

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

with type designation(s)

ZHP EG 4.13, ZHP EG 4.15, ZHP EG 4.19, ZHP EG 4.20, ZHP EG 4.22, ZHP EG 4.24, ZHP EG 4.25, ZHP EG 4.26

Issued to

Zollern GmbH & Co. KG
Herbertingen, Baden-Württemberg, Germany

is found to comply with the requirements in the following Regulations/Standards:

Regulation **(EU) 2019/1397,**

item No. MED/1.41b. SOLAS 74 as amended, Regulation III/4, III/16, III/23, III/24, III/34, X/3 and LSA Code

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

This Certificate is valid until **2024-11-13.**

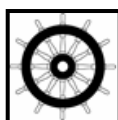
Issued at **Hamburg** on **2019-11-14**

DNV GL local station:

VERIT\KAISCH

Approval Engineer:

Frank Poetsch



Notified Body
No.: **0098**

for **DNV GL SE**

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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



Job Id: **344.1-010141-1**
Certificate No: **MEDB000068A**

Product description

Winches for free-fall lifeboats, winch types ZR ZHP EG 4.13, ZHP EG 4.15, ZHP EG 4.19, ZHP EG 4.20, ZHP EG 4.22, ZHP EG 4.24, ZHP EG 4.25, ZHP EG 4.26

Application/Limitation

	ZHP EG 4.13	ZHP EG 4.15	ZHP EG 4.19	ZHP EG 4.20	ZHP EG 4.22
Line pull motor	11kN electric	26,5kN hydraulic	35kN hydraulic	45kN hydraulic	67,5kN hydraulic
Holding load	11kN	26,5kN	35kN	45kN	67,5kN
Rope - ø	10	13	16	18	20
Layer	1	2	2	2	2

	ZHP EG 4.24	ZHP EG 4.25	ZHP EG 4.26		
Line pull motor	5487Nm hydraulic	72kN hydraulic	100kN hydraulic		
Holding load		72kN	100kN		
Rope - ø	20	22	28		
Layer	3	3	4		

Type Examination documentation

Tests carried out

According IMO Resolution MSC.81(70), amended up to MSC.323(89), Part 1, Regulation 8.1.
Type Test Report Serial No.: ZHP 4.15, EP-1014613, dd 2009-08-27; ZHP 4.19; EP-1014739, dd 2009-07-30; ZHP 4.20, EP-1014750, dd 2009-12-07; ZHP 4.22, EP 1045893, 2009-08-27; ZHP 4.26, EP-1061891, dd 2012-05-24

Marking of product

Manufacturer's name or trade mark and type designation.

End of certificate