



HILCO AISi5 (OAW)

Gas welding rods – aluminium

AWS A5.10: ER 4043

EN ISO 18273: S Al 4043A (AlSi5(A))

Wire type:

OAW Solid wire

Shielding gas:

Oxy-acetylene

Welding positions:

AlSi5 is our aluminium wire for oxy-acetylene gas welding, repairing and surfacing forged and cast aluminium-silicon alloys and joining dissimilar aluminium alloys with maximum 7% Si content. The easy flowing characteristics make the wire suitable for welding all aluminium castings (except AlMg castings).

Base materials to be welded:

- Aluminium-MgSi alloys
- Aluminium-Mg alloys up to 2,5% Mg
- Aluminium-MnCu alloys
- Aluminium-Si cast alloys
- Joining dissimilar aluminium alloys

Applications:

- General fabrication & construction (aluminium base metals)
- Shipbuilding & Offshore
- Repair & Maintenance

Chemical composition, wt.% weld metal – typical:

Mn	Si	Fe	Cu	Al
≤ 0,15	5,0	≤ 0,60	≤ 0,30	Bal.

Physical properties

Melting range 573-625°C	Density 2,68 g/cm ³
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Packaging data:

Dia. mm.	Length mm.	Weight / package kg.
1,6	1000	5
2,0	1000	5
2,4	1000	5
3,2	1000	5