SAE 1006 and SAE 1008 wire rod for hot dip galvanizing

Product description
Low carbon silicon alloyed wire rod for drawing and hot dip galvanizing.

Application
Wire rod is used for drawing without preliminary or intermediate heat treatment. The chemical composition of steel helps achieve optimal parameters for wire rod to be used for the production of galvanized wire and facilitates high adhesion of galvanized coating with base metal. Heat treatment in the wire rod mill line ensures high quality products, perfect drawing properties, and high mechanical properties.

Product parameters
Low carbon SAE 1006 and SAE 1008 wire rod for galvanized wire production is manufactured by Yenakiieve Iron and Steel Works according to ASTM A510M. Marking tags specify the wire rod producer, steel grade, heat number, wire rod diameter, and wire rod coil weight. Coils are strapped with packaging wire rod 7.0 mm in diameter with four radial straps. The ends of packaging wire rod should be mechanically twisted.

<table>
<thead>
<tr>
<th>Wire rod diameter</th>
<th>5.5-13.0 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coil weight</td>
<td>1,800-2,000 kg (95%)</td>
</tr>
<tr>
<td>Outer diameter of wire rod coil</td>
<td>1,200-1,400 mm</td>
</tr>
<tr>
<td>Inner diameter of wire rod coil</td>
<td>800-900 mm</td>
</tr>
<tr>
<td>Height of wire rod coil</td>
<td>1,450-1,550 mm</td>
</tr>
</tbody>
</table>

Chemical composition and mechanical properties

<table>
<thead>
<tr>
<th>Steel grade</th>
<th>Chemical composition, %</th>
<th>Tensile strength, N/mm² (max)</th>
<th>Elongation, % (min)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>C  Mn  Si  P, max  S, max</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SAE 1006</td>
<td>Max 0.08 0.40-0.55 0.15-0.30 0.030 0.015</td>
<td>420</td>
<td>37</td>
</tr>
<tr>
<td>SAE 1008</td>
<td>Max 0.10 0.40-0.55 0.15-0.30 0.030 0.015</td>
<td>430</td>
<td>35</td>
</tr>
</tbody>
</table>

Note. It is possible to supply wire rod with different chemical composition and mechanical properties. Upon the request of the buyer, 0.004-0.010% boron can be added.

Segment development
Vladimir Efimenko
Marketing Manager
Metinvest Holding
Tel. +38 062 214 72 93
Mob. +38 067 524 67 43
vladimir.efimenko@metinvestholding.com

Sales in Ukraine
Elvira Akker
Head of Sales
Metinvest-SMC
Tel.: +38 062 332 52 48
Mob. + 38 067 522 72 19
elvira.akker@metinvest-ukraine.com

International sales
Rue Vallin, 2
Geneva, 1201, Switzerland
Metinvest International
Tel.: + 41 22 906 18 28
Fax: + 41 22 906 18 29
sales@metinvest-international.com