**Key Features**

Good mechanical properties and corrosion resistance

**STAINLESS STEEL 302**

**Key advantages to you, our customer**

- **Range**: 0.025mm to 21mm (.001" to .827")
- **Order**: 3m to 3t (10 ft to 6000 Lbs)
- **Delivery**: within 3 weeks
- **Wire to your spec**
- **E.M.S available**
- **Technical support**

**STAINLESS STEEL 302 available in:-**
- Round wire
- Bars or lengths
- Flat wire
- Shaped wire
- Rope/Strand

**Packaging**
- Coils
- Spools
- Bars or lengths

**IMPORTANT**
We will manufacture to your required mechanical properties.
### Chemical Composition

<table>
<thead>
<tr>
<th>Element</th>
<th>Min %</th>
<th>Max %</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
<td>-</td>
<td>0.12</td>
</tr>
<tr>
<td>Mn</td>
<td>-</td>
<td>2.00</td>
</tr>
<tr>
<td>P</td>
<td>-</td>
<td>0.045</td>
</tr>
<tr>
<td>S</td>
<td>-</td>
<td>0.03</td>
</tr>
<tr>
<td>Si</td>
<td>-</td>
<td>1.00</td>
</tr>
<tr>
<td>Cr</td>
<td>17.00</td>
<td>19.00</td>
</tr>
<tr>
<td>Ni</td>
<td>8.00</td>
<td>10.00</td>
</tr>
<tr>
<td>Fe</td>
<td>BAL</td>
<td></td>
</tr>
</tbody>
</table>

### Specifications

- AMS 5688
- ASTM A313
- ASTM A580
- BS 970
- BS 2056

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Good mechanical properties and corrosion resistance

### Typical Applications

- Springs
- Engineered components
- Wire mesh
- Wire cloth
- Hose braiding

### Designations

- W.Nr. 1.4310
- UNS 30200
- AWS 160

### Properties

<table>
<thead>
<tr>
<th>Condition</th>
<th>Approx. tensile strength N/mm²</th>
<th>Approx. operating temperature °C</th>
<th>Approx. operating temperature °F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Annealed</td>
<td>600 – 800</td>
<td>-200 to +300</td>
<td>-330 to +570</td>
</tr>
<tr>
<td>Spring Temper</td>
<td>1300 – 2200</td>
<td>-200 to +300</td>
<td>-330 to +570</td>
</tr>
</tbody>
</table>

The above tensile strength ranges are typical. If you require different please ask.