



## TIG Wires - Stainless Steel

Product	AWS	Description
308LSi	ER308LSi	<ul style="list-style-type: none"> <li>A Stainless Steel filler wire for welding 304/ 1.4301 and other 18/8 Stainless Steels. The wire has a higher silicon content along with low carbon content. The increased silicon level improves the welding fluidity and weld appearance. The low carbon level reduces carbon precipitation.</li> </ul>
309LSi	ER309LSi	<ul style="list-style-type: none"> <li>A Stainless Steel filler wire, ideal for joining dissimilar metals, such as mild steel to Stainless Steel. Can also be used for a barrier layer in Stainless overlays. Due to the increased silicon level, the fluidity is improved and the low carbon content, reduces carbide precipitation.</li> </ul>
316LSi	ER316LSi	<ul style="list-style-type: none"> <li>A Stainless Steel filler wire for joining Stainless Steel types 316 1.4401, 316L 1.4404 and in some instances the 200 series, where strength is not important. The presence of Molybdenum increases its creep resistance at Higher temperatures and prevents pitting corrosion, all material has a low carbon content.</li> </ul>
310	ER 310	<ul style="list-style-type: none"> <li>Weld metal has increased Chrome Nickel content 25% Cr-20 Ni. This gives good corrosion resistance and strength at high temperatures, designed for welding heat resistant steels such as 310S and other dissimilar metals. Also suitable for low temperatures and non-magnetic applications.</li> </ul>
347L	ER 347	<ul style="list-style-type: none"> <li>A Niobium stabilised filler wire. Good intergranular corrosion resistance and strength. Helps prevent weld decay, giving excellent corrosion resistance. Ideal for use on 18/8 type Stainless Steel Nb and Ti stabilised, such as 321, 347 and 321 better at high temperatures than 308.</li> </ul>

## Duplex TIG Wires

Product	AWS	Description
2209	ER 2209	<ul style="list-style-type: none"> <li>A duplex type Stainless Steel filler wire, used for 22Cr - 9Ni UNS 31803/ 2205 type material. Can also be used on 32304 / 2304. The weld metal has a high tensile and yield strength.</li> </ul>
2594	ER 2594	<ul style="list-style-type: none"> <li>Alloy 2594 is a super duplex type wire used for welding 25-10-5 material typically 2507 / S32760, S32550 and S32160. Very good resistance to stress corrosion, cracking and pitting in Chloride. The pitting resistance is at least 40 thereby allowing the weld metal to be called super duplex Stainless Steel. The wire provides the same chemistry and welding characteristics to wrought super duplex.</li> </ul>