

OK Autrod 5183

OK Autrod 5183 was developed to provide the highest strengths possible in the as welded condition of alloy AA 5083 and other similar high magnesium alloys. The more common OK Autrod 5356 will typically fail to meet the as-welded tensile requirements of AA 5083. The alloy is typically utilised in marine and structural applications where high strengths, high fracture toughness for impact resistance and exposure to corrosive elements are important. The alloy is not recommended for elevated temperature applications due to its susceptibility to stress corrosion cracking. The alloy is non-heat treatable.

Elettrodo filo - Classificazioni	SFA/AWS A5.10: ER5183 EN ISO 18273: S Al 5183 (AlMg4,5Mn0,7(A)) JIS Z 3232: A5183
Approvazioni	ABS ER 5183

Le approvazioni si basano sulla localizzazione della fabbrica. Contatta ESAB per maggiori informazioni.

Tipo di lega	AlMgMn
---------------------	--------

Composizione % tipica del filo

Mn	Si	Cr	Al	Cu	Ti	Fe	Mg	Zn
0.65	0.04	0.08	94.200	0.01	0.100	0.13	4.9	0.01

Dati deposito

Diametro	Amp	Volt	Velocità di trascinamento del filo	Tasso di deposito
1.0 mm	90-210 A	15-26 V	0.0-0.0 m/min	0.0-0.0 kg/h
1.2 mm	140-260 A	20-29 V	0.0-0.0 m/min	0.0-0.0 kg/h
1.6 mm	190-350 A	25-30 V	0.0-0.0 m/min	0.0-0.0 kg/h