

CERTIFICATE OF CONFORMITY - EC (MODULE G)

Certificate No:
MEDG000001S

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive (EU) 2015/559, issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Directorate. This Certificate is issued by DNV GL AS under the authority of the Government of the Kingdom of Norway.

This is to certify:

That the Fast rescue boat launching appliances

with type designation and serial number
NPDS 3500H FR - 144525, 151108, 151109

Issued to

Harding Safety AS
Seimsfoss, Norway

is, by design assessment and product verification, found to comply with
Annex A.1, item No. A.1/1.25 and Annex B, Module G in the Directive; SOLAS 74 as amended, Regulation III/4, III/26 & III/34, LSA Code and IMO MSC/Circ. 809

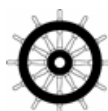
USCG Approval No: **N/A**

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

Issued at **Høvik** on **2016-09-12**

DNV GL local station:
Stord

Approval Engineer:
Xiao Long Eric Song



Notified Body
No.: **0575**

for **DNV GL AS**

Vidar Dolonen
Head of Notified Body

Product description

Rescueboat Davit with;

- Maximum Working Load, MWL = 3350kg

Application/Limitation

- Grades of materials as stated on drawings are to be delivered with makers 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, onboard 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

Drawing No.	Rev	Title
		NPDS_Sticker
NPDS3500HH-EL-DWG-012-		Hydraulic davit electrical wiring diagram
NPDS3500HH-HHD-DWG-		NPDS 3500H - HST Hydraulic system manual
I-1078-100_Bottom	06	Steel assembly NPDS 3500H
I-1078-100_Bottom_weldings	06	Steel assembly NPDS 3500H
I-1078-100_Top	06	Steel assembly NPDS 3500H
I-1078-100_Top_weldings	06	Steel assembly NPDS 3500H
I-1078-112-00	06	Mounting pin (top sheave) NPDS 3500H
I-1078-121	06	Hatch assembly (top) NPDS 3500H
I-1078-131	06	Cover plate (oil tank filter) NPDS 3500H
I-1078-133	06	Cover plate (oil tank cap) NPDS 3500H
I-1078-134	06	Cover plate (top) NPDS 3500H
I-1078-159	06	Back hatch assembly (top) NPDS 3500H
I-1078-160	06	Side hatch assembly NPDS 3500H
I-1078-186	06	Ring for mounting pin (bottom sheave) NPDS 3500H
I-1078-198	06	Cylinder hatch NPDS 3500H
I-1078-213	06	Cover plate NPDS 3500H
I-1078-216	06	Cylinder hinge sealing rubber NPDS 3500H
I-1078-239	06	Cylinder hinge sealing assembly NPDS 3500H
I-1078-240	06	Cylinder hinge sealing rubber NPDS 3500H
I-1078-245	06	Fenderlist bracket assembly NPDS 3500H
I-1078-249	06	Rubber sealing (oil tank) NPDS 3500H
I-1078-250	06	Back hatch assembly (lower) NPDS 3500H
I-1078-254-00	06	Roller NPDS 3500H
I-1078-300_Shockdamp	06	General assembly NPDS 3500H
I-1078-400	06	Cylinder hinge assembly NPDS 3500H
I-1078-404	06	Ring for mounting pin (cylinder) NPDS 3500H
I-1078-407-00	06	Mounting pin (cylinder) NPDS 3500H
I-1078-450	06	Aluminium cylinder hinge NPDS 3500H
I-1078-500	06	Foot hinge assembly NPDS 3500H

Job Id: **344.1-001832-81**
Certificate No: **MEDG000001S**

I-1078-504-00	06	Mounting pin (foot hinge) NPDS 3500H
I-1078-550	06	Aluminium foot hinge assembly NPDS 3500H
I-1078-600	06	Chock damp general assembly NPDS 3500H
I-1078-601-00	06	Mounting pin (bottom sheave) NPDS 3500H
I-1078-604-00	06	Mounting pin top (shock absorber) NPDS 3500H
I-1078-614-00	06	Mounting pin bottom (shock absorber) NPDS 3500H
I-1078-615	06	Shock damp steel assembly NPDS 3500H
I-1078-616	06	Ring for mounting pin (shock absorber, bottom)
I-1078-700	06	End stop ring assembly NPDS 3500H
I-1078-900	06	Skid NPDS 3500H
I-1078-939	06	Limit switch weight NPDS 3500H
I-1078-965	06	FRB 700 boat support frw NPDS 3500H
I-1078-970	06	FRB 700 boat support aft NPDS 3500H
I-1078-985	06	Manual emergency guide NPDS 3500H
I-1078-997	06	Adaptor plate form manual valves NPDS 3500H
S-1078-104	06	Foot support NPDS 3500H
S-1078-106	06	Rubber for cable protection NPDS 3500H
S-1078-115	06	Accumulator clamp ø91mm NPDS 3500H
S-1078-120	06	Accumulator clamp ø175mm NPDS 3500H
S-1078-125	06	Support for hydraulic splitter NPDS 3500H
S-1078-128	06	End stop fixture NPDS 3500H
S-1078-130	06	Support for hydraulic splitter NPDS 3500H
S-1078-150	06	Hand pump handle NPDS 3500H
S-1078-170	06	Scanco 5560 30 NPDS 3500H
S-1078-180	06	Scanco 7080 55 NPDS 3500H
S-1078-190	06	Mounting plate for hydraulic block NPDS 3500H
S-1078-991	06	Fender list NPDS 3500H
12043-CR-00	00	12043 Harding NPDS 3500H Calculation Report
	00	NPDS-3500 Ansys calculation
I-1078-000-AC5200444	00	General Arrangement NPDS 3500H
I-1078-AC5200444	05	NPDS 3500H General Assembly 09023 NPDS 3500H
S-1078-993	06	Remote control cover box NPDS 3500H

Tests carried out

Prototype testing according to IMO Resolution MSC 81(70) carried out 2016-07-14 and witnessed by DNV GL Gdynia.

Marking of product

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

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

The Mark of Conformity shall include DNV Notified Body number and the last two digits of the production year.

END OF CERTIFICATE