

KMX-430LNb

Classification

AWS A5.22/A5.22M	EC430 (mod.)
JIS Z3323	TS430Nb-MA0
EN ISO 17633-B	TS 430Nb-M M13 0
GB T17853	TS 430Nb-M M13 0

Shielding Gas : Ar+2%O₂

Applications and Features

- (1) Weld metal is 18%Cr-Nb.
- (2) Nb addition improves the corrosion resistance and strength at high temperature.
- (3) Designed for joining components of automotive exhaust systems.
- (4) Ideal for welding ferritic stainless steel, such as AISI/ SUS 430.

Welding position



Welding Instruction

- (1) For other instructions, please refer to Appendix D.
- (2) For extra information, please refer to Appendix F.

Typical Chemical Composition of Weld Metal (wt%)

C	Si	Mn	P	S	Cr	Nb
0.02	0.27	0.48	0.024	0.003	18.49	0.66

Typical Mechanical Properties of Weld Metal

Tensile Strength	Yield Strength	Elongation
N/mm ²	N/mm ²	%
576	463	16

Size and Suggested Operating Range (DC+)

Diameter (mm)	1.0	1.2
F/H-fillet	120~200A/18-25V	150~250A/20-25V