



Certificate no.:
TAW0000650

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Wire/Gas combination

with trade name
TD-ER2209 / I1

Manufacturer

Shandong Tengda Special Steel Wire Technology Co., Ltd.
Zaozhuang, Shandong Province, China

is found to comply with

DNV rules for classification – Ships

DNV class programme DNV-CP-0069 – Type approval – Welding consumables

with this approval

Grade	-
Current	DC(-)
Approved diameter	1.0 mm - 3.2 mm
Positions	All, except vertical downwards
Remarks	For ferritic-austenitic (duplex) stainless steels UNS S31803 (1.4462) For tungsten inert gas welding (TIG) Also for fillet welding

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

Issued at **Hamburg** on **2026-03-03**

This Certificate is valid until **2031-03-02**.

for **DNV**

DNV local unit: **Qingdao NB & CMC**

Approval Engineer: **Ludger Hachmöller**

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

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