

OK Tigrod 5356

OK Tigrod 5356 is the most widely used welding alloy and can be classified as a general purpose type filler alloy. OK Tigrod 5356 is typically chosen because of its relatively high shear strength. The 5XXX alloy base material, welded with OK Tigrod 5356, with a weld pool chemistry greater than 3 % Mg and service temperatures in excess of 65 °C are susceptible to stress corrosion cracking. The alloy is non-heat treatable.

Specifications	
Classifications	JIS Z 3232 : A5356 SFA/AWS A5.10 : R5356 EN ISO 18273 : S Al 5356 (AlMg5Cr(A))
Approvals	ABS : R5356 CE : EN 13479 CWB : A5.10/A5.10M: ER5356 DB : 61.039.02 JIS : Z 3232 VdTÜV : 04665

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

Alloy Type	AlMg5
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Typical Tensile Properties				
Condition	Conditional Statement	Yield Strength	Tensile Strength	Elongation
As Welded	As welded	120 MPa	265 MPa	26 %

Typical Wire Composition %							
Mn	Si	Cr	Al	Cu	Zn	Fe	Mg
0.13	0.05	0.12	94.56	0.01	0.01	0.13	4.90