

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Electrode

with trade name
AS R-143

Manufacturer

KAYNAK TEKNIGI SANAYI VE TICARET A.S.
KOCAELI, Turkey

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

with this approval

Grade	2
Current	AC, DC-
Approved diameter	2.0 - 5.0mm
Positions	All, except vertical-down
Remarks	---

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

This Certificate is valid until **2021-06-30**.

Issued at **Hamburg** on **2016-08-16**

DNV GL local station: **Istanbul**

Approval Engineer: **Hans-Joachim Vogt**

for **DNV GL**

Thorsten Lohmann
Head of Section

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