HASÇELİK
HOT ROLLED SPECIAL STEEL
Faydasıcıok Holding

Under the umbrella brand of HASÇELİK, we will carry on our special steel hot rolling with our HASÇELİK A.S. company; our bright steel manufacturing with our HASPARLAK A.S. company and our local special steel & pipes sales and distribution activities with our HASÇOMETAL A.S. company.
Hascelik special steel rolling mill, which is the most modern rolling facility in Turkey has a capacity of 250,000 tons per year. Having a fully continuous line, Hascelik produce round and hexagonal hot rolled special steel bars from billets.

Hascelik special carbon and alloy steels, can also be delivered 100% surface and inner crack tested based on customer requirements.

Hascelik hot rolled special steel manufacturing company has following products groups

**US & EDDY Current Tested Special Steels:**

The complete continuous hot rolling mill represents 100% crack controlled products produced in our production center.

**Vacuum Degassed Steels:**

They are products that are rolled from vacuum degassed billet rolled in round sections in order to meet the qualified steel needs of Turkish and International Industries.
Crack Control Lines

Hascelik products are gone through inner defect control and surface defect control based on client demands prior to delivery. Dr. Foerster branded testing device which uses Magnetic Flux Leakage method is being used for surface defect control. As for inner defect control, GE (Kraut-Kramer) branded Rowa Ultrasonic Testing device is used.

Two devices operate fully integrated with each other.
Turkey’s one of the largest Hot Rolled Special
Steel Manufacturer for Automotive Industry
Our examination, testing and measuring devices that are being used in our laboratories:

- Spectral Analysis Device - Oxford Instruments
- Tensile Device - Zwick / Roell
- Brinell Hardness Measurement Device BMS 3000-OBPC
- Rockwell Hardness Measurement Device Mitutoyo HR-300
- Optical Microscope Olympus
- Notch Impact Test Device
- Jominy Test Setup
- Specimen cut, mounting, grinding and polishing devices
- Portable Spectral Analysis Device
- Portable Hardness Device
- Portable Ultrasonic Examination Device - GE
- Zwick Roell Notch Impact Test Device
There are also two devices for measuring water pollution and control regulations suitability of waste water.

- Thermoreactor Device
- Spectrophotometer Device

Calibrations of measurement devices are carried out by national and or international accredited institutes.

Verifications of measurement devices are carried out with international accreditation certificated verification samples.

<table>
<thead>
<tr>
<th>Test Name</th>
<th>Standard</th>
<th>Device Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Analysis</td>
<td>TS EN ISO 14284</td>
<td>1–23 Element (Fe, C, Si, Mn, P, S, Cr, Mo, Ni, Al, Co, Cu, Nb, Ti, V, W, Pb, Sn, B, Ca, Zr, As, Bi)</td>
</tr>
<tr>
<td>Tensile Test</td>
<td>TS EN ISO 6892-1</td>
<td>0.5–250 kN (ZWICK) (0–300 mm)</td>
</tr>
<tr>
<td>Brinell Hardness Test</td>
<td>TS EN ISO 6506-1</td>
<td>0.0625–3 Ton (62.5–300 kgf)</td>
</tr>
<tr>
<td>Rockwell Hardness Test</td>
<td>TS EN ISO 6508-1</td>
<td>For HRC 29.42–1471 N (3–150 Kgf)</td>
</tr>
<tr>
<td>Jominy Test</td>
<td>TS 1381 EN ISO 642</td>
<td>-</td>
</tr>
<tr>
<td>Grain Size Measurement</td>
<td>ASTM E112</td>
<td>-</td>
</tr>
<tr>
<td>Micro Cleanliness Analysis</td>
<td>DIN 50602, ASTM E45</td>
<td>-</td>
</tr>
<tr>
<td>Macro Etching Test</td>
<td>ISO 17639</td>
<td>-</td>
</tr>
<tr>
<td>Decarburization Measurement</td>
<td>TS 3142 EN ISO 3887</td>
<td>-</td>
</tr>
<tr>
<td>Microstructure Analyses</td>
<td>TS EN ISO 3887</td>
<td>-</td>
</tr>
</tbody>
</table>
Hascelik Quality policy defines main rules for work application methods.

Quality Management Systems, which are founded within this scope, guarantees quality goals to be achieved in every field of manufacturing. Hasçelik employees are working for continually improving product and service quality in line with determined goals.

**With this purpose in Hascelik,**

**IATF 16949 Quality Management System Certification has been available since 2014.**

**ISO 9001 Quality Management System Certification has been available since 2007.**

**OHSAS 18001 Occupational Health and Safety Management System Certification has been available since 2013.**

**ISO 14001 Environmental Management System Certification has been available since 2014.**

**ISO 27001 Information Safety Management System Certification has been available since 2014.**