

TYPE APPROVAL CERTIFICATE

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

with trade name
TL-50D

Manufacturer

Tien Tai Electrode Co. Ltd.
Tainan, Taiwan

is found to comply with
DNV GL rules for classification – Ships

with this approval

Grade	3 YH10
Current	AC/DC(+)
Approved diameter	3.2 mm - 5.0 mm
Positions	All, incl. vertical downwards
Remarks	Also for fillet welding

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

This Certificate is valid until **2021-10-03**.

Issued at **Høvik** on **2016-10-04**

DNV GL local station: **Kaohsiung**

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.