



Certificate No:  
**TAW000050M**

# TYPE APPROVAL CERTIFICATE

## This is to certify:

That the **Wire/Gas/Backing combination**

with trade name  
**MG-50D / C1 / FB-B3**

Manufacturer  
**Kobe Steel Ltd., Fukuchiyama Plant**  
**Fukuchiyama, Kyoto Pref, 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>IV Y40MS</b>
<b>Current</b>	<b>DC(+)</b>
<b>Approved diameter</b>	<b>1.2 mm - 1.6 mm</b>
<b>Positions</b>	<b>Flat, horizontal and vertical upwards</b>
<b>Remarks</b>	<b>One-side multi-run welding</b>

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

Issued at **Hamburg** on **2021-09-28**

for **DNV**

This Certificate is valid until **2026-09-27**.

DNV local station: **Kobe**

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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