



# TYPE APPROVAL CERTIFICATE

Certificate no.:  
**TAW00000R0**  
Revision No:  
**3**

## 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

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

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

Issued at **Hamburg** on **2025-06-10**

This Certificate is valid until **2026-01-21**.

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

Approval Engineer: **Dietmar Liebich**

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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