

OK Tigrod 385

Bare corrosion resisting welding rods for welding of austenitic stainless steels of type 20Cr-25Ni-4.5Mo-1.5Cu. The weld metal has a good resistance to stress corrosion and intergranular corrosion and shows a very good resistance to attack in nonoxidizing acids. The resistance to pitting and crevice corrosion is better than for ordinary 18Cr-8Ni-Mo-steels.

Specifications

Classifications

EN ISO 14343-A : W 20 25 5 Cu L
SFA/AWS A5.9 : ER385

Approvals

VdTÜV : 05444

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

Alloy Type

Fully austenitic (20 % Cr - 25 % Ni - 5 % Mo - 1.5 % Cu - Low C)

Shielding Gas

I1, I2, I3 (EN ISO 14175)

Tensile Properties

Testing Condition	Yield Strength	Tensile Strength	Elongation
As Welded	340 MPa	540 MPa	37 %

Charpy Testing

Testing Condition	Testing Temp	Impact Value
As Welded	20 °C	120 J

Typical Wire Composition %

C	Mn	Si	Ni	Cr	Mo	Cu	N
0.01	1.7	0.4	25.0	20.0	4.4	1.5	0.05