

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Electrode

with trade name
BÖHLER FOX HL 180 Ti

Manufacturer

voestalpine Böhler Welding Austria GmbH
Kapfenberg Steiermark, Austria

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

with this approval

Grade	2 Y
Current	AC, DC -
Approved diameter	3,2 - 5,0mm
Positions	PA, PB (1G, 1F, 2F)
Remarks	---

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

This Certificate is valid until **2021-12-31**.

Issued at **Hamburg** on **2017-01-06**

DNV GL local station: **Augsburg**

for **DNV GL**

Approval Engineer: **Dietmar Liebich**

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Thorsten Lohmann
Head of Section

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