MI 316LSi

Gas Metal Arc (MIG/MAG) Welding Wire - Stainless Steels

Standards

AWS/ASME SFA - 5.9	ER316LSi
EN ISO 14343 - A	G 19 12 3 LSi
TS EN ISO 14343 - A	G 19 12 3 LSi
DIN M. No.	1.4430

Approvals & Certificates

UKCA CE UKCA-DoP
CE-DoP

Materials

EN	Material	ASTM
X5CrNiMo17-12-2	1.4401	316
GX2CrNiMo19-11-2	1.4409	
X2CrNiMo17-12-2	1,4404	316L
GX5CrNiMo19-11-2	1.4408	CF-8M
X2CrNiMo18-14-3	1.4435	316L
X3CrNiMoN17-13-3	1.4436	316
X6CrNiMoTi17-12-2	1.4571	316 Ti
X6CrNiMoNb17-12-2	1.4580	316 Cb
G-X5CrNiMoNb19-11-2	1.4581	
	1.4583	318

Properties and Applications

Austenitic stainless steel wire electrode for GMA (MIG) welding of unstabilized or stabilized corrosion resisting Cr-Ni-Mo steels. Resistant to intergranular corrosion up to 400°C. Especially used in welding chemical tanks, pipes and equipments which are used in chemical, petrochemical, paint, textile, paper and shipbuilding industries, etc.

Typical Chemical Features of the Welding Wire

Type of Analysis	C	Si	Mn	Cr	Ni	Mo
Welding Wire	0.02	0.70	1.90	18.50	11.50	2.50

Typical Mechanical Values of Weld Metal

Test Condition	Protection Gas	Yield Strength (N/mm²)	Tensile Strength (N/mm²)	Elongation A5 (%)	Charpy V-Notch Properties (J)
As welded	M13	420	570	42	20°C → 65

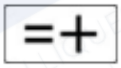
* Chemical compositon and mechanical properties are valid when using shielding gas EN ISO 14175 - M13 (Ar+%0,5-3 O2) .

Application Information

Welding Positions

PA PB PC PD PE PF PG

Polarity:



Protection Gas:
M13 M12 M14 I1

Welding Parameters & Efficiency

Diameter (mm)	Current (A)
1.20	150-320

Packaging Information

Product Code	Diameter (mm)	Pieces per Box (~)	Weight Of The Box (kg)	Boxes Per Package	Weight Of The Package	Packaging Type
23006BAKM2	0.80	1	1.0	14	15.7	Plastic Spool (D100)
23006BBAM2	0.80	5	5.0	1	5.3	Plastic Spool (D200)
23006BJAM2	0.80	15	15.0	1	15.7	Wire Basket Spool (K300MS)
23006DAKM2	1.00	1	1.0	10	11.5	Plastic Spool (D100)
23006DBAM2	1.00	5	5.0	1	5.3	Plastic Spool (D200)
23006DJAM2	1.00	15	15.0	1	15.7	Wire Basket Spool (K300MS)
23006E1JM2	1.20	250	250.0	1	0.0	Drum
23006EJAM2	1.20	15	15.0	1	15.7	Wire Basket Spool (K300MS)
23006GJAM2	1.60	15	15.0	1	15.7	Wire Basket Spool (K300MS)

Storage & Re-Drying Information

Shouldn t be exposed to high statical load and impact.

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