

Job Id: **262.1-023104-1**
Certificate No: **TAW00001YG**

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TYPE APPROVAL CERTIFICATE

This is to certify:

That the Wire/Flux combination

with trade name

FAMILIARC US-43 (2x) / FAMILIARC PF-I50 / FAMILIARC PF-I50R

Manufacturer

Kobe Steel Ltd., Fukuchiyama Plant
Fukuchiyama Kyoto Pref, Japan

is found to comply with

DNV GL rules for classification – Ships

with this approval

Grade	III Y
Current	AC
Approved diameter	4.8 - 6.4mm
Positions	PA (1G)
Remarks	SAW-one-side welding with two wires on backing flux (FAMILIARC PF-I50R) welded in single run. Max. thickness 20mm

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

This Certificate is valid until **2021-06-30**.

Issued at **Hamburg** on **2016-09-02**

DNV GL local station: **Kobe**

for **DNV GL**

Approval Engineer: **Hans-Joachim Vogt**

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Thorsten Lohmann
Head of Section

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