

MG 2

Gazaltı (MAG) Kaynak Teli - Non Alloyed Steels

Standards

AWS/ASME SFA - 5.18	ER70S-6
EN ISO 14341 - A	G 42 3 C1 G 3Si1
EN ISO 14341 - A	G 42 4 M21 G 3Si1
TS EN ISO 14341 - A	G 42 4 M21 G 3Si1
TS EN ISO 14341 - A	G 42 3 C1 G 3Si1
DIN 8559	SG 2 CY 42 43
DIN M. No.	1.5125

Applications

Unalloyed wire electrode for GMA (MIG/MAG) welding of general structural steels, pipe steels, and cast steels using CO₂ or mixed shielding gases, depending on thickness of the base metal. Generally used in steel construction, shipbuilding, machine, tank, boiler production, automotive industry. Preheating is required, depending on the plate thickness and carbon equivalent of the base metal. A thin and homogeneous copper coating increases electrical conductivity and protects the wire from rusting.

Approvals & Certificates

ABS	CWB	DB
DNV-GL	HAKC	HAKC(1.00mm)
HAKC(1.20mm)	HAKC(1.60mm)	RINA
TL	TSE	TUV
Yerli Mali	CE	

Materials

EN	DIN
S185 - P355T1	St 33 - St 52.0
S235JR - S355J0	St 37.2 - St 52.3
P235TR2 - P355T2	St 37.4 - St 52.4
P235G1TH - P265G1TH	St 35.8 - St 45.8
P235GH, P265GH	H I, H II
P295GH, P355GH	17Mn4, 19Mn5
E295	St 50.2
L210 - L360NB	StE 210.7 - StE 360.7
S255N - S380N	StE 255 - StE 380
GE 200 - GE 240	GS-38, GS-45
-	A, B, D, E

Typical Mechanical Values of Weld Metal

Test Condition	Protection Gas	Akma Dayanımı (N/mm ²)	Tensile Strength (N/mm ²)	Elongation A5 (%)	Charpy V-Notch Properties (J)
As welded	C1	460	530	29	-30°C → 50
As welded	M21	430	530	28	-40°C → 55

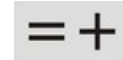
* Kimyasal kompozisyon ve mekanik özellikler EN ISO 14175 - C1 (%100 CO₂) ve M21 (Ar + %20 CO₂) koruyucu gazının kullanılması durumunda geçerlidir.

Application Information

Welding Positions



Polarity:



Protection Gas:

M20 M24 M26 M21 C1

Welding Parameters & Efficiency

Diameter (mm)	Current (A)
0.60	30-120
0.80	50-180
0.90	70-200
1.00	80-230
1.20	120-280
1.60	200-400

MG 2

Gazaltı (MAG) Kaynak Teli - Non Alloyed Steels

Packaging Information

Product Code	Diameter (mm)	Quantity per Box	Box Gross Weight (Kg)	Boxes per Outer Box	Outer Box Gross Weight (Kg)	Packaging Type
2100200M15	0.60	12 KG	12.70	1	12.70	Wire Basket Spool (K300MS)
2100200M21	0.60	5 KG	5.30	1	5.30	Plastic Spool (D200)
2100200M70	0.60	1 KG	1.10	14	15.70	Plastic Spool (D100)
2100201M15	0.80	15 KG	15.70	1	15.70	Wire Basket Spool (K300MS)
2100201M16	0.80	15 KG	15.70	1	15.70	Wire Basket Spool (K300MS)
2100201M21	0.80	5 KG	5.30	1	5.30	Plastic Spool (D200)
2100201M35	0.80	15 KG	15.80	1	15.80	Plastic Spool (D300)
2100201M56	0.80	250 KG	257.50	1	257.50	Fiber Drum
2100201M57	0.80	250 KG	257.50	1	257.50	Fiber Drum
2100201M66	0.80	60 KG	64.00	1	64.00	Fiber Drum
2100201M70	0.80	1 KG	1.10	14	15.70	Plastic Spool (D100)
2100202M15	0.90	15 KG	15.70	1	15.70	Wire Basket Spool (K300MS)
2100202M56	0.90	250 KG	257.50	1	257.50	Fiber Drum
2100202M57	0.90	250 KG	257.50	1	257.50	Fiber Drum
2100203M15	1.00	15 KG	15.70	1	15.70	Wire Basket Spool (K300MS)
2100203M16	1.00	15 KG	15.70	1	15.70	Wire Basket Spool (K300MS)
2100203M21	1.00	5 KG	5.30	1	5.30	Plastic Spool (D200)
2100203M35	1.00	15 KG	15.80	1	15.80	Plastic Spool (D300)
2100203M56	1.00	250 KG	257.50	1	257.50	Fiber Drum
2100203M57	1.00	250 KG	257.50	1	257.50	Fiber Drum
2100203M66	1.00	60 KG	64.00	1	64.00	Fiber Drum
2100203M70	1.00	1 KG	1.10	14	15.70	Plastic Spool (D100)
2100205M15	1.20	15 KG	15.70	1	15.70	Wire Basket Spool (K300MS)
2100205M16	1.20	15 KG	15.70	1	15.70	Wire Basket Spool (K300MS)
2100205M21	1.20	5 KG	5.30	1	5.30	Plastic Spool (D200)
2100205M35	1.20	15 KG	15.80	1	15.80	Plastic Spool (D300)
2100205M56	1.20	250 KG	257.50	1	257.50	Fiber Drum
2100205M57	1.20	250 KG	257.50	1	257.50	Fiber Drum



0 538 927 12 62

info@magmaweld.com | 444 WELD

2100208M16	1.60	15 KG	15.70	1	15.70	Wire Basket Spool (K300MS)
2100208M21	1.60	5 KG	5.30	1	5.30	Plastic Spool (D200)
2100208M35	1.60	15 KG	15.80	1	15.80	Plastic Spool (D300)
2100208M56	1.60	250 KG	257.50	1	257.50	Fiber Drum
2100208M57	1.60	250 KG	257.50	1	257.50	Fiber Drum
2100208M66	1.60	60 KG	64.00	1	64.00	Fiber Drum
2100208M88	1.60	400 KG	416.00	1	416.00	Fiber Drum

Storage & Re-Drying Information

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

It should be stored in a dry room (relative humidity < 50%, room temperature > 20°C) on wooden pallets.



0 538 927 12 62

info@magmaweld.com | 444 WELD