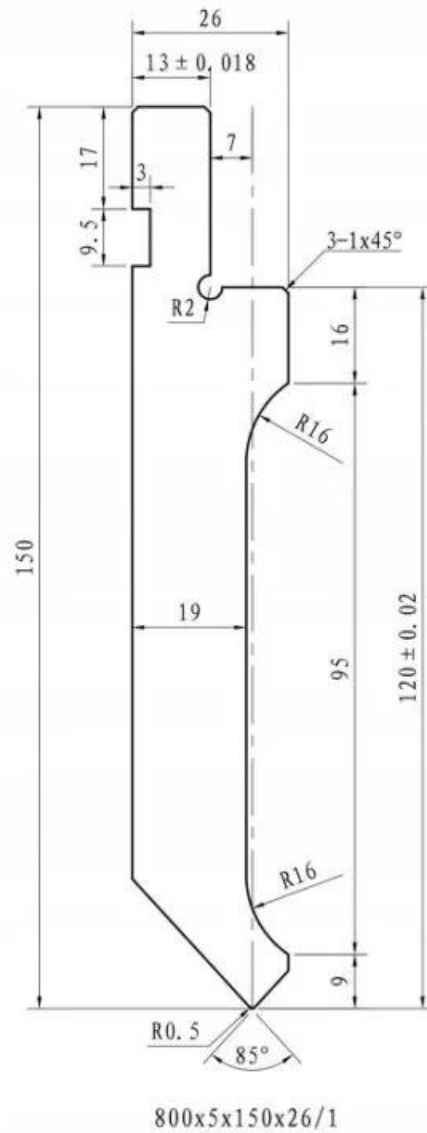


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Digima die for the AMADA 800x150x26 5s L 4000mm 160T press brake



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Digima die for an AMADA press brake, TYPE 800x150x26, 5 segments, L=4000mm, pressure: 160T (optional)

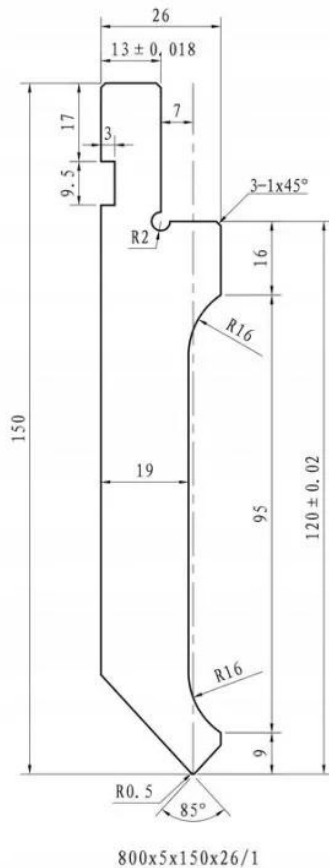
We are pleased to present a high-quality Digima top die, designed for the precise bending of sheet metal on press brakes using the Amada clamping system. This tool is exceptionally versatile and is fully compatible with machines with a working pressure of 160 tonnes. It is manufactured from high-grade T8A tool steel, ensuring excellent structural stability and resistance to fracture under high loads.

The set, with a total length of 4,000 millimetres, consists of 5 precision-machined segments, each 800 millimetres long. A key factor in enhancing the punch's durability is the high-frequency induction hardening process applied to the working edge, which has achieved a hardness of HRC 45 ± 2 degrees. As a result, the punch tip retains its original geometry throughout thousands of bending cycles, ensuring perfect angle repeatability. The precision-ground tip, with an angle of 85 degrees and a radius of R 0.5 millimetres,

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enables bends of the highest aesthetic quality.

Suitable for the **PBH-160x4000 press and others of similar dimensions**



Full technical specifications and design parameters

Below is a complete summary of the stamp's technical data, taken directly from the design documentation:

- **Assembly length:** 4,000 millimetres (5 segments of 800 millimetres each).
- **Total height of the tool:** 150 millimetres.
- **Working height (base plane to bending axis):** 120 plus or minus 0.02 millimetres.
- **Overall width of the punch:** 26 millimetres.
- **Body width in the working section:** 19 millimetres.
- **Upper mounting dimension:** 13 ± 0.018 millimetres.
- **Punch cutting edge angle:** 85 degrees.
- **Radius of the working nose:** R 0.5 millimetres.
- **Dimensions of the safety recess:** height 9.5 millimetres with a cut-in depth of 3 millimetres.
- **Socket positioning:** 17 millimetres from the upper edge and an axial offset of 7 millimetres.
- **Design radii:** R 2 radius at the recess and R 16 radii on the body profile.

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- **Edge chamfering:** type 1 chamfer at 45 degrees, applied at three points on the profile.
- **Vertical sections of the profile:** a straight upper section of 16 millimetres, a side section 95 millimetres long and a lower foot 9 millimetres high.
- **Tolerances:** tool parallelism and perpendicularity error less than or equal to 0.05 millimetres.
- **Joint accuracy:** error at segment joints less than or equal to 0.05 millimetres.
- **End edge finish:** the edges at the section joints (excluding the cutting edge) are rounded to a radius of R 0.5 millimetres.



Manufacturing standards and tolerances

- **Heat treatment:** high-frequency hardening of the cutting edge to a hardness of HRC 45 ± 2 degrees.
- **Fitting accuracy:** the error at segment joints when operating as a set (group interchangeability) is less than or equal to 0.05 millimetres.
- **Geometric tolerances:** the tool's parallelism and perpendicularity errors are maintained within limits of 0.05 millimetres or less.
- **End-face finish:** all edges at section joints, except for the cutting edge, are rounded to a radius of R 0.5 millimetres.
- **Set configuration:** total length 4000 mm, comprising 5 segments of 800 millimetres each.

*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), whilst the side view provides an example of what such a segment would look like in reality