



STROJÍRNY
POLDI



TOOLS





The Tool shop at POLDI Works was founded in 1903, with the primary intent of making tools for the needs of the metallurgical plant only. Production of semi-forged knives and blades of high speed steel for external customers began shortly before the First World War.

Today we use semi-finished products, from renowned European suppliers for the production of a wide range of tools, from conventional high speed steel grades.

Our manufacturing program includes tools for working material e.g. round, straight and cutting knives, dispensing glass and knives for cutting scrap metal.

There is also a long tradition in the production of dies, peaks, chisels, drill rods and special tools as well as components specific to customer's drawings and needs.

Most of the products are heat treated in our own hardening shop.



since 1889

"Great history. Excellent future"





TOOLS MADE OF HIGH-SPEED STEEL GRADES USED FOR MACHINING

The manufacturing of tools made of high-speed steel grades for machining, accompanied the development of high-speed steels in the parent company of POLDI, at first only for internal use, then later making them commercially available.

Most popular are tool blanks having a square, rectangular, circular or trapezoidal cross section in a wide range of dimensions. Made of HSS, HSSCo5 and HSSCo10, these tool blanks correspond with the actual DIN standards – “Drehwerkzeuge”.

Rough turning tools (straight, side and cranked), finishing, corner, cutting-off and necking tools. Keyway tools and threading tools are dependent on the size of the profile, manufactured as solid tools of HSS (profile 10x10mm, 12x12mm, 10x16mm) or butt welded of HSS and structural steel (16x16 to 40x40mm, 12x20 to 32x50mm). In certain cases a HSS plate is welded to the body of the structural steel. We can also manufacture special lengths as per customer’s specific needs.

Slotting tools are solid and made of HSS. In this sector, we can manufacture tools of typical lengths for various tolerances of grooves.

Revolving knives, planer tools and knives for jig-boring machines are still an integral part of our manufacturing portfolio.

All tool types correspond to DIN standards.

An independent production cell can offer custom manufacturing. Special forming, necking, setting or adjusting tools for the machining of conventional and high-speed steel grades can be made and coated to customer’s own specification and design.





CUTTING TOOLS

Cutting tools are manufactured in accordance with customer and/or manufacturer specifications, using tested and proven technologies supported by a long-term manufacturing tradition.

We manufacture tools from tool steels, high-speed steels and stainless steels which are characterized by high toughness, high strength and high wear resistance of the working edge.

OUR PRODUCTS

- Straight and cutting knives made of tool- and high-speed steels up to a maximum length of 1000mm and a maximum weight of 30 kg. For the food industry our knives are manufactured of hardened stainless steel
- Knives for cutting scrap metal
- Circular knives for longitudinal cutting of material, made of tool and high-speed steel grades, having a maximum diameter of 500mm with a tolerance $\pm 0,002\text{mm}$ and a weight of up to 30kg

We can also manufacture spacer rings up to the above given parameters. For the food industry, we manufacture circular knives of hardened stainless steel grades

- Shear blades for dosing glass made of high-speed steels

OTHER PRODUCTS AND SERVICES

- Pressing tools
- Tools for construction and mining
- Special tools for machining
- Poldi Hardness Tester



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