

About our company

OMNIA KLF

OMNIA KLF is a traditional producer of steel components located in Slovakia. In our portfolio we have precise and high-shape parts with grooves for gears, axels, engine parts, rings for ball, roller and tapered roller bearings, special rings for train sets, washers, bushings, nuts and much more. We manufacture and supply forgings for segments such as railway industry, automotive and bearings producers with various applications. Our company holds certificates ISO 9001, IATF 16949, ISO 14001, ISO 45001 and HPQ DB.



Technologies and services

Technologies

OMNIA KLF disposes not only with highly qualified human capacities, but also with machinery from renowned global manufacturers. In terms of the nature and specifics of the production process on individual types of production equipment, the machinery of our company can be divided as follows:

Forging hammers and presses

Max. outer diameter of the forging: 450 mm
Max. forging weight: 100 kg
Max. forging width: 350 mm
Capacity: approx. 50 thousand pcs / month

HATEBUR forging machines

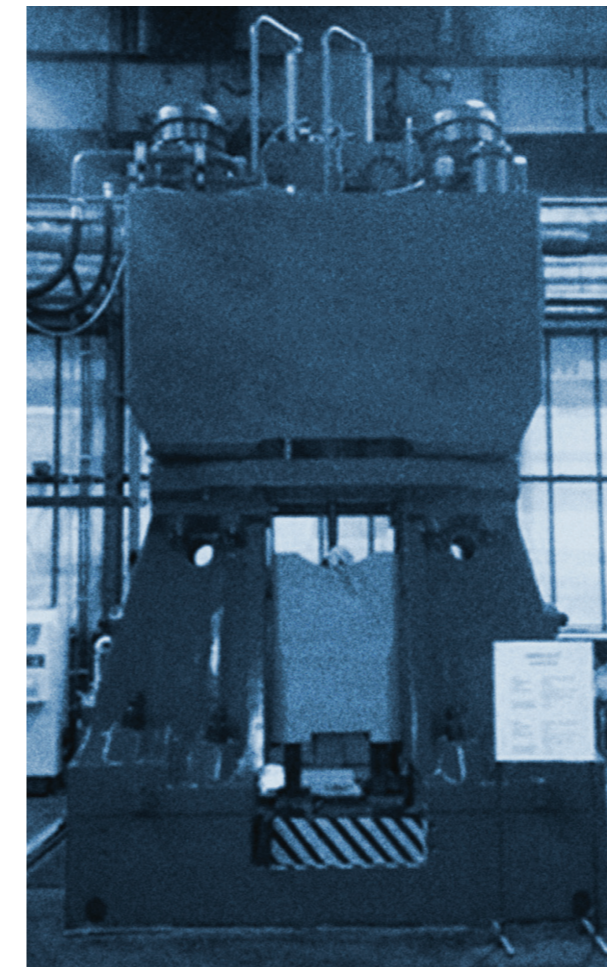
Max. forging outer diameter: 180 mm
Max. forging weight: 3.5 kg
Max. forging width: 60 mm
Min. forging wall thickness: 15 mm
Capacity: approx. 4.5 mil. pcs / month

Hot rolling

Max. outer diameter of the forging: 800 mm
Max. forging weight: 65 kg
Max. forging width: 200 mm
Capacity: approx. 60 thousand pcs / month

Heat Treatment

Soft annealing – 900 ton / month
Normalizing – 1050 ton / month
Quenching & Tempering – 250 ton / month
Hardening – 100 ton / month



Precision in forging technology



www.omniaklf.sk

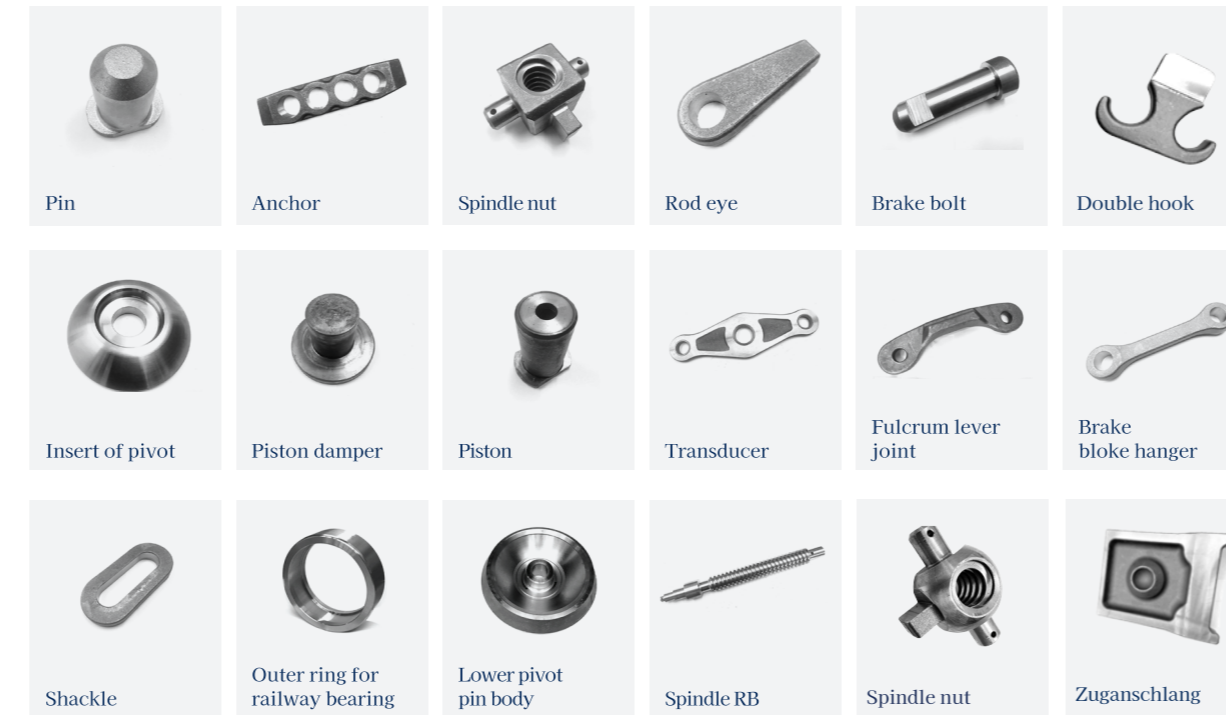
60 years of experience in railway forgings

Our product portfolio for railway industry

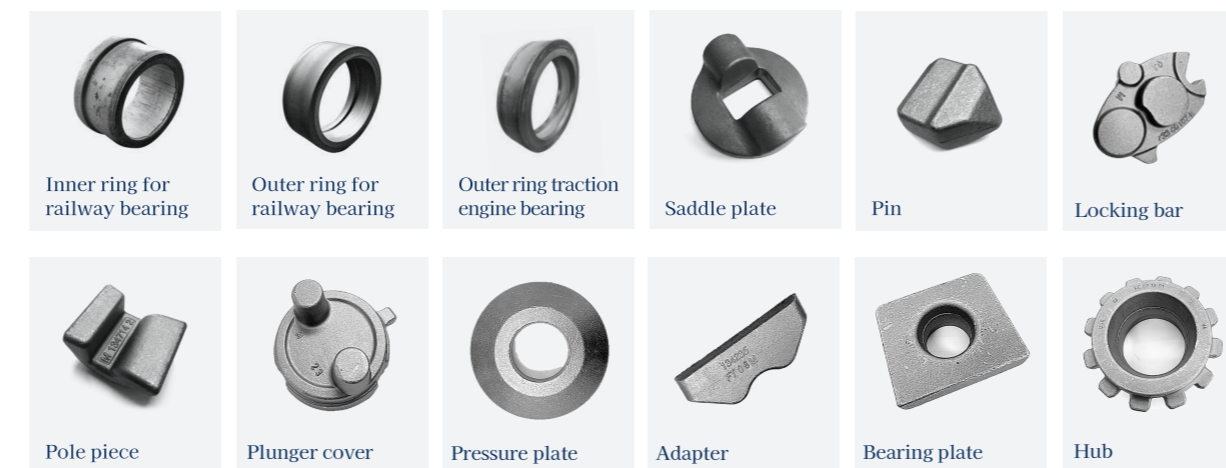
OMNIA KLF plant located in Kysucké Nové Mesto has a long-lasting experience in production of forgings (hot rolled rings) for bearings used in railway industry (bearings for wagon axles), whereas more than 20.000 such forgings per month are produced and delivered to our customers. Part of our assortment dedicated for railway industry is produced for companies focused on applications in traction engines. In 2021, pins were successfully sampled on an automatic high speed horizontal forging machine, whereas this way of production creates a significant precondition for high competitiveness on the market. The portfolio produced in our plant located in Martin includes products intended for the railway industry which are used in various parts of freight and passenger rail vehicles. The largest part of our assortment consists of products designed for brake discs, whereas OMNIA KLF manufactures the "heart" of the brake disc – the hub and components dedicated for the

perience in product design, sampling, certification and therefore is able flexibly adapts to the increasing market requirements as well as individual customers requests. An important milestone in this area was the involvement in an international project focused for the design and production of a new type of brake disc designed for freight transport at speeds of 160 km/h. Our products are manufactured from hot steel on various forging technologies. These technologies include counter-rotating hammers, a hydraulic hammer and a mechanical press, which enable the production of forgings in the weight category from 0.10 to 80 kg. OMNIA KLF covers machining with CNC technologies – turning & milling for customers who need to have their parts supplied in machined condition. Our current main customers in railway industry are companies like Tatrabagónka Poprad, a.s., Nymwag CS, a.s., SMW GmbH., Wabtec Group, Kovis d.o.o., Techni Industrie, TŽV Gredejl, Kinex Bearings and SKF Polska.

Examples of machined parts



Examples of forgings



Contact us

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