

OPEN-DIE FORGE

Materials

Unalloyed, alloyed and high-alloyed steels with chemical compositions in accordance with national and international standards or requests of the customers, such as:

- High-quality and high-grade structural steels
- Nitriding steels und case hardening steels
- Tool steels (cold-work and hot-work steels)
- Plastic mould steels
- Ledeburitic Steels
- Stainless steels (austenitic steels, ferritic steels, compound steels, martensitic steels)

Products

Piece weight in tons
(max.)

Round steel bar	56	diameter length	300 mm to 1,400 mm 2,000 mm to 12,000 mm
Flat steel bar	52	width height length	500 mm to 2,000 mm 100 mm to 1,000 mm 2,000 mm to 10,000 mm
Square steel bar	52	edge length length	300 mm to 1,300 mm 2,000 mm to 10,000 mm
Contoured forgings	42	diameter length	300 mm to 2,000 mm maximum 14,500 mm
Disks	38	diameter height	1,000 mm to 3,900 mm minimum 100 mm
Rings	38	diameter width wall thickness	1,000 mm to 4,000 mm 400 mm to 2,000 mm minimum 100 mm
Hollow bodies (bushes)	35	internal diameter length wall thickness	300 mm to 900 mm 1,500 mm to 6,000 mm minimum 100 mm

Other dimensions available on request.

Equipment

- Open-die forging presses (27MN and 60 MN with manipulators and integrated control)
- TR-forging die for manufacturing of cgf-forged crankshafts
- Forging furnaces and annealing furnaces
- Finishing shop
- Test centre
- Machining