

# TYPE APPROVAL CERTIFICATE

## This is to certify:

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

with trade name  
**DW-60 / C1**

Manufacturer

**Kobe Steel, Ltd. Ibaraki Plant**  
**Ibaraki, Osaka Pef, Japan**

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

<b>Grade</b>	<b>III Y46MS</b>
<b>Current</b>	<b>DC(+)</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 GL.**

Issued at **Hamburg** on **2020-11-12**

for **DNV GL**

This Certificate is valid until **2025-12-31**.

DNV GL local station: **Kobe**

Approval Engineer: **Ludger Hachmöller**

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

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

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.

