



DUAL CORE 316L-T0

Stainless CORED/FCAW



Standards

EN/ISO-Standard - 17633-A

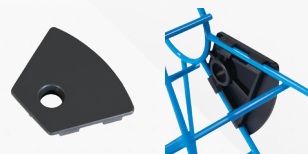
EN/ISO-Classification - T 19 12 3 L R M21 3 / T 19 12 3 L R C1 3

AWS-Standard - A5.22

AWS-Classification - E316LT0-4 - E316LT0-1

Features and Applications

- Rutile flux cored stainless steel wire for gas-shielded arc welding.
- 19% chromium - 12% nickel - 3% molybdenum - low carbon deposit.
- Exceptional resistance to moisture pick-up.
- Attractive bead appearance, automatic slag release, very good penetration and high productivity.
- Excellent X-ray soundness.
- Maximum performance in the flat and horizontal positions.
- Precision layer wound for superior wire feeding characteristics.
- Suitable for welding stainless steels with an alloy content between 16 to 21% Cr, 6 to 13% Ni and up to 3% Mo, stabilised and un-stabilised types.
- **Test Certificates can be found online @wilkinsonstar247.com**



Optional
Plastic Alignment Hole Clip
Order Code: BS300-CLIP

Approvals

CE, UKCA

Typical Base Materials

316, 316L, 316LN, 316Ti, 318, S31600, S31603, S31653, S31635, S31640, X5 CrNiMo 17-12-2, X2 CrNiMo 17-13-2, X2 CrNiMoN 17-12-2, X6 CrNiMoTi 17-12-2, X10CrNiMoNb 18-12*

* Illustrative, not exhaustive list

Welding Positions

EN ISO 6947 - PA, PB

Shielding Gases

EN ISO 14175 - C1, M21

Polarity

DC (+)

Chemical Composition % (Typical)

| C % | Mn % | Si % | Cr % | Ni % | Mo % | S % | P % |
|------|------|------|------|------|------|-------|-------|
| 0.03 | 1.4 | 0.8 | 19.0 | 12.0 | 2.8 | 0.008 | 0.020 |

Packaging Data

| Part No. | Diameter Ø (mm) | Package Weight (Kg) | Package Type | Pallet Quantity |
|------------|-----------------|---------------------|--------------|-----------------|
| 3010201813 | 1.20 | 15 | BS300 PLW | 72 |

Welding Parameters

| Ø mm | 1.20 |
|-------------|--------|
| Current (A) | 80-280 |
| Voltage (V) | 17-38 |

Mechanical Properties (Typical) - M21

| Tensile Strength (N/mm ²) | Yield Strength (N/mm ²) | Elongation (%) | Impact Strength (J) | Test Temperature |
|---------------------------------------|-------------------------------------|----------------|---------------------|------------------|
| 560 | 420 | 37 | 40 | -60°C |

Mechanical properties are approximate and may vary based on the heat, shielding gas, welding parameters and other factors.