



APPROVAL IN PRINCIPLE

Particulars of Product

Designer: **Sleipner Motor AS, Fredrikstad, Norway**
Product: **Thruster retract composite housing SR Ø250 and Ø300**

This is to verify:

That the containment system has been assessed by DNV and found to comply with current Rules of the Society, as specified below.

DNV rules for Classification -Ships
DNV rules for Classification -High Speed and Light Craft
DNV rules for Classification -Yacht

Basis for Approval

The documentation specified in letter [M-SA-FBG-D41513-6], dated [2020-09-23], has been assessed with respect to:

The retract housing SR Ø250 and SR Ø300 is accepted for maximum pressure up to 80 kN/m² with a Safety Factor of 3 on the ultimate strength evaluated by a structural plan review and a physical test attended by a DNV Surveyor.

Type Approval documentation

Title	Drawing no	Revision
Test report Pressure test DNV GL AiP SR Ø250 Ø300	300621TT01	01
Housing for SRV Ø250	SM-119977	A
Cutting geometry SRV 250	SM159440	A
Housing for SRV 300	SM-108593	D
Cutting geometry SRV 300	SM160188	A

Conditions and Assumptions for Approval

The conditions for approval in principle are given in letter [M-SA-LH-261C-1], dated [2021-08-10].

All Raw Materials of the Housing Structure need to be DNV Class approved.

Before construction and installation onboard any particular ship or object subject to classification, a complete set of documentation relevant for the particular ship is to be approved by the Society according to normal classification procedures.

Place: **Hamburg** Date: **(2021-11-04)**

for **DNV**

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Andree Orth
Head of Section

