

EC Type-Examination (module B) Certificate

Directive on Marine Equipment Certificate No.: 0200-MarED-001 version 5

This is to certify that: FORCE Certification A/S did undertake the relevant type approval procedures for the type of equipment identified below which was found to be in compliance with the requirements of Marine Equipment Directive (MED) 2014/90/EU, subject to any conditions in the appendix attached hereto.

Manufacturer: **Thanner A/S, Randersvej 8-10, DK-6700 Esbjerg, Denmark**

Directive Reference: **MED Directive 2014/90/EU, Regulation (EU) 2022/1157**

Product designation: **DK84.1**

Release water depths: **Within 4 meters for DK84.1**

Regulation item: **MED/1.16**

Product type: **Float-free arrangements for life-rafts (hydrostatic release units)**

Product description: **Hydrostatic Release Units**

Specified standard(s): **IMO Res. MSC.81(70) & IMO Res. MSC.48(66) as amended**


Restrictions: **The manufacturer's instructions and installation manuals shall be contained onboard the ship.**

The attached appendix forms a part of this certificate. Documentation for observance of relevant requirements and the basis for the type-examination are described in the appendix to this certificate. This certificate will remain valid unless suspended, expired or withdrawn, provided the conditions in the attached appendix are complied with. The manufacturer shall inform FORCE Certification A/S of any contemplated changes.

This certificate replaces the former version DK-0200-MarED-001 version 4 issued 2018-04-09 due to renewal, and of removing product versions. Existing products conforming to the previous version of this certificate remain valid.

Date of issue: **2023-06-29**

Date of expiry: **2028-06-29**



Kasper Munk Eliassen
Certification Manager



Allan Laursen
Examiner

FORCE Certification A/S task No.: **123-25555** / Certificate ID: **0200-MarED-04300-4**
USCG Approval Category No.: **USCG 160.162**

This equipment is covered by the scope of "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment" signed February 18th, 2019" According to U.S. Coast Guard Approval Category No.:160.162. 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 Mutual Recognition Agreement.

Note 1: The certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with the notified body named on this certificate.

Note 2: Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be reapproved prior to it/they being placed on board vessels to which the amended regulations or standards apply.

Note 3: The Mark of Conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity may only be issued when the production-control phase module (D, E or F) of ANNEX B of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.

Note 4: Status of this certificate can be verified on www.forcecertification.com. This EU Type-Examination Certificate is the property of FORCE Certification A/S. Extracts of this certificate may only be reproduced with a written permission from FORCE Certification A/S.

Appendix to EC Type-Examination Certificate

Directive on Marine Equipment (Module B)

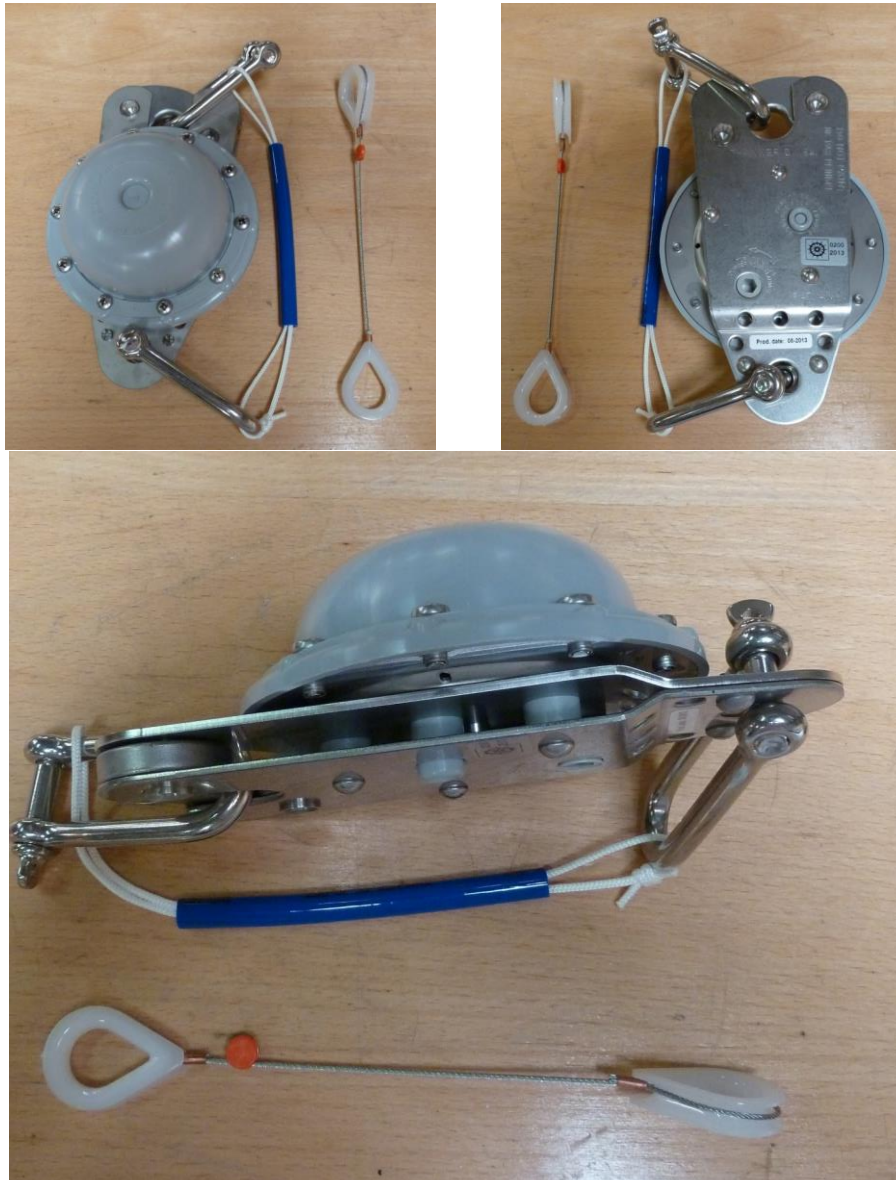
Certificate No.: 0200-MarED-001 version 5

Issued by FORCE Certification A/S - EU-notified body number 0200

Manufacturer:	Thanner A/S, Randersvej 8-10, DK-6700 Esbjerg, Denmark
Directive Reference:	MED Directive 2014/90/EU, Regulation (EU) 2022/1157
Product designation:	DK84.1
Release water depths:	Within 4 meters for DK84.1
Regulation item:	MED/1.16
Product type:	Float-free arrangements for life-rafts (hydrostatic release units)
Product description:	Hydrostatic Release Units
Specified standard(s):	IMO Res. MSC.81(70) & IMO Res. MSC.48(66) as amended
Restrictions:	The manufacturer's instructions and installation manuals shall be contained onboard the ship.

Photo of product:

Photo of Thanner DK84.1



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Approval documentation:

Documentation for observance of relevant requirements stated in the applied standard(s):

Test house	Report No.:	Testing/Inspection of:
- Teknologisk Institut	298.4556/35	Salt spray exposure
- Dantest	A.27563	Type testing
- Danish Maritime Authority	5611.1293-1	Type testing
- FORCE-Dantest CERT	60195/m1446-054a	Type testing of design change of DK84.1
- Danish Maritime Authority	5611.1293-2	Additional type testing
- Force Technology	113-21165.a	Renewal report Thanner DK 84.1 series

Place(s) of production:

Where the equipment is manufactured or assembled:

Company:	Address:
- Thanner A/S Thanner A/S	- Randersvej 8-10, DK-6700 Esbjerg, Denmark


Note:

The manufacturer's instructions and installation manuals shall be contained onboard the ship.

Compliance with above mentioned standards does not inherently mean that the product is suitable for all applications. This decision is for the user to make on basis the general restrictions for safe use.

Technical documentation:

The following documentation was available

- | | |
|--|---|
| - Description/drawings: | Complete set of drawings with review of changes stored in task nr. 123-25555 |
| - Specifications of sub-components: | According to referenced drawings. |
| - Information on materials/components and suppliers: | According to referenced drawings. |
| - Marking and user info: | Wheel mark according to drawing 14-051 mod. C dated 14.08.2013
Production date label according to drawing 10-001 dated 14.08.2013.
Deep stampings according to the above-mentioned measure drawings and containing the following information;
 0200 (wheel mark and NB No.)
XXXX (Serial No.)
DK84/ (type of product)
2 years/4 years (service life)
THANNER A/S DENMARK (name of manufacturer and country)
Expiry label |
| - Description of the manufacturer's quality system: | Thanner A/S quality manual ver. 15 - for control of the production acc. to Module D requirements. |

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- Submitted documentation:**
- Installation manuals 10-086 and 10-105 for DK84.1
 - QA manuals QA 2020 and QA 0122 for DK84.1
 - Above mentioned assembly drawings
 - Complete set of drawings
 - List with subcontractors
 - Above mentioned type test and examination reports and quality audit reports
- Design:**
- DK84.1 according to measure drawings 10-077 mod. C dated 13.08.2013 and 10-090 mod. A dated 12.08.2013 and assembly drawings 10-075 mod. L dated 12.08.2013 and 10-107 mod. B dated 12.08.2013.

History:

Issue/change:	Certificate No.:	Certificate ID:	Issue date:
- Original certificate	DK-0200-F001	-	1999-12-10
-	DK-0200-MarED 001	-	2008-12-08
-	DK-0200-MarED-001 revision 1	-	2013-08-26
-	DK-0200-MarED-001 revision 2	-	2013-11-26
-	DK-0200-MarED-001 revision 3	-	2015-03-31
- New expiry date and update to latest directive	DK-0200-MarED-001 revision 4	0200-MarED-04300	2018-04-09
- Renewal and updated to new regulation and removal of versions DK84.1M and DK84 RN2	0200-MarED-001 version 5	0200-MarED-04300-4	2023-06-29

Conclusion:

Based on the above-mentioned attestation it can be concluded that the equipment, designated DK84.1, was found to be in compliance with the requirements of Marine Equipment Directive (MED) 2014/90/EU as amended, last amended by Regulation (EU) 2022/1157.