

SF-430Nb

Type : Metal-Cored

Conformances

JIS Z3323 TS430Nb-MA0

EN 12072 G Z 17 L Nb

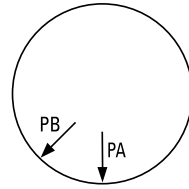
Applications

- Stainless steels 409 and 430 Type
- Automotive mufflers

Features

- Good corrosion resistance
- Low spatter
- Non-slag type

Welding Position



Current

DC +

Shielding Gas

Ar + 2% O₂

Diameter / Packaging

Diameter mm (in)	Spool			Pac		
	5kg (11lbs)	12.5kg (27.6lbs)	15kg (33lbs)	250kg (551lbs)	300kg (661lbs)	350kg (771lbs)
1.2 (0.045)		√	√	√	√	√

Typical Chemical Composition of All-Weld Metal (%)

C	Si	Mn	P	S	Cr	Nb	Ti
0.03	0.40	0.17	0.010	0.010	16.5	0.50	0.40

Typical Mechanical Properties of All-Weld Metal

TS MPa(lbs/in ²)	EL (%)	Heat treatment
520 (75,400)	24	770°C x 2hr FC to 600°C AC to RT

Typical Welding Parameters

Diameter, Polarity Shielding Gas	CTWD mm (in)	Wire Feed Speed m/min (in/min)	Amp. (A)	Volt. (V)	Deposition Rate kg/hr (lb/hr)
1.2mm (0.045 in) DC+					
Ar + 2% O ₂	20 (0.78)	5.5 (216)	180	23-25	2.9 (6.3)
		6.6 (260)	210	25-27	3.4 (7.4)
		8.1 (320)	250	26-28	4.5 (9.9)