

TYPE APPROVAL CERTIFICATE

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

with trade name

Avesta 2205-PW AC/DC

Manufacturer

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

is found to comply with

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

with this approval

Grade 4462**Current AC, DC +****Approved diameter 2,0 - 5,0mm****Positions All, except vertical-down****Remarks Impact test at -30°C average value > 34 Joule****Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.**Issued at **Hamburg** on **2018-07-25**This Certificate is valid until **2023-06-30**.DNV GL local station: **Augsburg**for **DNV GL**Approval Engineer: **Ludger Hachmöller****Thorsten Lohmann
Head of Section**

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



Form code: WELD 1421a

Revision: 2016-12

www.dnvgl.com

Page 1 of 1