



## TAURUS 309L STAINLESS STEEL TIG RODS

### Description

TAURUS TIG 309L rod is mainly used under high dilution conditions, particularly dissimilar welds between stainless and CMn steels. There are three main areas of application: buffer layers and clad steels, dissimilar joints and similar metal joints.

### WELDING POSITIONS

- Down hand
- Horizontal flat
- Horizontal vertical
- Vertical up
- Overhead

### CLASSIFICATIONS

- AWS A5.9 ER309L
- EN ISO 14343-A G/W 23 12 L
- EN ISO 14343-B SS 309L

### AVAILABLE IN

- 1.6mm – 5kg pack
- 2.0mm – 5kg pack
- 2.4mm – 5kg pack
- 3.2mm – 5kg pack

COMPOSITION	%
Carbon	0.03 Max
Manganese	1.0 – 2.5
Silicon	0.3 – 0.65
Sulphur	0.02 Max
Phosphorous	0.02 Max
Chromium	12 – 14
Nickel	23 – 25
Ferrite Number	6 – 12

MECHANICAL PROPERTIES	AS WELDED
Tensile strength	590 MPa
0.2% Proof stress	450 MPa
Elongation on 4d	43 %
Elongation on 5d	41 %
Impact energy at +20°C	>200 J
Hardness	205 – 250 HV

**Product Category**

1. Consumables
2. Stainless Steel
3. Tig Rods

**Date Created**

04 Aug 2025