

ES TIG 4043

GTAW

R4043

ESWECO
The Art of Welding

Description

ES TIG 4043 is one of the most widely used welding alloys. It is used for welding AlMgSi types and AlSi alloys with up to 7% silicon. Not recommended for anodising. Non-heat treatable.

Current

AC

Classifications

SFA/AWS A5.10	R4043
EN ISO 18273	S Al 4043 (AlSi5)
EN ISO 18273	S Al 4043A (AlSi5(A))

Typical all weld metal composition, %

Si	Mn	Cr	Cu	Ti	Zn	Fe
5.0	<0.05	<0.05	<0.05	<0.15	<0.1	<0.6

Typical mech. Properties all weld metal

Yield stress, MPa	55
Tensile strength, MPa	165
Elongation, %	18

Welding parameters

Diameter, mm	Length, mm	Weight of rods/box, kg
1.6	1000	2.5
2.0	1000	2.5
2.4	1000	2.5
3.2	1000	2.5
4.0	1000	2.5