

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Flux Cored Wire/Gas combination**

with trade name

Böhler CN 23/12-FD/ C1

Manufacturer

**voestalpine Böhler Welding Austria GmbH
KAPFENBERG, Austria**

is found to comply with

DNV GL rules for classification – Ships

with this approval

Grade VL 309L**Current DC +****Approved diameter 0,9 - 1,6mm****Positions PA, PB, PC, PF (1G, 1F, 2F, 2G, 3Gu, 3Fd)****Remarks Impact test at - 60°C average value > 34 Joule****Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.**This Certificate is valid until **2018-12-31**.Issued at **Hamburg** on **2015-10-21**DNV GL local station: **Augsburg**for **DNV GL**Approval Engineer: **Hans-Joachim Vogt**

**Marcus von Busch
Head of Section**

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