

UNIMIG

HYPERSMIG



PREMIUM
ALUMINIUM MIG WIRE


HYPERMIG 5183 PREMIUM

ALUMINIUM MIG WIRE



Summary

HYPERMIG 5183 is an aluminium MIG wire specifically formulated for welding 5XXX series aluminium alloys, especially those with a higher magnesium content.

- Stands out for its excellent mechanical properties at higher temperatures and its superior resistance to hot cracking
- Cold-drawn and packed in Switzerland 
- Provides consistent and reliable performance for applications demanding high shear strength

Typical Applications

- Welding of high magnesium aluminium alloys
- Marine construction where higher tensile strength is required
- Industrial applications requiring enhanced stress-corrosion cracking resistance
- Structural and frame welding in demanding conditions

Standards

- EN ISO 18273: 2004-S Al 5183
- AS/NZS ISO 18273: S Al 5183
- AWS A5.10 ER5183

Typical Chemical Composition (%)

Mn	Si	Cr	Ti	Cu	Al
0.61	0.05	0.06	0.06	0.001	Rem
B	Mg	Zn	Fe		
0.003	4.96	0.007	0.1		

Approvals

- ABS
- BV
- CWB
- DNV
- Lloyds Register of Shipping
- TUV

Recommended Gas

- Ar 100%
- Ar + 10-30% He
- Ar + 50-75% He

Operating Polarity

- DCEP

Packaging Info

SKU	DESCRIPTION
U11532	HYPERMIG 5183 ALUMINIUM PREMIUM 1.2MM 7KG


HYPERMIG 5356 PREMIUM

ALUMINIUM MIG WIRE



Summary

HYPERMIG 5356 is an aluminium MIG wire with a 5% magnesium content, formulated for welding 5XXX series aluminium alloys, particularly those with a magnesium content of 3% or more.

- Renowned for its superior corrosion resistance
- Cold-drawn and packed in Switzerland 
- The magnesium content enhances the wire's strength characteristics

Typical Applications

- Welding of 5XXX series aluminium alloys with small amounts of copper
- Marine components and ship structures due to its high strength
- Structural frame welding in non-corrosive conditions
- Construction of high-strength aluminium vessels

Standards

- AWS A5.10 ER5356
- EN ISO 18273: 2004-S Al 5356
- AS/NZS ISO 18273: S Al 5356

Typical Chemical Composition (%)

Mn	Si	Cr	Ti	Cu	Al
0.160	0.070	0.120	0.068	0.001	Rem
Mg	Zn	Fe			
5.100	0.006	0.120			

Approvals

- ABS
- BV
- CWB
- DNV
- Lloyds Register of Shipping
- TUV

Recommended Gas

- Ar 100%
- Ar + 10-30% He
- Ar + 50-75% He

Operating Polarity

- DCEP

Packaging Info

SKU	DESCRIPTION
U11530	HYPERMIG 5356 ALUMINIUM PREMIUM 1.0MM 2KG
U11531	HYPERMIG 5356 ALUMINIUM PREMIUM 1.2MM 2KG
U11162	HYPERMIG 5356 ALUMINIUM PREMIUM 1.0MM 7KG
U11163	HYPERMIG 5356 ALUMINIUM PREMIUM 1.2MM 7KG

COLD DRAWN & PACKED IN SWITZERLAND

Made from the highest quality European metal, the wire is cold-drawn and precision-packed in Switzerland, ensuring unmatched reliability and welding consistency.

Cold drawing enhances the wire by increasing the tensile strength and reducing the risk of breakage or feeding issues.



PRECISION DIAMETER CONTROL

Precision diameter control guarantees uniform thickness for smooth, consistent wire feeding, minimising jams and irregular arc performance.

LESS SPATTER & LESS SOOT

With less spatter, less soot, and reduced post-weld cleanup, HYPERMIG Premium wire saves you time and money, allowing for greater efficiency on every job.