BOSSWELD TECHNOLOGY

BT E70C-6M METAL-CORED MIG WIRE

KEY FACTS

- AWS A5.18: E70C-6M
- Automatic or semi-automatic welding
- Single or multi pass welding
- Good wetting behaviour
- Low hydrogen contents (≤ 5 ml/100 g deposit)
- Efficient high deposition rate
- Virtually no slag coverage low spatter and smoke levels
- Excellent bead contour
- Minimum oxide residues

DESCRIPTION

E70C-6M is a metal-cored MIG wire can be used for automatic, semi-automatic, single and multiple pass welding on mild steels having a smooth stable arc transfer, spatter free, excellent bead contour, with a high deposition rate and nearly free of slag weld bead.

20% higher productivity can be achieved when compared to solid wires and it features good penetration, high resistance to porosity, good wetting behavior as well as low hydrogen contents (≤ 5 ml/100 g deposit).

Excellent anti-hole performance, suitable for steel plate coated with inorganic zinc primer welding, for the same level of steel welding.

CLASSIFICATIONS, APPROVALS, CONFORMANCES

AWS A5.18 E70C-6M GB/T10045-2001 E500T-1M

ISO9001:2000

RECOMMENDED SHIELDING GAS

80% Ar+20% CO^2 or 85% Ar+15% CO^2

WELDING POSITIONS

Horizontal and flat fillet welds

PA PB PC

APPLICATIONS

E70C-6M can be used for steel grades up to yield strength of 480 MPA with only Ar/CO2 gas mixtures. It is especially suitable for welding and has a high tolerance to primer.

- Machineries
- Shipbuilding
- Offshore structures
- Bridges
- General fabrications

TYPICAL WIRE ANALYSIS

C Carbon	**Mn** Manganese	**Si** Silicon
< 0.08	1.75	< 0.9
P Phosphorus	**S** Sulphur	
< 0.03	< 0.03	

TYPICAL WELD MECHANICAL PROPERTIES

Yield Strength	MPA 480
Tensile Strength	MPA 400
Elongation	> 22%
Impact Strength	> 27 J @ -20°C

PACKAGING & ORDERING INFORMATION

Size	**Packet**	**Part Number**
1.2mm	15kg	200382
1.6mm	15kg	200383
72 spools /pallet		