

ALUFIL AI 99,5 Ti

Drôt pre zváranie TIG/MIG

Welding rod/wire electrode for TIG/MIG-welding process

Pręty/druty spawalnicze do spawania metodami TIG/MIG



Standards:

DIN 1732

Comparable No. of Materials:

SG-AI 99,5 Ti

3.0805

SK Vlastnosti a použitie:

Titánom legovaný prídavný materiál pre zváranie TIG/MIG hliníka. Titán zaručuje veľmi jemnozrný zvarový kov.

GB Application and properties:

Titanium-alloyed aluminium weld consumable for TIG/MIG-welding of pure aluminium base metal. The addition of titanium produces a very fine-grained weld metal.

POL Zastosowania i własności:

Materiał spawalniczy ze stopu aluminium z dodatkiem tytanu do spawania TIG/MIG metalu rodzimego z czystego aluminium. Dodatek tytanu zapewnia bardzo drobnoziarniste stopiwo.

Materials for instance:

No. of Materials	DIN-Designation	No. of Materials	DIN- Designation
3.0255	Al 99,5	3.0285	Al 99,8

Approvals:

TÜV

Rod and wire analysis correspond to all-weld metal analysis (typical values in%):

Si	AL+Ti	Ti
<0,20	≥99,5	0,15

Mechanical properties of all-weld metal (single values are typical values):

Heat treatment	0,2 % Proof stress [N/mm ²]	Tensile strength [N/mm ²]	Elongation A ₅ [%]
AW	≥20	≥65	≥35

AW = as-welded

Analysis and mechanical properties apply to the use of shielding gas:

DIN EN 439 - I1 in TIG – welding

DIN EN 439 - I1 in MIG – welding

Shielding gas acc. to DIN EN 439:

Welding rod for TIG-welding:

I1 (ARCAL 1)

Wire electrode for MIG-welding:

I1 (ARCAL1), I2 (Helium R), I3 (ARCAL 31)

Consumption:

TIG = 10 l/min, MIG = 12 l/min

Form of delivery:

Welding rods				
Dia. [mm]	2,0	2,4	3,2	4,0
Length [mm]	1000			
Approx. weight of packet [kgs]	10			

Wire electrodes			
Dia. [mm]	1,0	1,2	1,6
Wire cage reel K300 [kgs]	7		

Further forms of delivery on request.

Type of current/Polarity/Welding positions:

