

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:
MEDB00000A1
Revision No:
5

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 GL AS under the authority of the Government of Norway.

This is to certify:

That the Release mechanism for lifeboats and rescue boats (launched by a fall or falls)

with type designation(s)
DIB125

Issued to
Norsafe AS
FÆRVIK, Norway

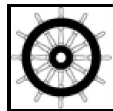
is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2018/773**,
item No. MED/1.26a. SOLAS 74 as amended, Reg. III/4, III/16, III/34 & X/3, LSA Code and 2000 HSC Code 8

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

This Certificate is valid until **2024-05-21**.

Issued at **Høvik** on **2019-05-22**

DNV GL local station:
Kristiansand S



Notified Body
No.: **0575**

Approval Engineer:
Xiao Long Eric Song



for **DNV GL AS**
Digitally Signed By: Matteucci, Aldo

Location: DNV GL Høvik, Norway
on behalf of

Roald Vårheim
Head of Notified Body

A U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (module D, E or F), as allowed by the "Agreement between the United States of America and the EEA EFTA states on the mutual recognition of Certificates of Conformity for Marine Equipment" signed 17 October 2005.

The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU.

This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV GL AS of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled. Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.



Job Id: **344.1-004763-5**
Certificate No: **MEDB00000A1**
Revision No: **5**

Product description

Release hook with;

- Safe Working Load:
SWL = 125kN – without brackets
SWL = 100kN – with standard brackets
(ref. drg. no. 3901-S10T-125- 000 and 3901-S10T-125- 001)
SWL = 125kN – with standard brackets (ref. drg. no. 3901-S12T-125-000)
- Type/Name of Water sensor : see below documentation
- Type/Name of Release handle device : ref. 'Nadiro Drop-in-Ball DIB 125 User Manual'

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 standards or codes and are to be delivered with manufacturer's certificate, confirming a safety factor minimum 6 compared to the sustained load.
- Installation, onboard testing (MSC.81(70) part.2), support to the boat 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./Date	Title
457001	b	DIB125 Solas Assembly
457004	0	DIB125 Cylinder Assembly
457007	a	DIB125 Piston Assembly
457008	0	DIB125 SOLAS GA
457101	a	DIB125 Housing Cast
457102	d	DIB125 Housing Machined
457103	a	DIB125 Ball With Eye Connection
457105	b	DIB125 Plunger Machined
457106	0	DIB125 Pawl Cast
457107	Ab	DIB125 Pawl Machined
457108	0	DIB125 Cylinder Cast
457109	0	DIB125 Cylinder Machined
457110	a	DIB125 Piston (Rod)
457112	a	DIB125 Piston Head
457113	b	DIB125 Pinshaft For Pawl
457901	0	DIB125 Solas Hydraulic Diagram
455080	b	DIB E schematic (electric diagram)
1040-13-001	A	Watersensor Housing
3901-S10T-125-000	0	Standard 10t DIB125 br. Pl. Parameters
3901-S10T-125-001	0	DIB125 S10t br pl bending parameters
3901-S12T-1215-000	0	Std DIB125 br pl 12.5ton parameters
3901-S12T-1215-Test	-	Std DIB125 br pl 12.5ton test

Job Id: **344.1-004763-5**
Certificate No: **MEDB00000A1**
Revision No: **5**

3901-Test-1215-801	-	Std DIB125 br pl 10ton test
BAR-3901-STB-125	0	Standard installation brackets
STDB-3901-S12T-125-123	0	12,5t Standard installation brackets DIB125
-	-	Nadiro Drop-in-Ball DIB 125 User Manual
1142	0	Structural calculation of drop-in-ball system - DIB125
-	-	Bedia CLS 5x Sensor
-	-	Vegaswing 51 Specification
457901	Aa	DIB125 Solas Hydraulic Diagram Technical specs - HPU components
	01.12.2016	Electric HPU DIB 32-75-125 data sheet - 24V version
	01.12.2016	Electric HPU DIB 32-75-125 data sheet - 12V version
	01.12.2016	DIB 32-75-125 electrical pump description
459902	0	DIB 32-75-125 EI schematic HPU

Tests carried out

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

<u>Description</u>	<u>Date(s)</u>	<u>Witnessed by:</u>
Initial prototype test	2015-09-28 2015-10-01 2015-10-06 2016-03-09	DNV GL Fredericia, Denmark
Functional test with electric HPU	2016-12-08	DNV GL Fredericia, Denmark

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, SWL

END OF CERTIFICATE