



Certificate No:  
**TAW000059V**

# TYPE APPROVAL CERTIFICATE

## This is to certify:

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

with trade name  
**DW-309LP / M21**

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>NV 309L</b>
<b>Current</b>	<b>DC (+)</b>
<b>Approved diameter</b>	<b>1,2 mm - 1,6 mm</b>
<b>Positions</b>	<b>All, including vertical downwards</b>
<b>Remarks</b>	<b>---</b>

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

Issued at **Hamburg** on **2022-09-07**

for **DNV**

This Certificate is valid until **2027-09-06**.

DNV local station: **Kobe**

Approval Engineer: **Gabi Dau**

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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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