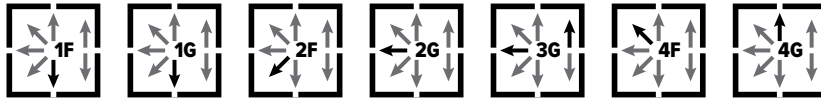
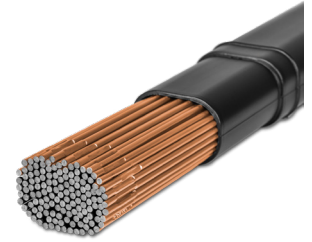


MILD STEEL

HYPERTIG ER70S-6



Summary

HYPERTIG ER70S-6 is a double copper-coated mild steel rod derived from a high-quality double-oxidised rod. With added manganese and silicon, these rods proficiently combat weld oxidation, especially when working on metals with mill scale or rust. Designed for welding low to medium tensile strength steels, they offer a consistent welding output that combines durability with a refined finish. Their advanced formulation delivers a smooth arc, establishing HYPERARC ER70S-6 as a dependable choice for varied welding tasks.

Typical Applications

- General steel fabrication and construction
- Repair and maintenance of low to medium carbon steels
- Automotive and transport fabrication
- Manufacturing of storage vessels and tanks using mild steel
- Structural welding in non-corrosive environments

Classification

- AS/NZS 1167.2

Standards

- AWS A5.18 ER70S-6

Approvals

- CE

Recommended Gas

- Ar 100%
- Ar + 10-30% He
- Ar + 50-75% He

Operating Polarity

- DCEN

Typical Chemical Composition (%)

C	Mn	Si	P	S	Ni
0.074	1.460	0.862	0.012	0.012	0.007
Cr	Mo	Ti	V	Cu	Al
0.029	0.004	0.012	0.002	0.114	0.004

Typical Mechanical Analysis

YIELD STRENGTH	465
TENSILE STRENGTH	572
ELONGATION	26
TEST TEMP. (°C)	-30
ABSORBED ENERGY	104

Packaging Info

SKU	FILLER ROD SIZE	WEIGHT	DESCRIPTION
TG2ER70S-6-1.6	1.6mm	5kg	HYPERTIG ER70S-6 TIG FILLER ROD 1.6MM 5KG
TG2ER70S-6-2.4	2.4mm	5kg	HYPERTIG ER70S-6 TIG FILLER ROD 2.4MM 5KG