

TYPE APPROVAL CERTIFICATE

Certificate no.:
TAW00000JM
Revision No:
3

This is to certify:

that the Flux Cored Wire/Gas combination

with trade name
DW-A50 / M21

Manufacturer

Kobelco Welding of Europe B.V.
HEERLEN, Netherlands

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	1.2 mm - 1.6 mm
Positions	All, incl. vertical downwards
Remarks	Test temp. -30°C

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

Issued at **Hamburg** on **2025-12-10**

This Certificate is valid until **2030-11-22**.

DNV local unit: **Netherlands CMC**

Approval Engineer: **Christine Löll**

for **DNV**



Digitally Signed By:
Martin Wenning
Location: **DNV Hamburg,**
Germany

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

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