

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Electrode

with trade name
UTP 80 M

Manufacturer

voestalpine Böhler Welding UTP Maintenance GmbH
Bad Krozingen Baden-Württemberg, Germany

is found to comply with
DNV GL rules for classification – Ships

with this approval

Grade	NiCu30Mn
Current	DC +
Approved diameter	2,5 - 5,0mm
Positions	All, except vertical-down
Remarks	EN ISO 14172 - E Ni 4060 (NiCu30Mn3Ti)

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

This Certificate is valid until **2021-01-07**.

Issued at **Hamburg** on **2016-01-08**

DNV GL local station: **Augsburg**

Approval Engineer: **Hans-Joachim Vogt**

for **DNV GL**

Marcus von Busch
Head of Section

Any significant change in design or construction may render this Certificate invalid.