

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.

Typical Tensile Properties			
Condition	Yield Strength	Tensile Strength	Elongation
As welded	55 MPa (8 ksi)	124 MPa (18 ksi)	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 (.030 in.)	60-170 A	13-24 V
0.9 mm (.035 in.)	60-170 A	13-24 V
1.0 mm (.040 in.)	90-210 A	15-26 V
1.2 mm (3/64 in.)	140-260 A	20-29 V
1.6 mm (1/16 in.)	190-350 A	25-30 V
2.0 mm (5/64 in.)	280-400 A	26-31 V
2.4 mm (3/32 in.)	280-400 A	26-31 V