



Certificate No:
TAW000058H

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Wire/Gas combination

with trade name
Thermanit 18/17 E Mn / I1

Manufacturer
voestalpine Böhler Welding Germany GmbH
Hamm, Germany

is found to comply with
DNV class programme DNV-CP-0338 – Type approval – Type approval scheme

with this approval

Grade	*
Current	DC(-)
Approved diameter	1.0 mm - 2.4 mm
Positions	All, including vertical downwards
Remarks	*) TIG wire: AWS A5.9 ER317L (mod.) Impact test at -196°C average value >32J

Issued at **Hamburg** on **2025-04-14**

This Certificate is valid until **2028-05-24**.

DNV local station: **Essen**

for **DNV**

Approval Engineer: **Ludger Hachmöller**

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

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



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