | | 90 | 7.0 | | 10.0 kg | | 5.0 kg |
| 62.022 | | 90 | 7.5 | | 10.0 kg | | 5.0 kg |
| 62.023 | | 90 | 8.0 | | 10.0 kg | | 5.0 kg |
| Z 8.5-12.0 | | | | | | | |
| 62.024 | | 90 | 8.5 | | 13.5 kg | | 6.7 kg |
| 62.025 | | 90 | 9.0 | | 13.5 kg | | 6.7 kg |
| 62.026 | | 90 | 10.0 | | 13.5 kg | | 6.7 kg |
| 62.027 | | 90 | 11.0 | | 13.5 kg | | 6.7 kg |
| 62.028 | | 90 | 12.0 | | 13.5 kg | | 6.7 kg |
| Z 13.0-15.0 | | | | | | | |
| 62.029 | | 90 | 13.0 | | 14.5 kg | | 7.3 kg |
| 62.030 | | 90 | 14.0 | | 14.5 kg | | 7.3 kg |
| 62.031 | | 90 | 15.0 | | 14.5 kg | | 7.3 kg |



Flattening Tools

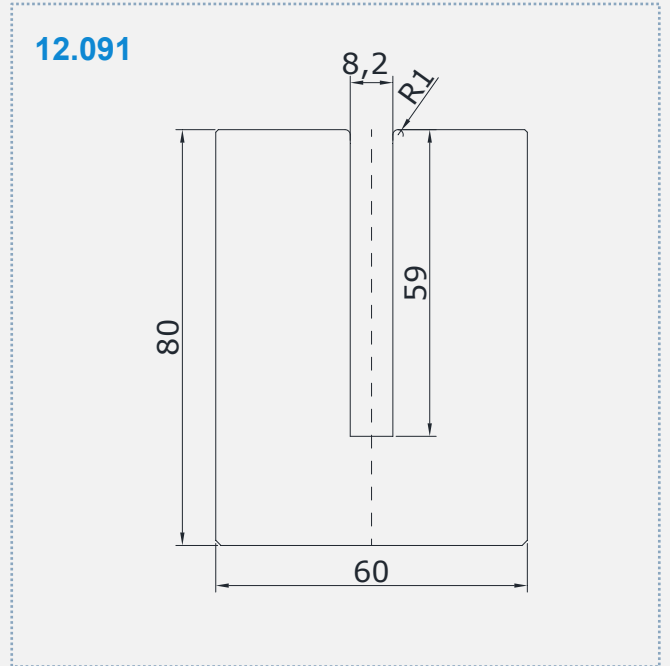
Precision Press Brake Tooling

Flattening Punch and Die



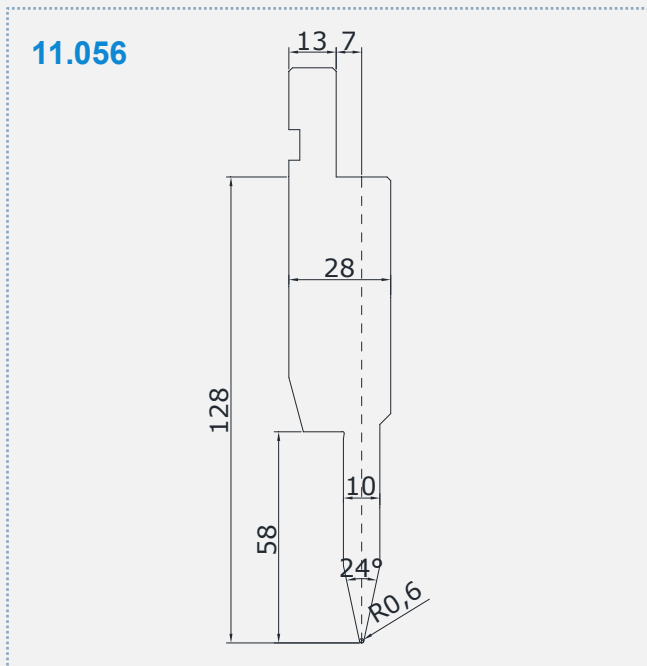
$\alpha=24$ R=0.6 H=128.00 Max T/m=80

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.055.835 | 835 mm | | 17.5 kg |
| 11.055.415 | 415 mm | | 7.2 kg |
| 11.055.835S | 835 mm | | 9.5 kg |



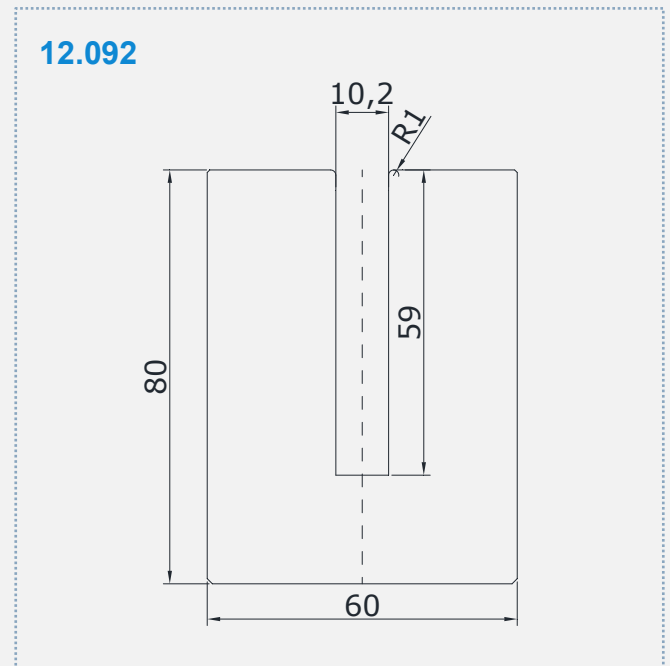
U=8.2 R=1.0 H=80.00 Max T/m=50

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 12.091.835 | 835 mm | | 28.5 kg |
| 12.091.415 | 415 mm | | 14.2 kg |
| 12.091.835S | 835 mm | | 28.5 kg |



$\alpha=24$ R=0.6 H=128.00 Max T/m=80

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.056.835 | 835 mm | | 18.2 kg |
| 11.056.415 | 415 mm | | 9.1 kg |
| 11.056.835S | 835 mm | | 18.2 kg |

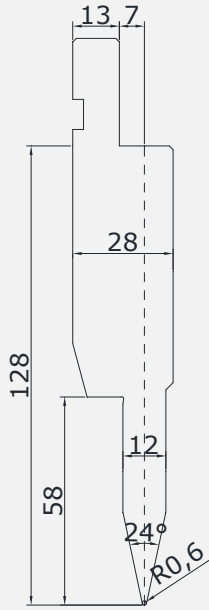


U=10.2 R=1.0 H=80.00 Max T/m=50

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 12.092.835 | 835 mm | | 27.6 kg |
| 12.092.415 | 415 mm | | 13.8 kg |
| 12.092.835S | 835 mm | | 27.6 kg |

Flattening Punch and Die

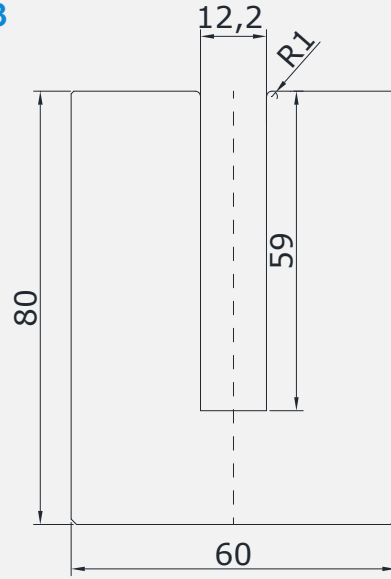
11.057



$\alpha=24$ R=0.6 H=128.00 Max T/m=80

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 11.057.835 | 835 mm | | 18.6 kg |
| 11.057.415 | 415 mm | | 9.3 kg |
| 11.057.835S | 835 mm | | 18.6 kg |

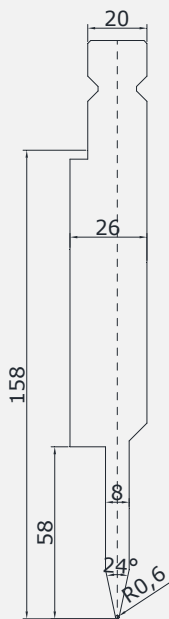
12.093



U=12.2 R=1.0 H=80.00 Max T/m=50

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 12.093.835 | 835 mm | | 26.8 kg |
| 12.093.415 | 415 mm | | 13.4 kg |
| 12.093.835S | 835 mm | | 26.8 kg |

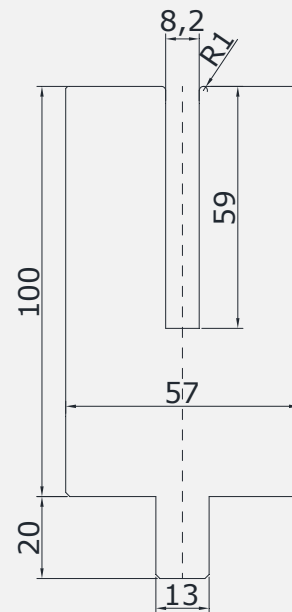
21.044



$\alpha=24$ R=0.6 H=158.00 Max T/m=80

| Order Number | Length | Price | Weight |
|------------------|--------|-------|---------|
| 21.044.500 (Pin) | 500 mm | | 14.0 kg |
| 21.044.200 | 200 mm | | 5.6 kg |
| 21.044.100 | 100 mm | | 2.8 kg |
| 21.044.550S | 550 mm | | 15.4 kg |

22.030

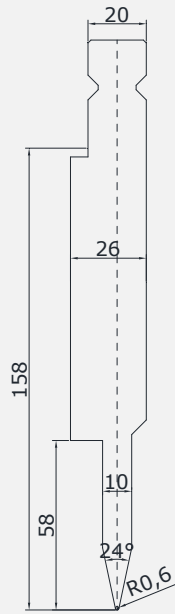


U=8.2 R=1.0 H=100.00 Max T/m=50

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 22.030.500 | 500 mm | | 21.5 kg |
| 22.030.200 | 200 mm | | 8.6 kg |
| 22.030.100 | 100 mm | | 4.3 kg |
| 22.030.550S | 550 mm | | 23.6 kg |

Flattening Punch and Die

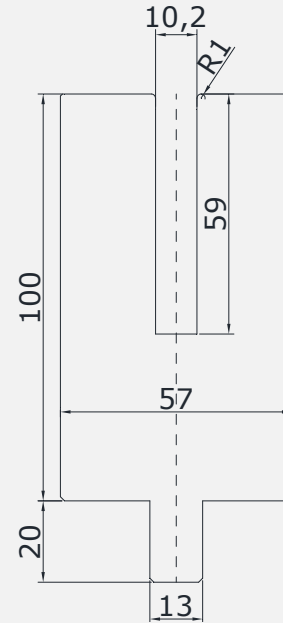
21.045



$\alpha=24$ R=0.6 H=158.00 Max T/m=80

| Order Number | Length | Price | Weight |
|------------------|--------|-------|---------|
| 21.045.500 (Pin) | 500 mm | | 14.5 kg |
| 21.045.200 | 200 mm | | 5.8 kg |
| 21.045.100 | 100 mm | | 2.9 kg |
| 21.045.550S | 550 mm | | 16.0 kg |

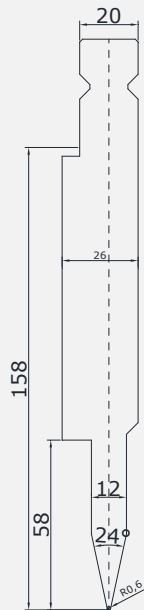
22.031



U=10.2 R=1.0 H=100.00 Max T/m=50

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 22.031.500 | 500 mm | | 21.0 kg |
| 22.031.200 | 200 mm | | 8.4 kg |
| 22.031.100 | 100 mm | | 4.3 kg |
| 22.031.550S | 550 mm | | 23.1 kg |

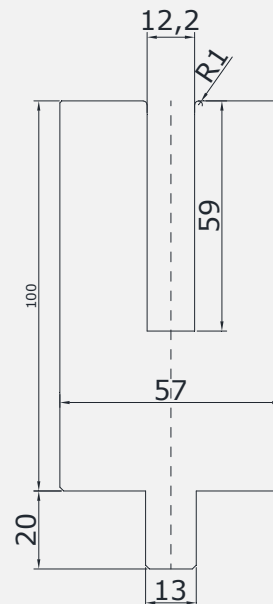
21.046



$\alpha=24$ R=0.6 H=158.00 Max T/m=80

| Order Number | Length | Price | Weight |
|------------------|--------|-------|---------|
| 21.046.500 (Pin) | 500 mm | | 15.0 kg |
| 21.046.200 | 200 mm | | 6.0 kg |
| 21.046.100 | 100 mm | | 3.0 kg |
| 21.046.550S | 550 mm | | 16.5 kg |

22.032

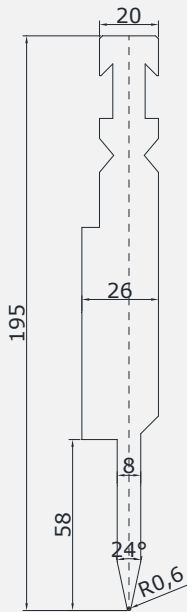


U=12.2 R=1.0 H=100.00 Max T/m=50

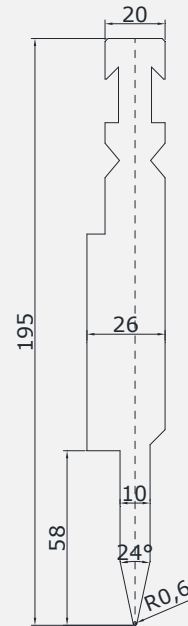
| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 22.032.500 | 500 mm | | 20.5 kg |
| 22.032.200 | 200 mm | | 8.2 kg |
| 22.032.100 | 100 mm | | 4.1 kg |
| 22.032.550S | 550 mm | | 22.6 kg |

Flattening Punch and Die

31.018



31.019



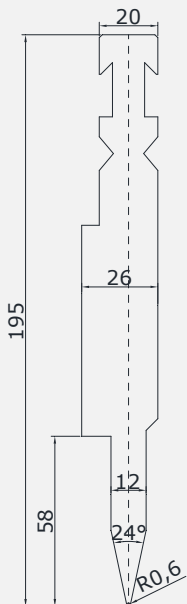
$\alpha=24$ R=0.6 H=195.00 Max T/m=80

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 31.018.500 | 500 mm | | 13.0 kg |
| 31.018.200 | 200 mm | | 5.2 kg |
| 31.018.100 | 100 mm | | 2.6 kg |
| 31.018.550S | 550 mm | | 14.3 kg |

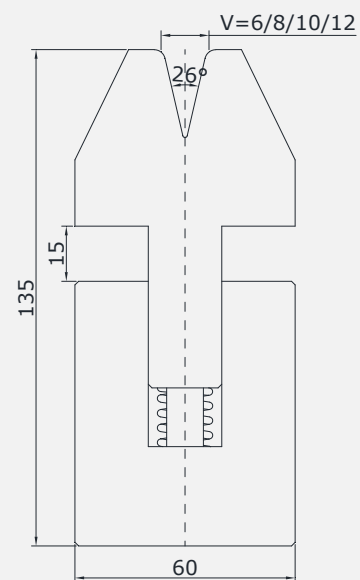
$\alpha=24$ R=0.6 H=195.00 Max T/m=80

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 31.019.500 | 500 mm | | 13.5 kg |
| 31.019.200 | 200 mm | | 5.4 kg |
| 31.019.100 | 100 mm | | 2.7 kg |
| 31.019.550S | 550 mm | | 14.9 kg |

31.020



12.094



$\alpha=24$ R=0.6 H=195.00 Max T/m=80

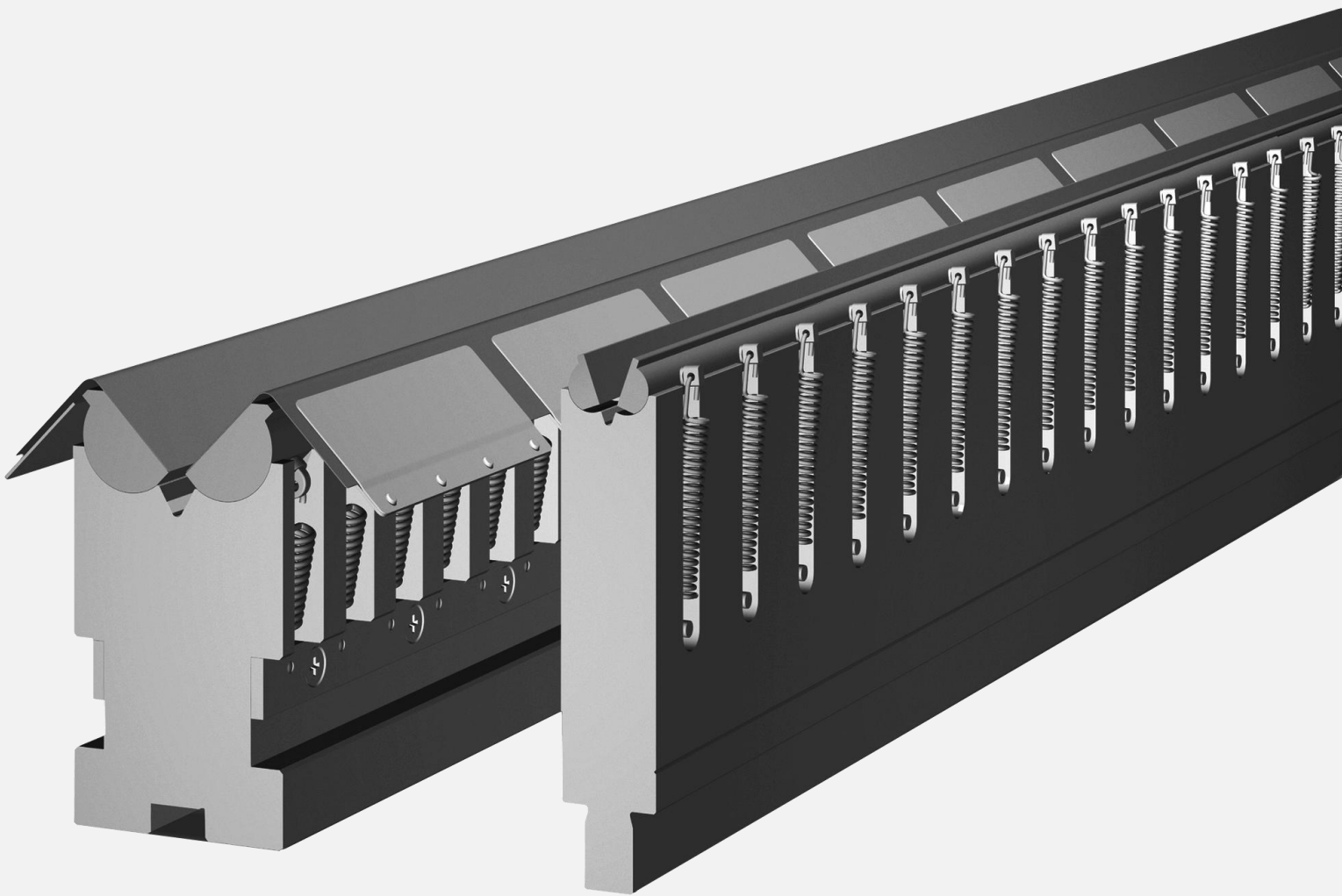
| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 31.020.500 | 500 mm | | 14.0 kg |
| 31.020.200 | 200 mm | | 5.6 kg |
| 31.020.100 | 100 mm | | 2.8 kg |
| 31.020.550S | 550 mm | | 15.4 kg |

V=6/8/10/12 H=135.00 Max T/m=50

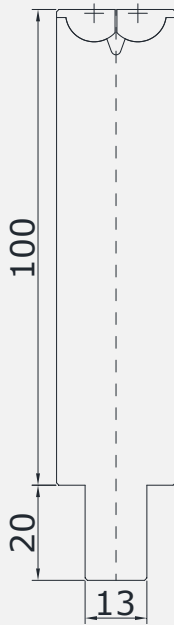
| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 12.094.835 | 835 mm | | 43.5 kg |
| 12.094.415 | 415 mm | | 21.7 kg |

Wingbend Tools

Precision Press Brake Tooling



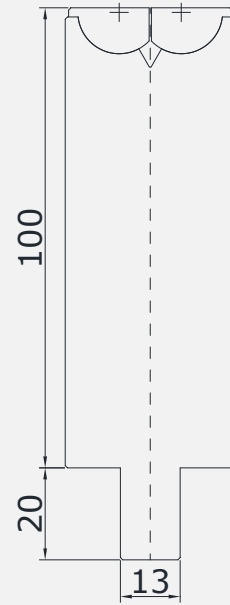
72.001



H100 Recommended thicknesses: 1.5mm

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 72.001.500 | 500 mm | | 10.0 kg |
| 72.001.300 | 300 mm | | 6.0 kg |
| 72.001.200 | 200 mm | | 4.0 kg |
| 72.001.100 | 100 mm | | 2.0 kg |
| 72.001.50 | 50 mm | | 1.0 kg |

71.002



H100 Recommended thicknesses: 2.0mm

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 72.002.500 | 500 mm | | 14.0 kg |
| 72.002.300 | 300 mm | | 8.4 kg |
| 72.002.200 | 200 mm | | 5.6 kg |
| 72.002.100 | 100 mm | | 2.8 kg |
| 72.002.50 | 50 mm | | 1.4 kg |

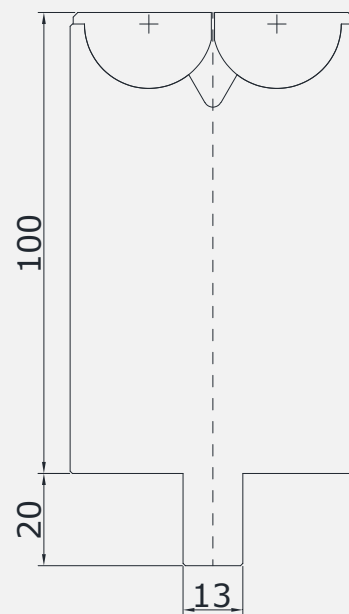
72.003



H100 Recommended thicknesses: 3.0mm

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 72.003.500 | 500 mm | | 15.0 kg |
| 72.003.300 | 300 mm | | 9.0 kg |
| 72.003.200 | 200 mm | | 6.0 kg |
| 72.003.100 | 100 mm | | 3.0 kg |
| 72.003.50 | 50 mm | | 1.5 kg |

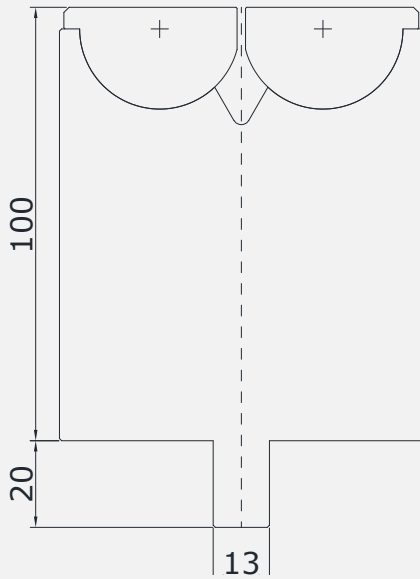
72.004



H100 Recommended thicknesses: 4.0mm

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 72.004.500 | 500 mm | | 22.5 kg |
| 72.004.300 | 300 mm | | 13.5 kg |
| 72.004.200 | 200 mm | | 9.0 kg |
| 72.004.100 | 100 mm | | 4.5 kg |
| 72.004.50 | 50 mm | | 2.3 kg |

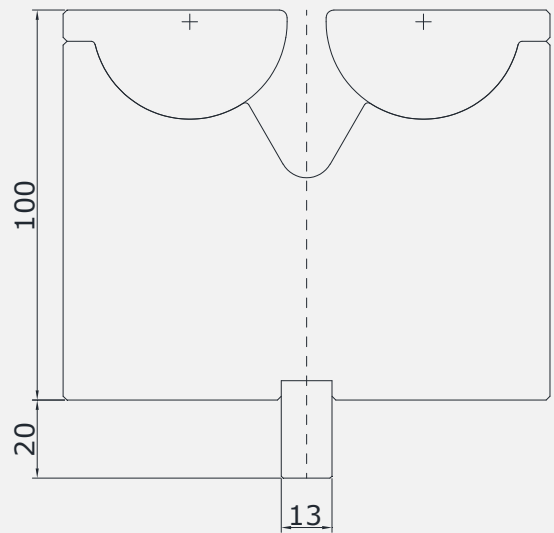
72.005



H100 Recommended thicknesses: 5.0mm

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 72.005.500 | 500 mm | | 29.0 kg |
| 72.005.300 | 300 mm | | 17.4 kg |
| 72.005.200 | 200 mm | | 11.6 kg |
| 72.005.100 | 100 mm | | 5.8 kg |
| 72.005.50 | 50 mm | | 2.9 kg |

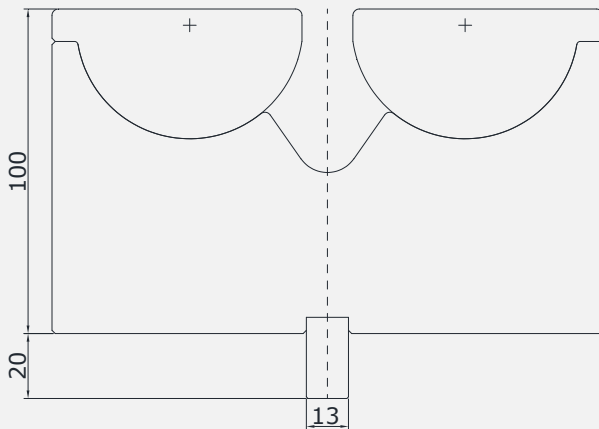
71.006



H100 Recommended thicknesses: 6.0mm

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 72.006500 | 500 mm | | 45.3 kg |
| 72.006.300 | 300 mm | | 27.2 kg |
| 72.006.200 | 200 mm | | 18.2 kg |

72.006



H100 Recommended thicknesses: 10.0mm

| Order Number | Length | Price | Weight |
|--------------|--------|-------|---------|
| 72.007.500 | 500 mm | | 61.5 kg |
| 72.007.300 | 300 mm | | 36.8 kg |
| 72.007.200 | 200 mm | | 24.6 kg |