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 and 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

<table>
<thead>
<tr>
<th>Types of steel ingots</th>
<th>piece weight</th>
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<tbody>
<tr>
<td></td>
<td>minimum</td>
</tr>
<tr>
<td>Polygonal forging ingots</td>
<td>14.0 tons</td>
</tr>
<tr>
<td>Square forging ingots</td>
<td>4.0 tons</td>
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<tr>
<td>Slab ingots</td>
<td>2.0 tons</td>
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<tr>
<td>Cylindrical round ingots</td>
<td>1.1 tons</td>
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</tbody>
</table>

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