

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Wire/Gas combination

with trade name
Cryoshield 316L / M21

Manufacturer
ESAB Seah Corp.
Changwon-si, Gyeongsangnam-do, 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

Grade	VL 316 L
Current	DC(+)
Approved diameter	1.2 mm - 1.6 mm
Positions	All, including vertical downwards
Remarks	Impact test at -196°C average value > 34 Joule

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

Issued at **Hamburg** on **2018-08-20**
This Certificate is valid until **2023-08-19**.
DNV GL local station: **Gimhae Station**
Approval Engineer: **Hans-Joachim Vogt**

for **DNV GL**

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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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