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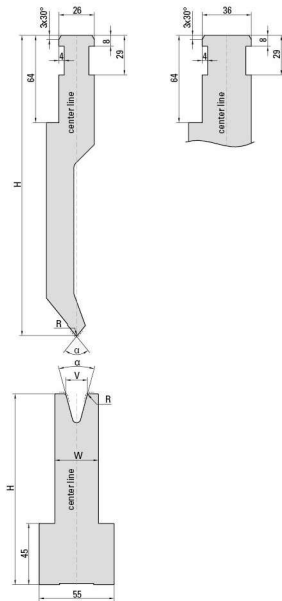


Quality and precision

- ▶ Optimum materials
 - 42 CrMo4, tempered to 1100 - 1200 N/mm²
 - C45, tempered to 800 - 850 N/mm²
 - C45, 650 - 800 N/mm²
 - 1.2312, tempered to 950 - 1100 N/mm²
- ▶ Bending radius/intake radii hardened up to 55 - 58 HRC
- ▶ Precision ground
- ▶ Guaranteed exchangeability and parallelism
- ▶ Tool marking with all technical information

26 mm clamping

36 mm clamping



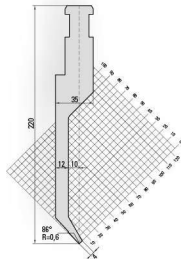


Punches/top tools

17.100

200 kN/m

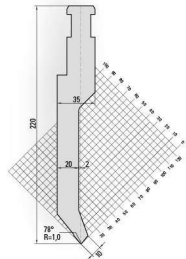
on request



17.110

1100 kN/m

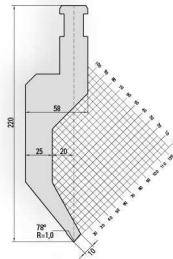
on request



17.120

550 kN/m

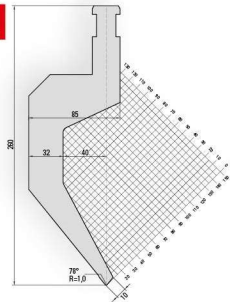
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17.130

480 kN/m

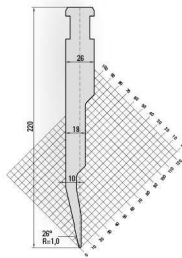
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17.140

440 kN/m

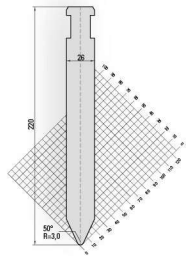
on request



17.180

3000 kN/m

on request





Holder for blade with changeable blades

17.150

600 kN/m

H = 172 mm
Holder for blade with
hardened flattening part
on request

17.151

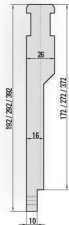
600 kN/m

H = 272 mm
Holder for blade with
hardened flattening part
on request

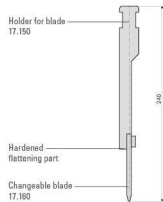
17.152

600 kN/m

H = 372 mm
Holder for blade with
hardened flattening part
on request



EXAMPLE OF USE



17.160

600 kN/m

changeable blade 30°
on request



17.170

600 kN/m

changeable blade 30°
on request



17.161

600 kN/m

changeable blade 28°
on request



17.171

600 kN/m

changeable blade 28°
on request

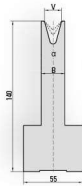




Dies

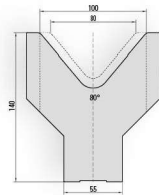
27.010

on request



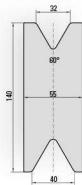
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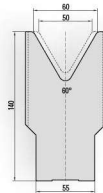
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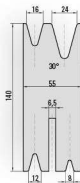
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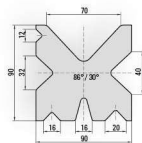
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27.080

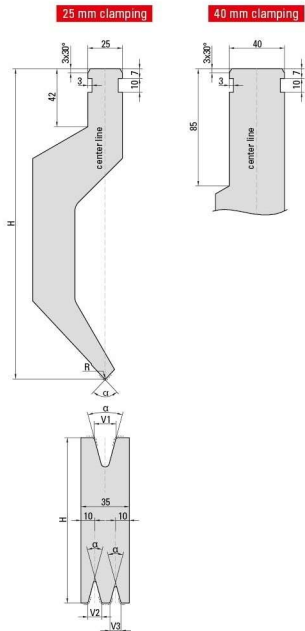
on request





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 - 1.2312, tempered to 950 - 1100 N/mm²
- ▶ Bending radius/intake radii hardened up to 55 - 58 HRC
- ▶ Precision ground
- ▶ Guaranteed exchangeability and parallelism
- ▶ Tool marking with all technical information





Dies

27.200

on request



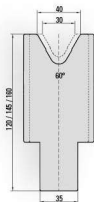
27.210

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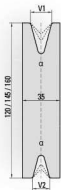
27.220

on request



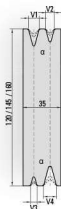
27.230

on request



27.240

on request

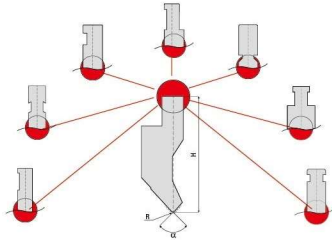




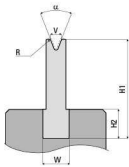
Quality and precision

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 - C45, 650 - 800 N/mm²
 - 1.2312, tempered to 950 - 1100 N/mm²
- ▶ Bending radius/intake radii hardened up to 55 - 58 HRC
- ▶ Precision ground
- ▶ Guaranteed exchangeability and parallelism
- ▶ Tool marking with all technical information
- ▶ Individual production according to your specification

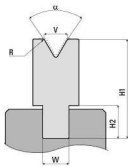
Examples punch/top tool clampings



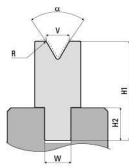
Examples die clampings



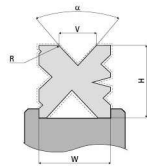
Force on the base



Force on the base



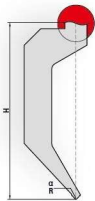
Force on shoulder



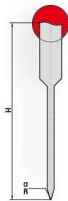
Clamping multi-V-die



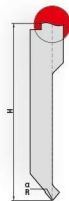
Examples punches/top tools



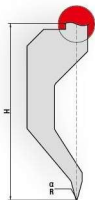
Example 1



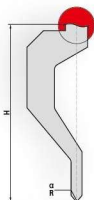
Example 2



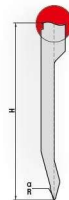
Example 3



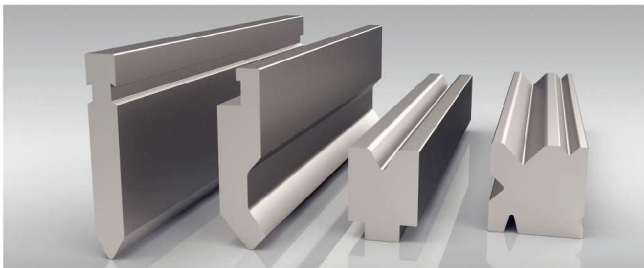
Example 4



Example 5

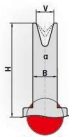


Example 6



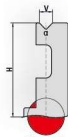


Examples dies



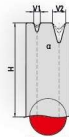
Example 1

1



Example 2

2



Example 3

3



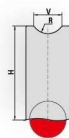
Example 4

4



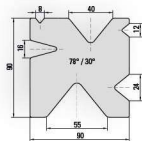
Example 5

5



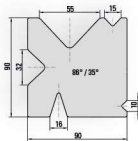
Example 6

6



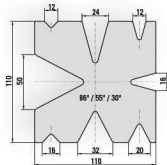
Example 7

7



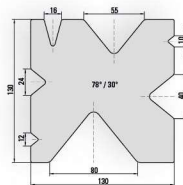
Example 8

8



Example 9

9



Example 10

10