

Metal Cored Wire for Low Alloy Steel

KMX-120G

Classification

AWS A5.28/A5.28M

JIS Z3313

EN ISO 18276-B

GB T17493

E120C-G/ E83C-G

T834T15-0MA-G

T834T15-3M21A-G

E83C-G

Shielding Gas: 80%Ar+20% CO₂

Applications and Features

- (1) Suitable for welding 830N/mm² grade steel.
- (2) Higher deposition rate, faster travel speed, superior arc wetting and better bead appearance.
- (3) Ideal for welding heavy construction machine and coal mining equipment.

Welding position



Welding Instruction

Please refer to Appendix D.

Typical Chemical Composition of Weld Metal (wt%)

C	Si	Mn	P	S	Ni	Cr	Mo
0.08	0.64	1.74	0.017	0.005	1.29	0.36	0.24

Typical Mechanical Properties of Weld Metal

Tensile Strength	Yield Strength	Elongation	Charpy V-Notch	
N/mm ²	N/mm ²	%	°C	J
864	803	14	-29	71
			-40	51

Size and Suggested Operating Range (DC+)

Diameter (mm)	1.0	1.2	1.4	1.6	
Current (A)	F/HF	100~230	180~350	200~450	350~600