



# TYPE APPROVAL CERTIFICATE

Certificate No:  
**TAW00002YM**  
Revision No:  
**1**

## This is to certify:

### That the Electrode

with trade name  
**J48.56Fe (J506Fe)**

Manufacturer

**Tianjin Golden Bridge Welding Materials Group Co., Ltd.**  
**Tianjin, China**

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>3 YH10</b>
<b>Current</b>	<b>AC/DC(+)</b>
<b>Approved diameter</b>	<b>2,5 mm - 5,0 mm</b>
<b>Positions</b>	<b>All, except vertical downwards</b>
<b>Remarks</b>	<b>Also for fillet welding</b>

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

Issued at **Hamburg** on **2022-02-22**

for **DNV**

This Certificate is valid until **2026-12-31**.

DNV local station: **Tianjin NB & CMC**

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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