

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Electrode**

with trade name

Phoenix SH Schwarz 3 K

Manufacturer

**voestalpine Böhler Welding Austria GmbH
Kapfenberg, Austria**

is found to comply with

DNV GL class programme DNVGL-CP-0069 – Type approval – Welding consumables**DNV GL rules for classification – Ships**

with this approval

Grade 3 Y H10**Current DC(+)****Approved diameter 2,5 mm - 6,0 mm****Positions All, except vertical downwards****Remarks Also for VL 0.3 Mo****Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.**Issued at **Hamburg** on **2018-02-20**This Certificate is valid until **2023-01-31**.DNV GL local station: **Augsburg**Approval Engineer: **Dietmar Liebich**for **DNV GL**

**Thorsten Lohmann
Head of Section**

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



Form code: WELD 1421a

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