

# TYPE APPROVAL CERTIFICATE

Certificate no.:  
**TAW00005S1**  
Revision No:  
**1**

## This is to certify:

that the Flux Cored Wire/Gas combination

with trade name  
**DW-N609S / C1**

Manufacturer

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

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>-MS</b>
<b>Current</b>	<b>DC(+)</b>
<b>Approved diameter</b>	<b>1.2 mm</b>
<b>Positions</b>	<b>Flat, horizontal and vertical upwards</b>
<b>Remarks</b>	<b>For welding of NV 1.5Ni up to NV 9Ni</b> <b>Impact test at -196°C average &gt; 34 Joule</b> <b>Also for fillet welding</b> <b>The min. yield strength of the weld metal 430 N/mm<sup>2</sup></b> <b>The min. tensile strength of the weld metal 690 N/mm<sup>2</sup></b>

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

Issued at **Hamburg** on **2024-07-03**

This Certificate is valid until **2029-05-28**.

DNV local unit: **Japan CMC**

Approval Engineer: **Dietmar Liebich**

for **DNV**



This document has been digitally signed and will  
therefore not have handwritten signature

Martin Wenning

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

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