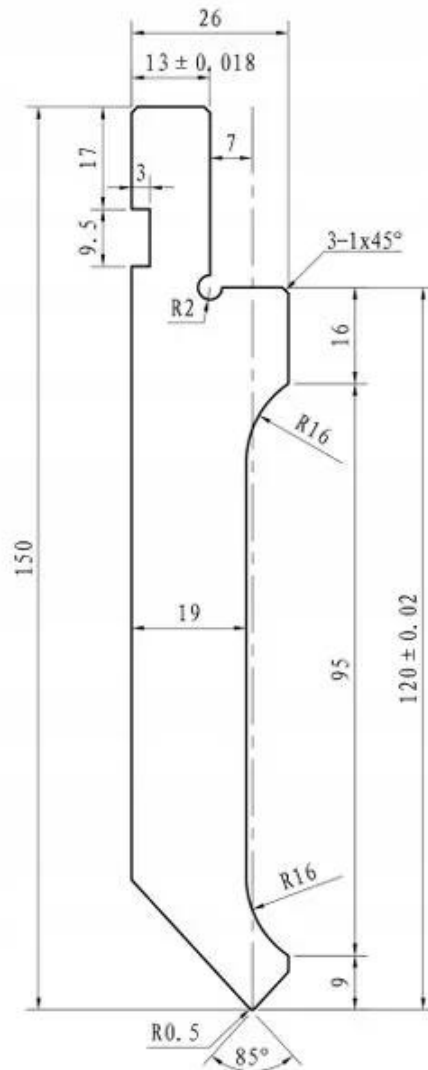


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Digima die for AMADA press brake 801x150x26, 2 segments, L = 1602 mm, 40T



加工: 801x2x150x26/1付

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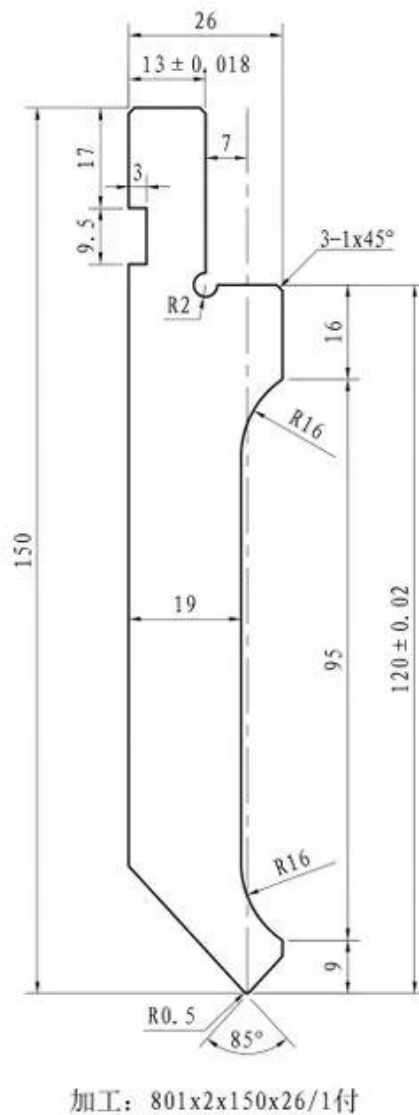
Digima die for press brake TYPE AMADA 801x150x26, 2 segments, 40 tonnes, L=1602 mm

We present a professional top die from Digima, designed for the precise processing of sheet metal on press brakes compatible with the Amada system. This tool is a key component of the bending process, where the highest precision and angular repeatability are required. The punch is made from high-grade T8A steel, which, combined with specialist heat treatment, guarantees extreme resistance to wear and mechanical deformation under high pressure.

To ensure maximum durability of the working edge, the punch tip has undergone high-frequency induction hardening, achieving a hardness of $HRC\ 45 \pm 2$ degrees. The product is characterised by excellent geometry and a high-quality surface finish, which ensures no marks are left on the bent material and perfect dimensional stability. The tool is fully adapted for use in segmented sets, where the tolerance at the joints between individual elements does not exceed 0.05 mm, allowing long bending lines to be created without

the risk of steps forming.

Suitable for the PBH-40-1600 model and others with these dimensions



Full technical specifications and design parameters

According to the technical documentation, the set and the individual tools have the following specifications:

Punch specifications:

- **Working length:** L is 801 mm per segment (the set contains 2 segments, giving a total of 1602 mm; fits 1600 mm with a lifting capacity of 40 tonnes).



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- **Overall height:** 150 mm.
- **Overall width (top):** 26 mm.
- **Mounting dimension:** 13 plus or minus 0.018 mm.
- **Working height (to the bending axis):** 120 ± 0.02 mm.
- **Vertex angle:** 85 degrees.
- **Blade rounding radius:** R 0.5.
- **Working body width:** 19 mm.
- **Clamping socket dimensions:** height 9.5 mm with a undercut depth of 3 mm.
- **Clamping positioning:** distance 17 mm from the upper edge to the socket.
- **Additional radii and chamfers:** R2 radius at the socket, R16 structural curves, 1x45-degree chamfer in 3 places.
- **Profile section dimensions:** upper straight section 16 mm, side section 95 mm, lower foot height 9 mm.
- **Manufacturing tolerances:** parallelism and perpendicularity error less than or equal to 0.05 mm.
- **Pressure:** 40 tonnes

Die parameters:

- **External dimensions:** 55 mm by 55 mm.
- **Overall length:** 1600 mm.
- **Available V-grooves (opening width):** V10, V12, V16 and V24.
- **V-groove angle:** 86 degrees.
- **Mounting holes:** 2 M12 holes, 30 mm deep.
- **V-edge radii:** 2-R2.
- **Offset dimensions and pitch:** 4 mm, 12 mm, 16 mm, 14 mm, 24 mm, 8 mm.
- **Axial offsets:** 30 mm, 46 mm, 20 mm.
- **End finishes:** 5x45-degree chamfer on front edges.
- **Manufacturing details:** undercuts at the bottom of the grooves (so-called tool exits) 2x2 mm, general radii not specified R 0.5.

*The photographs are for illustrative purposes only; the main image shows the cross-sectional shape of the tool as per the technical drawing, without indicating the length)

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Visualisation of a similar segment: