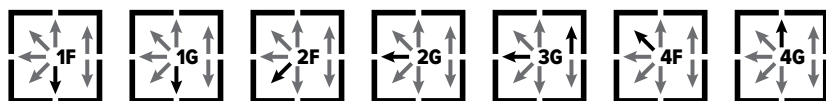


HYPERMIG ER70S-6

MILD STEEL



Summary

HYPERMIG ER70S-6 is a copper-coated mild steel MIG wire produced from a superior-quality double-oxidised wire. The higher levels of manganese and silicon ensure optimal protection against weld oxidation, particularly when welding metals that have significant amounts of mill scale or rust. Designed specifically for welding low to medium tensile strength steels, this MIG wire boasts consistent welding performance, yielding durable welds with a polished finish. The ER70S-6 composition promotes a stable arc and minimises spatter, rendering it a reliable choice for diverse welding requirements.

Typical Applications

- General steel fabrication and construction
- Repair and maintenance of mild to medium carbon steels
- Automotive and transport equipment manufacturing
- Structural welding in non-corrosive environments
- Storage vessel and tank manufacturing using mild steel

Classification

- AS/NZS 14341

Standards

- AWS A5.18: ER70S-6
- EN ISO 14341-B: G 49A 3U C1/M21 S6
- AS/NZS ISO 14341: S ER70S-6

Approvals

- ABS
- Lloyds Register of Shipping
- CE
- DNV
- DB
- RINA

Recommended Gas

- CO₂ 100%
- Ar + 5-10% CO₂
- Ar + 15-25% CO₂
- Ar + 25-30% He + CO₂

Operating Polarity

- DCEP

Typical Chemical Composition (%)

C	Mn	Si	P	S	Ni
0.074	1.460	0.862	0.010	0.012	0.006
Cr	Mo	Ti	V	Cu	Al
0.030	0.004	0.011	0.002	0.115	0.005

Typical Mechanical Analysis

Yield Strength	465
Tensile Strength	572
Elongation	26
Test Temp. (°C)	-30

Packaging Info

SKU	Wire Size	Weight	Description
MS.6A	0.6mm	1kg	HYPERMIG ER70S-6 MILD STEEL WIRE 0.6MM 1KG
MS.6B	0.6mm	5kg	HYPERMIG ER70S-6 MILD STEEL WIRE 0.6MM 5KG
MS.6C	0.6mm	15kg	HYPERMIG ER70S-6 MILD STEEL WIRE 0.6MM 15KG
MS.8A	0.8mm	1kg	HYPERMIG ER70S-6 MILD STEEL WIRE 0.8MM 1KG
MS.8B	0.8mm	5kg	HYPERMIG ER70S-6 MILD STEEL WIRE 0.8MM 5KG
MS.8C	0.8mm	15kg	HYPERMIG ER70S-6 MILD STEEL WIRE 0.8MM 15KG
MS.9A	0.9mm	1kg	HYPERMIG ER70S-6 MILD STEEL WIRE 0.9MM 1KG
MS.9B	0.9mm	5kg	HYPERMIG ER70S-6 MILD STEEL WIRE 0.9MM 5KG
MS.9C	0.9mm	15kg	HYPERMIG ER70S-6 MILD STEEL WIRE 0.9MM 15KG
MS1.0C	1.0mm	15kg	HYPERMIG ER70S-6 MILD STEEL WIRE 1.0MM 15KG
MS1.2C	1.2mm	15kg	HYPERMIG ER70S-6 MILD STEEL WIRE 1.2MM 15KG