

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Flux Cored Wire/Gas combination

with trade name
DW-110E / C1

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

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

with this approval

Grade	III YMS(H10)
Current	DC(+)
Approved diameter	1.2 mm - 1.4 mm
Positions	All, incl. vertical downwards; Flat, horizontal and vertical upwards for one-side welding
Remarks	Also for one-side welding with temporary backing FB-B3 (Kobe Steel Ltd.Ibaraki plant) Also for fillet welding

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**

Thorsten Lohmann
Head of Section

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