

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Electrode**

with trade name
NSSW TW-50

Manufacturer

Nippon Steel & Sumikin Welding Co., Ltd. Hikari Plant
Hikari Yamaguchi Pref., Japan

is found to comply with
Det Norske Veritas' Rules for Classification PT.2

with this approval

Grade	3 YH10
Current	AC/DC(+)
Approved diameter	2.6 mm - 4.0 mm
Positions	All, incl. vertical downwards
Remarks	

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

This Certificate is valid until **2019-08-19**.

Issued at **Høvik** on **2015-08-20**

DNV GL local station: **Hiroshima**

Approval Engineer: **Maxim Bobrov**

for **DNV GL**

Hanne Anita Hjerpetjønn
Head of Section

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