

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 Open reversible liferaft

with type designation(s)
LR-ORL-6, 15, 25, 30, 50, 65 & 132

Issued to
Ocean Safety Ltd
Southampton, United Kingdom

Trade name: OCEAN SOLAS, REVERE

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2018/773**,
item No. MED/1.39. SOLAS 74 as amended, Regulation III/4 & X/3, LSA Code and 2000 HSC Code 8

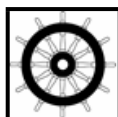
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2023-08-19**.

Issued at **Hamburg** on **2018-08-20**

DNV GL local station:
Southampton

Approval Engineer:
Michael Oberländer



Notified Body
No.: **0098**

for **DNV GL SE**

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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



Product description

LR-ORL-6, 15, 25, 30, 50, 65 & 132 is an open reversible liferaft in accordance with HSC-Code 8.10.2, equipped with HSC Pack and stowed in a cylindrical container.

LR-ORL-25, 30 & 65 may be manufactured alternatively with a square container.

Application/Limitation

Type	Persons (82.5kg)	Weight [kg] HSCPack	Required bollard pull [kN]		Maximum Stowage Height (m)
			(2 kn)	(3kn)	
LR-ORL-6	6	54	0.65 kN	0.80 kN	10
LR-ORL-15	15	90	0.80 kN	1.30 kN	10
LR-ORL-25	25	122	1.30 kN	1.53 kN	10
LR-ORL-30	30	144	1.25 kN	1.55 kN	10
LR-ORL-50	50	178	1.46 kN	2.30 kN	10
LR-ORL-65	65	208	1.50 kN	2.40 kN	10
LR_ORL-132	132	346	2.41 kN	4.22 kN	10

- The liferafts shall be packed with HSC Pack.
- Gas cylinders shall be of an approved type.
- Components of the gas inflation system should be approved according to ISO 15738:2002.
- The liferafts are intended to be installed with external weak link and a hydrostatic release unit.
- The liferafts are to be serviced at intervals not exceeding 12 months, provided where in any case this is impracticable, the administration may extend this period by one month, at approved service stations which are authorized by the manufacturer.
- Production tests are to be conducted in accordance with IMO Res. MSC.81(70), Part 2 and recorded by the manufacturer in compliance with the approved Production Quality Assurance System for Module D of the Marine Equipment Directive 2014/90/EC.

Type Examination documentation

Tests carried out

Test reports: Germanischer Lloyd Shanghai of 2013-03-06, 2013-05-29 and 201608-26.

Inspection report: Shanghai Monitoring and Inspection Center for Rubber Products Quality, No. W(X) 2009-26

Following tests of MSC.81(70), part 1 have been omitted in accordance with HSC Code 2000 Annex 11,7.:

5.5, 5.8 regarding closing arrangements, 5.12, 5.16, 5.17.2, 5.17.10, 5.17.11, 5.17.12, 5.18 and 5.20.

The drop height in test 5.1.2 was substituted with 10m.

Marking of product

The product is to be indelibly marked with name and address of the manufacturer, type designation and date of manufacture and batch or serial number or other elements allowing identification.

The equipment and marking of the liferaft incl. stowage container shall be in accordance with HSC Code 2000 Annex 11.