



Certificate No:
TAW00005CF

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Wire/Gas combination

with trade name
MIGAL.CO MA-5183 / I3

Manufacturer
MIGAL.CO GmbH
Landau a.d. Isar, Germany

is found to comply with
DNV rules for classification – Ships
DNV class programme DNV-CP-0069 – Type approval – Welding consumables

with this approval

Grade	5183
Current	AC
Approved diameter	2.4 mm - 5.0 mm
Positions	All, except vertical downwards
Remarks	For TIG welding of aluminium alloys 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 **2023-01-24**

for **DNV**

This Certificate is valid until **2028-01-23**.

DNV local unit: **Augsburg**

Approval Engineer: **Ludger Hachmöller**

Thorsten Lohmann
Head of Section

Any significant change in design or construction may render this Certificate invalid.
LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



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