

# EC-TYPE EXAMINATION CERTIFICATE

Application of: Council Directive 96/98/EC of 20 December 1996 on Marine Equipment as amended by directive 2014/93/EU, 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 Launching appliances for free-fall lifeboats**

with type designation(s)  
**NPT 100DF**

Issued to

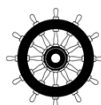
**Jiangyin Neptune Marine Appliance Co., Ltd.**  
**Jiangyin City, China**

is found to comply with the requirements in the following Regulations/Standards:

**Annex A.1, item No. A.1/1.23 and Annex B in the Directive. SOLAS 74 as amended, Regulation III/4, III/16, III/23, III/33, III/34 & X/3, LSA Code and 2000 HSC Code 8**

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

**Høvik, 2015-11-10**  
for **DNV GL AS**



This Certificate is valid until  
**2020-11-04**

Notified Body No.: **0575**

-----  
**Vidar Dolonen**  
**Head of Department**

DNV GL local office:  
**Nanjing**

-----  
**Xiao Long Eric Song**  
**Surveyor**

## Product description

- Free-fall launching appliance with:
- Maximum Working Load, MWL = 110 kN
  - Recovery: Max. 3 crew in lifeboat

## 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

(Ref. approval MNBNA375/NATAS/344.1-002060-J-9 of 2009-10-22)

| <b>Drawing No.</b> | <b>Rev.</b>   | <b>Title</b>                                          |
|--------------------|---------------|-------------------------------------------------------|
| NPT100DF-02        | 2009-08-21(0) | Operation/maintenance manual                          |
| NPT100DF-03        | 2009-08-21(0) | Design calculation sheet                              |
| NPT100DF-04        | 2009-08-21(0) | Test item                                             |
| NPT100DF-05        | 2009-08-21(0) | Physicochemical properties of material for main parts |
| NPT100DF-06        | 2009-08-21(0) | General Arrangement                                   |
| NPT100DF-07        | 2009-08-21(0) | Pivot                                                 |
| NPT100DF-07-01     | 2009-08-21(0) | Shaft sleeve                                          |
| NPT100DF-07-02     | 2009-08-21(0) | Shaft                                                 |
| NPT100DF-07-03     | 2009-08-21(0) | Bush                                                  |
| NPT100DF-07-05     | 2009-08-21(0) | Base                                                  |
| NPT100DF-08        | 2009-08-21(0) | Hydraulic Winch                                       |
| NPT100DF-08-01     | 2009-08-21(0) | Transmission unit                                     |
| NPT100DF-08-01-02  | 2009-08-21(0) | Bush                                                  |
| NPT100DF-08-01-03  | 2009-08-21(0) | Shaft                                                 |
| NPT100DF-08-01-04  | 2009-08-21(0) | Drum                                                  |
| NPT100DF-08-01-06  | 2009-08-21(0) | Frame                                                 |
| NPT100DF-08-02     | 2009-08-21(0) | Base                                                  |
| NPT100DF-09        | 2009-08-21(0) | Hydraulic unit                                        |

Job Id: **344.1-002060-7**  
Certificate No: **MEDB00000C9**

|                   |               |                     |
|-------------------|---------------|---------------------|
| NPT100DF-10       | 2009-08-21(0) | Stop plate          |
| NPT100DF-11       | 2009-08-21(0) | Davit arm           |
| NPT100DF-11-01    | 2009-08-21(0) | Block               |
| NPT100DF-11-01-02 | 2009-08-21(0) | Shaft               |
| NPT100DF-11-02    | 2009-08-21(0) | Connect plate       |
| NPT100DF-12       | 2009-08-21(0) | Lashing unit        |
| NPT100DF-13       | 2009-08-21(0) | Slide way           |
| NPT100DF-13-01    | 2009-08-21(0) | "H" Connect beam    |
| NPT100DF-13-02    | 2009-08-21(0) | Guider roller       |
| NPT100DF-13-03    | 2009-08-21(0) | Connect beam(1)     |
| NPT100DF-13-04    | 2009-08-21(0) | Connect beam(2)     |
| NPT100DF-13-05    | 2009-08-21(0) | Connect beam(3)     |
| NPT100DF-14       | 2009-08-21(0) | Middle cross beam   |
| NPT100DF-15       | 2009-08-21(0) | Davit arm support   |
| NPT100DF-16       | 2009-08-21(0) | Release hook        |
| NPT100DF-16-01    | 2009-08-21(0) | Gripping chain      |
| NPT100DF-16-02    | 2009-08-21(0) | Gripping block base |
| NPT100DF-16-03    | 2009-08-21(0) | Aft lashing unit    |
| NPT100DF-16-03-01 | 2009-08-21(0) | Plate               |
| NPT100DF-16-03-02 | 2009-08-21(0) | Ring                |
| NPT100DF-17       | 2009-08-21(0) | Floating beam       |
| NPT100DF-17-03    | 2009-08-21(0) | Trackle frame       |
| NPT100DF-17-04    | 2009-08-21(0) | Shaft               |
| NPT100DF-17-05    | 2009-08-21(0) | Tackle              |
| NPT100DF-18       | 2009-08-21(0) | Boat fall unit      |
| NPT100DF-18-01    | 2009-08-21(0) | Tackle(1)           |
| NPT100DF-18-01-01 | 2009-08-21(0) | Tackle Body         |
| NPT100DF-18-01-02 | 2009-08-21(0) | Shaft               |
| NPT100DF-18-01-04 | 2009-08-21(0) | Tackle              |
| NPT100DF-18-02    | 2009-08-21(0) | Tackle(2)           |
| NPT100DF-18-02-01 | 2009-08-21(0) | Tackle body(2)      |
| NPT100DF-18-02-02 | 2009-08-21(0) | Shaft               |
| NPT100DF-18-03    | 2009-08-21(0) | Block               |
| NPT100DF-18-03-01 | 2009-08-21(0) | Tackle body         |
| NPT100DF-18-04    | 2009-08-21(0) | Stop rod            |
| NPT100DF-18-04-01 | 2009-08-21(0) | Frame               |
| NPT100DF-18-04-03 | 2009-08-21(0) | Shaft               |

Job Id: **344.1-002060-7**  
Certificate No: **MEDB00000C9**

|                   |               |                                |
|-------------------|---------------|--------------------------------|
| NPT100DF-18-05    | 2009-08-21(0) | Frame                          |
| NPT100DF-18-05-01 | 2009-08-21(0) | Frame                          |
| NPT100DF-18-05-02 | 2009-08-21(0) | Shaft                          |
| NPT100DF-19       | 2009-08-21(0) | Pump system                    |
| NPT100DF-20       | 2009-08-21(0) | Hydraulic system               |
| NPT100DF-21-01    | 2009-08-21(0) | Electric & Connection diagram  |
| NPT100DF-21-02    | 2009-08-21(0) | Overall diagram of control box |
| NPT100DF-22       | 2009-08-21(0) | Operation plate                |
| NPT100DF-16-03-03 | 2009-08-21(0) | Plate                          |

### Tests carried out

Testing according to IMO MSC 81 (70) carried out 2009-12-14, witnessed by DNV Nanjing.

### 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

### Mark of Conformity

The manufacturer is allowed to affix the Mark of Conformity according to Article 11 in the Council Directive 96/98/EC on Marine Equipment and shall issue a Declaration of Conformity, only when the module D or E or F of Annex B in the same directive is fully complied with.

Module D: The quality system for production and testing shall be approved by the Notified Body.

Module E: The quality system for inspection and testing shall be approved by the Notified Body.

Module F: Compliance of the products to type as described in this EC Type-Examination Certificate must be verified by the Notified Body who also shall issue a Certificate of Conformity.

### END OF CERTIFICATE