

TYPE APPROVAL CERTIFICATE

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

with trade name

Thermanit Nicro 82 / I1

Manufacturer

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

is found to comply with

DNV GL rules for classification – Ships

with this approval

Grade	*
Current	DC +
Approved diameter	0,8 - 1,6mm
Positions	PA, PB, PF, PC (1G, 1F, 2F, 3Gu, 3Fu, 2G)
Remarks	*) EN ISO 18274 : S Ni 6082 (NiCr20Mn3Nb) AWS A 5.14 ER NiCr-3 For Gas metal arc welding (GMAW) Impact test at -196°C average value > 47J

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.Issued at **Hamburg** on **2016-07-28**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

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



Form code: WELD 1421a

Revision: 2016-12

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