



Certificate No:  
**TAW00005CG**

# 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

<b>Grade</b>	<b>5183</b>
<b>Current</b>	<b>DC (+)</b>
<b>Approved diameter</b>	<b>1.0 mm - 1.2 mm</b>
<b>Positions</b>	<b>All, except vertical downwards</b>
<b>Remarks</b>	<b>For MIG welding of aluminium alloys 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 **2023-01-25**

for **DNV**

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

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

Approval Engineer: **Gabi Dau**

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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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