

OK Autrod 4043

OK Autrod 4043 is one of the most widely used welding and brazing alloys and can be classed as a general purpose filler alloy. The silicon additions result in improved fluidity (wetting action) to make the alloy a preferred choice by welders. The alloy is not sensitive to weld cracking and produces bright and almost smut free welds. Not recommended for anodizing. Non-heat treatable.

Classifications Wire Electrode:	SFA/AWS A5.10:ER4043, EN ISO 18273:S Al 4043 (AlSi5), JIS Z 3232:A4043
Approvals:	CE EN 13479, DB 61.039.05, JIS JIS Z 3232, VdTÜV 12187, CWB AWS A5.10/A5.10M:2012 (ER4043)

Approvals are based on factory location. Please contact ESAB for more information.

Alloy Type:	AlSi
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Typical Tensile Properties

Condition	Yield Strength	Tensile Strength	Elongation
As welded	55 MPa	124 MPa	18 %

Typical Wire Composition %

Mn	Si	Al	Cu	Fe	Ti	Zn
0.01	5.00	Rem	0.02	0.14	0.01	0.01

Deposition Data

Diameter	Current	Voltage
0.8 mm	60-170 A	13-24 V
0.9 mm	60-170 A	13-24 V
1.0 mm	90-210 A	15-26 V
1.2 mm	140-260 A	20-29 V
1.6 mm	190-350 A	25-30 V
2.0 mm	280-400 A	26-31 V
2.4 mm	280-400 A	26-31 V