

TALWELD 4043

Classifications

AWS A5.10 ER4043

AS/NZS ISO 18273 S Al 4043

Description

Talweld 4043 is an Aluminium Alloy TIG rod containing 5% Silicon used for welding of cast and wrought aluminium alloys. Its Silicon content gives lower strength and excellent crack resistance, particularly for the repair of castings.

Shielding Gas

Welding grade Argon or Argon-Helium mixtures (for thicker sections).

Chemical composition of solid wire (wt %)

Si	Fe	Cu	Mn	Mg	Zn	Be	Ti	Al
4.5-5.5	0.80 Max.	0.30 Max.	0.05 Max.	0.05 Max.	0.1 Ma	0.0003 Max.	0.2 Max.	Balance

Typical mechanical properties of weld metal

Tensile strength MPa	Yield strength MPa	Elongation %
120	170	8

Packaging

Diameter (mm)	1.6	2.4	3.2
Pack	2.5kg	2.5kg	2.5kg
Length (mm)	1000	1000	1000

Note: SAFRA 4043 TIG Rods are also available, in 5 kg packs

Diam.	2.5kg Re-sealable Pack	SAFRA 5 kg
1.6mm	ATC404316	
2.4mm	ATC404324	ATS404324
3.2mm	ATC404332	ATS404332

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