

# MI 316LSI

Gazaltı (MIG/MAG) Kaynak Teli - 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

### 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.

### Materials

Width	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

### 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/mm <sup>2</sup> )	Tensile Strength (N/mm <sup>2</sup> )	Elongation A5 (%)	Charpy V-Notch Properties (J)
As welded	M13	420	570	42	20°C → 65

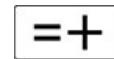
\* Chemical composition and mechanical properties are valid when using shielding gas EN ISO 14175 - M13 (Ar+%0,5-3 O2) .

### Application Information

#### Welding Positions



#### Polarity:



#### Protection Gas:

M13 M12 M14 I1

#### Welding Parameters & Efficiency

Diameter (mm)
0.80
1.00
1.20
1.60

### Packaging Information

Product Code	Diameter (mm)	Quantity per Box	Box Gross Weight (kg)	Boxes per Outer Box	Outer Box Gross Weight (kg)	Packaging Type
23006BAKM2	0.80	1 kg	1.10	14	15.70	Plastic Spool (D100)
23006BBAM2	0.80	5 kg	5.30	1	5.30	Plastic Spool (D200)
23006BJAM2	0.80	15 kg	15.70	1	15.70	Wire Basket Spool (K300MS)
23006DAKM2	1.00	1 kg	1.10	14	15.70	Plastic Spool (D100)
23006DBAM2	1.00	5 kg	5.30	1	5.30	Plastic Spool (D200)
23006DJAM2	1.00	15 kg	15.70	1	15.70	Wire Basket Spool (K300MS)
23006E1HM2	1.20	250 kg	0.00	1	0.00	Fiber Drum
23006EJAM2	1.20	15 kg	15.70	1	15.70	Wire Basket Spool (K300MS)
23006GJAM2	1.60	15 kg	15.70	1	15.70	Wire Basket Spool (K300MS)

**Storage & Re-Drying Information**

Shouldn't be exposed to high statical load and impact.