

# TYPE APPROVAL CERTIFICATE

## This is to certify:

that the Wire/Gas combination

with trade name  
**TI 309L / I1**

Manufacturer

**Oerlikon Kaynak Elektrodleri ve Sanayi A.S.**  
**ISTANBUL, İstanbul, Türkiye**

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>NV 309 L</b>
<b>Current</b>	<b>DC(-)</b>
<b>Approved diameter</b>	<b>1.6 mm - 3.2 mm</b>
<b>Positions</b>	<b>All, including vertical downwards</b>
<b>Remarks</b>	<b>Impact energy min. 27 J at -20°C</b>

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

Issued at **Hamburg** on **2026-06-26**

This Certificate is valid until **2031-06-30**.

DNV local unit: **Istanbul**

Approval Engineer: **Ludger Hachmöller**

for **DNV**



Digitally Signed By:  
Martin Wenning  
Location: DNV Hamburg,  
Germany

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

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