



Key Facts

- Copper coated wire for TIG and OXY welding
- Higher strength welds
- Versatile wire

Description

Copper coated, low alloy steel containing balanced quantities of silicon and manganese. Flux is not necessary when welding due to the high levels of silicon and manganese. It produces welds of high strength and is suitable for welding many low alloy steels.

Classification, Approvals & Conformances

AWS A5.20 R60

Welding Positions

All positions



Applications

Used to weld mild steels, applications include pressure pipelines, sheets and plates.

- Pressure pipe lines
- Higher strength sheet and tubes
- Power station repairs
- Suitable for low alloy steels

Typical All Weld Metal Analysis

C - Carbon	Mn - Manganese	Si - Silicon	Mo - Molybdenum
0.12	1.0	0.12	< 0.20
S - Sulphur	Cu - Copper	Cr - Chromium	V - Vanadium
< 0.25	< 0.30	< 0.20	< 0.10
Ni - Nickel	P - Phosphorus		
< 0.30	< 0.030		

Typical All Weld Metal Mechanical Properties

Yield Strength:	-
Tensile Strength:	400N/mm ²
Elongation (5xD):	-
Typical Diffusible Hydrogen Content:	-
Impact Strength Charpy-V	-

Packaging & Ordering Information

Size	Weight	Part Number
1.6mm	5kg	300047
2.4mm	5kg	300048

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.