

TYPE APPROVAL CERTIFICATE

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

with trade name

NITTETSU FILLER 196 / NITTETSU FLUX 10H

Manufacturer

**Nippon Steel & Sumikin Welding Co. Ltd., Chiba Plant
Narashino, Chiba Pref., Japan**

is found to comply with

DNV GL rules for classification – Ships**DNV GL class programme DNVGL-CP-0069 – Type approval – Welding consumables**

with this approval

Grade	-M
Current	DC(+)
Approved diameter	2.4 mm
Positions	Flat and Horizontal
Remarks	For welding of VL 1.5Ni up to VL 9Ni. Impact test at -196°C. The min. yield strength of the weld metal 415 N/mm².

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.Issued at **Hamburg** on **2019-03-18**This Certificate is valid until **2024-03-17**.DNV GL local station: **Yokohama**for **DNV GL**Approval Engineer: **Ludger Hachmöller**

**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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