

# 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

<b>Grade</b>	<b>III YMS(H5)</b>
<b>Current</b>	<b>DC(+) 1.2 mm - 1.6 mm</b>
<b>Approved diameter</b>	<b>1.2 mm - 1.6 mm</b>
<b>Positions</b>	<b>All, incl. vertical downwards</b>
<b>Remarks</b>	<b>Test temp. -30°C</b>

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

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

for **DNV**

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

DNV local unit: **Netherlands CMC**

Approval Engineer: **Christine Löll**

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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