

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Wire/Flux combination**with trade name
TSW-12KH/TF-210

Manufacturer

Tien Tai Electrode Co. Ltd.
Tainan, Taiwan

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	V Y42M(H5)
Current	AC/DC(+)
Approved diameter	2,4 mm - 4,8 mm
Positions	Flat
Remarks	

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.Issued at **Hamburg** on **2017-07-19**This Certificate is valid until **2022-07-18**.DNV GL local station: **Kaohsiung**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

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