

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Wire/Flux combination

with trade name

Thermanit Nimo C276 / Marathon 104

Manufacturer

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

is found to comply with

DNV GL rules for classification – Ships

with this approval

Grade	*)
Current	AC, DC +
Approved diameter	1,6 - 2,4mm
Positions	PA (1G, 1F)
Remarks	* Wire acc. EN ISO 18274: S Ni 6276 (NiCr15Mo16Fe6W4) For VL 1,5Ni up to VL 9 Ni Impact energy at -196°C average value > 47 J

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 **2016-03-30**

DNV GL local station: **Essen**

for **DNV GL**

Approval Engineer: **Dietmar Liebich**

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Thorsten Lohmann
Head of Section

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