

TYPE APPROVAL CERTIFICATE

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

with trade name

Thermanit JE-308L Si / M12

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, vertical upwards**Remarks** For Gas metal active welding (GMAW).
Impact test at -196°C average value min. 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