

TYPE APPROVAL CERTIFICATE

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

with trade name

Thermanit GE-316L / I1

Manufacturer

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

is found to comply with

DNV GL rules for classification – Ships

with this approval

Grade	VL 316L
Current	DC -
Approved diameter	0,8 - 4,0mm
Positions	All, except vertical down
Remarks	Impact test at -196°C average value > 32 Joule As welded condition For Tungsten inert gas welding (TIG)

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.This Certificate is valid until **2020-12-31**.Issued at **Hamburg** on **2016-07-14**DNV GL local station: **Essen**for **DNV GL**Approval Engineer: **Hans-Joachim Vogt**

**Thorsten Lohmann
Head of Section**

Any significant change in design or construction may render this Certificate invalid.