

Wire type:
TIG Solid wire

Current:



Welding positions:



Shielding gas:
I1

AI99,7 is our aluminium wire for TIG welding pure aluminium and wrought aluminium alloys. Highly resistant to chemical attack and weathering. It is a relatively soft alloy that is very formable and it is used extensively in thin-gauge and foil products. Deposit weld metal has good mechanical properties. Typical applications include repair welding engine blocks, oil-castings, automotive parts and aluminium pump housings. To be used in combination with tungsten electrodes type WP.

Base materials to be welded:

- Pure aluminium AI99,5, AI99,7, AI99,8 and AI99
- Pure aluminium Werkstoffnr. 3.0255, 3.0275, 3.0285 and 3.0205
- Similar aluminium and wrought aluminium alloys

Applications:

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

Chemical composition, wt.% weld metal – typical:

Mn	Si	Mg	Fe	Cu	Ti	Zn	Al
0,03	0,20	0,03	0,25	0,03	0,03	0,07	Bal.

Mechanical properties, weld metal – typical:

Condition	0,2% Yield strength MPa	Tensile strength MPa	Elongation Lo=5d - %
As welded	20	65	35

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