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

Disclaimer: The above information is provided as a guide; actual welding current and voltage will depend on the welding machine characteristics, which will vary from model to model. Other variables include run length and size, plate thickness, operator technique and gas type (if used). The user must evaluate the process, application and recommended professional advice. Under no circumstance will Dynaweld or its affiliates be liable for misuse or application of products this is entirely up to the user's ability.