



CRANKSHAFTS





The production of crankshafts by STROJÍRNY POLDI, a.s. follows a long standing manufacturing tradition. The first crankshaft, for ship engines, left the former POLDI Hütte factory back in 1897, with the first automobile crankshaft, ordered by Austro Daimler, produced in 1904.

Semi-finished products for our mass production are purchased as castings and forgings. For low volume production, we are using free forgings. The high quality of our finished products is based on the experience, expertise and skills of our

company's staff. This is supported by modern machinery and the latest production techniques.

Product parameters are verified by STROJÍRNY POLDI's independent control department inspectors and are audited by teams from our customers and certifying organizations.

STROJÍRNY POLDI, a.s. delivers high quality crankshafts for the engines of leading global brands engaged in the production of Trucks, Buses and Tractors, agricultural, forestry and construction equipment, rail and aerospace transport as well as pumps and compressors.



since 1889

"Great history. Excellent future"





RAIL & AVIATION

ENGINES FOR DIESEL LOCOMOTIVES
AVIATION PISTON ENGINES



OFF HIGHWAY

TRACTORS
CONSTRUCTION VEHICLES
AGRICULTURAL & FORESTRY EQUIPMENT
MINING EQUIPMENT



GENSETS & COMPRESSORS

PISTON & SCREW COMPRESSORS
CHP UNITS
SCREW PUMPS



AUTOMOTIVE

PASSENGER CARS
TRUCKS & BUSES
MOTOR SPORT
MILITARY EQUIPMENT





TAILORED TO THE ENGINE'S NEEDS

We supply our crankshafts completely machined and assembled incl. accessories (e.g. counterweights, gears, trigger wheels, pins, keys etc.) ready for installation into specific engine sets.

POWER OF TRADITION

- More than 100 years of experience in the manufacturing of crankshafts
- Dynamic teamwork on R&D projects
- Top quality with cost savings in OEM and aftermarket
- Optimization of material
- Construction of 3D models
- Own design and manufacture of jigs and gauges needed for the production
- Specialists in the hardening of crankshafts
- Experts in the balancing of crankshafts
- Progressive R&D centre

100 % IN-HOUSE QUALITY INSPECTION

The quality of the crankshaft parameters is verified by internal & customer inspectors and is being certified by renowned external auditors.

MAXIMUM DIMENSIONS

Weight	350 kg
Circulating diameter	350 mm
Length	1 800 mm

MATERIAL

Alloyed steel
Micro-alloyed steel
Engineering steel
Cast iron

HEAT TREATMENT

Induction hardening
Nitriding
Nitrocarburising

PRODUCTION PROCESSES

Rough machining, milling, turning, drilling of oil hole channels, deburring, heat treatment, grinding, accessories assembly, balancing, polishing, crack detection, quality control, preservation and packaging.



STROJÍRNY POLDI, a.s.

Dubská 243, 272 03 Kladno – Dubí, Czech Republic
Phone: +420 313 115 110, Fax: +420 312 247 445
info@strojpolodi.com

Member of

JET INVESTMENT
MANAGEMENT



www.strojpolodi.com