



Certificate no.:
TAW0000657

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Wire/Flux/Backing Flux

with trade name
OE-SD3 1Ni¹/₄Mo / OP192

Manufacturer
Lincoln Electric Europe B.V.
Nuenen, Netherlands

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

with this approval

Grade	IV Y
Current	AC, DC(+)
Approved diameter	2.4 mm - 4.8 mm
Positions	Flat
Remarks	For one side welding on copper backing with backing flux OP192 One-run in tandem (2 wire) technique on plate thicknesses $t \leq 15$ mm Multi-run welding with single-wire and multi-wire (max. 3 wires) on plate thicknesses $t \leq 20$ mm Wire: Only valid for lot numbers starting with M1 Flux: Only valid for lot numbers starting with D1

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

Issued at **Hamburg** on **2026-04-10**

This Certificate is valid until **2031-04-09**.

for **DNV**

DNV local unit: **Essen**

Approval Engineer: **Ludger Hachmöller**

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