

Key Facts

- High quality TIG rod
- Developed for 18/8 weldable stainless steel
- Excellent for high temperatures

Description

Developed especially for welding of austenitic 18/8 weldable Stainless Steel. Shows excellent resistance to inter-crystalline corrosion and high temperatures. Deposited metal contains niobium (Nb).

Recommended Shielding Gas

Ar or Ar / CO₂ mix

Classification, Approvals & Conformances

AWS A5.9 ER347
JIS Z3321 Y 347
DIN 8556 SG X5 CrNiNb 19 9

Welding Positions

All positions

Applications

For welding corrosion resistant steels of the same type including 304L, 321, 347 and 348.

- Suitable for welding 304L, 321, 347, and 348
- High temperature applications

Typical Analysis/Composition

Mn - Manganese	Ni - Nickel	Mo - Molybdenum	S - Sulphur
1.75	10.0	0.2	0.001
Cr - Chromium	C - Carbon	Si - Silicon	P - Phosphorus
20.25	0.02	0.48	0.002
Cu - Copper			
0.1			

Typical Weld Mechanical Properties

Yield Stress:	450 MPa
Tensile Strength:	690 MPa
Elongation:	45%

Packaging & Ordering Information

Size	Weight	Part Number
1.6mm	1kg	300071H
1.6mm	5kg	300071
2.4mm	1kg	300072H
2.4mm	5kg	300072