

**TYPE APPROVAL CERTIFICATE****This is to certify:****That the Flux Cored Wire/Gas/Backing combination**with trade name  
**DW-55LSR / C1 / FB-B3**Manufacturer  
**Kobe Steel, Ltd. Ibaraki Plant**  
**Ibaraki, Osaka Pef, 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

<b>Grade</b>	<b>V Y42(H5)</b>
<b>Current</b>	<b>DC(+)</b>
<b>Approved diameter</b>	<b>1.2 mm - 1.4 mm</b>
<b>Positions</b>	<b>Flat, horizontal and vertical upwards</b>
<b>Remarks</b>	<b>Also for VL 2-4L and VL 4-4L</b> <b>Test temp. -68°C (≥47J) for AW condition</b> <b>Test temp. -60°C (≥47J) for PWHT condition</b>

**Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.**Issued at **Hamburg** on **2020-11-19**for **DNV GL**This Certificate is valid until **2025-12-31**.DNV GL local station: **Kobe**Approval Engineer: **Ludger Hachmöller**

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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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