



HILCO AIMg4,5Mn

MIG wire – aluminium

AWS A5.10: ER 5183

EN ISO 18273: S Al 5183 (AIMg4,5Mn0,7(A))

Wire type:
MIG Solid wire

Current:



Welding positions:



Shielding gas:
I1-I3

AIMg4,5Mn is our aluminium wire for MIG welding forged and cast aluminium-manganese and aluminium-magnesium alloys in applications where high tensile strengths and/or excellent resistance to sea water is required. Typical applications include shipbuilding, tank building and general construction welding.

Base materials to be welded:

- Aluminium-manganese alloys
- Aluminium-magnesium alloys
- Aluminium-MgSi alloys
- Similar aluminium alloys

Applications:

- Shipbuilding & Offshore
- Power Generation
- General fabrication & construction
- Repair & Maintenance

Chemical composition, wt.% weld metal – typical:

Mn	Cr	Mg	Fe	Al
0,80	0,15	4,7	0,40	Bal.

Mechanical properties, weld metal – typical:

Condition	0,2% Yield strength MPa	Tensile strength MPa	Elongation Lo=5d - %	Physical properties	
As welded	≥ 130	≥ 275	≥ 18	Melting range 574-638°C	Density 2,66 g/cm ³

Packaging data:

Dia. mm.	Spool type	Weight / spool kg.
1,2	BS300	7