

# TYPE APPROVAL CERTIFICATE

**This is to certify:**

**That the Flux Cored Wire/Gas combination**

with trade name  
**DW-50 / C1**

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

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

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>Flat</b>
<b>Remarks</b>	

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

Issued at **Hamburg** on **2021-01-22**

for **DNV GL**

This Certificate is valid until **2026-01-21**.  
 DNV GL local station: **Qingdao NB & CMC**

Approval Engineer: **Ludger Hachmöller**

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**Thorsten Lohmann**  
**Head of Section**

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