

**EC-TYPE EXAMINATION  
CERTIFICATE (MODULE B)**

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV GL SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

**This is to certify:**

That the Line-throwing appliances

with type designation(s)  
JHT-4

Issued to

**Huahai Marine Signals Manufacturing Co., Ltd.  
Haimen, 100, China**

is found to comply with the requirements in the following Regulations/Standards:  
Regulation (EU) 2019/1397,

item No. MED/1.11. SOLAS 74 as amended, Regulation III/4, III/18, III/34 & X/3, LSA Code and 2000 HSC Code 8

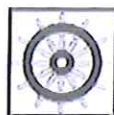
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2024-11-20**.

Issued at **Hamburg** on **2019-11-21**

DNV GL local station:  
**Nantong**

Approval Engineer:  
**Roland Priebe**



Notified Body  
No.: 0098

for DNV GL SE

**Gerhard Aulbert**  
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 European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment", signed February 27th, 2004.

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 SE 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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: 344.1-009822-1  
Certificate No: MEDB00005XU

### **Product description**

JHT-4 is a line throwing appliance. The hand-held unit is composed of a rectangular plastic container with handle and is containing a steel cased projectile with cartridge, the release mechanism and a 270 m long and 5 mm thick nylon line.

Design weight: 3.1 kg

### **Application/Limitation**

Approved for use as Line-throwing appliances onboard ships.

Acceptable lifetime: Expiration date not to exceed 48 month after month of manufacture.

The design assessment is based on IMO Res. MSC.48(66), as amended by IMO Res. MSC.207(81) and IMO Res. MSC.218(82).

Production and installation testing shall be carried out according to IMO Res. MSC.81(70), Part 2, Ch.4.

### **Type Examination documentation**

Test report from GL Nantong dated 2013-07-30.  
Technical drawings JHT-4-00 – JHT-4-21.

This certificate is based on the previous MED-B 13617-14 HH dated 2014-11-20.

### **Tests carried out**

Tests are documented in accordance with recommendation on testing of Lifesaving Appliances, IMO Res. MSC.81(70) Part 1.

### **Marking of product**

The product is to be marked with name and address of manufacturer, type designation, date of manufacture, date of expiry, operational restrictions, Mark of Conformity and USCG number.

The product should be provided with brief instructions or diagrams clearly illustrating the use printed on the casing.