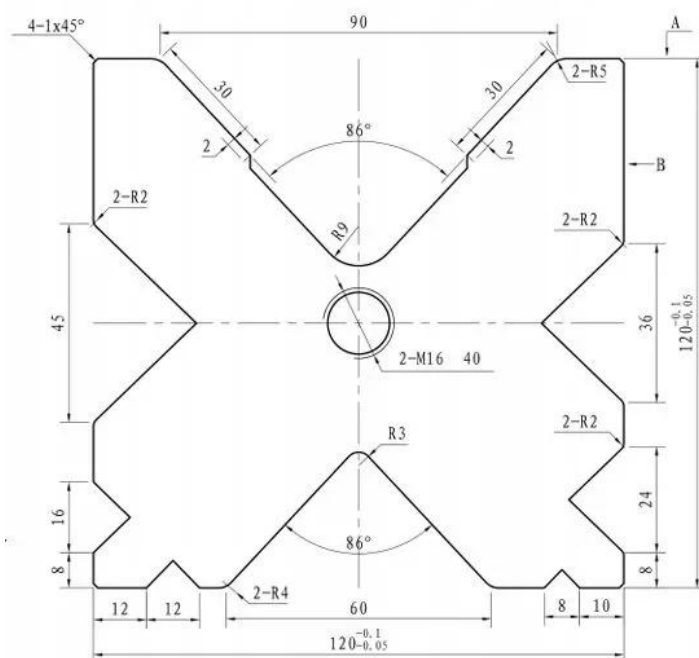


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Digima multi-groove prism die for an AMADA press brake, 120x120x3200 mm, 200T

We are pleased to present a professional Digima lower die with a four-sided design, engineered for heavy-duty use on press brakes utilising the Amada clamping system. This tool has been optimised for use with machines with a pressing force of up to 200 tonnes, enabling the precise bending of thick sheet metal whilst maintaining full process stability. Manufactured from high-grade T8A tool steel, it guarantees extreme resistance to compression and a long service life for the cutting edges, even during intensive industrial use.

The die features a universal multi-groove design with a cross-section of 120 by 120 millimetres, offering the operator access to a wide range of bending channels without the need to dismantle or replace the tool. The use of such a solid profile ensures excellent die rigidity, which directly translates into high angular repeatability and the elimination of tool deformation under high pressure. Each working channel has undergone precision grinding, which protects the surface of the material being bent and ensures a clean bend line along the entire length of 3,200 millimetres.

Compatible with the **PBH-200-3200 press and others of these dimensions**



Technical parameters and design specifications

Below is a detailed summary of the technical specifications for the multi-groove die, compiled directly from the design documentation:

Overall dimensions and tolerances of the body:

- **Total length of the tool:** 3200 millimetres.
- **Cross-sectional profile:** a square with a side length of 120 millimetres.
- **Tolerance on the external dimension:** 120 millimetres, with a deviation ranging from minus 0.1 millimetres to minus 0.05 millimetres.
- **Geometric precision:** the error in parallelism and straightness of the die along its entire length does not exceed 0.05 millimetres.

Geometry of bending channels and V-grooves:

- **Main upper channel:** a wide opening measuring 90 millimetres with side sections of 30 millimetres each.
- **Main lower channel:** an opening 60 millimetres wide.
- **Set of side channels:** the tool is equipped with a series of grooves with widths of 45 mm, 36 mm, 24 mm, 16 mm, 12 mm, 10 mm and 8 mm.
- **Bending angles:** all standard V-channels have an opening angle of 86 degrees.
- **Working edge radii:** R9 and R5 radii are used for the largest channels. The remaining edges are

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finished with R4, R3 and R2 radii to protect the material from damage.



Installation details and finish specifications

- **Stabilisation system:** the die has two mounting holes for M16 bolts, 40 millimetres deep.
- **Final machining of the body:** sharp edges at both ends of the die have been safely rounded off with a wide 5 by 45-degree chamfer.
- **Finish of external edges:** a longitudinal external chamfer on the body, type 1 at 45 degrees, machined at four points along the profile.
- **Additional technical parameters:** relief channels measuring 2 by 2 millimetres have been machined in the bottoms of the working channels. All channel radii not marked on the drawing are R 0.5 millimetres.

*The photographs are for illustrative purposes only; the main photograph shows the cross-sectional shape of the tool as depicted in the technical drawing (without indicating the length), whilst the side photograph shows an example of how such a segment would look in reality