

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

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 Winches for survival craft and rescue boats: free-fall lifeboats

with type designation(s)
IYJ2.53-40-57-18-ZPN

Issued to

Ini Hydraulic Co., Ltd
Ningbo, China

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2018/773**,
item No. MED/1.41b. SOLAS 74 as amended, Regulation III/4, III/16, III/17, III/23, III/24, III/34, X/3, LSA Code and 2000 HSC Code

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

This Certificate is valid until **2023-08-05**.

Issued at **Høvik** on **2018-08-06**

DNV GL local station:
Ningbo

Approval Engineer:
Paulo Correia



Notified Body
No.: **0575**

for **DNV GL AS**

Roald Vårheim
Head of Notified Body



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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.



Product description

Frefall lifeboat winch with:
Maximum Working Load, MWL = 40kN
Maximum Hoisting Load, MHL = 40kN (3 layers)

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, 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 TNANO375/SORLA/344.1-003893-J-11 of 15.03.2013 - Winch IYJ2.53-40-57-18-ZPN

J02.53233W	2	FREE FALL LIFEBOAT
J02.53233	21.08.2012	FREE FALL LIFEBOAT WINCH
J02.53233-1	21.08.2012	FRAME
J02.53233-2	21.08.2012	Drum (312x481.95)
J00301-101	21.08.2012	IYJ Support Shaft
KC02.5309	21.08.2012	Gearbox
KC02.5309-102	21.08.2012	Housing 3x72
KC02.5309-103	21.08.2012	Center Gear 2.5x18
KC02.5309-107	21.08.2012	Housing 2.5x72
KCD02.52.501-104	21.08.2012	Planet Gear 2.5x26
C03301-108	21.08.2012	C33-3G Planet Gear
KC02.5309-105	21.08.2012	Center Gear 3x24
LM001-106	21.08.2012	STATIC BRAKE
LM001-107	21.08.2012	DYNAMIC BRAKE

Tests carried out

Prototype testing according to IMO Resolution MSC 81(70) carried out 2013-07-15 and witnessed by DNVGL Ningbo.

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