

TAURUS 4043 ALUMINIUM TIG RODS

Description

TAURUS TIG 4043 is a 95% aluminium, 5% silicon rod suitable for welding heat treatable base alloys. It has a lower melting point and more fluidity and is preferred by welders because of its favourable operating characteristics. The ER4043 rod is also less sensitive to weld cracking. TAURUS TIG 4043 should be used with a zirconated tungsten electrode with pure argon or an argon-helium mixture for thick sections, at a flow rates of 10 – 15 l/min. For oxygen and acetylene gas welding, a neutral flame should be used with aluminium welding flux.

APPLICATIONS

Applications in the construction and automotive industry.

MATERIALS TO BE WELDED

TAURUS TIG 4043 rod is used to weld most aluminium alloys containing up to 7% silicon and can be used for welding wrought to cast aluminium materials such as: BS 1470-1475 HE19, HE15, HE20 and HE30 material BS 1490 LM2 and LM6 castings aluminium alloys (AAA). 6061, 6062,05052, 5154, 3003, 2024, 1050 and 1100 (after anodising, welding will be of a dark grey colour).

WELDING POSITIONS

- Downhand • Horizontal flat • Horizontal vertical
- Vertical up • Overhead

CLASSIFICATIONS

- AWS A5.10 ER4043
- EN ISO 18273 Al4043 (AlSi5)
- EN ISO 14343-B SS 316L

AVAILABLE IN

- 1.6mm – 5kg pack
- 2.4mm – 5kg pack
- 3.2mm – 5kg pack

COMPOSITION	%
Silicon	4.5 – 5.5
Iron	0.4 Max
Copper	0.05 Max
Manganese	0.05 Max
Magnesium	0.05 Max
Zinc	0.1 Max
Titanium	0.15 Max
Beryllium	0.0008 Max
Aluminium	Balance

MECHANICAL PROPERTIES	AS WELDED
Tensile strength	40 MPa
0.2% Proof stress	120 MPa
Elongation on 5d	8 %

Product Category

1. Aluminium
2. Consumables
3. Tig Rods

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