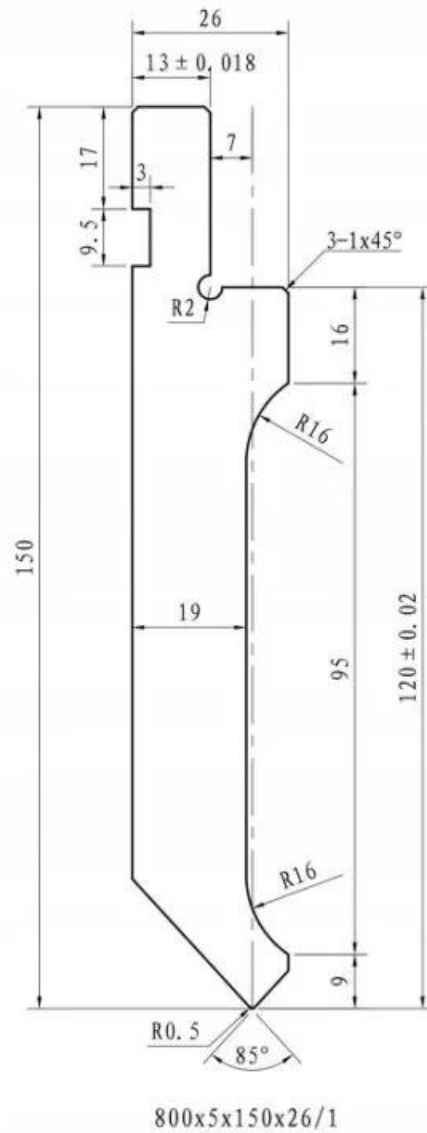


KARTA PRODUKTOWA

Digima die for the AMADA 800x150x26 5s L 4000mm 100-125T press brake



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Digima die for an AMADA press brake, TYPE 800x150x26, 5 segments, L=4000mm, pressure: choice of 100T or 125T

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, being fully compatible with machines with working pressures of both 100 tonnes and 125 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,



enables bends of the highest aesthetic quality.

- ## Full technical specifications and design parameters

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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 16 millimetres long, a side section 95 millimetres long and a lower flange 9 millimetres high.
- **Tolerances:** parallelism and perpendicularity error of the tool 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 depicted in the technical drawing (without indicating the length), whilst the side view provides an example of what such a segment would look like in reality