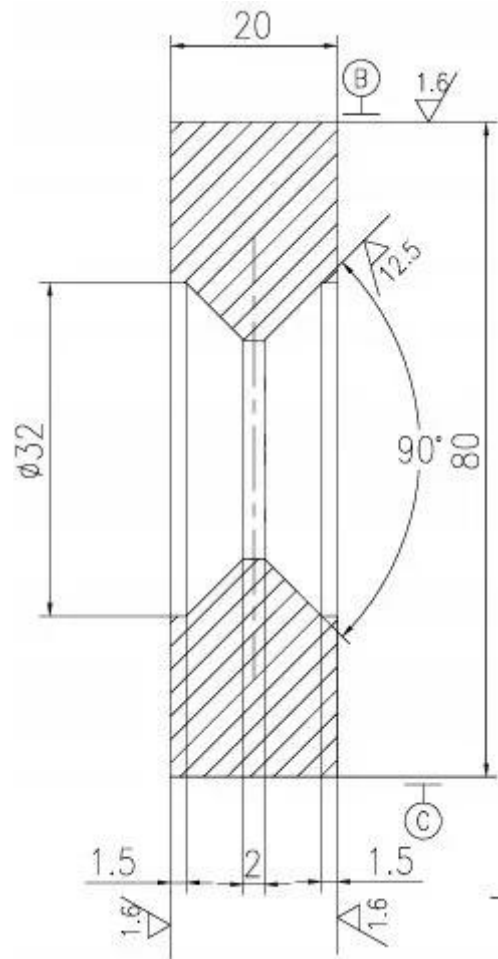


KARTA PRODUKTOWA

10x3200 mm lower guillotine blades for NG4 hydraulic shears – 4-sided replacement





Lower blade for a 10x3200 hydraulic guillotine – 9CrSi tool steel

Hardness HRC 55–60

Characteristics and intended use of the 10x3200 bottom knife

Digima presents a highly specialised lower blade (stationary), designed for the most demanding cutting systems with dimensions of 10x3200. This is a key component mounted directly onto the machine table, which, in conjunction with the top blade, guarantees a perfect cutting line across the entire working width of the machine, which is 3200 millimetres. The Digima product features a robust construction, capable of withstanding the extreme loads encountered when cutting materials up to 10 millimetres thick.

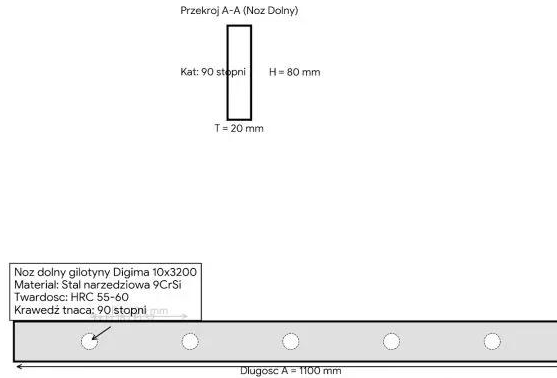
Detailed technical specifications of the Digima upper blade:

- **Blade type:** Lower blade, i.e. the stationary blade forming the cutting base
- **Intended use:** Industrial guillotines with a cutting capacity of up to 10 millimetres in thickness and 3200 millimetres in width.
- **Length of a single segment (A):** 1,100 millimetres.
- **Set configuration:** A full cutting line 3.2 metres wide consists of three precisely matched Digima segments.



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RYSUNEK TECHNICZNY DIGIMA - NOZ DOLNY 10x3200



Analysis of the technical specifications of the Digima 10x3200 lower blade

The lower blade in the 10x3200 system provides a stable cutting base for the most powerful machines, ensuring the rigidity required for cutting 10-millimetre-thick sheet metal. Below is a detailed summary of the technical specifications as set out in the documentation:

- **Geometry and design dimensions:**

Length of a single segment (A): 1100 millimetres. A complete set for a 3,200-millimetre-wide machine consists of three such Digima segments.

Profile height (H): The blade is 80 millimetres high.

Blade thickness (T): The blade is 20 millimetres thick, which ensures high resistance to point loads.

Cutting edge angle: This is 90 degrees, which is standard for a bottom knife, providing a solid support for the top knife.

- **Digima mounting system:**

Number of holes (n): Each segment is fitted with 5 mounting holes.

Axial hole spacing (B): Exactly 200 millimetres between the centres of adjacent holes.

Diameter of mounting holes: Through-holes with a diameter of 18 millimetres.

Screw recesses: They feature countersinks with a diameter of 32 millimetres, which allows the fasteners to be completely concealed beneath the blade's surface.

- **Material properties and manufacturing standards:**



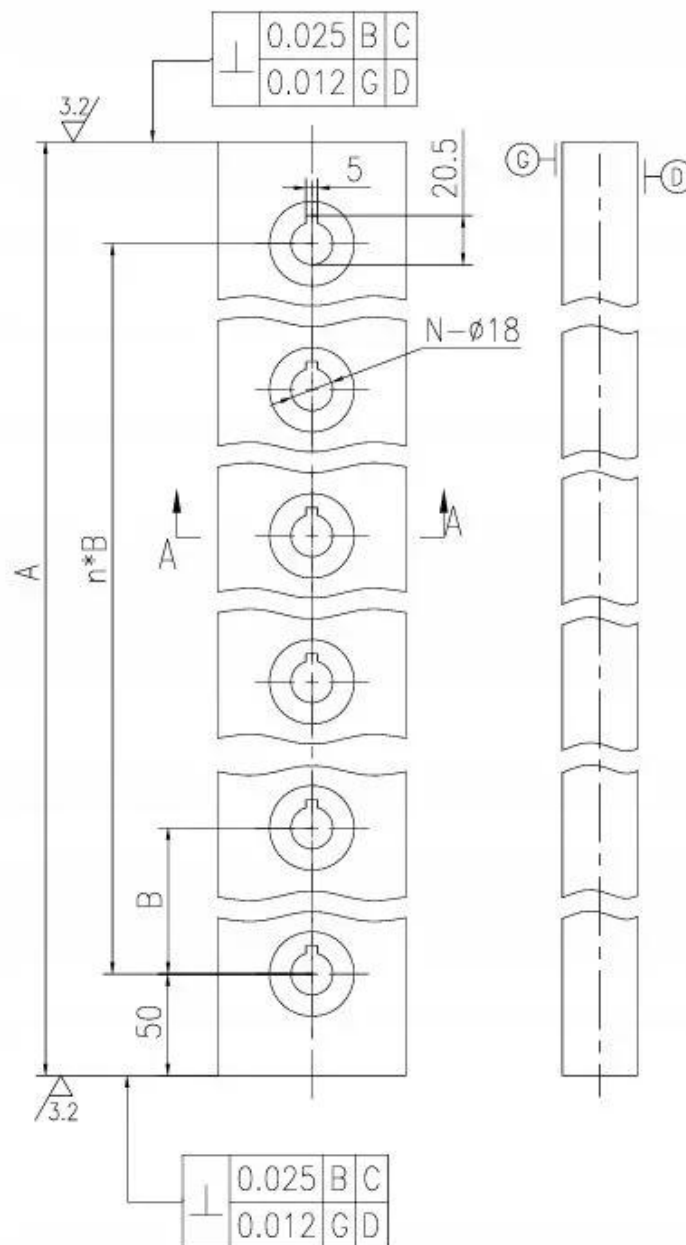
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Material grade: Made from 9CrSi high-alloy tool steel.

Working hardness: Hardened to between 55 and 60 HRC.

Quality control: Every Digima segment undergoes non-destructive testing to rule out internal defects in the steel.

Maintenance recommendations: The cutting edge is ground to a sharp point, and the documentation strictly prohibits blunting or rounding it off.





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9CrSi high-alloy tool steel and the durability of Digima

At Digima, we prioritise the highest material strength, which is why this model is made from high-alloy silicon-chromium tool steel, designated 9CrSi. This steel is characterised by exceptional dimensional stability and extreme wear resistance, which is essential for the continuous cutting of 10-millimetre-thick sheet metal. Thanks to an advanced hardening process, Digima blades maintain their performance characteristics throughout long periods of intensive use.

Material properties and quality processes:

- **Steel grade:** Specialised 9CrSi tool steel with high hardenability.
- **Hardness after heat treatment:** A stable range of fifty-five to sixty HRC on the Rockwell scale.
- **Heat treatment:** A complete annealing and hardening process ensuring a uniform material structure throughout the entire cross-section of the blade.
- **Consistency guarantee:** Every Digima segment undergoes mandatory non-destructive testing to rule out any internal defects in the steel.

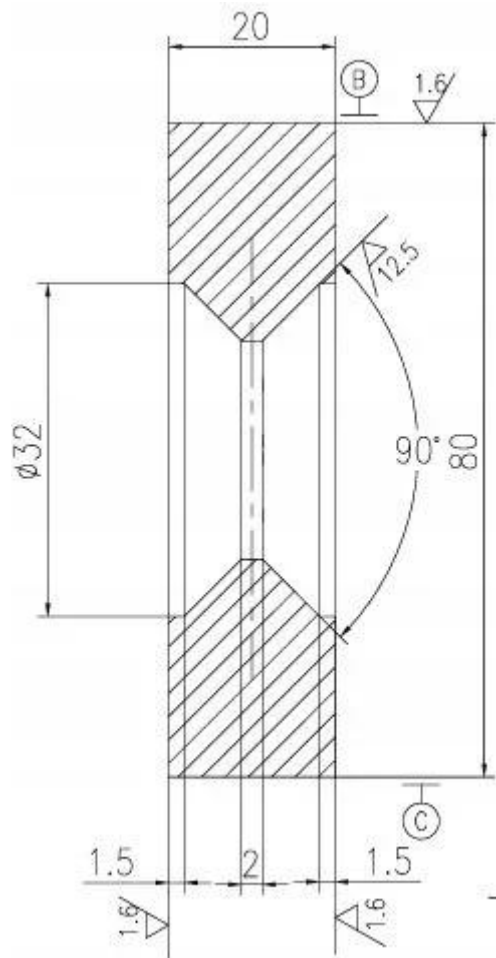
Digima assembly engineering and geometric precision

Every component of the Digima lower blade has been designed to facilitate its correct installation and calibration on the machine. The blade features a 90-degree perpendicular edge geometry, ensuring an optimal support surface for the material being cut. The system of mounting holes ensures even pressure of the blade against the guillotine table along its entire length of three thousand two hundred millimetres, eliminating the risk of vibration and displacement during operation.

Mounting and dimensional specifications:

- **Number of mounting holes:** Five holes per segment, each segment being 1,100 millimetres long.
- **Axial spacing of holes:** Exactly two hundred millimetres between the centres of adjacent holes.
- **Hole diameter:** Eighteen millimetres, suitable for standard mounting bolts.
- **Recesses for screw heads:** Special milled recesses with a diameter of thirty-two millimetres, allowing the fasteners to be completely concealed beneath the surface of the blade

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Cutting performance and professional service from Digima

Digima 10x3200 BOTTOM blades are characterised by a substantial cross-section, which is essential for maintaining a straight cutting line when processing 10 mm thick sheet metal. The blade is ground to the highest precision and, in accordance with the documentation, it is forbidden to blunt it or round off the edges – it must remain perfectly sharp for a clean, burr-free cut. As Digima, we offer not only the product but also full technical support, including a professional blade replacement service.

Dimensions and quality requirements:

- **Blade thickness:** A solid 20 millimetres to ensure maximum rigidity under load.
- **Blade height:** 80 millimetres, guaranteeing resistance to bending forces.
- **Cutting edge angle:** A precise 90 degrees for easier piercing of sheet metal.

Please note that not only can you purchase top-class cutting components from our company, but we also offer a **professional blade replacement service**.