

## ALUMINUM

### MIG WIRES / TIG RODS (GMAW/GTAW)

# ALTIGWELD 5183

Alloy 5183 was originally developed in 1957 to provide the highest strengths possible in the as-welded condition of Alloy 5083 and other similar high Magnesium Alloys. The more common filler Alloy 5356, will typically fail to meet the as-welded tensile Specification Requirements of Alloy 5083. The Alloy is typically utilized 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.

Specifications	
Classifications	ANSI/AWS A5.10 : (ER & R)
Approvals	ABS BV CE ClassNK CWB DB : 61.002.07 DNV KR LR RINA VdTÜV

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

Alloy Type	Aluminum
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Typical Wire Composition %							
Mn	Si	Cr	Cu	Ti	Zn	Fe	Mg
0.65	0.04	0.08	0.01	0.100	0.01	0.13	4.9