

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Wire/Gas combination

with trade name
Thermanit 309L 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 309L
Current	DC(+)
Approved diameter	0,8 - 1,6mm
Positions	Flat, horizontal, vertical upwards
Remarks	For Gas metal arc welding (GMAW)

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

