

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Wire/Gas combination**with trade name
Thermanit 309L / 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	1,0 -1,6mm
Positions	Flat, horizontal, vertical upwards
Remarks	For Gas Metal arc welding

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**

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Thorsten Lohmann
Head of Section