Stainless Steel 304 /UNS S30400/ 1.4301

Stainless Steel 304L/UNS S30403/1.4303

SS304 is the most common stainless steel. It is an austenitic stainless steel, which has a maximum carbon of 0.08%, while SS304L with carbon maximum 0.03%. SS304/304L is used for a variety of household and industrial applications such as screws, machinery parts, car headers, and food-handling equipment.

**Chemical Composition, %**

<table>
<thead>
<tr>
<th></th>
<th>Ni</th>
<th>Mn</th>
<th>Cr</th>
<th>Si</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8.0~12.0</td>
<td>2.0max</td>
<td>18.0~20.0</td>
<td>1.0max</td>
</tr>
<tr>
<td>C</td>
<td>P</td>
<td>S</td>
<td>Fe</td>
<td></td>
</tr>
<tr>
<td></td>
<td>0.08max</td>
<td>0.045max</td>
<td>0.03max</td>
<td>Balance</td>
</tr>
</tbody>
</table>

**Mechanical Properties**

<table>
<thead>
<tr>
<th>Material Grade</th>
<th>Yield Strength, Min(Mpa)</th>
<th>Tensile Strength, Min(Mpa)</th>
<th>Elongation, Min(%)</th>
<th>Hardness</th>
</tr>
</thead>
<tbody>
<tr>
<td>SS304/SS304L</td>
<td>&gt;205</td>
<td>&gt;515</td>
<td>30</td>
<td>187 HB Max</td>
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</tbody>
</table>

**ASTM SPECIFICATION**

<table>
<thead>
<tr>
<th>Pipe, SMLS &amp; Welded</th>
<th>Tube, SMLS &amp; Welded</th>
<th>Pipe, Seamless</th>
<th>Sheet/Plate</th>
<th>Bar/Rod</th>
<th>Forging/Flange</th>
<th>BW Fittings</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTM A312</td>
<td>ASTM A269</td>
<td>ASTM A213</td>
<td>ASTM A240</td>
<td>ASTM A276/A479</td>
<td>ASTM A182</td>
<td>ASTM A403</td>
</tr>
</tbody>
</table>
Product: BW Fittings (Elbow, Reducer, Cap, Tee, Stub Ends)
Standard: ASTM A403

Equal Tee

Reducing Tee
90Deg Elbow
Concentric Reducer
Product: Forgings / Flanges
Standard: ASTM A182

WN Flange
ZHENGZHOU HUITONG PIPELINE EQUIPMENT CO., LTD
郑州市汇通管道设备有限公司
ROOM2004, EXPO CENTER, JINSHUI DISTRICT, ZHENGZHOU CITY,
HENAN PROVINCE, CHINA, 450000
TEL: 86-371-60953359  FAX: 86-371-60953359
BSPT Half Coupling
Weldolet
Nipple & plug
SS304 Forged Parts
Product: Seamless & Welded Pipes / Tubes
Standard: ASTM A312, ASTM A269
SS304 Bolts, Nuts & Washers
Product: Plate, Sheet  
Standard: ASTM A240
Product: Bar/ Rod
Standard: ASTM A276/A479