



TYPE APPROVAL CERTIFICATE

Certificate no.:
TAW00000R0
Revision No:
4

This is to certify:

that the Flux Cored Wire/Gas combination

with trade name
DW-50 / M21

Manufacturer
Kobelco Welding of Qingdao Co., Ltd.
Qingdao, Shandong Province, China

is found to comply with
DNV rules for classification – Ships
DNV class programme DNV-CP-0069 – Type approval – Welding consumables

with this approval

Grade	III YMS(H5)
Current	DC(+)
Approved diameter	1.1 mm - 1.6 mm
Positions	All, including vertical downwards
Remarks	---

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

Issued at **Hamburg** on **2026-01-20**

This Certificate is valid until **2031-01-21**.

DNV local unit: **Qingdao NB & CMC**

Approval Engineer: **Christine Löll**

for **DNV**



Digitally Signed By:
Ludger Hachmöller
Location: **DNV Hamburg,**
Germany

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