

STEEL WORKS

Technical capacity approx. 120,000 tons p.a.

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)

Types of steel ingots

	piece weight	
	minimum	maximum
▪ Polygonal forging ingots	14.0 tons	76.5 tons
▪ Square forging ingots	4.0 tons	22.0 tons
▪ Slab ingots	2.0 tons	51.0 tons
▪ Cylindrical round ingots	1.1 tons	18.0 tons

Plants

- 50 ton-arc furnace
- Ladle furnace
- VD/VOD- plant
- Ingot casting in bottom casting process

Analytical procedures

- Optical emission spectrometer
- Carbon, sulphur, oxygen, nitrogen analysers
- Hydrogen control (Hydris®)
- Slag analysis