

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Wire/Gas combination

with trade name
MANFISA M5183 / I1

Manufacturer
MANFISA WIRE, S.L.
Irurtzun, Navarra, Spain

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	DC (+)
Approved diameter	1.0 mm - 1.2 mm
Positions	All, except vertical downwards
Remarks	For MIG 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 **2023-01-25**

This Certificate is valid until **2028-01-24**.

for **DNV**

DNV local unit: **Area NB/CMC Iberia**

Approval Engineer: **Gabi Dau**

Thorsten Lohmann
Head of Section

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