

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Electrode**

with trade name
OK 33.80

Manufacturer

ESAB INDUSTRIA E COMERCIO LTDA
Contagem MG, Brazil

is found to comply with
DNV GL rules for classification – Ships

with this approval

Grade	2
Current	AC , DC +
Approved diameter	3,25 - 6,0mm
Positions	PA (1G)
Remarks	---

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

This Certificate is valid until **2021-12-11**.

Issued at **Hamburg** on **2016-12-12**

DNV GL local station: **Rio de Janeiro, CMC**

Approval Engineer: **Dietmar Liebich**

for **DNV GL**

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Thorsten Lohmann
Head of Section

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