

# TYPE APPROVAL CERTIFICATE

**This is to certify:**

**That the Metal Cored Wire/Gas combination**

with trade name  
**CSM-70C / M21**

Manufacturer  
**CHOSUN WELDING CO., LTD.**  
**ULSAN, Republic of Korea**

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>III YMS(H5)</b>
<b>Current</b>	<b>DC(+)</b>
<b>Approved diameter</b>	<b>1.2 mm - 1.6 mm</b>
<b>Positions</b>	<b>Flat</b>
<b>Remarks</b>	<b>Also for fillet welding in horizontal position</b>

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

Issued at **Hamburg** on **2018-08-23**

This Certificate is valid until **2023-08-22**.  
DNV GL local station: **Ulsan**

Approval Engineer: **Ludger Hachmöller**



for **DNV GL**

Digitally Signed By: Wildhagen, Christian  
Location: DNV GL Hamburg, Germany  
Signing Date: 23.08.2018, on behalf of

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

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

