Key Facts

- High quality TIG rod
- Suitable for a range of 300 series stainless stiles

Description

Copper coated carbon steel rod for use in the TIG welding process. Little carbon precipitation & resistance to inter-crystalline corrosion due to low carbon content. Designed for welding carbon-manganese steels.

Classification, Approvals & Conformances

AWS A5.9 ER308L
JIS Z3221 Y 308LSi
DIN8556 SG X2 CrNi 19 9

Applications

Applications for low carbon stainless steel include chemical engineering plants, textile industries & generators. Suitable for tanks, boilers, steel structural works, earthworks and construction works. Ideal for root pass welding of pipes.

- Suitable for low carbon stainless steels
- Power stations
- Petrochemical plants

Typical Analysis/Composition

Mn - Manganese	Ni - Nickel	Mo - Molybdenum	S - Sulphur
1.0 – 2.5	9.0 – 11.0	< 0.75	< 0.03
Cr - Chromium	**C – Carbon**	**Si - Silicon**	**P - Phosphorus**
19.5 – 22.0	< 0.03	0.30 – 0.65	< 0.03
Cu - Copper			
< 0.75			

Typical Weld Mechanical Properties

0.2% Proof Stress:	395N/mm
Tensile Strength:	591N/mm^2
Elongation (in 2 inches):	>42%

Packaging & Ordering Information

Size	Weight	Part Number
1.6mm	1kg	300051H
1.6mm	5kg	300051
2.4mm	1kg	300052H
2.4mm	5kg	300052
3.2mm	1kg	300053H
3.2mm	5kg	300053