

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Wire/Gas combination

with trade name

Thermanit JE-308L Si / M13

Manufacturer

**voestalpine Böhler Welding Germany GmbH
Hamm, Germany**

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 VL 308L

Current DC(+)

Approved diameter 0,8 - 1,6mm

Positions Flat, Horizontal

Remarks For Gas metal arc welding (GMAW)

Impact test at -196°C average value > 32J

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

Issued at **Hamburg** on **2020-01-17**

This Certificate is valid until **2020-12-31**.

DNV GL local station: **Essen**

for **DNV GL**

Approval Engineer: **Dietmar Liebich**

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Thorsten Lohmann
Head of Section

