

M-430

For ferrite stainless steels (16%Cr STS)

Classifications

EN ISO 14343-B:2009	: SS 430	JIS Z 3321:2013	: YS430
AWS A5.9-2012	: ER430	KS D 7026:2005	: STSY430

Description

- MIG welding of 16%Cr ferrite stainless steels. (AISI 409, 430Ti, 431, ASTM A176)
- It's used for automobile muffler welding

Typical chemical composition of wire (%)

C	Si	Mn	Ni	Cr
0.01	0.32	0.39	0.24	16.67

Typical mechanical properties of all-weld metal

	Y.S (MPa)	T.S (MPa)	El. (%)	Remark
AWS A5.9		min. 520	min. 20	PWHT
EN ISO 14343	min. 250	min. 450	min. 15	
Example	310	530	35	

* PWHT : Heat to 760~790℃, for 2h Furnace cooling down to 600℃, then air cooling