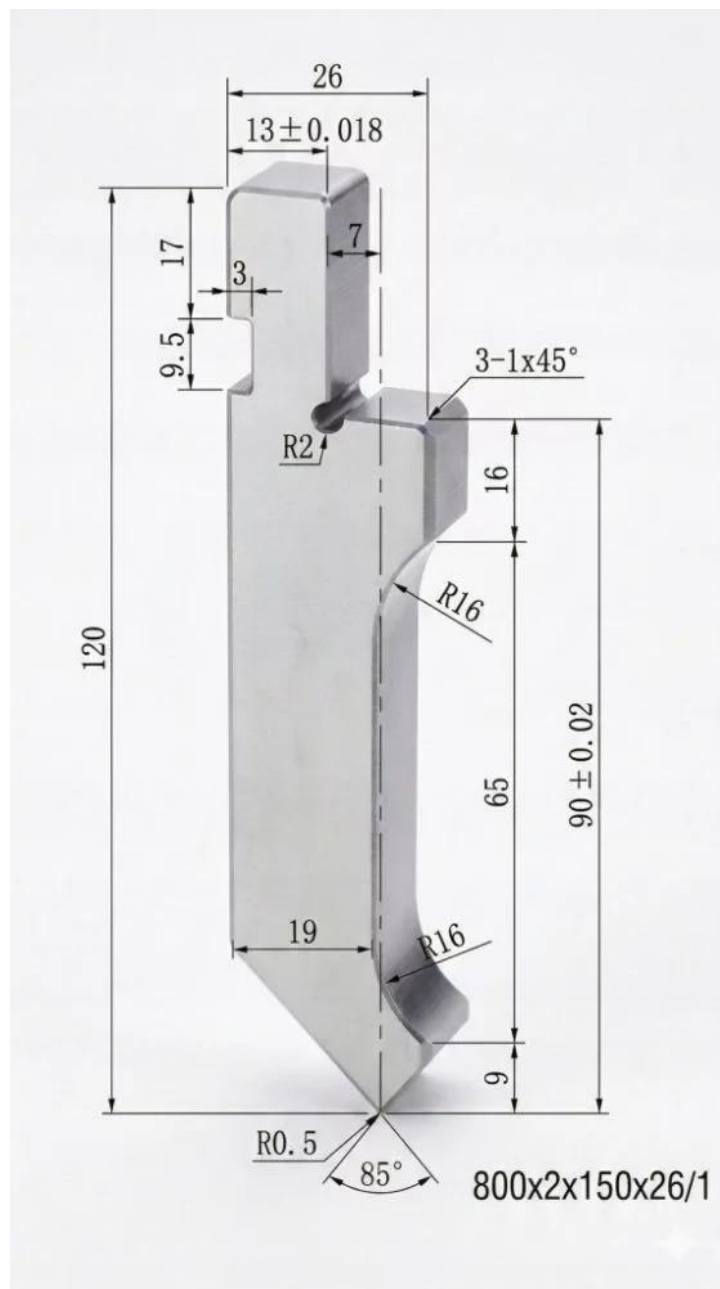




KARTA PRODUKTOWA



Digima die for AMADA press brake, TYPE 800x120x26, 2 segments, L=1600mm

Production data and logistics for the set

The tool is classified under the technical designation 800x2x120x26/1, which precisely specifies the method of delivery and its dimensional parameters. This designation provides the following product details:

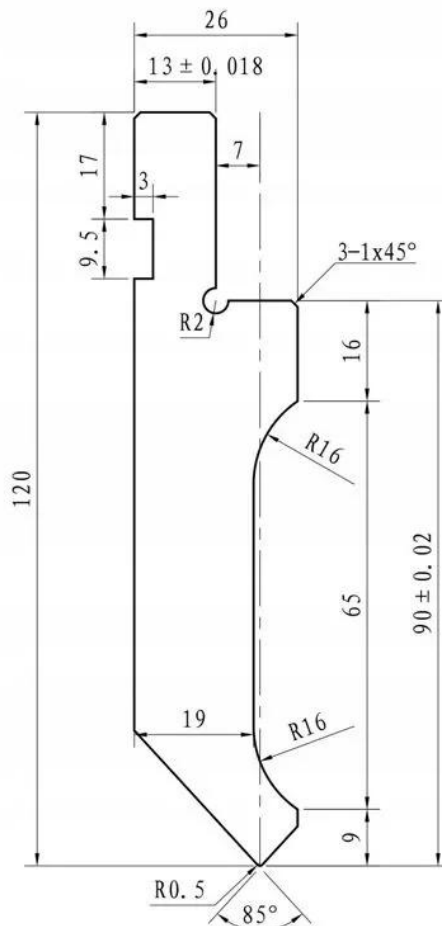
- **Segment configuration:** The set comprises two identical tools (designation x2), each 800 mm long. This results in a total bending line length of 1600 mm when the segments are fully assembled.

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- **Height and width:** The dimension of 120 mm refers to the total height of the tool blank prior to final machining, whilst the value of 26 mm specifies the fixed width of the punch body, which ensures high rigidity under load.
- **Completeness:** The final part of the designation (/1) confirms that this is a single complete production set, manufactured from the same batch of T8A material, which guarantees identical plastic properties and hardness for both segments.

Thanks to this division into two equal sections of 800 mm each, transport and installation on the press brake are significantly simplified, whilst maintaining perfect continuity of the bending line thanks to the precise grinding of the tool faces.

Suitable for the **PBH-30-1600** press and others with these dimensions



加工: 800x2x150x26/1付

Detailed Description of the Tool's Characteristics

- **Working part geometry:** The punch has a protruding working nose 9 mm high, which transitions



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smoothly into a process curve with a radius of R 16 mm. This design prevents collisions with the material when producing deep C-profiles.

- **Mounting system:** The standard mounting, 17 mm high and 13 mm wide, ensures stable positioning in the press holder. In addition, the profile is fitted with a safety groove with a radius of R 2 mm and a 3 mm deep undercut, which prevents the tool from falling out during replacement.
- **Manufacturing precision:** The distance from the clamping symmetry axis to the rear edge is 7 mm, which facilitates precise centring of the tool relative to the die.
- **Surface quality:** All contact edges and working surfaces are ground. The deviation in parallelism and perpendicularity of the entire component is maintained within a strict limit of 0.05 mm.
- **Set configuration:** The product is supplied in the form of two sections of equal length, each with chamfered end edges (1x45 degrees) to ensure a smooth transition of material between the segments.

Overall height

120 mm

Working height

90 mm (+/- 0.02 mm)

Vertex angle

85 degrees

Vertex radius (nose)

R 0.5 mm

Clamping width

13 mm (+/- 0.018 mm)

Total profile width

26 mm

Material

T8A tool steel

Surface hardness

HRC 45–50 (induction hardening)



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- Technical drawing of a tapered metal profile. The drawing shows a cross-section with a total width of 26 mm at the top and a height of 120 mm. The top edge has a 13 ± 0.018 mm dimension. The profile is tapered, with a 3-1x45° chamfer. The bottom edge has a 19 mm dimension. The profile is divided into three sections: 800 mm, 400 mm, and 400 mm, with a total length of 1600 mm. The profile has a 90 ± 0.02 mm dimension and a 95° angle. The profile is labeled with R27, R16, and R0.5. The drawing is labeled with dimensions 120, 26, 13 ± 0.018, 9.5, 17, 3-1x45°, R27, 16, 19, R16, 65, 90 ± 0.02, R0.5, 95°, 800 mm, 400 mm, 400 mm, Total Length: 1600 mm, and Tooling: 800x2x150x26/1.

*The photographs are for illustrative purposes only; the main image shows the cross-section of the tool itself as depicted in the technical drawing, without indicating the length)