



Certificate no.:
TAW000063V

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Wire/Flux combination

with trade name

UP-101 NiMo1 / OP 132 (Lincoln Electric Europe B.V.)

Manufacturer

Hermann Fliess & Co. GmbH
Duisburg, Germany

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 Y50T H5

Current AC, DC(+)

Approved diameter 4.0 mm

Positions Flat

Remarks Multi-wire tandem welding in two-run technique (T)

Plate thickness $t \leq 25$ mm

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 **2026-01-06**

This Certificate is valid until **2030-12-31**.

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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