

# TYPE APPROVAL CERTIFICATE

Certificate No:  
**TAW000024A**  
Revision No:  
**1**

## This is to certify:

### That the Electrode

with trade name  
**Z-44**

Manufacturer

**Kobe Steel Ltd. Saijo Plant**  
**Higashi-hiroshima, Hiroshima, Japan**

is found to comply with

**DNV GL rules for classification – Ships**

**DNV GL class programme DNVGL-CP-0069 – Type approval – Welding consumables**

with this approval

Grade	<b>3</b>
Current	<b>AC/DC(±)</b>
Approved diameter	<b>2,6 mm - 6,0 mm</b>
Positions	<b>All, except vertical downwards</b>
Remarks	<b>---</b>

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

Issued at **Hamburg** on **2021-09-13**

for **DNV**

This Certificate is valid until **2026-09-14**.

DNV local station: **Kobe**

Approval Engineer: **Dietmar Liebich**

**Thorsten Lohmann**  
**Head of Section**

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

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