

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Flux Cored Wire/Gas/Backing combination

with trade name
SF-1 · GP / C1 / SB-41

Manufacturer

**NIPPON STEEL WELDING & ENGINEERING CO., LTD. Hikari
Plant
Hikari, Yamaguchi 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	II YMSH5
Current	DC(+)
Approved diameter	1.2mm - 1.6mm
Positions	Flat, vertical upwards and horizontal
Remarks	One-side welding on backing material SB-41

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

Issued at **Hamburg** on **2019-09-09**

This Certificate is valid until **2024-09-08**.

DNV GL local station: **Hiroshima**

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.



Form code: WELD 1421a

Revision: 2016-12

www.dnvgl.com

Page 1 of 1

© DNV GL 2014. DNV GL and the Horizon Graphic are trademarks of DNV GL AS.