

Outershield® MC710-H

Key Features

- All position (1.2mm only) high efficiency gas shielded metal cored wire
- Excellent arc characteristics provide outstanding operator appeal
- Few silicate islands, minimal spatter, fast travel speed, excellent wire feeding
- Superior product consistency with optimal alloy control

Conformances

- AWS A5.18/A5.18M:** E70C-6M H4
AS/NZS ISO 17632-A: T 46 3 M C 2 H5
AS/NZS ISO 17632-B: T 49 3 T15-0/1 M A U H5
Lloyds Register: 3YSH5
ABS: 3YSAH5
DNV: IIIYMSH5

Typical Applications

- Welding prequalified procedures for steel groups 1-7C according to AS/NZS 1554.1 Table 4.6.1.
- Structural fabrication
- Heavy equipment
- General fabrication
- Robotics / hard automation

Welding Positions



Shielding Gas

- 75-85% Argon / 15-25% CO₂
- Flow Rate: 15-25 L/min

Diameter / Packaging / Settings

Diameter mm	Part Number	Packaging	WFS in/min	Voltage volts	Current amps	CTWD mm
1.2	900356NE	Spool 5300 16kg	100-550	15-33	180-340	15-20
	941922	Drum 200kg				
1.6	900370NE	Spool 5300 16kg	150-450	27-34	200-440	15-25
	941937	Drum 200kg				

Mechanical Properties - As required per AWS A5.18

	Yield Strength MPa	Tensile Strength MPa	Elongation %	Charpy V-Notch J @ -30°C
Requirements - AWS E70C-6M As Welded with M21 gas	400 min	480 min	22 min	27 min
Typical Results	495	570	26	60

Deposit Composition

	%C	%Mn	%Si	%S	%P	Diffusible Hydrogen
Typical Results	0.05	1.35	0.6	0.023	0.015	3 ml / 100 g