

CERTIFICATE OF CONFORMITY

- EC (MODULE G)

Certificate No:
MEDG00000T5

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV AS under the authority of the Government of Norway.

This is to certify:

That the Launching appliances using falls (davits) / Winches for survival craft and rescue boats: (d) rescue boats

with type designation and serial number
HLT 3500 w/winch HLW 3500 - Davit: 21711-14 Winch: 3445312

Issued to

TTS Offshore Solutions AS
Blomsterdalen, Norway

is, by design assessment and product verification, found to comply with

Regulation (EU) 2021/1158,

item No. MED/1.21. SOLAS 74 as amended, Regulation III/4, III/23, III/33, III/34 & X/3, LSA Code and 2000 HSC Code 8

item No. MED/1.41d. SOLAS 74 as amended, Regulation III/4, III/16, III/17, III/23, III/34, X/3, LSA Code and 2000 HSC Code

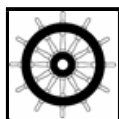
USCG Approval No: **N/A**

Further details of the equipment and conditions for certification are given overleaf.

Issued at **Høvik** on **2022-04-28**

DNV local station:
Norway Fleet in Service, West

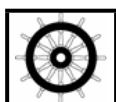
Approval Engineer:
Mats Asvald Innstø



Notified Body
No.: **0575**

for **DNV AS**

Sverre Olav Bergli
Head of Notified Body



0575/yyyy

0575: Notified Body number undertaking quality surveillance
yyyy: The year in which the mark is affixed



The product liability tests with the manufacturer or his representative in accordance with Directive 2014/90/EU. This certificate remains valid unless suspended, withdrawn, recalled or cancelled, provided this equipment is not modified without the acceptance of the notified body named herein.

This certificate authorises the manufacturer to affix the "Mark of Conformity" (wheelmark) to the product described herein.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Product description

Launching appliance for life saving

- Davit and winch with Maximum Working Load, MWL = 3 500 kg

Application/Limitation

- Grades of materials as stated on drawings are to be delivered with maker's product certificates (3.1).
- The various components transferring the load like wires, shackles, hooks, etc. are to comply with international standard or code and are to be delivered with manufacturer's certificate, confirming a safety factor minimum 6 compared to the sustained load.
- Falls to be used with the launching appliance shall be of rotation-resistant and corrosion-resistant steel wire rope.
- Installation, on-board testing (MSC.81(70) part.2), support to the deck structure, and connection to power supply are not included in this examination and shall be accepted by attending surveyor in each case.

Type Examination documentation

<u>Drawing No.</u>	<u>Rev.</u>	<u>Title(s)</u>
21711	1	User Manual
21711-P1010-03-G0004	5	General Arrangement Drawing
21711-TTS-L-XA-0003	5	Hydraulic Diagram
AE87501	1	Gear frame
AE87506	3	Drum frame
AE87521	2	Drum
AE87697	1	Wire Sheave
AE87698	2	Rope pulley
AE87747	1	Round Bar
AE87775	1	Plate
AE87776	1	Shaft
AE89128	2	Telescope
AE90578	4	Foundation
AF10284	1	Trust washer
AF14702	3	Main Head
AF16323	3	Winch Assembly
21711-13-TTS-E-LA-0002	2	EI Documentation
AF28965/AF28989	-	Wire rope with socket and lifting ring
21711-13-TTS-Z-LA-0001	1	List of certificates



Job Id: **344.1-010221-1**
Certificate No: **MEDG00000T5**

Tests carried out

Prototype tested in accordance with IMO Resolution MSC.81(70) Part 1.

<u>Description</u>	<u>Report</u>	<u>Date(s)</u>	<u>Witnessed by</u>
Prototype test	MSC/Circ.980 Add.2	2020-12-02	DNV Gdansk, Poland

Marking of product

Marking shall be implemented in accordance with the LSA Code, item 1.2.2.9 and the Directive:

- Type designation, manufacturer name and serial number
- Maximum Working Load, MWL

END OF CERTIFICATE