

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Wire/Gas combination

with trade name

Thermanit JE-308L Si / I1

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 308 L
Current	DC(-)
Approved diameter	1,0 - 3,2mm
Positions	Flat, Horizontal
Remarks	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**.

for **DNV GL**

DNV GL local station: **Essen**

Approval Engineer: **Dietmar Liebich**

.....
Thorsten Lohmann
Head of Section

