

OK Tigrod 19.49

Bare Cu-Ni rods for welding of similar alloys like 90Cu10Ni-, 80Cu20Ni- and 70Cu30Ni-alloys. The nickel addition strengthens the weld metal and improves the corrosion resistance, particularly against salt water. The alloy is used for overlay welding of steels and widely used for welding of Cu-Ni components to desalination plants.

Specifications	
Classifications	SFA/AWS A5.7 : ER CuNi EN ISO 24373 : S Cu 7158 (CuNi30Mn1FeTi)
Approvals	ABS : ER CuNi VdTÜV : 11600

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

Alloy Type	Alloyed copper (Cu + 30 % Ni)
Shielding Gas	I1, I2, I3 (EN ISO 14175)

Typical Tensile Properties			
Condition	Yield Strength	Tensile Strength	Elongation
As Welded	180 MPa	350 MPa	40 %

Typical Wire Composition %				
C	Mn	Si	Ni	Fe
0.02	0.7	0.05	31	0.5