

Marine & Offshore

Attestation number: 180GTB19

The continuation sheet(s) form(s) part of the attestation.

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ATTESTATION FOR RELEASE UNIT

Applicant : C M HAMMAR AB (V:a Frölunda - SWE)
Specifications : CM Hammars test procedure for lifebuoy

release system

Product description : Lifebouy release system

Quantity: 1 set

Particulars of products as declared by the applicant:

Manufacturer: C M HAMMAR AB (V:a Frölunda - SWE)Type: HAMMAR LIFEBUOY RELEASE SYSTEM

Drawing number & revision: A001047 Rev. 1Type Approval MRU: 07493/F0 MEDType Approval ERU: 07495/E1 BV

Enclosures / Remarks :

At the request of the applicant identified here above, this is to attest that the interventions as described in the subsequent page(s) were carried out with satisfactory results and within the scope of the General Conditions of Bureau Veritas Marine & Offshore

Marking : None

Last attendance date: 26 Apr 2019
Surveyor: Magne MOLLER

Mayer Ho

Issuance date: 16 May 2019

Office : BV GOTHENBURG



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The continuation sheet(s) form(s) part of the attestation.

SCOPE OF INTERVENTION

Test Procedure:

The lifebuoy was released by the following methods:

- Manually by removing the locking pin.
- From a remote position by using a HAMMAR MRU release unit.
- From a remote position by using a HAMMAR ERU release unit.
- From a remote position by using a HAMMAR ERU release unit at 10° inclination inwards ship.

Temperature: Room temperature about 20-22°C.

Tests was witnessed to satisfaction.



TEST OF HAMMAR LIFEBUOY RELEASE SYSTEM

DESCRIPTION:

The HAMMAR LIFEBUOY RELEASE SYSTEM is a system designed for remote release of a lifebuoy from ship or vessel. The lifebuoy is placed in a holder on the bridge wing or at another suitable location onboard. The lifebuoy is restrained in its holder by a Polyester Silk rope. The rope is put under tension by the force from a strong spring.

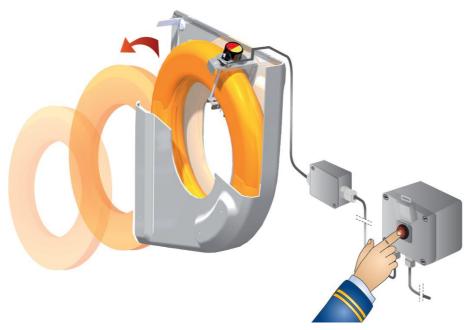
The lifebuoy can be released by two different methods:

- Locally by manually removing a locking pin releasing the rope lashing for the lifebuoy.
- From a remote position by using HAMMAR MRU or a HAMMAR ERU. The HAMMAR release unit cuts the lashing rope for the lifebuoy.

Type approval for HAMMAR ERU, BUREAU VERITAS Certificate No: 07493/F0 MED, Attached to this document.

Type approval for HAMMAR MRRS, BUREAU VERITAS Certificate No: 07495/E1 BV Attached to this document.

Drawing, LIFEBUOY RELEASE BRACKET, Draw. No A001047 – rev 1, Attached to this document.



LIFEBUOY RELEASE SYSTEM with ERU electric release unit









Detailed view of a MRU electronic unit

TEST PROCEDURE:

The lifebuoy was released by the following methods:

Manually by removing the locking pin.

From a remote position by using a HAMMAR MRU release unit.

From a remote position by using a HAMMAR ERU release unit.

From a remote position by using a HAMMAR ERU release unit at 10° inclination inwards ship.

Temperature: room temperature about 20 – 22 DegC.

RESULT:

The result of the test was satisfactory.

Gothenburg 2019-04-26

Signed by: Magne Möller

Marine Surveyor

Bureau Veritas Marine & Offshore