

TYPE APPROVAL CERTIFICATE**This is to certify:****That the Electrode**

with trade name

J48.56 Fe-1 (J506Fe-1)

Manufacturer

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

is found to comply with

**DNV GL class programme DNVGL-CP-0069 – Type approval – Welding consumables
DNV GL rules for classification – Ships**

with this approval

Grade	4 YH5
Current	AC/DC(+)
Approved diameter	3,2 - 5.0 mm
Positions	All, except vertical downwards
Remarks	Also for fillet welding

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.Issued at **Hamburg** on **2018-04-06**for **DNV GL**This Certificate is valid until **2022-12-31**.DNV GL local station: **Dalian**Approval Engineer: **Dietmar Liebich**

**Thorsten Lohmann
Head of Section**

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

