

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Electrode

with trade name
OK 48.50

Manufacturer
ESAB AB
Göteborg, Sweden

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

with this approval

Grade	3 YH5
Current	AC, DC(±)
Approved diameter	2.0 mm - 5.0 mm
Positions	All, except vertical downwards
Remarks	Also for fillet welding with diameter 3.2 mm - 5.0 mm Electrode: Only for lot numbers starting with SB

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

Issued at **Hamburg** on **2023-06-22**

This Certificate is valid until **2028-06-21**.

for **DNV**

DNV local unit: **Sweden CMC**

Approval Engineer: **Dietmar Liebich**

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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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