



Certificate No:
TAW00005FG

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Flux Cored Wire/Gas combination

with trade name
DW-N709SP / 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

Grade	- MS
Current	DC(+)
Approved diameter	1.2 mm
Positions	Flat, Vertical upwards
Remarks	For welding of NV 1.5Ni up to NV 9Ni Impact test at -196°C average value > 34 Joule Also for fillet welding The min. yield strength of the weld metal 430 N/mm²

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

Issued at **Hamburg** on **2023-06-07**

for **DNV**

This Certificate is valid until **2028-06-06**.

DNV local unit: **Japan FiS**

Approval Engineer: **Dietmar Liebich**

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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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