

Aluminium MIG Wire

The new HYUNDAI Premium Quality Aluminium MIG Wire range covers all bases when it comes to high quality and performance welding requirements.

Aluminium MIG Wire - 2kg **Aluminium MIG Wire - 7kg**
1.0mm - MW2KG10AL **1.0mm - MW7KG10AL**
1.2mm - MW2KG12AL **1.2mm - MW7KG12AL**

Conformances

AWS A5.10/ ASME SFA5.10 ER5356
 EN ISO 18273 S Al 5356 (AlMg5Cr(A))
 DNV-GL 5356

Features

- Premium Quality 5356 Wire
- Good Strength and Feed-ability
- Excellent Corrosion Resistance

Current

GMAW: DC+(Pulse)
 GTAW: DC-

Shielding Gas

Ar, Ar+He



Typical Chemical Composition of the Wire (%)

	Si	Fe	C	Mn	Mg	Cr	Zn	Ti	Al
SMT-5356(H)	0.07	0.14	0.005	0.11	4.7	0.11	0.01	0.08	Rem

Gasless MIG Wire

All positional self shielding gasless, MIG welding wire. This is a premium quality product with low spatter & smooth welding characteristics

Flux Cored MIG Wire - 5kg
0.9mm - MW5KG09FC
1.2mm - MW5KG12FC

Conformances

AWS A5.36/ ASME SFA5.36 E71T11-AZ-CS3
 (AWS A5.20/ ASME SFA5.20 E71T-11)
 JIS Z3313 T49 T14-1 N A
 EN ISO 17632-A-T 42 Y Z Z NO 1
 CE

Features

- Single & multi-pass welding of thin plate
- All positional - Low spatter
- Especially suited for welding galvanised and zinc coated steels
- Spool diameter: 200mm
- Superior Grade E71T-11

Welding Position



Current

DC -

Shielding Gas

No shielding gas



Typical Chemical Composition of All-Weld Metal (%)

C	Si	Mn	P	S	Al
0.18	0.34	0.50	0.012	0.006	1.35

ELECTRODES

Excellent Operator Appeal: Very Smooth & Stable Arc, Easy Striking, Low Spatter, Self-Detaching / Easy-to-remove Slag

- Excellent operator appeal - available in Low-Hydrogen
- Smooth and stable arc
- Easy Strikin
- Low spatte
- Easy to clean, self-detaching slag
- All welding positions, including vertical down*
- Create welds which are highly resilient to cracking
- ISO & AWS certified (*Low Hydrogen only)



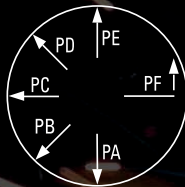
Low Hydrogen 7018 Electrodes - 5kg

- 2.6mm - **HY26LH5KG**
- 3.2mm - **HY32LH5KG**
- 4.0mm - **HY40LH5KG**

Conformances

AWS A5.1/ ASME SFA5.1 E7018
 JIS Z3211 E4918
 EN ISO 2560-A-E42 3 B 1 2
 KR 3H10, 3Y H10
 ABS 3H10, 3Y
 LR 3YH15
 BV 3YHH
 DNV-GL 3YH10
 NK KMW53HH
 TÜV EN ISO 2560-A-E 42 3 B 1 2 H5
 DB EN ISO 2560-A-E 42 3 B 1 2 H5
 CWB CSA W48 E4918-H8
 CE

Welding Position



Features

- Suitable for butt and fillet welding of heavy structure
- Good crack resistance and X-ray performance
- Good mechanical properties
- Iron powder and low hydrogen type electrode (high efficiency)

Current

AC or DC +

Typical Chemical Composition of All-Weld Metal (%)

C	Si	Mn	P	S
0.06	0.50	1.20	0.017	0.011

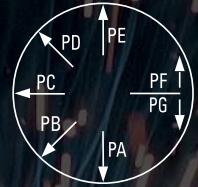
General Purpose 6013 Electrodes - 5kg

- 2.6mm - **HY26GP5KG**
- 3.2mm - **HY32GP5KG**
- 4.0mm - **HY40GP5KG**

Conformances

AWS A5.1/ ASME SFA5.1 E6013
 JIS Z3211 E4313
 EN ISO 2560-A-E38 0 R 1 2
 KR 2
 ABS 2
 LR 2
 BV 2
 DNV-GL 2
 NK KMW2
 CE

Welding Position



Features

- Suitable for butt and fillet welding of thin plates
- Good restriking
- Good bead appearance
- Easy to remove slag
- Smooth arc and low fume
- AC welding with low ocv

Current

AC or DC +

Typical Chemical Composition of All-Weld Metal (%)

C	Si	Mn	P	S
0.05	0.23	0.35	0.022	0.017

TIG ROD

Alloy 4043 TIG rod is suitable for TIG welding of a wide range of cast and wrought aluminium alloys. It is extensively used for welding aluminium alloy castings. It has a lower weld deposit strength but excellent crack resistance.

4043 Aluminium TIG Rod - 5kg
2.4mm - TRAL24-4043
3.2mm - TRAL32-4043

Conformances

AWS A5.10/ ASME SFA5.10 ER4043
 EN ISO 18273 S Al 4043 (AISI5)

Features

- General purpose type filler alloy the color well with the parent metal after anodizing.
- SMT-4043H has excellent feedability by controlling impurities
- 5% Silicon
- High Strength
- Marine grade

Current

GMAW: DC+(Pulse)
 GTAW: DC-

Shielding Gas

Ar, Ar+He

Typical Chemical Composition of the Wire (%)

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al
SMT-4043(H)	5.07	0.12	0.03	0.02	0.01	-	0.03	0.02	Rem

Premium quality marine grade aluminium Tig filler rod. Excellent balance between corrosion resistance & ease of use.

5356 Aluminium TIG Rod - 5kg
2.4mm - TRAL24-5356
3.2mm - TRAL32-5356

Conformances

AWS A5.10/ ASME SFA5.10 ER5356
 EN ISO 18273 S Al 5356 (AlMg5Cr(A))
 DNV-GL 5356

Features

- ER5356 is a about 5% Magnesium Aluminum filler metal which has high corrosion resistance
- SMT-5356H has excellent feedability by controlling impurities
- High Strength
- Anodising, marine grade
- 5% magnesium

Current

GMAW: DC+(Pulse)
 GTAW: DC-

Shielding Gas

Ar, Ar+He

Typical Chemical Composition of the Wire (%)

	Si	Fe	C	Mn	Mg	Cr	Zn	Ti	Al
SMT-5356(H)	0.07	0.14	0.005	0.11	4.7	0.11	0.01	0.08	Rem