

Metal Cored Wire for High Tensile Strength Steel

KMX-70C

Classification

AWS A5.18/A 5.18M	E70C-6C/E49C-6C
JIS Z3313	T493T15-0CA
EN ISO 17632-A	T42 3 M C1 3 H5
GB T10045	T49 3 T15-1 C1 A

Shielding Gas:100% CO₂

Applications and Features

- (1) KMX-70C is a metal cored wire for welding 490N/mm² grade high tensile steel.
- (2) Higher deposition rate and faster travel speed can increase the welding efficiency.
- (3) Stable arc, less spatter and good bead appearance.
- (4) Ideal for welding medium and thick plate of construction machinery, steel structure and bridge.

Welding position



Welding Instruction

Please refer to Appendix D.

Typical Chemical Composition of Weld Metal (wt%)

C	Si	Mn	P	S
0.04	0.50	1.36	0.013	0.003

Typical Mechanical Properties of Weld Metal

Tensile Strength	Yield Strength	Elongation	Charpy V-Notch	
N/mm ²	N/mm ²	%	°C	J
538	445	28	-30	72

Size and Suggested Operating Range (DC+)

Diameter (mm)	1.2	1.4	1.6
F/HF	100~300A/18~32V	200~400A/20~40V	220~450A/20~42V