

OK Tigrod 16.95

Bare, corrosion-resistant, chromium-nickel-manganese welding rods for welding austenitic stainless alloys of the 18% Cr, 8% Ni, 7% Mn types. OK Tigrod 16.95 has general corrosion resistance similar to that of the corresponding parent metal. The higher silicon content improves the welding properties such as wetting. When used for joining dissimilar materials, the corrosion resistance is of secondary importance. The alloy is used in a wide range of applications across the industry, such as the joining of austenitic, manganese, work-hardenable steels, as well as armour plate and heat-resistant steels.

Classifications Wire Electrode:	SFA/AWS A5.9:ER307 mod, Werkstoffnummer :~1.4370, EN ISO 14343-A:W 18 8 Mn
Approvals:	CE EN 13479, DB 43.039.12, VdTÜV 05421

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

Alloy Type:	Austenitic (18 % Cr - 8 % Ni - 7 % Mn)
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Typical Tensile Properties			
Condition	Yield Strength	Tensile Strength	Elongation
As welded	450 MPa	640 MPa	41 %

Typical Charpy V-Notch Properties		
Condition	Testing Temperature	Impact Value
As welded	20 °C	130 J
As welded	-60 °C	56 J

Typical Wire Composition %						
C	Mn	Si	Ni	Cr	Mo	Cu
0.08	7.0	0.9	8.1	18.7	0.20	0.10