

Office: **Rotterdam**Date: **30 January 2024**

This Certificate is issued to Del-mar Denizde Güvenlik Sistemleri Taşımacılık San. ve Tic.Ltd.Şti.

**Lloyd's Register Advisory Services BV** certifies that the management system of **Del-Mar Denizde Güvenlik Sistemleri Taşımacılık San. ve Tic. Ltd.Şti.** has been audited and found to be in accordance with the requirements of:

## Standard

ISO 23678-1:2022  
ISO 23678-2:2022  
ISO 23678-3:2022  
ISO 23678-4:2022

## Scope of certification

Training of service personnel for the maintenance, thorough examination, operational testing, overhaul and repair of lifeboats (including free-fall lifeboats) and rescue boats (including fast rescue boats), launching appliances and release gear as per Annex.

## Site

Aydınlı Mh. Beyoğlu Sanayi Sitesi E2 Blok No:30, 34953, Tuzla, İstanbul / Turkey

Certification is based on ISO/IEC 17021-1:2015

Certificate issue date: 30 January 2024

Certificate expiry date: 30 January 2025\*

\*Subject to the continued satisfactory operation of the organisation's management system.

M.P. VEENSTRA  
Surveyor to Lloyd's Register Advisory Services BV

a member of the Lloyd's Register group.

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**ANNEX**

**This certificate is applicable to the following make, types and series of equipment.**

<b>Survival Craft Types:</b>
<b>Lifeboat:</b>
Without sprinkler and air-systems
With air-systems
With sprinkler and air-systems
<b>Lifeboat:</b>
Single Fall
Twin Fall
Free Fall
<b>Lifeboat:</b>
Open
Totally Enclosed
Partially Enclosed
<b>Rescue Boats:</b>
Single Fall Rescue Boat
Fast Rescue Boat
<b>Survival Craft Propulsion System Types:</b>
Inboard diesel engines
Outboard engines
Propeller Drives
Jet drives

<b>Launching Appliances Types:</b>
Gravity Single and Twin Fall Outrigger
Hydraulic Pivoting and Luffing
Gravity Roller Track
Gravity Free Fall Primary
Free Fall Hydraulic Secondary
A frame hydraulic
Single Arm Slewing (manual, electric)

<b>Winch Types:</b>
Twin drum
Single drum
Gravity lowering, electric hoisting
Gravity lowering, hydraulic hoisting
Hydraulic hoisting and lowering
<b>Brake system; static brake:</b>
Cone
Disk
Shoe
Band
Eccentric cam
Mechanical, multiple disks
Hydraulic; multiple disks
<b>Brake system; decent brake:</b>
Centrifugal with pads
Hydraulic pump

<b>Release Gear Types:</b>
<b>Hook Assemblies</b>
Off load/On load-lift not over centre release gear
Flat to flat rotating cams
Forward or reverse curve to curve rotating cams
Curve to flat rotating cams
Up and down pins
Off-Load release (load over centre)
Freefall hydraulic
Rescue boats including Fast Rescue Boat Off-Load
Rescue boats including Fast Rescue Boat Automatic
Davit Launched Liferaft Automatic
<b>Device for activating release</b>
Davit Launched Liferaft Automatic
Central release units.
Hydrostatic interlock with diaphragm
Hydrostatic interlock with float
Electronic sensors



**SURVIVAL CRAFT (INCLUDING FAST RESCUEBOAT)**

MAKE	TYPE	MODEL/SERIES	INVENTORY LIST NO	ISO23678 REFERENCE
ACEBI	Partially enclosed lifeboat, twin fall	PELB-series	16	5.4.3.1a
ACEBI	Totally enclosed lifeboat, twin fall, with sprinkler and air system	PELB-series, TELB-series	20	5.4.3.1a
AMBAR MARINE	Rescue Boat, single fall	AM420-series	8	5.4.3.1b
AVON	Rescue Boat, single fall	RB-series, SR-series	8	5.4.3.1b
BALDEN	Totally enclosed lifeboat, freefall	BD-FFC-series, BD-FFT-series	20 / 23	5.4.3.1a
BALDEN	Totally enclosed lifeboat, twin fall, with air system	BD-LB-series	20	5.4.3.1a
BALDEN	Totally enclosed lifeboat, twin fall, with sprinkler and air system	BD-LB-series	20	5.4.3.1a
BALDEN	Rescue Boat, single fall	BD-series	8	5.4.3.1b
BIANCHI & CHECCHI	Partially enclosed lifeboat, twin fall	PE-series	16	5.4.3.1a
BROOKER	Totally enclosed lifeboat, single fall	CA-series	20	5.4.3.1a
CASTOLDI S.R.L.	Rescue Boat, single fall	JET TENDER 18 RB-series	8	5.4.3.1b
DAFER (NARWHAL)	Fast Rescue Boat, single fall	FRB-series	13	5.4.3.1b
DAFER (NARWHAL)	Rescue Boat, single fall	FRB 700-series, FRB 900-series, SV-series	8	5.4.3.1b
DELTA	Rescue Boat, single fall	COMET-series, PHANTOM-series	8	5.4.3.1b
DSB DEUTSCHE SCHLAUCHBOOTE	Rescue Boat, single fall	IRB-series	8	5.4.3.1b
DSB ENGINEERING CO LTD	Partially enclosed lifeboat, twin fall	DSBP-series	16	5.4.3.1a
DSB ENGINEERING CO LTD	Rescue Boat, single fall	DSBRB-series, DSBRFA-series, 420 series, 390 series, IRB series, RB series, DSB series, SR series, SR-DSB series	8	5.4.3.1b
DSB ENGINEERING CO LTD	Totally enclosed lifeboat, freefall	DSBFC-series, DSBBF-series	20 / 23	5.4.3.1b
DSB ENGINEERING CO LTD	Totally enclosed lifeboat, twin fall, with air system	DSBC-series	20	5.4.3.1a
DSB ENGINEERING CO LTD	Totally enclosed lifeboat, twin fall, with sprinkler and air system	DSBF-series	20	5.4.3.1a
ERNST HATECKE GMBH	Rescue Boat, single fall	FRB-series, RB-series	8	5.4.3.1b
ERNST HATECKE GMBH	Totally enclosed lifeboat, free fall	GFF-series	20 / 23	5.4.3.1b
FASSMER	Fast Rescue Boat, single fall	FRR-series, FR(l)B-series, FRB-series, RR-series	13	5.4.3.1b
FASSMER	Partially enclosed lifeboat, twin fall	CL-P-series, PLL-series, PLT-series,	16	5.4.3.1a

		SEL-series, PL-series, SEL-T-series, SEL-R-series		
FASSMER	Rescue Boat, single fall	FRIR-series, RR-series, RB-series, MOB-series	8	5.4.3.1b
FASSMER	Totally enclosed lifeboat, freefall	CFL-series, GAR-series, GAR-T-series, CFL-C FFB-series, CFL-C 66E series	20 / 23	5.4.3.1b
FASSMER	Totally enclosed lifeboat, twin fall, with air system	CL-series, CLR-series, CLX-series, GMR-series, CFL-series, DRAGON-series, CLR-C-series, CL-C-series, GAR-series	20	5.4.3.1a
FASSMER	Totally enclosed lifeboat, twin fall, with sprinkler and air system	CL-series, CLR-series, CLX-series, DRAGON-series, T-GMR-series, GAR-series, CFL-series, TGMR-series, CLR-T-series, CL-T-series	20	5.4.3.1a
FASSMER MARLAND	Rescue Boat, single fall	RR-series	8	5.4.3.1b
FASSMER MARLAND	Totally enclosed lifeboat, freefall	CFL-C-series, CFL-T-series	20 / 23	5.4.3.1a
FASSMER MARLAND	Totally enclosed lifeboat, twin fall, with air system	DRAGON C-series, HH-C-series	20	5.4.3.1a
FASSMER MARLAND	Totally enclosed lifeboat, twin fall, with sprinkler and air system	DRAGON F-series, HH-T-series	20	5.4.3.1a
FR. FASSMER GMBH	Totally enclosed lifeboat, free fall	GAR-series	20 / 23	5.4.3.1a
GEPA	Fast Rescue Boat, single fall	G-FRB-series	13	5.4.3.1b
GEPA	Partially enclosed lifeboat, twin fall	G-FYK-series, G-F3YK-series, G-F3YK-T-series, G-F-series	16	5.4.3.1a
GEPA	Rescue Boat, single fall	G-RB-series	8	5.4.3.1b
GEPA	Totally enclosed lifeboat, freefall	G-FFF-series, G-FF-series, G-FFF-FP-series, G-F3K-series, G-F4K-series, G-F6K-series, G-F8K-series	20 / 23	5.4.3.1a
GEPA	Totally enclosed lifeboat, twin fall, with air system	G-FK-series, G-F3K-series, G-F3K-FP-series, G-F4K-series, G-F6K-series, G-F8K-series	20	5.4.3.1a
GEPA	Totally enclosed lifeboat, twin fall, with sprinkler and air system	G-F3K-FP-series, G-F4K-FP-series, G-F6K-FP-series, G-F8K-series	20	5.4.3.1a
GREBEN	Partially enclosed lifeboat, twin fall	PEL-series	16	5.4.3.1a
GREBEN	Rescue Boat, single fall	RB-series, BR-series	8	5.4.3.1b
GREBEN	Totally enclosed lifeboat, freefall	FFL-series, FLL-series	20 / 23	5.4.3.1a

GREBEN	Totally enclosed lifeboat, twin fall, with air system	TEL-series	20	5.4.3.1a
GREBEN	Totally enclosed lifeboat, twin fall, with sprinkler and air system	TEL-FP-series	20	5.4.3.1a
HARDING (UMOESCHAT HARDING)	Partially enclosed lifeboat, twin fall	CTL-series, ML-series, MPC-series	16	5.4.3.1a
HARDING (UMOESCHAT HARDING)	Rescue Boat, single fall	MOB 4.5A-series, MOB-series, RRB-series	8	5.4.3.1b
HARDING (UMOESCHAT HARDING)	Fast Rescue Boat, single fall	NPDS-series	13	5.4.3.1b
HARDING (UMOESCHAT HARDING)	Totally enclosed lifeboat, freefall	FF-series, KISS 800-series, LBF-series	20 / 23	5.4.3.1a
HARDING (UMOESCHAT HARDING)	Totally enclosed lifeboat, twin fall, with air system	MCF-series, MCM-series, MCB-series, LBT-series	20	5.4.3.1a
HARDING (UMOESCHAT HARDING)	Totally enclosed lifeboat, twin fall, with sprinkler and air system	MCB-series, MCM-series, MC-series, MCR-series	20	5.4.3.1a
HARDING (WATERCRAFT)	Partially enclosed lifeboat, twin fall	MOB-series, MOBAC-series, PELB-series, PERB-series	16	5.4.3.1a
HARDING (WATERCRAFT)	Totally enclosed lifeboat, freefall	WFF-series	20 / 23	5.4.3.1a
HARDING (WATERCRAFT)	Totally enclosed lifeboat, twin fall, with sprinkler and air system	MK 1-series, MK 2-series, MK 3-series, MK 4-series, MK 5-series	20	5.4.3.1a
HARDING (WATERCRAFT)	Open lifeboat, twin fall	MK-series	16	5.4.3.1a
HARDING BOAT BUILDING (QINGDAO) CO., LTD.	Totally enclosed lifeboat, twin fall, with air system	TECB-series	20	5.4.3.1a
HATECKE (ERNST HATECKE)	Partially enclosed lifeboat, twin fall	PEL-series, PL-series	16	5.4.3.1a
HATECKE (ERNST HATECKE)	Rescue Boat, single fall	FRB-series, RB-series, LB-series, GSL-series	8	5.4.3.1b
HATECKE (ERNST HATECKE)	Totally enclosed lifeboat, freefall	GFF-series, FFB-series, FF-series, F-series	20 / 23	5.4.3.1a
HATECKE (ERNST HATECKE)	Totally enclosed lifeboat, twin fall	GLS-series, GF-series, GSL-series, PEL-series, PL-series, GFF-series, GSA R-series	20	5.4.3.1a
HATECKE (ERNST HATECKE)	Fast Rescue Boat, single fall	FRB-series	13	5.4.3.1b
HATECKE (ERNST HATECKE)	Totally enclosed lifeboat, twin fall, with sprinkler and air system	GSL-series, PL-series, GFF-series	20	5.4.3.1a
HLB (HYUNDAI LIFEBOATS)	Fast Rescue Boat, single fall	HDFR-series, HDF-series	13	5.4.3.1b
HLB (HYUNDAI LIFEBOATS)	Partially enclosed lifeboat, twin fall	HDL-series, HD-HD-series	16	5.4.3.1a
HLB (HYUNDAI LIFEBOATS)	Rescue Boat, single fall	HDR-series, HDF-series, FF-series	8	5.4.3.1b
HLB (HYUNDAI LIFEBOATS)	Totally enclosed lifeboat, freefall	HDFN-F-series, HDFN-T-series,	20 / 23	5.4.3.1a

		HDFL-series, FF-series		
HLB (HYUNDAI LIFEBOATS)	Totally enclosed lifeboat, twin fall, with air system	HDL-series, HLB-series, HT78-series, HD-series, HDF-series, HDFL-series, R-series	20	5.4.3.1a
HLB (HYUNDAI LIFEBOATS)	Totally enclosed lifeboat, twin fall, with sprinkler and air system	HDL-series, HLB-series, HGD-series, HDFL-series, HD-series, R-series	20	5.4.3.1a
HOEI SENPAKU CO, LTD	Totally enclosed lifeboat, twin fall, with air system	HS-series	20	5.4.3.1a
HOEI SENPAKU CO, LTD	Totally enclosed lifeboat, twin fall, with sprinkler and air system	HS650F-series, HSF-series	20	5.4.3.1a
HYUNDAI LIFEBOATS CO. LTD	Totally enclosed lifeboat, freefall	HDFL740F-series, HDF-series	20 / 23	5.4.3.1a
IHI CRAFT CO.	Totally enclosed lifeboat, twin fall	GTC-series	20	5.4.3.1a
IHI MARINE UNITED INC	Open lifeboat, twin fall	G-series	16	5.4.3.1a
IHI MARINE UNITED INC	Totally enclosed lifeboat, twin fall, with air system	GTC-series, GTC-C-series, GTR-series	20	5.4.3.1a
IHI MARINE UNITED INC	Totally enclosed lifeboat, twin fall, with sprinkler and air system	GT-F-series, GTC-F-series, GTRF-series, GTR-series	20	5.4.3.1a
IHI MARINE UNITED INC	Totally enclosed lifeboat, free fall	MU-FF/FN-series	20 / 23	5.4.3.1a
IHI MARINE UNITED INC	Rescue boat, single fall	MU-GJ-series	8	5.4.3.1b
ISHIHARA DOCKYARD CO.	Totally enclosed lifeboat, twin fall	G-series, ML-series, F-series	20	5.4.3.1a
ISHIHARA DOCKYARD CO.	Totally enclosed lifeboat, free fall	G-series, ML-series, F-series	20 / 23	5.4.3.1a
ISHIHARA DOCKYARD CO.	Rescue Boat, single fall	G-series, ML-series, F-series	8	5.4.3.1b
JAPAN MARINE UNITED CORP	Totally enclosed lifeboat, twin fall, with air system	GF-series, GTR-series, GTC-series, MU-FN-series	20	5.4.3.1a
JAPAN MARINE UNITED CORP	Totally enclosed lifeboat, twin fall, with sprinkler and air system	GTR-series, GF-series, GTC-series	20	5.4.3.1a
JAPAN MARINE UNITED CORP	Totally enclosed lifeboat, free fall	MU-FF-series	20 / 23	5.4.3.1a
JAPAN MARINE UNITED CORP	Open lifeboat, twin fall	S-series, G-series	16	5.4.3.1a
JAPAN MARINE UNITED CORP	Rescue Boat, single fall	MU-GJ-series	8	5.4.3.1b
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Rescue Boat, single fall	GJ-series, GJF-series, GZ-series, FRP-series	8	5.4.3.1b
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Fast Rescue Boat, single fall	GJ-series	13	5.4.3.1b

JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Totally enclosed lifeboat, freefall	JY-FF-series, JY-FN-series, JYMFF-series, GJ-series, JYM-FN-series, JY-series, FN-series, FW-series, JYN-FN-series, JYM-FF-series, SY-FN-series, FRP-series, JYM-series, JY-FF-series	20 / 23	5.4.3.1a
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Totally enclosed lifeboat, twin fall, with air system	JY-QFN-series, JY-QFP-series, JY-series, JN-series, JY-QF-series, JYQFP-series, JYM-series, JY-FN-series	20	5.4.3.1a
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Totally enclosed lifeboat, twin fall, with sprinkler and air system	JY-QFN-series, JY-QFP-series, JY-series, JY-QF-series, GJ-series, JY-FF-series, JY-QFN-series, JYM-series, JY-FN-series	20	5.4.3.1a
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Totally enclosed lifeboat, twin fall, with air system	NPT-C-series, SC-series, NPT-series	20	5.4.3.1a
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Totally enclosed lifeboat, twin fall, with sprinkler and air system	NPT-F-series, NPT-series, SC-series	20	5.4.3.1a
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Partially enclosed lifeboat, twin fall	NPT-P-series, NPT-PT-series, NPT-series	16	5.4.3.1a
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Rescue Boat, single fall	NPT-R-series, NPT-RA-series, NPT-RB-series, NPT-RFA-series, NPT-series	8	5.4.3.1b
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Totally enclosed lifeboat, freefall	NPT-FA-series, NPT-FC-series, NPT-FCA-series, NPT-FF-series, NPT-series	20 / 23	5.4.3.1a
JIANGYIN NORSAFE	Totally enclosed lifeboat, twin fall with air system	JYN-series, GES-series	20	5.4.3.1a
JIANGYIN NORSAFE	Totally enclosed lifeboat, free fall	GES-series, JYF-series	20 / 23	5.4.3.1a
JIANGYIN NORSAFE	Rescue Boat, single fall	MATRIX-series, MIDGET-series	8	5.4.3.1b
JIANGYIN NORSAFE	Totally enclosed lifeboat, twin fall with sprinkler and air system	JYN-series, GES-series	20	5.4.3.1a
JIANGYIN NORSAFE	Fast Rescue Boat, single fall	MERLIN-series, FRB-series	13	5.4.3.1b
JIANGYIN NORSAFE	Partially enclosed lifeboat, twin fall	MATHILDA-series	16	5.4.3.1a
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Open lifeboat, twin fall	JYK-series	16	5.4.3.1a
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Partially enclosed lifeboat, twin fall	JYP-series	16	5.4.3.1a
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Rescue Boat, single fall	JYDR-series, JYKR-series, JY-series	8	5.4.3.1b

JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Totally enclosed lifeboat, freefall	JYCF-series, JYFF-series, JY-series, JY65-series	20 / 23	5.4.3.1a
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Totally enclosed lifeboat, twin fall, with air system	JYC-series, JYCA-series, JY-series	20	5.4.3.1a
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Totally enclosed lifeboat, twin fall, with sprinkler and air system	JYF-series, JYFA-series, JY-series	20	5.4.3.1a
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Fast Rescue Boat, single fall	JY-series, JY65-series	13	5.4.3.1b
JIANGYIN XINJIANG	Rescue Boat, single fall	GJ-series, GJ- B-series	8	5.4.3.1b
JIANGYIN XINJIANG	Totally enclosed lifeboat, freefall	JY-FN-series	20 / 23	5.4.3.1a
JIANGYINSHI BEIHAI	Fast Rescue Boat, single fall	JYB-G-series, JYB-Q-series	13	5.4.3.1b
JIANGYINSHI BEIHAI	Open lifeboat, twin fall	JYB-K-series	16	5.4.3.1a
JIANGYINSHI BEIHAI	Partially enclosed lifeboat, twin fall	JYB-B-series	16	5.4.3.1a
JIANGYINSHI BEIHAI	Rescue Boat, single fall	JY-BR-series, JYB-KR-series, SCK-series, SC-KR-series, SC-series, LSA-series, SC45K-series	8	5.4.3.1b
JIANGYINSHI BEIHAI	Totally enclosed lifeboat, freefall	JYB-FC-series, JYB-FF-series, JYB-series, JYM-series	20 / 23	5.4.3.1a
JIANGYINSHI BEIHAI	Totally enclosed lifeboat, twin fall, with air system	JYB-C-series, JYB-series	20	5.4.3.1a
JIANGYINSHI BEIHAI	Totally enclosed lifeboat, twin fall, with sprinkler and air system	JYB-F-series, JYB-series	20	5.4.3.1a
MARE SAFETY	Rescue Boat, single fall	RB-series	8	5.4.3.1b
MARITME PARTNER	Fast Rescue Boat, single fall	ALUSAFE 1200 DC-series, ALUSAFE 700-series, ALUSAFE-series, ALUSAFE twin-series, ALUSAFE 900-series, SEA BEAR 23-series, WEEDO 17 SOLAS-series, WEEDO 600-series, WEEDO 700-series, WEEDO-series, MP-series, SEABEAR-series, SPRINGER-series	13	5.4.3.1b
MARITME PARTNER	Rescue Boat, single fall	SPRINGER-series	8	5.4.3.1b
MARITME PARTNER (HUKKELBERG BOATS)	Fast Rescue Boat, single fall	SPRINGER-series	13	5.4.3.1b
MULDER EN RIJKE	Partially enclosed lifeboat, twin fall	PELB-series, PTL-series	16	5.4.3.1a
MULDER EN RIJKE	Totally enclosed lifeboat, single fall	TELB-S-series	20	5.4.3.1a
MULDER EN RIJKE	Totally enclosed lifeboat, twin fall, with	TELB-series	20	5.4.3.1a



	sprinkler and air system			
MONTMONTAZA GREBEN	Totally enclosed lifeboat, twin fall with sprinkler and air system	TEL-series	20	5.4.3.1a
MONTMONTAZA GREBEN	Totally enclosed lifeboat, free fall	FFL-series, FFL-P-series	20 / 23	5.4.3.1a
MONTMONTAZA GREBEN	Rescue Boat, single fall	RB-series	8	5.4.3.1b
NARWHAL	Rescue Boat, single fall	SV-series	8	5.4.3.1b
NARWHAL (DAFER)	Fast Rescue Boat, single fall	SV-series	13	5.4.3.1b
NED-DECK MARINE (PALFINGER)	Rescue Boat, single fall	NMD 4.40 RESCUE-series	8	5.4.3.1b
NED-DECK MARINE (PALFINGER)	Totally enclosed lifeboat, twin fall, with sprinkler and air system	NPT-series, PN85F-series	20	5.4.3.1a
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Fast Rescue Boat, single fall	YZRA-series, YZRB-series	13	5.4.3.1b
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Open lifeboat, twin fall	BJ-series	16	5.4.3.1a
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Rescue Boat, single fall	BJ-series, YZ-series	8	5.4.3.1b
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Totally enclosed lifeboat, freefall	YZFC-series, YZFF-series	20 / 23	5.4.3.1a
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Totally enclosed lifeboat, twin fall, with air system	YZC-series	20	5.4.3.1a
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Totally enclosed lifeboat, twin fall, with sprinkler and air system	YZF-series	20	5.4.3.1a
NINGBO NEW MARINE LIFESAVING EQUIPMENT CO. LTD	Totally enclosed lifeboat, twin fall, with air system	NM-series	20	5.4.3.1a
NISHI-F CO., LTD. (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Fast Rescue Boat, single fall	FRP-series	13	5.4.3.1b
NISHI-F CO., LTD. (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Rescue boat, single fall	G-series, ML-series, F-series	8	5.4.3.1b
NISHI-F CO., LTD. (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Open lifeboat, twin fall	NF-series, NFA-series	16	5.4.3.1a
NISHI-F CO., LTD. (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Partially enclosed lifeboat, twin fall	PML-series	16	5.4.3.1a

NISHI-F CO., LTD. (EX. ISHIHARA DOCKYARD, NISHI- NIPPON)	Totally enclosed lifeboat, freefall	FF-series, G-series, ML-series, F-series	20 / 23	5.4.3.1a
NISHI-F CO., LTD. (EX. ISHIHARA DOCKYARD, NISHI- NIPPON)	Totally enclosed lifeboat, twin fall, with air system	CML-series, EML- series, G-TR-series, G-series, ML-series, F-series	20	5.4.3.1a
NISHI-F CO., LTD. (EX. ISHIHARA DOCKYARD, NISHI- NIPPON)	Totally enclosed lifeboat, twin fall, with sprinkler and air system	CML-series, EML- series, G-FR-series, G-series, ML-series, F-series	20	5.4.3.1a
NOREQ	Partially enclosed lifeboat, twin fall	LBP-series	16	5.4.3.1a
NOREQ	Fast Rescue Boat, single fall	FRB-series	13	5.4.3.1b
NOREQ	Rescue Boat, single fall	RRB-series	8	5.4.3.1b
NOREQ	Totally enclosed lifeboat, freefall	LBF-series	20 / 23	5.4.3.1a
NOREQ	Totally enclosed lifeboat, twin fall, with sprinkler and air system	LBT-series, LBF- series	20	5.4.3.1a
NOREQ	Totally enclosed lifeboat, twin fall, with air system	LBT-series, MIRIAM- series	20	5.4.3.1a
NORMAR	Fast Rescue Boat, single fall	FRC-series	13	5.4.3.1b
NORMAR	Rescue Boat, single fall	RESCUE-series, GRP-series, FRC- series, 4.25RESCUE- series, 5.25RESCUE- series	8	5.4.3.1b
NORMAR	Totally enclosed lifeboat, freefall	JY-FF-series, FF- series, 4.9 T-series, 5.8-T-series, 8.5C- series, JY-FF 4.9 TO 8.5T-series	20 / 23	5.4.3.1a
NORSAFE	Rescue boat, single fall	MIDGET-series, MATRIX NDC-series	8	5.4.3.1b
NORSAFE	Totally enclosed lifeboat, twin fall	JYN-series, GES- series, TELB-series	20	5.4.3.1a
NORSAFE	Totally enclosed lifeboat, twin fall with sprinkler and air system	JYN-series, GES- series, MATHILDA- series, MIRIAM- series, MAUD-series, MAGGIE-series, MIDGET-series	20	5.4.3.1a
NORSAFE	Totally enclosed lifeboat, free fall	GES-series, GLS- series, MK-series	20 / 23	5.4.3.1a
NORSAFE	Fast rescue boat, single fall	MERLIN-series, MAKO-series, MAGNUM-series, MIDGET-series	13	5.4.3.1b
NORSAFE	Totally enclosed lifeboat, twin fall air system	MATHILDA-series, JYN-series, MIRIAM- series, MAUD-series, MAGGIE-series, MAXIMA-series, MKV-series	20	5.4.3.1a
NORSAFE	Partially enclosed lifeboat, twin fall	MINIMA-series	16	5.4.3.1a
NORSAFE	Open lifeboat, twin fall	JYN-series	16	5.4.3.1a

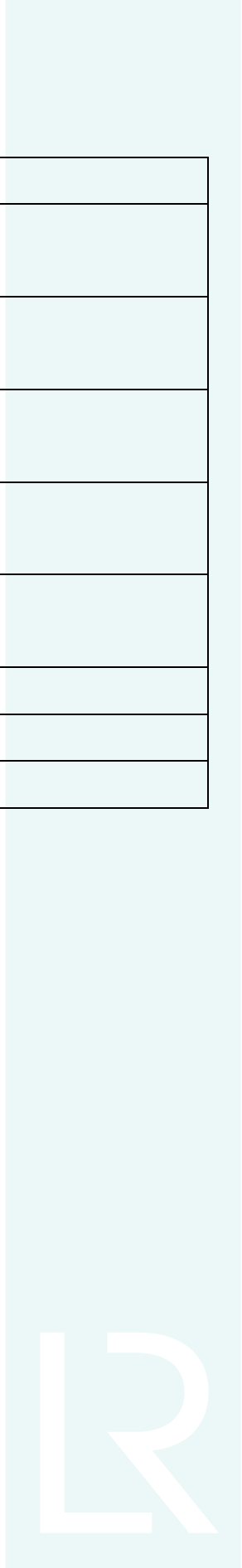
OY FISKARS AB	Totally enclosed lifeboat, twin fall, with air system	TELB-series	20	5.4.3.1a
OY FISKARS AB	Totally enclosed lifeboat, twin fall, with sprinkler and air system	TELB-series	20	5.4.3.1a
PALFINGER	Fast Rescue Boat, single fall	FRSQ-series	13	5.4.3.1b
PALFINGER	Partially enclosed lifeboat, twin fall	TL-series, MPC-series, NPT-T-series	16	5.4.3.1a
PALFINGER	Rescue Boat, single fall	RSQ-series, RRB-series	8	5.4.3.1b
PALFINGER	Totally enclosed lifeboat, freefall	FF-series, NPT-FC-series, NPTFF-series, LBF-series	20 / 23	5.4.3.1a
PALFINGER	Totally enclosed lifeboat, twin fall, with air system	KISS-C-series, NPT-F-series, MCB-series	20	5.4.3.1a
PALFINGER	Totally enclosed lifeboat, twin fall, with sprinkler and air system	KISS-T-series, NPT-C-series, MCB-series	20	5.4.3.1a
PALFINGER MARINE SERVICE	Rescue Boat, single fall	HARDING/MOB L-series	8	5.4.3.1b
PESBO S.A	Totally enclosed lifeboat, freefall	BSL-series	20 / 23	5.4.3.1a
PESBO S.A	Totally enclosed lifeboat, twin fall, with air system	BSC-series, BSL-series	20	5.4.3.1a
PESBO S.A	Totally enclosed lifeboat, twin fall, with sprinkler and air system	BSC-series	20	5.4.3.1a
PESBO S.A	Fast Rescue Boat, single fall	BR-series	13	5.4.3.1b
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Fast Rescue Boat, single fall	BH-HR7-series, FRB-series, BH-series	13	5.4.3.1b
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Partially enclosed lifeboat, twin fall	BH10-series, BH-series	16	5.4.3.1a
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Rescue Boat, single fall	BH-R-series, BH-series, BH-F-series	8	5.4.3.1b
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Totally enclosed lifeboat, freefall	BH-F-series, BH-series, BO-series, BH-7B-series	20 / 23	5.4.3.1a
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Totally enclosed lifeboat, twin fall, with air system	BH-series	20	5.4.3.1a
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Totally enclosed lifeboat, twin fall, with sprinkler and air system	BH-series, BH-F-series	20	5.4.3.1a
SCHAT HARDING	Totally enclosed lifeboat, twin fall, with sprinkler and air system	TECB-series, KISS-series, MCB-series	20	5.4.3.1a

SCHAT HARDING	Totally enclosed lifeboat, twin fall, with air system	MCD-series, KISS-series, MCB-series	20	5.4.3.1a
SCHAT HARDING	Totally enclosed lifeboat, free fall	FF-series	20 / 23	5.4.3.1a
SCHAT HARDING	Rescue boat, single fall	MOB-series	8	5.4.3.1b
SCHAT HARDING	Partially enclosed lifeboat, twin fall	MPC-series	16	5.4.3.1a
SCHAT HARDING	Fast Rescue Boat, single fall	FRB-series	13	5.4.3.1b
SCHAT HARDING	Totally enclosed lifeboat, twin fall	MCB-series	20	5.4.3.1a
SCHAT WATERCRAFT (PALFINGER)	Totally enclosed lifeboat, free fall	NS-series	20 / 23	5.4.3.1a
SEKIGAHARA SEISAKUSHO LTD.	Totally enclosed lifeboat, twin fall, with sprinkler and air system	SH-series, SFB-series, SHS-series, STS-series, SSS-series	20	5.4.3.1a
SEKIGAHARA SEISAKUSHO LTD.	Totally enclosed lifeboat, twin fall, with air system	SH-series, SFB-series, SHS-series, STS-series, SSS-series	20	5.4.3.1a
SEKIGAHARA SEISAKUSHO LTD.	Totally enclosed lifeboat, free fall	SFS-series, SFA-series, SFB-series, SFC-series, SFD-series	20 / 23	5.4.3.1a
SEKIGAHARA SEISAKUSHO LTD.	Rescue Boat, single fall	SJS-series, SJR-series	8	5.4.3.1b
SHIGI SHIPBUILDING CO. LTD.	Fast Rescue Boat, single fall	FRP-series	13	5.4.3.1b
SHIGI SHIPBUILDING CO. LTD.	Open lifeboat, twin fall	SZGM-series, SZGO-series, OPEN-series	16	5.4.3.1a
SHIGI SHIPBUILDING CO. LTD.	Partially enclosed lifeboat, twin fall	SZP-series, SZPR-series	16	5.4.3.1a
SHIGI SHIPBUILDING CO. LTD.	Rescue Boat, single fall	SZRS-series, VOX46-series, SZ-series, VOX-series, BOX-series	8	5.4.3.1b
SHIGI SHIPBUILDING CO. LTD.	Totally enclosed lifeboat, freefall	FEL-series, SZ-series, GARS-series	20 / 23	5.4.3.1a
SHIGI SHIPBUILDING CO. LTD.	Totally enclosed lifeboat, twin fall, with air system	SZBR-series, SZ-series, FEL-series, GARS-series	20	5.4.3.1a
SHIGI SHIPBUILDING CO. LTD.	Totally enclosed lifeboat, twin fall, with sprinkler and air system	SZBR-series, SZ-series, FEL-series, GARS-series	20	5.4.3.1a
STOCZNIA USTKA SP. Z O.O.	Fast Rescue Boat, single fall	FRB-series	13	5.4.3.1b
STOCZNIA USTKA SP. Z O.O.	Rescue Boat, single fall	R-series, RIB-series	8	5.4.3.1b
STOCZNIA USTKA SP. Z O.O.	Totally enclosed lifeboat, freefall	FFB-series	20 / 23	5.4.3.1a
STOCZNIA USTKA SP. Z O.O.	Totally enclosed lifeboat, twin fall, with air system	Z-series	20	5.4.3.1a
SURVITEC	Totally enclosed lifeboat, freefall	FF-series	20 / 23	5.4.3.1a

SURVITEC	Totally enclosed lifeboat, twin fall, with air system	SC-series	20	5.4.3.1a
SURVITEC	Totally enclosed lifeboat, twin fall, with sprinkler and air system	SC-series	20	5.4.3.1a
SURVITEC	Rescue Boat, single fall	HD720I-series	8	5.4.3.1b
SURVIVAL SYSTEMS INT	Fast Rescue Boat, single fall	FRB-series	13	5.4.3.1b
SURVIVAL SYSTEMS INT.	Totally enclosed lifeboat, single fall	CA-series	20	5.4.3.1a
TSUNEISHI	Totally enclosed lifeboat, twin fall, with air system	TL-TE-series, KL-series, TL-TE-series, TL-FP-series	20	5.4.3.1a
TSUNEISHI (KAMBARA RINGYO)	Totally enclosed lifeboat, twin fall, with air system	KL-TE-series, KL-series, TL-TE-series, TL-FP-series	20	5.4.3.1a
TSUNEISHI (KAMBARA RINGYO)	Totally enclosed lifeboat, twin fall, with sprinkler and air system	KL-FP-series, KL-series, TL-FP-series	20	5.4.3.1a
TSUNEISHI (SANYO WORKS)	Totally enclosed lifeboat, twin fall, with air system	TE-series	20	5.4.3.1a
TSUNEISHI (SANYO WORKS)	Totally enclosed lifeboat, twin fall, with sprinkler and air system	FP-series, KL-series, TL-FP-series	20	5.4.3.1a
VANGUARDE	Fast Rescue Boat, single fall	VG-FRK-series, VG-FRW-series	13	5.4.3.1b
VANGUARDE	Rescue Boat, single fall	VG-DRS-series, VG-KR-series, VG-series	8	5.4.3.1b
VANGUARDE	Totally enclosed lifeboat, twin fall, with air system	VG-C-series, VG-FC-series	20	5.4.3.1a
VANGUARDE	Totally enclosed lifeboat, twin fall, with sprinkler and air system	VG-F-series, VG-HLB-series	20	5.4.3.1a
VANGUARD (NANTONG)	Totally enclosed lifeboat, free fall	VG-series	20 / 23	5.4.3.1a
VIKING (NORSAFE)	Fast Rescue Boat, single fall	MAGNUM-series, MAKO-series, MERLIN-series	13	5.4.3.1b
VIKING (NORSAFE)	Partially enclosed lifeboat, twin fall	MINIMA-series, LB-series	16	5.4.3.1a
VIKING (NORSAFE)	Rescue Boat, single fall	MAKO-series, MERLIN-series, MIDGET-series, GRP-series, 470-series, RB-series, NARWHAL-series, MOB-series, 420-series, 470GRP-series, VALIANT-series	8	5.4.3.1b
VIKING (NORSAFE)	Totally enclosed lifeboat, freefall	JYN-series	20 / 23	5.4.3.1a
VIKING (NORSAFE)	Totally enclosed lifeboat, twin fall, with air system	JYN-C-series, MAGGIE-C-series, MATILDA-C-series, MAUD-C-series, MAXIMA-C-series, MIRAM -C-series	20	5.4.3.1a

VIKING (NORSAFE)	Totally enclosed lifeboat, twin fall, with sprinkler and air system	JYN-T-series, MAGGIE-T-series, MATILDA-T-series, MAUD-T-series, MAXIMA-T-series, MIRAMT-series, MCB-series	20	5.4.3.1a
VIKING (NORSAFE) (JIANGYIN)	Rescue Boat, single fall	MATRIX-series	8	5.4.3.1b
VIKING (NORSAFE) (JIANGYIN)	Totally enclosed lifeboat, freefall	GES-series	20 / 23	5.4.3.1a
VIKING NEUVISA	Fast Rescue Boat, single fall	RR-40-series	13	5.4.3.1b
WATERCRAFT (WATERCRAFT HELLAS)	Rescue Boat, single fall	4.9M-RB-series	8	5.4.3.1b
WATERCRAFT (WATERCRAFT HELLAS)	Totally enclosed lifeboat, twin fall	MKV-series	20	5.4.3.1a
WATERMAN OY	Partially enclosed lifeboat, twin fall	365-series, 367-series, 391-series, 393-serie	16	5.4.3.1a
WATERMAN OY	Totally enclosed lifeboat, twin fall, with sprinkler and air system	351-series, 366-series, 366HRLseries, 368-series, 371-series, 371HR-series, 377-series, 379-series	20	5.4.3.1a
WATERCRAFT INTERNATIONAL	Totally enclosed lifeboat, twin fall with air system	MK II-series	20	5.4.3.1a
WHITTAKER	Totally enclosed lifeboat, single fall	CA-series	20	5.4.3.1a
WUXI HAIHONG BOAT MAKING CO., LTD	Open lifeboat, twin fall	BH-series, BJ-series	16	5.4.3.1a
WUXI HAIHONG BOAT MAKING CO., LTD	Rescue Boat, single fall	JG-series, GJ-series	8	5.4.3.1b
WUXI HAIHONG BOAT MAKING CO., LTD	Totally enclosed lifeboat, freefall	HH-FC-series, HH-FF-series, HH-series	20 / 23	5.4.3.1a
WUXI HAIHONG BOAT MAKING CO., LTD	Totally enclosed lifeboat, twin fall, with air system	HH-C-series, HH-CS-series, HH-series	20	5.4.3.1a
WUXI HAIHONG BOAT MAKING CO., LTD	Totally enclosed lifeboat, twin fall, with sprinkler and air system	HH-T-series, HH-TS-series, HH-series	20	5.4.3.1a
WUXI HAIHONG BOAT MAKING CO., LTD	Fast Rescue Boat, single fall	GJ-series	13	5.4.3.1b
WUXI WENJIAO	Fast Rescue Boat, single fall	WJ-RA-series, WJ-RB-series	13	5.4.3.1b
WUXI WENJIAO	Open lifeboat, twin fall	BH-series, BJ-series, WJ-series	16	5.4.3.1a
WUXI WENJIAO	Rescue Boat, single fall	WJ-series	8	5.4.3.1b
WUXI WENJIAO	Totally enclosed lifeboat, freefall	WJFF-series, WJFFC-series	20 / 23	5.4.3.1a
WUXI WENJIAO	Totally enclosed lifeboat, twin fall, with air system	WJBC-series	20	5.4.3.1a
WUXI WENJIAO	Totally enclosed lifeboat, twin fall, with	WJBF-series	20	5.4.3.1a

	sprinkler and air system			
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Fast Rescue Boat, single fall	YH-FRB-series, YH-series	13	5.4.3.1b
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Rescue Boat, single fall	YH-FRA-series, YH-R-series, YH-series, BH-series	8	5.4.3.1b
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Totally enclosed lifeboat, freefall	YH-series, GES-18-series	20 / 23	5.4.3.1a
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Totally enclosed lifeboat, twin fall, with air system	YH-QFP-series	20	5.4.3.1a
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Totally enclosed lifeboat, twin fall, with sprinkler and air system	YH-DR-series	20	5.4.3.1a
ZODIAC (SURVITEC)	Fast Rescue Boat, single fall	RIB-series	13	5.4.3.1b
ZODIAC (SURVITEC)	Rescue Boat, single fall	H472S-series, RIBO-series	8	5.4.3.1b
ZODIAC HURRICANE	Rescue Boat, single fall	H561 PROLUXE-series	8	5.4.3.1b



## RELEASE GEAR

MAKE	TYPE	MODEL	EXCEL REFERENCE	ISO23678 REFERENCE
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Devices For Activating Release: Central Release Unit	BD-LH-series	40	5.4.3.5b
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Devices for activating release: Free Fall Hydraulic Primary and Secondary	BHA-series	44	5.4.3.5d
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Freefall Hydraulic / mechanical	BHA-series	44	5.4.3.5d
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Rescue boat / Davit Launched Liferaft / Lift over centre automatic	BHA-series	4	5.4.3.5g
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Rescue boat offload lift over center	BHR-series	41	5.4.3.5f
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Rescue boat offload w. Onload capability	BHR255-series	41	5.4.3.5f
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Fast rescue boat offload / Manual or automatic	BDR-series, BHR-series	41	5.4.3.5f
BALDEN	Lifeboat on load lift not over centre, flat to flat rotating cams	BD-LBH-series	38	5.4.3.5a.1
BALDEN	Rescue boat / Davit Launched Liferaft / Lift over centre automatic	BDHR-series	4	5.4.3.5g
BC SERVICE	Devices For Activating Release: Central Release Unit	U HOOK-series	42	5.4.3.5c
BC SERVICE	Devices For Activating Release: Hydrostatic interlock with diaphragm	U HOOK-series	39	5.4.3.5a.3
BC SERVICE	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	U HOOK-series	21 / 37	5.4.3.5a / 5.4.3.5a.2
BC SERVICE	Rescue boat offload lift over center	U HOOK-series	43	5.4.3.5e
CHANG SHENG	Rescue boat / Davit Launched Liferaft / Lift over centre automatic	35KN-series	4	5.4.3.5g
CRANSTON EAGLE	Rescue boat / Davit Launched Liferaft / Lift over centre automatic	APR-356- CB/CBH-series	4	5.4.3.5g
DAE JIN CO. LTD	Freefall Hydraulic / mechanical	THP-1B-series	44	5.4.3.5d
DAVIT COMPANY	Lifeboat offload release lift over center	AMS-series	40	5.4.3.5b
DAVIT INTERNATIONAL	Rescue boat offload lift over center	OLH-series, OHL-series	43	5.4.3.5e
DAVIT INTERNATIONAL	Rescue boat offload w. Onload capability	RH-series, RB-series, OLH-series, Offload-series	41	5.4.3.5f
DAVIT INTERNATIONAL	Freefall Hydraulic / mechanical	ALH-series	44	5.4.3.5d
FASSMER	Devices For Activating Release: Central Release Unit	DUPLEX < 6.6T-series, DUPLEX > 6T-series	14	5.4.3.5e



FASSMER	Devices for activating release: Free Fall Hydraulic Primary and Secondary	FFH-series	44	5.4.3.5d
FASSMER	Devices For Activating Release: Hydrostatic interlock with float	DUPLEX < 6.6T-series, DUPLEX > 6T-series	39	5.4.3.5a.3
FASSMER	Freefall Hydraulic / mechanical	F-series, GAR-series	44	5.4.3.5d
FASSMER	Lifeboat on load lift not over centre, Curve to flat rotating cams	DUPLEX>6T-series, DUPLEX-series	39	5.4.3.5a.3
FASSMER	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	DUPLEX<6.6T-series, DUPLEX-series, FSAR-series	37	5.4.3.5a.2
FERRI	Rescue boat / Davit Launched Liferaft / Lift over centre automatic	1448 TN-series	4	5.4.3.5g
GEPA	Rescue boat / Davit Launched Liferaft / Lift over centre automatic	G-K-series	4	5.4.3.5g
GLOBAL DAVIT	Lifeboat on load lift not over centre	HRL-series	21	5.4.3.5a
GLOBAL DAVIT	Rescue boat / Davit Launched Liferaft / Lift over centre automatic	HRL.26-series, HRL-series	4	5.4.3.5g
GLOBAL DAVIT	Rescue boat offload lift over center	HRN-series, HRL-series	63	5.4.3.5c
GLOBAL DAVIT	Rescue boat offload w. Onload capability	HR-series	41	5.4.3.5f
GREBEN	Devices For Activating Release: Central Release Unit	NLH-series	40	5.4.3.5b
GREBEN	Devices For Activating Release: Electronic Sensor	NLH-series	42	5.4.3.5c
GREBEN	Lifeboat on load lift not over centre, up and down pins / collars	NLH-series	21	5.4.3.5a
HARDING (UMOESCHAT HARDING)	Devices for activating release: Free Fall Hydraulic Primary and Secondary	FFH-series	44	5.4.3.5d
HARDING (UMOESCHAT HARDING)	Fast rescue boat offload / Manual or automatic	CAR-35F-series, CAR-series, CAR-35-series	41	5.4.3.5f
HARDING (UMOESCHAT HARDING)	Freefall Hydraulic / mechanical	FFH-series	44	5.4.3.5d
HARDING (UMOESCHAT HARDING)	Rescue boat / Davit Launched Liferaft / Lift over centre automatic	ARH 23-series, ARH-series	40	5.4.3.5b
HARDING (UMOESCHAT HARDING)	Rescue boat offload w. Onload capability	RRH-series, RRHIS-series, ARH-series	42	5.4.3.5c
HARDING (UMOESCHAT HARDING) (PALFINGER)	Devices For Activating Release: Central Release Unit	LHR-series, LHR M2-series, LHR9M2-series	40	5.4.3.5b
HARDING (UMOESCHAT HARDING) (PALFINGER)	Devices For Activating Release: Hydrostatic interlock with diaphragm	LHR-series, LHR M2-series	42 / 39	5.4.3.5c / 5.4.3.5a.3
HARDING (UMOESCHAT HARDING) (PALFINGER)	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	LHR-series, LHR M2-series	37 / 21	5.4.3.5a.2 / 5.4.3.5a

HATECKE (ERNST HATECKE)	Devices For Activating Release: Central Release Unit	DUPLEX < 6T-series, DUPLEX > 6T-series	40	5.4.3.5b
HATECKE (ERNST HATECKE)	Devices for activating release: Free Fall Hydraulic Primary and Secondary	GFF-series	44	5.4.3.5d
HATECKE (ERNST HATECKE)	Devices For Activating Release: Hydrostatic interlock with float	DUPLEX < 6T-series, DUPLEX > 6T-series	39	5.4.3.5a.3
HATECKE (ERNST HATECKE)	Fast Rescue Boat Offload with On-Load Capability	SIMPLEX 1,85-series, SIMPLEX-series, SIMPLEX 2,0-series	26	5.4.3.5c
HATECKE (ERNST HATECKE)	Freefall Hydraulic / mechanical	GFF-series, F-series, FF-series	44	5.4.3.5d
HATECKE (ERNST HATECKE)	Lifeboat on load lift not over centre, Curve to flat rotating cam	DUPLEX>6T-series	39 / 21	5.4.3.5a.3 / 5.4.3.5a
HATECKE (ERNST HATECKE)	Lifeboat on load lift over centre	Raft I-series	39	5.4.3.5a.3
HATECKE (ERNST HATECKE)	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	DUPLEX-series	21 / 37	5.4.3.5a / 5.4.3.5a.2
HATECKE (ERNST HATECKE)	Rescue boat offload lift over center	SIMPLEX -series, OFFLOAD-series, DUPLEX-series	43	5.4.3.5e
HATECKE (ERNST HATECKE)	Rescue boat offload w. Onload capability	SIMPLEX-series, DUPLEX-series	43 / 63	5.4.3.5e / 5.4.3.5c
HENRIKSEN	Fast rescue boat offload / Manual or automatic	HCH-series, HMK-series, HMKST-series	43 / 4	5.4.3.5e / 5.4.3.5g
HENRIKSEN	Rescue boat offload	HMK-series, HCH-series	43	5.4.3.5e
HENRIKSEN	Rescue Boat / davit launched life raft automatic	HCH-series	4 / 41	5.4.3.5g / 5.4.3.5f
HLB (HYUNDAI LIFEBOATS)	Devices For Activating Release: Central Release Unit	TALON MK 1-series, TALON MK 2 -series	42	5.4.3.5c
HLB (HYUNDAI LIFEBOATS)	Devices For Activating Release: Hydrostatic interlock with diaphragm	TALON MK 1-series, TALON MK 2 -series, TALON-series	42 / 39	5.4.3.5c / 5.4.3.5a.3
HLB (HYUNDAI LIFEBOATS)	Freefall Hydraulic / mechanical	THP-series, TALON-series	44	5.4.3.5d
HLB (HYUNDAI LIFEBOATS)	Lifeboat on load lift not over centre, flat to flat rotating cams	TALON MK 1-series, BD-series, HD-series, BH-series, BF-series, TALON-series, TALON II-series	38 / 21	5.4.3.5a.1 / 5.4.3.5a
HLB (HYUNDAI LIFEBOATS)	Lifeboat off load release lift over centre	TALON II-series	40	5.4.3.5b
HLB (HYUNDAI LIFEBOATS)	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	TALON MK 2-series	21 / 37	5.4.3.5a / 5.4.3.5a.2
HOEI SENPAKU CO, LTD	Devices For Activating Release: Central Release Unit	HS-series, HS520 96-series, HS650 96-series	42	5.4.3.5c
HOEI SENPAKU CO, LTD	Devices For Activating Release: Hydrostatic interlock with diaphragm	HS-series, HS 520 96-series, HS650 96-series	42 / 39	5.4.3.5c / 5.4.3.5a.3

HOEI SENPAKU CO, LTD	Lifeboat on load lift not over centre, Curve to flat rotating cams	HS520 96-series, HS650 96- series	39 / 21	5.4.3.5a.3 / 5.4.3.5a
HOEI SENPAKU CO, LTD	Lifeboat on load lift not over centre, flat to flat rotating cams	HS-series	21 / 38	5.4.3.5a / 5.4.3.5a.1
HOEI SENPAKU CO, LTD	Lifeboat on load lift not over centre, up and down pins / collars	HS520 83-series, HS650 83- series	21	5.4.3.5a
IHI MARINE UNITED INC	Devices For Activating Release: Central Release Unit	JX-1-series	42	5.4.3.5c
IHI MARINE UNITED INC	Devices For Activating Release: Hydrostatic interlock with diaphragm	JX-1-series	42 / 39	5.4.3.5c / 5.4.3.5a.3
IHI MARINE UNITED INC	Lifeboat on load lift not over centre, up and down pins / collars	JX-1-series	21	5.4.3.5a
IHI CRAFT CO.	Lifeboat on load lift not over center, Curve to flat rotating cams	MARK-series	21 / 39	5.4.3.5a / 5.4.3.5a.3
INDUSTRIA FERRI	Rescue Boat automatic	1448 TN-series, 2500-series	4 / 41	5.4.3.5g / 5.4.3.5f
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD	Devices For Activating Release: Central Release Unit	JX-1-series, JX-1B-series, JXN1B-series, JXN-1C-series	42	5.4.3.5c
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD	Devices for activating release: Free Fall Hydraulic Primary and Secondary	JX-2-series	44	5.4.3.5d
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD	Devices For Activating Release: Hydrostatic interlock with diaphragm	JX-1-series, JX-1B-series, JXN1B-series, JXN-1C-series	42 / 21	5.4.3.5c / 5.4.3.5a
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD	Fast Rescue Boat Offload with On-Load Capability	JXN-series, JXN-3-series, FF-series, HK-series, JX-series, JX-4-series, JX-2-series	9	5.4.3.5e
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD	Rescue Boat offload with onload capability	JX-series, JX-3-series	43	5.4.3.5e
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD	Freefall Hydraulic / mechanical	JX-2-series, JX-series, JX-1-series, JX-3-series, JX-5-series, JXN-3-series	44	5.4.3.5d
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD	Lifeboat on load lift not over centre, up and down pins / collars	JX-1-series, JX-1B-series, JXN1B-series, JXN-1C-series	21	5.4.3.5a
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD	Lifeboat on load lift not over centre	JXN-series, JX-1-series, JX-series	21 / 39	5.4.3.5a / 5.4.3.5a.3
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD.	Lifeboat on load lift not over centre, up and down pins / collars	JX-1-series, JXN-series, 3XN-1C, JXN-JC-series, JY-series, JXN-JY-series	21 / 40 42	5.4.3.5a/ 5.4.3.5b /5.4.3.5c
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Devices For Activating Release: Central Release Unit	NPT-50-series, NPT-HAN-series, NPT-HKC-series, PN-HKC-series, PN-HKC-series	42	5.4.3.5c

JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Devices For Activating Release: Hydrostatic interlock with float	NPT-50-series, NPT-HAN-series, NPT-HKC-series, PN-HKC-series	42 / 39	5.4.3.5c / 5.4.3.5a.3
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Freefall Hydraulic / mechanical	NPT 70HKF-series, NPT-series	44	5.4.3.5d
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Lifeboat on load lift not over centre, Curve to flat rotating cams	NPT-HK-series, NPT 50-series	21 / 39	5.4.3.5a / 5.4.3.5a.3
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	NPT-HKC-series, PN-HKC-series	21 / 37	5.4.3.5a / 5.4.3.5a.2
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Rescue boat / Davit Launched Liferaft / Lift over centre automatic	NPT-HK25F-series	4 / 41	5.4.3.5g / 5.4.3.5f
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Rescue boat offload w. Onload capability	NPT-HK25R-series	9	5.4.3.5e
JIANGYIN NORSAFE	Rescue Boat offload w. onload Capability	K4-series	43	5.4.3.5e
JIANGYIN NORSAFE	Lifeboat onload lift not over center, Flat to flat rotating cams	HK56-series	4 / 41	5.4.3.5g / 5.4.3.5f
JIANGYIN NORSAFE	Free fall hydraulic/mechanic	GES-series, NFFH-series	44	5.4.3.5d
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Devices For Activating Release: Central Release Unit	HK-series, JX-1-series	42 / 9	5.4.3.5c / 5.4.3.5e
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Devices For Activating Release: Hydrostatic interlock with diaphragm	JX-1-series	42 / 39	5.4.3.5c / 5.4.3.5a.3
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Fast Rescue Boat Offload with On-Load Capability	HK-series	9	5.4.3.5e
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Freefall Hydraulic / mechanical	FHK-series	44	5.4.3.5d
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Lifeboat on load lift not over centre, Curve to flat rotating cams	HK-series	21 / 39	5.4.3.5a / 5.4.3.5a.3
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Lifeboat on load lift not over centre, up and down pins / collars	JX-1-series	21	5.4.3.5a
JIANGYINSHI BEIHAI	Devices For Activating Release: Central Release Unit	JYB-HK-series	42 / 9	5.4.3.5c / 5.4.3.5e
JIANGYINSHI BEIHAI	Devices For Activating Release: Hydrostatic interlock with diaphragm	JYB-HK-series	42 / 21	5.4.3.5c / 5.4.3.5a
JIANGYINSHI BEIHAI	Fast Rescue Boat Offload with On-Load Capability	JYB-HK-series	9	5.4.3.5e
JIANGYINSHI BEIHAI	Rescue Boat Offload with On-Load Capability	JYB-HK-series	43	5.4.3.5e
JIANGYINSHI BEIHAI	Freefall Hydraulic / mechanical	JYB-HKF-series, JYB-HK-series, JYBHK-series, JYBHKF-series	44	5.4.3.5d
JIANGYINSHI BEIHAI	Davit launched life raft automatic	HK-series	4 / 41	5.4.3.5g / 5.4.3.5f

JIANGYINSHI BEIHAI	Lifeboat on load lift not over centre, Curve to flat rotating cams	JYB-HK-series	21 / 39	5.4.3.5a / 5.4.3.5a.3
JIANGYINSHI BEIHAI	Lifeboat on load lift over centre	HK56-series	21 / 39	5.4.3.5a / 5.4.3.5a.3
JIANGYINSHI BEIHAI	Lifeboat on load lift not over centre, flat to flat rotating cams	JYBHK-series, HK-series	21 / 38	5.4.3.5a / 5.4.3.5a.1
MADROCK	Devices For Activating Release: Central Release Unit	ROCLOC-series	42 / 9	5.4.3.5c / 5.4.3.5e
MADROCK	Devices For Activating Release: Hydrostatic interlock with float	ROCLOC-series	42 / 39	5.4.3.5c / 5.4.3.5a.3
MADROCK	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	ROCLOC-series	21 / 37	5.4.3.5a / 5.4.3.5a.2
MANSEI	Rescue boat / Davit Launched Liferaft / Lift over centre automatic	RH-series, RH3-series	4 / 41	5.4.3.5g / 5.4.3.5f
MILLS	Davit launched life raft automatic	TITAN-series	4 / 41	5.4.3.5g / 5.4.3.5f
NADIRO	Lifeboat on load lift over center	DIB-series, DIB32-series	4 / 41	5.4.3.5g / 5.4.3.5f
NED-DECK MARINE	Rescue boat / Davit Launched Liferaft / Lift over centre automatic	CAR 35-series, CAR-series	4 / 41	5.4.3.5g / 5.4.3.5f
NED-DECK MARINE	Rescue Boat offload with onload Capability	CAR-series, ARH-series	43	5.4.3.5e
NED-DECK MARINE	Rescue boat automatic	CAR-series	4 / 41	5.4.3.5g / 5.4.3.5f
NAVALIMPIANTI	Fast rescue boat offload	RH-3000-series	43 / 4	5.4.3.5e / 5.4.3.5g
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Devices For Activating Release: Central Release Unit	HK-series	42 / 9	5.4.3.5c / 5.4.3.5e
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Lifeboat on load lift not over centre, Curve to flat rotating cams	HK-series	21 / 39	5.4.3.5a / 5.4.3.5a.3
NISHI-F CO., LTD. (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Devices For Activating Release: Central Release Unit	IHM 12-series, IHM 13-series, NS -series	42 / 9	5.4.3.5c / 5.4.3.5e
NISHI-F CO., LTD. (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Devices for activating release: Free Fall Hydraulic Primary and Secondary	F-series, ML-series	44	5.4.3.5d
NISHI-F CO., LTD. (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Devices For Activating Release: Hydrostatic interlock with float	IHM 12-series, IHM 13-series, NS -series	42 / 39	5.4.3.5c / 5.4.3.5a.3
NISHI-F CO., LTD. (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Freefall Hydraulic / mechanical	F-series, ML-series, IHIM-series, CML-series, NS-series	44	5.4.3.5d
NISHI-F CO., LTD. (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Lifeboat on load lift not over centre, Curve to flat rotating cams	NS-series, SR-3-series	21 / 39	5.4.3.5a / 5.4.3.5a.3
NISHI-F CO., LTD. (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Lifeboat on load lift not over centre, up and down pins / collars	IHM 12-series, IHM 13-series	21	5.4.3.5a
NOREQ	Fast Rescue Boat Offload with On-Load Capability	JXN-3-series	9	5.4.3.5e
NOREQ	Free fall hydraulic	LBF-series	44	5.4.3.5d
NORSAFE	Lifeboat on load lift not over center	Tor; Tor MK; K4 FM; Tor MK2; 7T-series	21 / 39	5.4.3.5a / 5.4.3.5a.3

NORSAFE	Free fall hydraulic	GES; FF; Sim; NFH series	44	5.4.3.5d
NORSAFE	Rescue Boat offload	KD; K4-FM; HK series	43	5.4.3.5e
NORSAFE	Lifeboat onload lift not over center, Curve to flat rotating cams	MK-; MK-2;-series	21 / 39	5.4.3.5a / 5.4.3.5a.3
NORSAFE	Lifeboat onload lift not over center, Flat to flat rotating cams	CN4495/CN4494-series	21 / 38	5.4.3.5a / 5.4.3.5a.1
NORSAFE	Fast rescue boat offload	K4-D; K-4-FM; K4D-series	43 / 4	5.4.3.5e / 5.4.3.5g
NORSAFE	Rescue Boat offload w. onload Capability	RRH 15-series, RRH-series	43	5.4.3.5e
NORSAFE	Lifeboat offload release lift over center	Tor VK2; K4-series	40	5.4.3.5b
NORSAFE	Lifeboat onload lift over center	Hydraulic series	4 / 41	5.4.3.5g / 5.4.3.5f
NPT	Free fall hydraulic	HK336-series	44	5.4.3.5d
OPTIMUN MARINE	Rescue boat / Davit Launched Liferaft / Lift over centre automatic	31-37KN-series	4 / 41	5.4.3.5g / 5.4.3.5f
PALFINGER	Devices For Activating Release: Central Release Unit	NADIRO D.I.B.SERIES-series	42	5.4.3.5c
PALFINGER	Devices for activating release: Free Fall Hydraulic Primary and Secondary	FFH-series, NPT-series	42 / 39	5.4.3.5c / 5.4.3.5a.3
PALFINGER	Fast rescue boat offload / Manual or automatic	CAR-35F-series, Fast RSQ-series, CAR-F-series	41	5.4.3.5f
PALFINGER	Freefall Hydraulic / mechanical	FFH-series	44	5.4.3.5d
PALFINGER	Rescue boat / Davit Launched Liferaft / Lift over centre automatic	CAR 35-series	41	5.4.3.5f
PALFINGER	Rescue boat offload w. Onload capability	RRH-series, CAR-series, MOB-series	9	5.4.3.5e
PESBO S.A	Freefall Hydraulic / mechanical	BSL-series	44	5.4.3.5d
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Devices For Activating Release: Central Release Unit	BG-series	42	5.4.3.5c
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Lifeboat onload lift not over center	BG; BHH; BH; FS-series	21 / 39	5.4.3.5a / 5.4.3.5a.3
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Lifeboat onload lift not over center, Flat to flat rotating cams	BG; BHH-series	21 / 38	5.4.3.5a / 5.4.3.5a.1
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Lifeboat onload lift not over center, Up & down pins	BHH; BG-3-series	21	5.4.3.5a
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Lifeboat onload lift over center	BG-3, BG-series	4 / 41	5.4.3.5g / 5.4.3.5f
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Lifeboat offload release lift over Center	BG-series, BG-3-series	40	5.4.3.5b
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Free fall hydraulic	BG-series	44	5.4.3.5d
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Rescue Boat offload	BG-series	43	5.4.3.5e

QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Rescue Boat offload w. onload Capability	BG-3F-series, BG-series	43	5.4.3.5e
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Lifeboat onload lift not over center, Curve to flat rotating cams	BG-3F-series, BG-series	21 / 39	5.4.3.5a / 5.4.3.5a.3
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Devices For Activating Release: Hydrostatic interlock with diaphragm	BG-series	42 / 39	5.4.3.5c / 5.4.3.5a.3
SCHAT HARDING	Rescue Boat offload w. onload Capability	RRH; ARH; MOB; SSR; RRH 15-series	43	5.4.3.5e
SCHAT HARDING	Lifeboat onload lift not over center, Flat to flat rotating cams	FFH-series	21 / 38	5.4.3.5a / 5.4.3.5a.1
SCHAT HARDING	Lifeboat onload lift not over center, Curve to curve rotating cams	LHR-series	21 / 39	5.4.3.5a / 5.4.3.5a.3
SCHAT HARDING	Free fall hydraulic	ARH; H86-series	44	5.4.3.5d
SCHAT HARDING	Lifeboat onload lift not over center, Up & down pins	50-85 series	21	5.4.3.5a
SCHAT HARDING	Lifeboat offload release lift over Center	H-36-M; FFH-series	40	5.4.3.5b
SCHAT HARDING	Fast rescue boat offload	RH; RRH-series	41	5.4.3.5f
SCHAT HARDING	Rescue Boat automatic	ARH; CAR 35-series	4 / 41	5.4.3.5g / 5.4.3.5f
SCHAT HARDING	Lifeboat onload lift not over center	KH; LHR9M2-series	21 / 39	5.4.3.5a / 5.4.3.5a.3
SCHAT HARDING	Rescue Boat, single fall	RRH 25-series	43	5.4.3.5e
SCHAT HARDING	Davit launched liferaft automatic	ARH-series	4 / 41	5.4.3.5g / 5.4.3.5f
SEZAMOR	Davit launched liferaft automatic	HS30-series	4 / 41	5.4.3.5g / 5.4.3.5f
SEZAMOR	Lifeboat onload lift over center	HS-series, HL-series, HLR-series	40	5.4.3.5b
SEZAMOR	Rescue Boat offload w. onload Capability	HLR-series, HL-series	43	5.4.3.5e
SHIGI SHIPBUILDING CO.	Davit launched liferaft automatic	DUPLEX-series	4 / 41	5.4.3.5g / 5.4.3.5f
SHIGI SHIPBUILDING CO.	Lifeboat onload lift not over center, Up & down pins	SZK-series, SZ-series	21	5.4.3.5a
SHIGI SHIPBUILDING CO.	Lifeboat onload lift not over center, Flat to flat rotating cams	SZK-series, SZ-series, SRS-series-SR-series	21 / 38	5.4.3.5a / 5.4.3.5a.1
SHIGI SHIPBUILDING CO.	Lifeboat onload lift not over center	SZK-series, SZ-series, SRS-series-SR-series	21 / 39	5.4.3.5a / 5.4.3.5a.3
SURVITEC	Davit launched liferaft automatic	SLA-series	4 / 41	5.4.3.5g / 5.4.3.5f
SURVITEC	Rescue Boat offload w. onload Capability	SLA-series, SAFELAUNCH-series	43	5.4.3.5e
SURVITEC	Lifeboat onload lift not over center	SLA-series, SAFELAUNCH-series	21 / 39	5.4.3.5a / 5.4.3.5a.3
SURVITEC	Rescue Boat automatic	SLA-series, SAFELAUNCH-series	4 / 41	5.4.3.5g / 5.4.3.5f
SURVITEC	Lifeboat onload lift not over center	SLA-series, SAFELAUNCH-series	21 / 39	5.4.3.5a / 5.4.3.5a.3

SURVIVAL SYSTEMS INTERNATIONAL	Lifeboat onload lift over center	TRIPLE 5LX-series	40	5.4.3.5b
SURVIVAL SYSTEMS INTERNATIONAL	Lifeboat onload lift not over center	TFLX-series	21 / 39	5.4.3.5a / 5.4.3.5a.3
TSUNEISHI FACILITIES & CRAFT	Lifeboat onload lift over center	43GS-1-series	40	5.4.3.5b
TSUNEISHI FACILITIES & CRAFT	Lifeboat onload lift not over center	43GS-1-series	21 / 39	5.4.3.5a / 5.4.3.5a.3
VANGUARD	Lifeboat onload lift not over center, Up & down pins	SH-series	21	5.4.3.5a
VANGUARD	Rescue Boat offload w. onload Capability	SH-series	43	5.4.3.5e
VEST DAVIT AS.	Fast rescue boat offload	Offload TH 5478 series	41	5.4.3.5f
VIKING (NORSAFE)	Devices for activating release: Free Fall Hydraulic Primary and Secondary	GES-series, HRS-series, NFFH-series	44	5.4.3.5d
VIKING (NORSAFE)	Devices For Activating Release: Hydrostatic interlock with diaphragm	TOR MK 1-series, TOR MK 2- series	42 / 39	5.4.3.5c / 5.4.3.5a.3
VIKING (NORSAFE)	Fast Rescue boat offload	K4-series, VIKING 1,8-series	43 / 9	5.4.3.5e
VIKING (NORSAFE)	Rescue Boat offload with on load capability	HR-series	43	5.4.3.5e
VIKING (NORSAFE)	Freefall Hydraulic / mechanical	HRS-series, NFFH-series	44	5.4.3.5d
VIKING (NORSAFE)	Lifeboat on load lift not over centre, flat to flat rotating cams	TOR MK 1-series, TOR MK 2- series	21 / 38	5.4.3.5a / 5.4.3.5a.1
WATERCRAFT	Lifeboat onload lift over center	TITAN-series	40	5.4.3.5b
WILLIAM MILLS	Devices For Activating Release: Central Release Unit	TITAN-series	42	5.4.3.5c
WILLIAM MILLS	Devices For Activating Release: Hydrostatic interlock with diaphragm	TITAN-series	42 / 39	5.4.3.5c / 5.4.3.5a.3
WILLIAM MILLS	Lifeboat Offload release lift over centre	EMPRESS-series	40	5.4.3.5b
WILLIAM MILLS	Lifeboat on load lift not over centre, flat to flat rotating cams	TITAN-series	21 / 38	5.4.3.5a / 5.4.3.5a.1
WUXI HAI HONG	Lifeboat onload lift over center	HH43, HH65C-series	40	5.4.3.5b
WUXI MINGZI MACHINERY	Lifeboat onload lift not over center, Up & down pins	WHK-series	21	5.4.3.5a
WUXI MINGZI MACHINERY	Lifeboat onload lift not over center, Curve to flat rotating cams	WHK-series	21 / 39	5.4.3.5a / 5.4.3.5a.3
WUXI MINGZI MACHINERY	Rescue Boat offload w. onload Capability	WHK-series	43	5.4.3.5e
WUXI MINGZI MACHINERY	Rescue Boat offload	WHK-series, 150-T 15-series	43	5.4.3.5e
WUXI MINGZI MACHINERY	Fast rescue Boat offload	WHK-series, 150-T 15-series, 250 T-series	41	5.4.3.5f
WUXI WENJIAO	Fast Rescue Boat Offload with On-Load Capability	HK-series	9	5.4.3.5e



WUXI XINGSHENG	Rescue boat / Davit Launched Liferaft / Lift over centre automatic	XS-series	4 / 41	5.4.3.5g / 5.4.3.5f
WUXI XINGSHENG	Rescue boat offload w. Onload capability	XS15-series	9 / 43	5.4.3.5e
YILMAZ DENİZCİLİK	Rescue Boat offload w. onload Capability	YD series,	43	5.4.3.5e
ZHENJIANG MARINE AUXILIARY MACHINERY	Lifeboat on load lift not over centre, Curve to flat rotating cams	HK-series, HS-series, SH-series, H-series	21 / 39	5.4.3.5a / 5.4.3.5a.3

## PROPULSION

MAKE	TYPE	MODEL	EXCEL REFERENCE	ISO23678 REFERENCE
BUKH	In board	DV 24 RME-series	22 / 27 / 76	5.4.3.2a
HLB (HYUNDAI LIFEBOATS)	In board	HB29D1-series	22 / 27 / 76	5.4.3.2a
MERCURY	Outboard	15P-series	5 / 10	5.4.3.2b
NARWHAL	Outboard	NARWHAL / SV-420-series	5 / 10	5.4.3.2b
YAMAHA	In board	25 HP-series	22 / 27 / 76	5.4.3.2a
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	In board	380J-3-series	22 / 27 / 76	5.4.3.2a
STEYR	Jet drive, propeller drive	MO144M38	15	5.4.3.2c / 5.4.3.2d

## WINCH

MAKE	TYPE	MODEL	EXCEL REFERENCE	ISO 23678 REFERENCE
ABAS	Single drum/gravity lowering/Hydraulic hoisting	MDE-series	7	5.4.3.4.b / 5.4.3.4.c.2
ACEBI	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	TBE-series	7	5.4.3.4.b / 5.4.3.4.c.2
ACEBI	Single drum/gravity lowering/Hydraulic hoisting	SPG-20-I; RRP-76-RAD-01-series	7	5.4.3.4.b / 5.4.3.4.c.2
ACEBI	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	TR-series	7	5.4.3.4.b / 5.4.3.4.c.2
ACEBI	Twin Drum, gravity lowering /electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	TBE-series	19	5.4.3.4.c.4
ACOIN	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	BE-2-series	7	5.4.3.4.b / 5.4.3.4.c.2
ACTA	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	KNT-series	7	5.4.3.4.b / 5.4.3.4.c.2
ACTA	Single drum/gravity lowering/electric. Hoisting w/holding static brakes with Friction pads	KMER-series	7	5.4.3.4.b / 5.4.3.4.c.2
ACTA	Single drum	KMER-series	12 / 24	5.4.3.4.d / 5.4.3.4.c.5 / 5.4.3.4.a
ACTA	Single drum/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	KMER-series	7	5.4.3.4.b / 5.4.3.4.c.2

ALEXANDER WELIN	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	AIW-series	7	5.4.3.4.b / 5.4.3.4.c.2
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	BDF-series, BLW-series, BMW-series, BRW-series, BAW-series, FHW-series, HDF-series, PWD-series	7	5.4.3.4.b / 5.4.3.4.c.2
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Single Drum, hydraulic lowering/hydraulic hoisting	BDF-series, BLW-series, BMW-series, BRW-series, BAW-series, HDF-series, PWD-series, FHW-series	12 / 24	5.4.3.4.d / 5.4.3.4.c.5 / 5.4.3.4.a
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Twin Drum, gravity lowering /electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	BA-series, BM-series, PWD-series, BWL-series, BWR-series	19	5.4.3.4.c.4
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Twin Drum, gravity lowering /electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	BDTW-series, BMW-series, BW-series, BWR-series, BWL-series	19	5.4.3.4.c.4
BADA HEAVY INDUSTRIES CO. LTD	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	BDF-series, BLW-series, BMW-series, BRW-series, BAW-series, HDF-series, PWD-series, FHW-series	7	5.4.3.4.b / 5.4.3.4.c.2
DAVIT COMPANY	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	16 EV-series, SRR-series, FM-series	7	5.4.3.4.b / 5.4.3.4.c.2
DAVIT COMPANY	Twin Drum, gravity lowering /electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	24EPB-series, FB-series, ARVE-series	19	5.4.3.4.c.4
DAVIT INTERNATIONAL	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	01KN-series, 02KN-series, 03KN-series, 04KN-series, 06KNseries, 07KN-series, D-BR-series, D-CRM-series, D-BC-series, D-FH-series, D-NPS-series, D-TT-series	7	5.4.3.4.b / 5.4.3.4.c.2
DAVIT INTERNATIONAL	Single Drum, hydraulic lowering/hydraulic hoisting	06KN-series, D-CRM-series, D-BC-series, D-FH-series, D-TT-series	12 / 24	5.4.3.4.d / 5.4.3.4.c.5 / 5.4.3.4.a
DAVIT INTERNATIONAL	Twin Drum, gravity lowering /electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	02-series, 03-series, 04-series, 12-series, 40-series, D-NP-series, D-TT-	19	5.4.3.4.c.4

		series, D-FO-series, D-RT-series		
DAVIT INTERNATIONAL	Twin Drum, hydraulic lowering/hydraulic hoisting	D-FH-series, D-TF-series	80 / 19	5.4.3.4.c.4
DONGNAM MARINE CRANE CO, LTD. (Sangsangin Industry Co Ltd)	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	DSAD-series, DRLD; LHRD; DRDB; DSND-series	7	5.4.3.4.b / 5.4.3.4.c.2
DONGNAM MARINE CRANE CO, LTD. (Sangsangin Industry Co Ltd)	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	DRBD-series, DRLD-series, DRBLRW-series	7	5.4.3.4.b / 5.4.3.4.c.2
DONGNAM MARINE CRANE CO, LTD. (Sangsangin Industry Co Ltd)	Twin drums/gravity lowering/electric. Hoisting w/holding static brakes with Mechanically operated multiple disks Friction pads	DHGD; HGW; DLBW, HF38-series	80 / 19	5.4.3.4.c.4
DONGWOO MACHINERY & ENGINEERING CO., LTD.	Twin Drum, gravity lowering /electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	LW-series, DBS; DWS; LW; RW-series	80 / 19	5.4.3.4.c.4
DONGWOO MACHINERY & ENGINEERING CO., LTD.	Twin drums/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	DWS; DWS-10A; Electric driven series	80 / 19	5.4.3.4.c.4
ERNST HATECKE	Single drum/gravity lowering/Hydraulic hoisting	BBK-series	7	5.4.3.4.b / 5.4.3.4.c.2
ERNST HATECKE	Twin drums/gravity lowering/Hydraulic hoisting	FFA-series	80 / 19	5.4.3.4.c.4
EO LIFESAVING	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	W-series	7	5.4.3.4.b / 5.4.3.4.c.2
FASSMER	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	DEW--FOD80, FPD80, FHD80, FHD175, FSAR 14, FSAR 21-series, FSARR-series	7	5.4.3.4.b / 5.4.3.4.c.2
FASSMER	Single Drum, hydraulic lowering/hydraulic hoisting	FFWH-series	12 / 24	5.4.3.4.d / 5.4.3.4.c.5 / 5.4.3.4.a
FASSMER	Twin Drum, gravity lowering /electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake hydraulic pump	FDW-series, DEW-series	80 / 19	5.4.3.4.c.4
FASSMER	Twin Drum, gravity lowering /electrically hoisting w/holding static brakes, multiple disks, hydraulically operated / decent brake hydraulic pump	FDW-series, DEW-series	80 / 19	5.4.3.4.c.4
FASSMER MARLAND	Single Drum, hydraulic lowering/hydraulic hoisting	FFWH-series	12 / 24	5.4.3.4.d / 5.4.3.4.c.5 / 5.4.3.4.a
FERRI	Single Drum, hydraulic lowering/hydraulic hoisting	MMI-series	12 / 24	5.4.3.4.d / 5.4.3.4.c.5 / 5.4.3.4.a
GLOBAL DAVIT	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	01KN-series, 02KN-series, 03KNseries, 04KN-series, 08KN-series, FHS.S-series, W02-series, W04-series, W07-series,	7	5.4.3.4.b / 5.4.3.4.c.2

		W08-series, RMS.L-series, O2E-series, RHS.L-series		
GLOBAL DAVIT	Single Drum, hydraulic lowering/hydraulic hoisting	W05HC-series, W08HC-series, WS-series	12 / 24	5.4.3.4.d / 5.4.3.4.c.5 / 5.4.3.4.a
GLOBAL DAVIT	Twin Drum, gravity lowering /electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	W05HC-series up to W20HC	7	5.4.3.4.b / 5.4.3.4.c.2
GREBEN	Single Drum, hydraulic lowering/hydraulic hoisting	HW-series, SAR-series, EW2-series	12 / 24	5.4.3.4.d / 5.4.3.4.c.5 / 5.4.3.4.a
GREBEN	Twin Drum, gravity lowering /electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	CW-series, EW-series, HW-series, SAR-series	80 / 19	5.4.3.4.c.4
GURDESAN	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	GD-FLW-series	7 / 88	5.4.3.4.b / 5.4.3.4.c.2 / 88
GURDESAN	Single Drum, hydraulic lowering/hydraulic hoisting	GD-HC-A-series, GD-PR-series, GD-KHK-series, GD-RRS-series, KHK-series	12 / 24	5.4.3.4.d / 5.4.3.4.c.5 / 5.4.3.4.a
GURDESAN	Twin drums/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	GD-FLW-series, GD-series	80 / 19	5.4.3.4.c.4
HAEAN MACHINERY IND. CO. LTD.	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	HMI-series	7	5.4.3.4.b / 5.4.3.4.c.2
HAEAN MACHINERY IND. CO. LTD.	Single Drum, hydraulic lowering/hydraulic hoisting	HHD-PC-series	12 / 24	5.4.3.4.d / 5.4.3.4.c.5 / 5.4.3.4.a
HARDING (UMOESCHAT HARDING)	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	16 EBR-series, EW02 PL-series	7	5.4.3.4.b / 5.4.3.4.c.2
HARDING (UMOESCHAT HARDING)	Single Drum gravity lowering hydraulic hoisting	EW8PL HS-series	7	5.4.3.4.b / 5.4.3.4.c.2
HARDING (UMOESCHAT HARDING)	Twin Drum, gravity lowering /electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	HD-series, MW-series, LWO-series	80 / 19	5.4.3.4.c.4
HARDING (UMOESCHAT HARDING)	Twin Drum, gravity lowering /electrically hoisting w/holding static brakes, multiple disks, hydraulically operated / decent brake hydraulic pump	CW-series, W-series, LWO-series	80 / 19	5.4.3.4.c.4
HARDING (UMOESCHAT HARDING) (SCHAT DAVIT COMPANY) (PALFINGER)	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	08-02-series, FME-series	7	5.4.3.4.b / 5.4.3.4.c.2
HARDING (UMOESCHAT HARDING) (SCHAT DAVIT COMPANY) (PALFINGER)	Twin Drum, gravity lowering /electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	BE-series, LWO-series	80 / 19	5.4.3.4.c.4
HARDING (WATERCRAFT)	Twin Drum, gravity lowering /electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	MW-series, NW-series, LWO-series	80 / 19	5.4.3.4.c.4
HATECKE (ERNST HATECKE)	Single Drum, hydraulic lowering/hydraulic hoisting	FFA-series	12 / 24	5.4.3.4.d / 5.4.3.4.c.5 / 5.4.3.4.a
HLB	Twin drums/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	BA; BM; BW; BL; BWE-series	80 / 19	5.4.3.4.c.4

HLB	Single drum/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	BR-series	7	5.4.3.4.b / 5.4.3.4.c.2
HYDRALIFT	Single Drum, hydraulic lowering/hydraulic hoisting	SP-series	12 / 24	5.4.3.4.d / 5.4.3.4.c.5 / 5.4.3.4.a
HYDRALIFT	Single drum	HL-series	12 / 24	5.4.3.4.d / 5.4.3.4.c.5 / 5.4.3.4.a
HYDRALIFT	Single drum/gravity lowering/Hydraulic hoisting	SP7-V-2174-2A2 series;3622 series	7	5.4.3.4.b / 5.4.3.4.c.2
HYDRAULIK & MACHINENBAU	Single drum/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	B-series	7	5.4.3.4.b / 5.4.3.4.c.2
HYUNDAI LIFEBOATS CO.	Single drum/gravity lowering/Hydraulic hoisting	HDF-series	7	5.4.3.4.b / 5.4.3.4.c.2
IHI MARINE UNITED INC	Twin Drum, gravity lowering /electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	MUW-series	80 / 19	5.4.3.4.c.4
IHI MARINE UNITED INC	Single drum/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	MUW-series	7	5.4.3.4.b / 5.4.3.4.c.2
IKNOW MACHINARY	Twin Drum, gravity lowering /electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	EB-series	80 / 19	5.4.3.4.c.4
IMT CO., LTD	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	ILR-W-series	7	5.4.3.4.b / 5.4.3.4.c.2
INI HYDRAULIC	Twin drums/gravity lowering/electric. Hoisting w/holding static brakes/Multiple disks hydraulically operated	IMB-series, IMC-series, INM-series, IPM-series, ZHP-series	80 / 19	5.4.3.4.c.4
INI HYDRAULIC	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	IMB-series, IMC-series, INM-series, IPM-series, ZHP-series	7	5.4.3.4.b / 5.4.3.4.c.2
JAPAN MARINE UNITED CORP.	Twin Drum, gravity lowering /electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	MU-series	80 / 19	5.4.3.4.c.4
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	JYRZ-series	7	5.4.3.4.b / 5.4.3.4.c.2
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD	Single Drum Gravity lowering / hydraulic hoisting	JYFW-series, JYRZ-series, JYR-series, JYF-series, FW-series, JY-series	7	5.4.3.4.b / 5.4.3.4.c.2
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD	Single Drum, hydraulic lowering/hydraulic hoisting	FW-series	12 / 24	5.4.3.4.d / 5.4.3.4.c.5 / 5.4.3.4.a
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD	Twin Drum, gravity lowering /electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	JYW-series, JYWP-series, JYWN-series, JY-series	80 / 19	5.4.3.4.c.4
JIANGYINSHI BEIHAI LSA CO.	Single drum/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	JYB; SM; FA; BHGH170-series	7	5.4.3.4.b / 5.4.3.4.c.2
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	NPT-DW-series, NPT-series	7	5.4.3.4.b / 5.4.3.4.c.2

JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Twin Drum, gravity lowering /electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	NPT-DS-series, NPT-DW-series	80 / 19	5.4.3.4.c.4
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Twin Drum, gravity lowering /electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	JYD-series	80 / 19	5.4.3.4.c.4
JIANGYINSHI BEIHAI	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	YZ-series	7	5.4.3.4.b / 5.4.3.4.c.2
JIANGYINSHI BEIHAI	Twin Drum, gravity lowering /electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	DS-series, DW-series, DZ-series, JYBW-series	80 / 19	5.4.3.4.c.4
JIANGYIN NORSAFE	Single drum/gravity lowering/Hydraulic hoisting	FHD-series	7	5.4.3.4.b / 5.4.3.4.c.2
JIANGYIN XINJIANG	Single drum/gravity lowering/Hydraulic hoisting	JYW70-series	7	5.4.3.4.b / 5.4.3.4.c.2
JUNG-A-MARINE CO., LTD	Twin Drum, gravity lowering /electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	PCRLC-series	80 / 19	5.4.3.4.c.4
MACGREGOR (TTS) (HYDRAMARINE)	Single Drum, hydraulic lowering/hydraulic hoisting	HMW-series, MAC-series	12 / 24	5.4.3.4.d / 5.4.3.4.c.5 / 5.4.3.4.a
MANSEI	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	M-series, MW-series, ERW-series, MLW-series, RMW-series, SW-series, N-995-series,	7	5.4.3.4.b / 5.4.3.4.c.2
MANSEI	Single Drum, hydraulic lowering/hydraulic hoisting	M-series, MW-series, 06KN-series, FW-series, SW-series	12 / 24	5.4.3.4.d / 5.4.3.4.c.5 / 5.4.3.4.a
MANSEI	Twin Drum, gravity lowering /electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	M-series, MW-series, AW-series, CMW-series, EW-series, MW-series, EH-series, EELF-series, N-series	80 / 19	5.4.3.4.c.4
MANSEI	Twin Drum, gravity lowering /electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	M-series, MW-series, ABW-series, FBW-series, EH-series, EELF-series, EW-series, N-716-series	80 / 19	5.4.3.4.c.4
MIURA MACHINE CO, LTD (MIURA VIDER) (MANSEI)	Twin Drum, gravity lowering /electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	LBH-series, RBH-series	19	5.4.3.4.c.4
MIURA MACHINE CO, LTD (MIURA VIDER) (MANSEI)	Single drum/gravity lowering/Hydraulic hoisting	RBH-series, LBH-series	7	5.4.3.4.b / 5.4.3.4.c.2
MONTMONTAZA GREBEN	Single drum/gravity lowering/Hydraulic hoisting	BREVINI-series	7	5.4.3.4.b / 5.4.3.4.c.2
NAVALIMPIANTI & TECHNIMPIANTI	Twin drums/gravity lowering/electric. Hoisting w/holding static brakes with Mechanically operated multiple disks Friction pads	EW; REW; RBEW; RMW-series	80 / 19	5.4.3.4.c.4

NAVALIMPIANTI & TECHNIMPIANTI	Twin drums/gravity lowering/electric. Hoisting w/holding static brakes with Friction pads	EWR; DG-EHW-series	80 / 19	5.4.3.4.c.4
NED-DECK MARINE (PALFINGER)	Single Drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	WL; 04.03 E QR; 04.03 E-series	7	5.4.3.4.b / 5.4.3.4.c.2
NED-DECK MARINE (PALFINGER)	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	HWCT-series	7 / 2	5.4.3.4.b / 5.4.3.4.c.2 / 5.4.3.4.c.1 / 5.4.3.4.c.3
NED-DECK MARINE (PALFINGER)	Twin Drum, gravity lowering /electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	15-series, SCH 10-5.2R series; SCM-series, 04.03 E-series	80 / 19	5.4.3.4.c.4
NINGBO ASIA FRP BOAT MANUFACTURING CO.	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	DS; DZ; Z; YZD; D-series	7	5.4.3.4.b / 5.4.3.4.c.2
NINGBO NEW MARINE LIFESAVING EQUIPMENT	Single drum/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	NMW-series	7	5.4.3.4.b / 5.4.3.4.c.2
NOR DAVIT	Twin Drum, gravity lowering /electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	SP-series	80 / 19	5.4.3.4.c.4
NOREQ (PALFINGER)	Single Drum, hydraulic lowering/hydraulic hoisting	NW-series	12 / 24	5.4.3.4.d / 5.4.3.4.c.5 / 5.4.3.4.a
NOREQ (PALFINGER)	Twin Drum, gravity lowering /electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	NW-series, NOREQ-series	80 / 19	5.4.3.4.c.4
NORSAFE	Twin drums/gravity lowering/electric. Hoisting/hydraulic pump lowering brakes	NWE, LH-series, DW-series, HD-series	80 / 19	5.4.3.4.c.4
NORSAFE	Single drum/gravity lowering/Hydraulic hoisting	NWE, LH-series, DW-series, HD-series	7	5.4.3.4.b / 5.4.3.4.c.2
ORIENTAL PRECISION	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	RDW-series, WL-series, SWE-series, FD-series, OP-series, RD-series, BWE-series	7 / 2	5.4.3.4.b / 5.4.3.4.c.2 / 5.4.3.4.c.1 / 5.4.3.4.c.3
ORIENTAL PRECISION	Single Drum, hydraulic lowering/hydraulic hoisting	WL-series	12 / 24	5.4.3.4.d / 5.4.3.4.c.5 / 5.4.3.4.a
ORIENTAL PRECISION	Twin Drum, gravity lowering /electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	BWE-series, SWE-series, RDW-series, WL-series	80 / 19	5.4.3.4.c.4
PALFINGER	Twin Drum, gravity lowering /electrically hoisting w/holding static brakes, multiple disks, hydraulically operated / decent brake hydraulic pump	CW-series, W-series, BWF-series	80 / 19	5.4.3.4.c.4
PALFINGER	Single drum/gravity lowering/electric. Hoisting w/holding static brakes with Friction pads	N-series	7	5.4.3.4.b / 5.4.3.4.c.2
PELLEGRINI MARINE EQUIPMENT	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	RLC-series	7 / 2	5.4.3.4.b / 5.4.3.4.c.2 / 5.4.3.4.c.1 / 5.4.3.4.c.3
PELLEGRINI MARINE EQUIPMENT	Twin Drum, gravity lowering /electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	VAS 45 E-series	80 / 19	5.4.3.4.c.4
QINGDAO BEIHAI SHIPBUILDING HEAVY	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	BW-SC-series	7 / 2	5.4.3.4.b / 5.4.3.4.c.2 / 5.4.3.4.c.1 / 5.4.3.4.c.3

INDUSTRY CO. LTD.				
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Twin Drum, gravity lowering /electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	BW-HL-series, BW-HR-series, BW-LL-series	80 / 19	5.4.3.4.c.4
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Twin drums/gravity lowering/electric. Hoisting w/holding static brakes with Friction pads	BD-series, BW-series	80 / 19	5.4.3.4.c.4
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Twin drums/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	BE-series, BW-series, BD-series, YSB-series	80 / 19	5.4.3.4.c.4
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Single drum/gravity lowering/electric. Hoisting w/holding static brakes with Friction pads	BE-series, BW-series	7	5.4.3.4.b / 5.4.3.4.c.2
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Single drum/gravity lowering/Hydraulic hoisting	BE-series, BW-series, BD-series, YSB-series	7	5.4.3.4.b / 5.4.3.4.c.2
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Twin drums/gravity lowering/electric. Hoisting w/holding static brakes with Mechanically operated multiple disks Friction pads	BW-series, LL-series	80 / 19	5.4.3.4.c.4
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Single drum/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	BW-SC-series	7	5.4.3.4.b / 5.4.3.4.c.2
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Twin drums/gravity lowering/Hydraulic hoisting	BHA-series	80 / 19	5.4.3.4.c.4
SCHAT DAVIT COMPANY	Twin drums/gravity lowering/electric. Hoisting w/holding static brakes with Friction pads	BE-series	80 / 19	5.4.3.4.c.4
SCHAT DAVIT COMPANY	Single drum/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	FME-series, MOB-series, PAR21-series	7	5.4.3.4.b / 5.4.3.4.c.2
SCHAT DAVIT COMPANY	Twin drums/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	BE-series	80 / 19	5.4.3.4.c.4
SCHAT HARDING	Twin drums/gravity lowering/electric. Hoisting w/holding static brakes with Friction pads	2; 3 series; BE series	80 / 19	5.4.3.4.c.4
SCHAT HARDING	Single drum/gravity lowering/electric. Hoisting w/holding static brakes with Friction pads.	BE; W; FME 2.7; WH; FME-series	7	5.4.3.4.b / 5.4.3.4.c.2
SCHAT HARDING	Single drum/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	BE; W120; FME;08-02; SRR; W120-series	7	5.4.3.4.b / 5.4.3.4.c.2
SCHAT HARDING	Single drum/gravity lowering/Hydraulic hoisting	BE; EWO8, TW; 08-02; WHO2-LD; FME; HD-series	7	5.4.3.4.b / 5.4.3.4.c.2
SCHAT HARDING	Twin drums/gravity lowering/electric. Hoisting w/holding static brakes with Mechanically operated multiple disks Friction pads	LW-series, TW-series	80 / 19	5.4.3.4.c.4



SCHAT HARDING	Twin drums/gravity lowering/electric. Hoisting w/holding static brakes/Multiple disks hydraulically operated	TW-series, BE-series	80 / 19	5.4.3.4.c.4
SCHAT HARDING	Twin drums/gravity lowering/electric. Hoisting/hydraulic pump lowering brakes	TW-series, BE-series, W80L-series	80 / 19	5.4.3.4.c.4
SCHAT HARDING	Twin drums/gravity lowering/Hydraulic hoisting	TW-series, BE-series, W80L-series	80 / 19	5.4.3.4.c.4
SEC (SHIPS EQUIPMENT CENTRE)	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	WL-series	7 / 2	5.4.3.4.b / 5.4.3.4.c.2 / 5.4.3.4.c.1 / 5.4.3.4.c.3
SEKIGAHARA	Twin Drum, gravity lowering /electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	SNW-series, SWE-series, MSWE-series	80 / 19	5.4.3.4.c.4
SERVO SHIP S.L	Single Drum, hydraulic lowering/hydraulic hoisting	FFRW 4500KG-series	12 / 24	5.4.3.4.d / 5.4.3.4.c.5 / 5.4.3.4.a
SHIGI	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	FW-series, WLT-series	7	5.4.3.4.b / 5.4.3.4.c.2
SURVIVAL SYSTEMS INT	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	W-series	7 / 2	5.4.3.4.b / 5.4.3.4.c.2 / 5.4.3.4.c.1 / 5.4.3.4.c.
TAIZHOU HAIHAO MARINE EQUIPMENT CO, LTD	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	21KN-series	7 / 2	5.4.3.4.b / 5.4.3.4.c.2 / 5.4.3.4.c.1 / 5.4.3.4.c.3
TMA	Single Drum, hydraulic lowering/hydraulic hoisting	TN/MW-series	12 / 24	5.4.3.4.d / 5.4.3.4.c.5 / 5.4.3.4.a
TTS MARINE CRANE AS DAVIT	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	RL-series	7	5.4.3.4.b / 5.4.3.4.c.2
TSUJI HEAVY INDUSTRIES	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	TC-series, H-series	7 / 2	5.4.3.4.b / 5.4.3.4.c.2 / 5.4.3.4.c.1 / 5.4.3.4.c.3
TSUJI HEAVY INDUSTRIES	Twin Drum, gravity lowering /electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	EB-series, ER-series, WLZ-series	80 / 19	5.4.3.4.c.4
ULSTEIN FAMA (FAMA GNIEW)	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	ER10B-series, ERM-series	7 / 2	5.4.3.4.b / 5.4.3.4.c.2 / 5.4.3.4.c.1 / 5.4.3.4.c.3
VERHOEF	Single Drum, hydraulic lowering/hydraulic hoisting	FL 50-series	12 / 24	5.4.3.4.d / 5.4.3.4.c.5 / 5.4.3.4.a
VEST DAVIT	Single drum/gravity lowering/Hydraulic hoisting	C-series, PL2000-series, CVS-series	7	5.4.3.4.b / 5.4.3.4.c.2
VIKING (NORSAFE) (JIANGYIN)	Single Drum, hydraulic lowering/hydraulic hoisting	HYD-FF-series	12 / 24	5.4.3.4.d / 5.4.3.4.c.5 / 5.4.3.4.a
VIKING (NORSAFE) (JIANGYIN)	Single Drum, hydraulic lowering/hydraulic hoisting	HYD-FF-series	12 / 24	5.4.3.4.d / 5.4.3.4.c.5 / 5.4.3.4.a
WELIN LAMBIE	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	5619-series, 9502-series, RBW-series	7 / 2	5.4.3.4.b / 5.4.3.4.c.2 / 5.4.3.4.c.1 / 5.4.3.4.c.3

WELIN LAMBIE	Twin Drum, gravity lowering /electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	53-series, 55-series, 97-series	80 / 19	5.4.3.4.c.4
WUXI DONGWU	Twin Drum, gravity lowering /electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	DS/Z-series, DZ-series, W-series	80 / 19	5.4.3.4.c.4
WUXI HUAHAI MARINE EQUIPMENT	Single drum/gravity lowering/electric. Hoisting w/holding static brakes with Friction pads	HMW-series, HM-series, HMCD-series	80 / 19	5.4.3.4.c.4
YOUNGNAM MACHINERY CO. LDT	Twin Drum, gravity lowering /electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	YNBW-series	80 / 19	5.4.3.4.c.4
ZHENJIANG DH MARINE EQUIPMENT CO., LTD	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	DW-series	7 / 2	5.4.3.4.b / 5.4.3.4.c.2 / 5.4.3.4.c.1 / 5.4.3.4.c.3
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Single Drum, hydraulic lowering/hydraulic hoisting	SAW30-series	12 / 24	5.4.3.4.d / 5.4.3.4.c.5 / 5.4.3.4.a
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Single drum/gravity lowering/electric. Hoisting w/holding static brakes with Friction pads.	HYO-series	7	5.4.3.4.b / 5.4.3.4.c.2
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Single drum/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	SAFC-series	7	5.4.3.4.b / 5.4.3.4.c.2
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Twin drums/gravity lowering/electric. Hoisting w/holding static brakes with Mechanically operated multiple disks Friction pads	D; DP; 0482; 63Z-series	80 / 19	5.4.3.4.c.4
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Single drum/gravity lowering/Hydraulic hoisting	OW-series	7	5.4.3.4.b / 5.4.3.4.c.2
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Single drum/gravity lowering/electric. Hoisting w/holding static brakes with Friction pads.	BH-series, LE-series	7	5.4.3.4.b / 5.4.3.4.c.2
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Twin drums/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	DP-series, D-series, D48Z-series	80 / 19	5.4.3.4.c.4
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Twin Drum, gravity lowering /electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	D-series, DP-series	80 / 19	5.4.3.4.c.4
ZHENJIANG WEST MARINE EQUIPMENT CO., LTD	Single Drum, hydraulic lowering/hydraulic hoisting	WME-LRH35-series	12 / 24	5.4.3.4.d / 5.4.3.4.c.5 / 5.4.3.4.a
ZOLLERN	Single Drum, hydraulic lowering/hydraulic hoisting	A2FM45-61A-series, ZHP-series, ZR-series	12 / 24	5.4.3.4.d / 5.4.3.4.c.5 / 5.4.3.4.a
ZOLLERN	Single drum/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	ZR-series	7	5.4.3.4.b / 5.4.3.4.c.2

ZOLLERN	Single drum/gravity lowering/Hydraulic hoisting	SZK-series	7	5.4.3.4.b / 5.4.3.4.c.2
ZOLLERN	Single drum/gravity lowering/electric. Hoisting w/holding static brakes with Friction pads.	ZR-series	7	5.4.3.4.b / 5.4.3.4.c.2

## LAUNCHING APPLIANCES

MAKE	TYPE	MODEL	EXCEL REFERENCE	ISO 23678 REFERENCE
ABAS	Single arm Slewing	KDE-Series, MDE-Series	1 / 6	5.4.3.3.e
ACEBI	Free Fall secondary hydraulic A Frame	TPF-Series	25	5.4.3.3.d
ACEBI	Gravity single and twin fall outrigger	A-Series, AF-Series, PF-Series	17 / 18	5.4.3.3.c / 5.4.3.3.a
ACEBI	Single arm Slewing	PFR-Series, RRP-Series, TPU-Series	1 / 6	5.4.3.3.e
ACEBI	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	TPF-Series, TPU-Series	11 / 6 / 1	5.4.3.3.b / 5.4.3.3.e
ACEBI	Twin Fall Gravity Pivoting / Luffing	SPG-series, RRP-series, RAD-series	17 / 18	5.4.3.3.c / 5.4.3.3.a
ACEBI	Twin Fall Gravity Rollertrack	GRA-series	17	5.4.3.3.c
ACEBI	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	TPC-series	17 / 18	5.4.3.3.c / 5.4.3.3.a
ACOIN	Single arm Slewing	R18700-series	1 / 6	5.4.3.3.e
ACTA	Free fall secondary hydraulic A Frame	HSC-series, HTD-series	25 / 11	5.4.3.3.d / 5.4.3.3.b
ACTA	Gravity Single & Twin Fall Outrigger	MOB-series	17 / 18	5.4.3.3.c / 5.4.3.3.a
ACTA	Gravity free fall primary	DC; MOB; HYO electrically HSC-series	25	5.4.3.3.d
ACTA	Single arm Slewing	DC-series, DR-series, HSC-series, MOB-series, NDA-series, MDE-series, HYO-series	1 / 6	5.4.3.3.e
ALEXANDER RYAN	Gravity single and twin fall outrigger	BH-series	17 / 18	5.4.3.3.c / 5.4.3.3.a
ARIM	Single arm Slewing	AREH-series, ARPV-series, SKH-series	1 / 6	5.4.3.3.e
ARIM	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	ARPV-series, SKH-series	11	5.4.3.3.b
ARIM	Twin Fall Gravity Pivoting / Luffing	AHA-series	17	5.4.3.3.c
A-TECH	Gravity Roller Track	RLD-series	17	5.4.3.3.c
A-TECH	Single Arm Slewing	HD-series	1 / 6	5.4.3.3.e
A-TECH	Free fall hydraulic/el. secondary	RLD-series, HD-series	25 / 11	5.4.3.3.d / 5.4.3.3.b
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Free fall secondary hydraulic A Frame	BDF-series, HDFL-series, HDF-series	25 / 11	5.4.3.3.d / 5.4.3.3.b
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Gravity freefall primary	BDF-series	25	5.4.3.3.d
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Single arm Slewing	BDR-series, BLR-series, BDL-series, BHI-series	1 / 6	5.4.3.3.e
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	BDA-series, BDFA-series, BFRD series	11	5.4.3.3.b

BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	BDTD-series, TT-series, BDA-series, BDFA-series	11	5.4.3.3.b
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Twin Fall Gravity Pivoting / Luffing	BDH-series, BDMS-series, BDTD-series, BDHP-series, BDM-series, BFOD-series	18	5.4.3.3.a
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Twin Fall Gravity Rollertrack	BDTW-series, BDRW-series, BDR-series, BDH-series	17	5.4.3.3.c
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	BDH-series	25	5.4.3.3.d
BOLIN MACHINERY	Single arm Slewing	BL-series	1 / 6	5.4.3.3.e
BIANCHI & CHECCHI	Gravity single and twin fall outrigger	PE-series, PET-series	17 / 18	5.4.3.3.c / 5.4.3.3.a
COASTAL MARINE EQUIPMENT, INC.	Single arm Slewing	D-series	1 / 6	5.4.3.3.e
DAVIT COMPANY	Gravity single and twin fall outrigger	FFFDA-series, AMS-series	25 / 17	5.4.3.3.d / 5.4.3.3.c
DAVIT COMPANY	Single arm Slewing	SRR-series, MOB-series, FM-series	1 / 6	5.4.3.3.e
DAVIT COMPANY	Hydraulic/el Pivoting & Luffing	NOP-series	25 / 11	5.4.3.3.d / 5.4.3.3.b
DAVIT INTERNATIONAL	Free fall secondary hydraulic A Frame	D-FH-series, D-HF-series, D-FN-series, D-FH60-series, D-CRRC-series	25	5.4.3.3.d
DAVIT INTERNATIONAL	Gravity single and twin fall outrigger	D-FO-series, D-FOS-series, D-HP-series, D-NP-series	17 / 18	5.4.3.3.c / 5.4.3.3.a
DAVIT INTERNATIONAL	Single arm Slewing	D-CR; D-CRMR; D-CRM; D-RC; D-RF; D-RT; D-FG; D-F; D-BC; D-; D-CRC; D-FH; RH20; D-CRM-R; D-RCS; D-BR; D-BCR-series	1 / 6	5.4.3.3.e
DAVIT INTERNATIONAL	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	D-NPS.FR-series, D-NPS.MP-series, D-NPS.SP-series, DTT.SP.-series, D-CRRC-series	11	5.4.3.3.b
DAVIT INTERNATIONAL	Gravity free fall primary	D-FS-series	25	5.4.3.3.d
DAVIT INTERNATIONAL	Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	D-FP.R-series, D-TT-series, DTT.SP-series	11 / 25	5.4.3.3.b / 5.4.3.3.d
DAVIT INTERNATIONAL	Twin Fall Gravity Pivoting / Luffing	D-NP-series, D-NP.MP-series	17 / 18	5.4.3.3.c / 5.4.3.3.a
DAVIT INTERNATIONAL	Twin Fall Gravity Rollertrack	D-RT-series	17	5.4.3.3.c
DAVIT INTERNATIONAL	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	D-NP-series, D-SP-series	18	5.4.3.3.a
DENIZSAN	Free fall secondary hydraulic A Frame	DSFDD-series	25	5.4.3.3.d
DENIZSAN	Single arm Slewing	DRBD-series, DRBLRD-series, DSRBD-series	1 / 6	5.4.3.3.e

DENIZSAN	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	DSFRB-series	11	5.4.3.3.b
DONGNAM MARINE CRANE CO, LTD.	Single arm Slewing	DCPV-series, DNRD-series, DR-series, DRBLRD-series, DSAC-series, DSAD-series, D-SAD-series, DRBD-series, DNRD-series	1 / 6	5.4.3.3.e
DONGNAM MARINE CRANE CO, LTD.	Twin Fall Gravity Pivoting / Luffing	DHGD-series, DWS-series, HF-series, DCPV; DSAD; DHGD; DHG-series	17	5.4.3.3.c
DONGWOO MACHINERY & ENGINEERING CO., LTD.	Twin Fall Gravity Pivoting / Luffing	DWS-series, DHGD-series, HF-series	18	5.4.3.3.a
DONGWOO MACHINERY & ENGINEERING CO., LTD.	Gravity Single & Twin Fall Outrigger	DBD; DBS-series	17 / 18	5.4.3.3.c / 5.4.3.3.a
DONGWOO MACHINERY & ENGINEERING CO., LTD.	Single Arm Slewing	DWS-series	1 / 6	5.4.3.3.e
DSB ENGINEERING CO LTD	Free fall secondary hydraulic A Frame	DSBDF-series	25	5.4.3.3.d
DSB ENGINEERING CO LTD	Single arm Slewing	DSB23DR-series	1 / 6	5.4.3.3.e
DSB ENGINEERING CO LTD	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	DSBARH-series, DSBDP-series, DSBDR-series	11	5.4.3.3.b
DSB ENGINEERING CO LTD	Twin Fall Gravity Pivoting / Luffing	DSBDL-series, DSBDTL-series	17	5.4.3.3.c
EO LIFESAVING	Single arm Slewing	CH-52-series	1 / 6	5.4.3.3.e
EFFER	Single arm Slewing	65000-5SL-series	1 / 6	5.4.3.3.e
ERNST HATECKE	Free fall hydraulic/el secondary	FFA; FFD; FFB; GFF-series	25	5.4.3.3.d
ERNST HATECKE	Gravity free fall primary	FFB; FFA-series	17	5.4.3.3.c
ERNST HATECKE	Gravity Single & Twin Fall Outrigger	GSPFP; GSP-series	17 / 18	5.4.3.3.c / 5.4.3.3.a
ERNST HATECKE	Single Arm Slewing	RHS.L-series	1 / 6	5.4.3.3.e
ERNST HATECKE	Gravity Roller Track	GSPF-series	17	5.4.3.3.c
ERNST HATECKE	Hydraulic/el Pivoting & Luffing	GSPFP, GSP-series	11	5.4.3.3.b
ERNST HATECKE	A-frame hydraulic / single arm / Telescopic	DFR-series	11	5.4.3.3.b
FASSMER	Free fall secondary hydraulic A Frame	FFH-series, FFB-series	25	5.4.3.3.d
FASSMER	Gravity freefall primary	FLR-series, FFH-series	25	5.4.3.3.d
FASSMER	Single arm Slewing	FSARR-series, FSAR-series	1 / 6	5.4.3.3.e
FASSMER	Twin Fall Gravity Pivoting / Luffing	FPD-series	17	5.4.3.3.c
FASSMER	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	FMPD-series, FSARR-series, FHD-series, FPD-series	25	5.4.3.3.d
FASSMER	Gravity Single & Twin Fall Outrigger	FOD-series	17 / 18	5.4.3.3.c / 5.4.3.3.a
FASSMER	A-frame hydraulic / single arm / Telescopic	FOD-series, FFH-series	11	5.4.3.3.b
FASSMER MARLAND	Free fall secondary hydraulic A Frame	FFH-series	11	5.4.3.3.b

GILBERT & SCHMALRIEDE. GMBH & CO. KG	Single arm Slewing	PJ1385-series	1 / 6	5.4.3.3.e
GILBERT & SCHMALRIEDE. GMBH & CO. KG	Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	PJ-1386-series	17 / 18 / 1 / 6 / 11	5.4.3.3.c / 5.4.3.3.a / 5.4.3.3.e / 5.4.3.3.b
GLOBAL DAVIT	Gravity single and twin fall outrigger	GSP.O-series, RSP.O-series, LGP-series	17 / 18	5.4.3.3.c / 5.4.3.3.a
GLOBAL DAVIT	Single arm Slewing	FHS-series, FHS.L-series, FHS.R-series, FHS.R.L-series, FHS.R.L.S-series, FHS.R.S-series, FHS.S-series, LMES.S-series, LML-series, LMS-series, LMS.S-series, R RMS-series, LHS-series, RHL-series, RHP-series, RHS-series, RHS.L-series, RHS.L.S-series, RHS.S-series, RMES.L.S-series, RMES.S-series, RML-series, RMS.L-series, RMS.L.S-series, RMS.S-series, RMS-series	1 / 6	5.4.3.3.e
GLOBAL DAVIT	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	RHP-series, RHP.HC-series	11	5.4.3.3.b
GLOBAL DAVIT	Free fall hydraulic/el secondary	RHS-series	25	5.4.3.3.d
GLOBAL DAVIT	A-frame hydraulic / single arm / Telescopic	FHS; RHP; RSP; HC-series	11	5.4.3.3.b
GLOBAL DAVIT	Twin Fall Gravity Pivoting / Luffing	GLP.FP-series, GLP.MP-series, GSP.FP-series, GSP.MP-series	18	5.4.3.3.a
GLOBAL DAVIT	Twin Fall Gravity Rollertrack	GLP.RT-series, GSP.RT-series, GSP.RT, GLP.RT-series	17	5.4.3.3.c
GLOBAL DAVIT	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	GLP.FLH-series, GLP.FPH-series, GSP.FLH-series, GSP.FPH-series, RHL-series, RHP-series, GSP-series, GLP-series	17 / 18	5.4.3.3.c / 5.4.3.3.a
GREBEN	Free fall secondary hydraulic A Frame	HFF-series	25	5.4.3.3.d
GREBEN	Gravity single and twin fall outrigger	FOD-series	17	5.4.3.3.c
GREBEN	Single arm Slewing	SAR-series, PH-series	1 / 6	5.4.3.3.e
GREBEN	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	RLC-series	11	5.4.3.3.b
GREBEN	Twin Fall Gravity Pivoting / Luffing	SPG-series	18	5.4.3.3.a
GREBEN	Twin Fall Gravity Rollertrack	GR-RTD-series	17	5.4.3.3.c
GREBEN	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	GD-PD-series, HD-series	18	5.4.3.3.a
GURDESAN	Free fall secondary hydraulic A Frame	GD-FFD-series, GD-FF-series, GD-KV	25	5.4.3.3.d
GURDESAN	Twin Fall Gravity Pivoting / Luffing	GD-GR series	18	5.4.3.3.a

GURDESAN	Single arm Slewing	GD-KHK-series, GD-RRS-series	1 / 6	5.4.3.3.e
HAEAN MACHINERY IND. CO. LTD.	Single arm Slewing	HED-PC-series, HHD-PC-series	1 / 6	5.4.3.3.e
HANYOUNG ENTERPRISE	Single arm Slewing	RESCUE BOAT DAVIT-series	1 / 6	5.4.3.3.e
HARDING (UMOESCHAT HARDING)	Free fall secondary hydraulic A Frame	FF-series, LA-series	25	5.4.3.3.d
HARDING (UMOESCHAT HARDING)	Gravity freefall primary	FFB-series, LA-series	25	5.4.3.3.d
HARDING (UMOESCHAT HARDING)	Gravity single and twin fall outrigger	HD-FL-series, ORD-series	17 / 18	5.4.3.3.c / 5.4.3.3.a
HARDING (UMOESCHAT HARDING)	Single arm Slewing	LAR-series, SAR-series, SPR-series, SRR-series, FR-series	1 / 6	5.4.3.3.e
HARDING (UMOESCHAT HARDING)	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	SA-series	11	5.4.3.3.b
HARDING (UMOESCHAT HARDING)	Twin Fall Gravity Pivoting / Luffing	HD-SPG-series, HD-VIP-series, SPG(VL)-series	18	5.4.3.3.a
HARDING (UMOESCHAT HARDING)	Twin Fall Gravity Rollertrack	GRA-series, HD-RT-series	17	5.4.3.3.c
HARDING (UMOESCHAT HARDING)	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	SPD-series, SPR-series, NPD-series, NPDS-series, VIP-series	25	5.4.3.3.d
HARDING (UMOESCHAT HARDING) (SCHAT DAVIT COMPANY) (PALFINGER)	Single arm Slewing	MOB-series	1 / 6	5.4.3.3.e
HARDING (UMOESCHAT HARDING) (SCHAT DAVIT COMPANY) (PALFINGER)	Twin Fall Gravity Pivoting / Luffing	SPG(L)-series	18	5.4.3.3.a
HARDING (UMOESCHAT HARDING) (SCHAT DAVIT COMPANY) (PALFINGER)	Twin Fall Gravity Rollertrack	NT-series	17	5.4.3.3.c
HARDING (WATERCRAFT)	Twin Fall Gravity Rollertrack	WRG-series	17	5.4.3.3.c
HATECKE (ERNST HATECKE)	Free fall secondary hydraulic A Frame	FFA-series	25	5.4.3.3.d
HATECKE (ERNST HATECKE)	Gravity freefall primary	FFB-series	25	5.4.3.3.d
HATECKE (ERNST HATECKE)	Gravity single and twin fall outrigger	GSP.O-series	18	5.4.3.3.a
HATECKE (ERNST HATECKE)	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	GSP.FP-series	17	5.4.3.3.c
HYDRALIFT	Single Arm Slewing	HL6D; HL-series	1 / 6	5.4.3.3.e
HYDRALIFT	A-frame hydraulic / single arm / Telescopic	HL-series	11	5.4.3.3.b
HYDRALIFT	Hydraulic/el Pivoting & Luffing	HL-series	11	5.4.3.3.b
IHI MARINE UNITED INC	Twin Fall Gravity Pivoting / Luffing	MUL-series	17 / 18	5.4.3.3.c / 5.4.3.3.a
IHI MARINE UNITED INC	Free fall hydraulic/el secondary	SH-series, SC-series	25	5.4.3.3.d
IKNOW MACHINERY (TSUJI)	Twin Fall Gravity Pivoting / Luffing	HD-series	17 / 18	5.4.3.3.c / 5.4.3.3.a
IMT CO., LTD	Single arm Slewing	ILR-series	1 / 6	5.4.3.3.e
JAPAN MARINE UNITED CORP.	Hydraulic/el Pivoting & Luffing	MUL-series, MUH-series	11	5.4.3.3.b

JAPAN MARINE UNITED CORP.	Free fall hydraulic/el secondary	MUF-series, US-series	25	5.4.3.3.d
JAPAN MARINE UNITED CORP.	Single Arm Slewing	MUR-series	1 / 6	5.4.3.3.e
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD	Free fall secondary hydraulic A Frame	JYF-series, JY-series, JYM-series, JYFF-series, FW-series, JYRC-series, JYR-series, FN-series, JYFN-series	25	5.4.3.3.d
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD	Gravity single and twin fall outrigger	JYP-series	17 / 18	5.4.3.3.c / 5.4.3.3.a
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD	Single arm Slewing	JYRCA-series, JY-series, JYR-series	1 / 6	5.4.3.3.e
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	JYR-series, JYH-series	11	5.4.3.3.b
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD	Twin Fall Gravity Pivoting / Luffing	JYL-series	18	5.4.3.3.a
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD	Twin Fall Gravity Rollertrack	JYGR-series	17	5.4.3.3.c
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	JYHG-series, JYL-series	17	5.4.3.3.c
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Free fall secondary hydraulic A Frame	NPT-DF-series, NPT-series	25	5.4.3.3.d
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Gravity single and twin fall outrigger	NPT-DP-series, NPT-PL-series, NPT-series	18	5.4.3.3.a
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Single arm Slewing	NPT-DR-series, NPT-OR-series, NPT-series, OR-series	1 / 6	5.4.3.3.e
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	NPT- BE-series, NPT-DR-series	11	5.4.3.3.b
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Twin Fall Gravity Pivoting / Luffing	NPT-DL-series, NPT-DP-series, NPT-DYL-series, NPT-series	18	5.4.3.3.a
JIANGYIN NORSAFE	Free fall hydraulic/el secondary	HD-series	25	5.4.3.3.d
JIANGYIN NORSAFE	Gravity free fall primary	FRP-series	25	5.4.3.3.d
JIANGYIN NORSAFE	Hydraulic/el Pivoting & Luffing	NOSC-series	11	5.4.3.3.b



JIANGYIN NORSAFE	Single Arm Slewing	NOSC-series, MOB-series	1 / 6	5.4.3.3.e
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Free fall secondary hydraulic A Frame	JY-FH-series	25	5.4.3.3.d
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Gravity single and twin fall outrigger	JYPL-series	17	5.4.3.3.c
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Single arm Slewing	JYSA-series	1 / 6	5.4.3.3.e
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	JY-LFR-series, JY-LRHE-series, JY-PLR-series	11	5.4.3.3.b
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Twin Fall Gravity Pivoting / Luffing	JYPL-series	18	5.4.3.3.a
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Twin Fall Gravity Rollertrack	JYHE-series	18	5.4.3.3.a
JIANGYINSHI BEIHAI	Free fall secondary hydraulic A Frame	FA-series, JYB-series, SM-series, JYF-series	25	5.4.3.3.d
JIANGYINSHI BEIHAI	Gravity single and twin fall outrigger	PD-series, BHGH-series	18	5.4.3.3.a
JIANGYINSHI BEIHAI	Single arm Slewing	SA-series, SAC-series, SMR-series, SAR-series, SRR-series	1 / 6	5.4.3.3.e
JIANGYINSHI BEIHAI	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	EHRD-series, FRH-series, SRH-series	11	5.4.3.3.b
JIANGYINSHI BEIHAI	Twin Fall Gravity Pivoting / Luffing	BH-G-series, LA-series, LB-H-series	18	5.4.3.3.a
JIANGYINSHI BEIHAI	Twin Fall Gravity Rollertrack	HB-H-series, RB-H-series	17	5.4.3.3.c
JIANGYINSHI BEIHAI	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	BHGH-series	17 / 18	5.4.3.3.c / 5.4.3.3.a
JIANGYIN XINJIANG	Gravity Roller Track	JYL-series	18	5.4.3.3.a
JIANGYIN XINJIANG	Free fall hydraulic/el secondary	JYF-series	25	5.4.3.3.d
JIANGYIN XINJIANG	Single Arm Slewing	JYR-series, JYFR-series	1 / 6	5.4.3.3.e
JUNG-A-MARINE CO., LTD	Single arm Slewing	PCRLC-series	1 / 6	5.4.3.3.e
KGW SCHWERINER MASCHINENBAU GMBH	Single arm Slewing	RB-series	1 / 6	5.4.3.3.e
MACGREGOR (TTS) (HYDRAMARINE)	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	G-TYPE-series	11	5.4.3.3.b
MACGREGOR (TTS) (HYDRAMARINE)	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	A-TYPE-series, HLD-series, HMC-series, HMD-series	11	5.4.3.3.b
MACGREGOR (TTS) (HYDRAMARINE)	Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	T-TYPE-series	1 / 6	5.4.3.3.e
MANSEI	Free fall secondary hydraulic A Frame	D-FH-series, FE-series, MFH-series, DH-series, M-FH-series, N-series	25	5.4.3.3.d
MANSEI	Hydraulic/el Pivoting & Luffing	M; EH; E; N-series	11	5.4.3.3.b
MANSEI	Single arm Slewing	M-series, R-series, SAR-series, SR-series, S-series, N-Series, E-series	1 / 6	5.4.3.3.e

MANSEI	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	HER-series, N-series, M-series, EH-series, E-series	11	5.4.3.3.b
MANSEI	Twin Fall Gravity Pivoting / Luffing	ABD-series, AH-series, AV-series, EH-series, EM-series, M-series, E-series	18	5.4.3.3.a
MANSEI	Twin Fall Gravity Rollertrack	AT-series, GRA-series, N-series, M-series, EH-series, E-series	17	5.4.3.3.c
MIURA MACHINE CO, LTD (MIURA VIDER) (MANSEI)	Single arm Slewing	SPG(VD)-series	1 / 6	5.4.3.3.e
MIURA MACHINE CO, LTD (MIURA VIDER) (MANSEI)	Twin Fall Gravity Pivoting / Luffing	MVD-series	18	5.4.3.3.a
MIURA MACHINE CO, LTD (MIURA VIDER) (MANSEI)	Gravity Single & Twin Fall Outrigger	MV-series, MVD-series	17 / 18	5.4.3.3.c / 5.4.3.3.a
MONTMONTAZA GREBEN	Gravity Roller Track	SPG-series	17	5.4.3.3.c
MONTMONTAZA GREBEN	Free fall hydraulic/el secondary	FFL-series, HW-series	25	5.4.3.3.d
MONTMONTAZA GREBEN	Gravity Single & Twin Fall Outrigger	RC-series	17 / 18	5.4.3.3.c / 5.4.3.3.a
MONTMONTAZA GREBEN	A-frame hydraulic / single arm / Telescopic	HFF-series, SPG(GA)-series	11	5.4.3.3.b
MONTMONTAZA GREBEN	Single Arm Slewing	EW; RID; RLC; PHA; HPRLC-series	1 / 6	5.4.3.3.e
NAVALIMPIANTI	Hydraulic/el. Pivoting & Luffing	GDMP-series	11	5.4.3.3.b
NAVALIMPIANTI	Gravity Single & Twin Fall Outrigger	GDET-series, NPS-series	17 / 18	5.4.3.3.c / 5.4.3.3.a
NAVIGATIONS	Single arm Slewing	1,1-series	1 / 6	5.4.3.3.e
NAVIM GROUP	Gravity single and twin fall outrigger	FDRB-series	18	5.4.3.3.a
NAVIM GROUP	Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	SPDT-L-series, SPDT-R-series, SPDT-T-series	11	5.4.3.3.b
NAVIM GROUP	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	SGHD- L-series, SPHD- T-series	18	5.4.3.3.a
NED-DECK MARINE (PALFINGER)	Gravity single and twin fall outrigger	FPG-series	17	5.4.3.3.c
NED-DECK MARINE (PALFINGER)	Single arm Slewing	SCH-series, SCM-series, SCT-series, SEC-series, SCM; SCH; SCT; MS; SCHD; HS-series	1 / 6	5.4.3.3.e
NED-DECK MARINE (PALFINGER)	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	PFH-series, PRH-series, PRHE-series	11	5.4.3.3.b
NED-DECK MARINE (PALFINGER)	Twin Fall Gravity Pivoting / Luffing	PL-series	18	5.4.3.3.a
NED-DECK MARINE (PALFINGER)	A-frame hydraulic / single arm / Telescopic	FFH-series, PRH-series	11	5.4.3.3.b
NED-DECK MARINE (PALFINGER)	Free fall hydraulic/el secondary	RTD-series	25	5.4.3.3.d
NINGBO KAIRONG	Free fall hydraulic/el secondary	FFD-series, HW-series	25	5.4.3.3.d
NINGBO KAIRONG	Single arm Slewing	C-series	1 / 6	5.4.3.3.e
NINGBO ASIA F.R.P. BOAT	Free fall secondary hydraulic A Frame	YZF-series	25	5.4.3.3.d

MANUFACTURING CO LTD				
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Single arm Slewing	YZ-series, ZFDZ-series	1 / 6	5.4.3.3.e
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Twin Fall Gravity Pivoting / Luffing	L-series	18	5.4.3.3.a
NINGBO NEW MARINE LIFESAVING EQUIPMENT CO. LTD	Gravity single and twin fall outrigger	NMPL-series	17 / 18	5.4.3.3.c / 5.4.3.3.a
NINGBO NEW MARINE LIFESAVING EQUIPMENT CO. LTD	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	NM-series, NMAR-series	11	5.4.3.3.b
NMF	Single arm Slewing	BPK-series, KD.2-series	1 / 6	5.4.3.3.e
NOR DAVIT	Gravity single and twin fall outrigger	PL-series, E-series	18	5.4.3.3.a
NOR DAVIT	Twin Fall Gravity Pivoting / Luffing	SDP-series, SSP-series, RD-series, SSP-RD-series	17	5.4.3.3.c
NOREQ (PALFINGER)	Gravity single and twin fall outrigger	NRD-series	18	5.4.3.3.a
NOREQ (PALFINGER)	A-frame hydraulic / single arm / Telescopic	SDP-series	11	5.4.3.3.b
NOREQ (PALFINGER)	Hydraulic/el Pivoting & Luffing	NDP-series, NPD-series, LBT-series	11	5.4.3.3.b
NOREQ (PALFINGER)	Single arm Slewing	SCH-series, SCH-R-series, SCHD-series, SCM-L-series, SCM - R-series	1 / 6	5.4.3.3.e
NOREQ (PALFINGER)	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	NPD-series	11	5.4.3.3.b
NOREQ (PALFINGER)	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	NPD-series	18	5.4.3.3.a
NORSAFE	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	NDA-series	11	5.4.3.3.b
NORSAFE	Free fall hydraulic/el secondary	HD; FFA; FF-series	25	5.4.3.3.d
NORSAFE	Single Arm Slewing	NDSC; SAFC; SAF; NDSC-R; NRC-series	1 / 6	5.4.3.3.e
NORSAFE	A-frame hydraulic / single arm / Telescopic	NDA-series	11	5.4.3.3.b
NORSAFE	Hydraulic/el Pivoting & Luffing	TOR-series	11	5.4.3.3.b
ORIENTAL PRECISION	Free fall secondary hydraulic A Frame	FD-series, WL-series	25	5.4.3.3.d
ORIENTAL PRECISION	Gravity Single & Twin Fall Outrigger	HGK; RTD; DHA; DMA-series, WL-series	17 / 18	5.4.3.3.c / 5.4.3.3.a
ORIENTAL PRECISION	Hydraulic/el Pivoting & Luffing	HGD; SHS; RTD; SWE; DMA; DHA; RD; RDW-series	11	5.4.3.3.b
ORIENTAL PRECISION	Single arm Slewing	RD-series, SHS-series, RTD-series, RDW-series	1 / 6	5.4.3.3.e
ORIENTAL PRECISION	Twin Fall Gravity Pivoting / Luffing	DHA-series, DMA-series, HGD-series, HGK-series	18	5.4.3.3.a
ORIENTAL PRECISION	Twin Fall Gravity Rollertrack	RTD-series, HGD-series, SHS-series	17	5.4.3.3.c

ORIENTAL PRECISION - SEKIGAHARA	Twin Fall Gravity Pivoting / Luffing	SHS-series	18	5.4.3.3.a
PALFINGER	Free fall secondary hydraulic A Frame	NPT-DF-series, FFH-series	25	5.4.3.3.d
PALFINGER	Gravity freefall primary	FF-series	25	5.4.3.3.d
PALFINGER	Gravity single and twin fall outrigger	FPG-series	18	5.4.3.3.a
PALFINGER	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	SCH-R-series, SCM-L-series, SCM -R-series, SCHD-series	11	5.4.3.3.b
PALFINGER	Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	NTD-series, NPDS-series	11	5.4.3.3.b
PALFINGER	Twin Fall Gravity Pivoting / Luffing	NPT-series, VIP-series	18	5.4.3.3.a
PALFINGER	Twin Fall Gravity Rollertrack	NPT-series	17	5.4.3.3.c
PALFINGER	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	NPD-series, PFH-series, PRM-series, PRH-series	18	5.4.3.3.a
PELLEGRINI MARINE EQUIPMENT	Single arm Slewing	CHCD 2,507+ RLC 2.1/4.5- series, RLC-series	1 / 6	5.4.3.3.e
PELLEGRINI MARINE EQUIPMENT	Twin Fall Gravity Pivoting / Luffing	GRA-series	18	5.4.3.3.a
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Free fall secondary hydraulic A Frame	BD-FF-series, BD-series, BH-series, BD-F-series, BDFN-series	25	5.4.3.3.d
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Gravity single and twin fall outrigger	BD-PL-series, BD-series	18	5.4.3.3.a
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Single arm Slewing	BD-series, SA-series, BD-SH-series, BDR-series	1 / 6	5.4.3.3.e
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	BD-AR-series, BD-series	11	5.4.3.3.b
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Twin Fall Gravity Pivoting / Luffing	BD-PV-series, BD-series	18	5.4.3.3.a
REDROCK	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	RDA-series	11	5.4.3.3.b
REDROCK	Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	RDT-series	11	5.4.3.3.b
SCHAT HARDING	Gravity free fall primary	FF; UZ; HD-series	11	5.4.3.3.b
SCHAT HARDING	Free fall hydraulic/el secondary	SA; TME; FF; LA; RSD-series	25	5.4.3.3.d
SCHAT HARDING	Hydraulic/el Pivoting & Luffing	SPG; RSD; VIP; NPD; VIP 8-series	11	5.4.3.3.b
SCHAT HARDING	Single Arm Slewing	SPR; SSR; SRR; RSD; SPMOB; PAR-series	1 / 6	5.4.3.3.e
SCHAT HARDING	Gravity Single & Twin Fall Outrigger	VIP; GSP; PAR15; SPR-series	17 / 18	5.4.3.3.c / 5.4.3.3.a
SCHAT HARDING	Gravity Roller Track	NT-series	17	5.4.3.3.c
SCHAT HARDING	A-frame hydraulic / single arm / Telescopic	NPDS-series	11	5.4.3.3.b
SEC (SHIPS EQUIPMENT CENTRE)	Free fall secondary hydraulic A Frame	HP2-series	25	5.4.3.3.d
SEC (SHIPS EQUIPMENT CENTRE)	Single arm Slewing	MS-series	1 / 6	5.4.3.3.e

SEKIGAHARA	Free fall secondary hydraulic A Frame	SF-series, SFS-series, S-series, SFA-series, SFC-series, SFD-series, SHS-series	25	5.4.3.3.d
SEKIGAHARA	Single arm Slewing	SSS-series, SJS-series, SJR-series, S-series	1 / 6	5.4.3.3.e
SEKIGAHARA	Twin Fall Gravity Pivoting / Luffing	SFA-series, SFB-series, SFP-series, SHS-series, SH-series, SHN-series, STS-series, SSS-series	18	5.4.3.3.a
SEKIGAHARA	Twin Fall Gravity Rollertrack	AT-series, STS-series, SH-series, SHS-series	17	5.4.3.3.c
SERVO SHIP S.L	Free fall secondary hydraulic A Frame	FFR-20-series	25	5.4.3.3.d
SERVO SHIP S.L	Single arm Slewing	PR4M1100HR-series	1 / 6	5.4.3.3.e
SEZAMOR	Single arm Slewing	ZOL; ZZ; ZZ-ZOT; ZZ-ZOL; ZZ-ZOLT-series	1 / 6	5.4.3.3.e
SEZAMOR	Hydraulic/el Pivoting & Luffing	ZOK; ZZ-ZU; ZZ-ZU2-series	25	5.4.3.3.d
SEZAMOR	Free Fall hydraulic/electric secondary	PB-series, ZOK; ZZ-ZU; ZZ-ZU2-series, ZFN-series, ZFY-series	25	5.4.3.3.d
SHANGHAI HENGYUAN MARINE EQUIPMENT CORPORATION	Free fall secondary hydraulic A Frame	FH-series	25	5.4.3.3.d
SHANGHAI HENGYUAN MARINE EQUIPMENT CORPORATION	Single arm Slewing	SAF-series	1 / 6	5.4.3.3.e
SHIN MYUNG TECH	Single arm Slewing	SMRB&LRD-FT-series, SMRBD-SD-series, SMRBD&LRD-series, SMRBD&PV-series	1 / 6	5.4.3.3.e
SHIGI	Gravity Single & Twin Fall Outrigger	MFH-S600-series	17 / 18	5.4.3.3.c / 5.4.3.3.a
SHEYANG SAIFUTE	Single Arm Slewing	14KN-series, 21KN-series, KN-series	1 / 6	5.4.3.3.e
SHEYANG SAIFUTE	Hydraulic/el Pivoting & Luffing	KN-series	11	5.4.3.3.b
SHEYANG SAIFUTE	Free fall hydraulic/el secondary	55KN-series, KN-series	25	5.4.3.3.d
SORMEC	Single arm slewing	M-series, RB-series	1 / 6	5.4.3.3.e
STOCZNIA USTKA SP. Z O.O.	Free fall secondary hydraulic A Frame	HZ-series	25	5.4.3.3.d
STOCZNIA USTKA SP. Z O.O.	Gravity freefall primary	PZ-series	25	5.4.3.3.d
SURVIVAL SYSTEMS INT	Gravity single and twin fall outrigger	PL-series	18	5.4.3.3.a
TAIZHOU HAIHAO MARINE EQUIPMENT CO, LTD	Free fall secondary hydraulic A Frame	55KN-series	25	5.4.3.3.d
TAIZHOU HAIHAO MARINE EQUIPMENT CO, LTD	Single arm Slewing	21KN BOAT/RAFT DAVIT-series	1 / 6	5.4.3.3.e
TSUJI HEAVY INDUSTRIES	Single arm Slewing	RP-series	1 / 6	5.4.3.3.e

TSUJI HEAVY INDUSTRIES	Twin Fall Gravity Pivoting / Luffing	H-series	18	5.4.3.3.a
TSUJI HEAVY INDUSTRIES	Twin Fall Gravity Rollertrack	T83-series, TC-series	17	5.4.3.3.c
TSUJI HEAVY INDUSTRIES	Hydraulic/el. Pivoting & luffing	H-series, EB-series	11	5.4.3.3.b
TTS (HYDRALIFT)	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	HL-series	11	5.4.3.3.b
TTS (HYDRALIFT)	Single Arm Slewing	HL-series	1 / 6	5.4.3.3.e
TTS (HYDRALIFT)	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	HL9D-series	18	5.4.3.3.a
TTS (HYDRALIFT)	A-frame hydraulic / single arm / Telescopic	HL-series, HP-series	11	5.4.3.3.b
ULSTEIN FAMA (FAMA GNIEW)	Single arm Slewing	ZO-series, ZT-series	1 / 6	5.4.3.3.e
VANGUARDE	Gravity single and twin fall outrigger	PL-series	18	5.4.3.3.a
VANGUARDE	Single arm Slewing	HS-series, MS-series, VS-series	1 / 6	5.4.3.3.e
VANGUARDE	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	DH-series, PR-series, PRH-series	11	5.4.3.3.b
VANGUARDE	Twin Fall Gravity Pivoting / Luffing	LE-series, VL-series	18	5.4.3.3.a
VANGUARDE	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	PFH-series, SRH-series	17	5.4.3.3.c
VERHOEF	Free fall secondary hydraulic A Frame	FL-series	25	5.4.3.3.d
VESTDAVIT	Single arm Slewing	L-series	1 / 6	5.4.3.3.e
VESTDAVIT	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	P-series, PAP-series, PAPH-series, PL-series, PLAR-series, PLD-series, PLI-series, PLP-series, PLR-series, C-series, PLRS-series	11	5.4.3.3.b
VESTDAVIT	Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	TBD-series, P-series, PAP-series, PAPH-series, PL-series, PLAR-series, PLD-series, PLI-series, PLP-series, PLR-series, C-series, PLRS-series	11	5.4.3.3.b
VESTDAVIT	Gravity Single & Twin Fall Outrigger	TDB-series	17 / 18	5.4.3.3.c / 5.4.3.3.a
VIKING (NORSAFE)	Gravity freefall primary	SW-series	25	5.4.3.3.d
VIKING (NORSAFE)	Gravity single and twin fall outrigger	A-series, C-series, D-series, NDC-series	18	5.4.3.3.a
VIKING (NORSAFE)	Single arm Slewing	NRC-R-series, NRC-series	1 / 6	5.4.3.3.e
VIKING (NORSAFE)	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	NDA-series, NRB-series	11	5.4.3.3.b
VIKING (NORSAFE)	Twin Fall Gravity Pivoting / Luffing	E-series	18	5.4.3.3.a
VIKING (NORSAFE)	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	LH-series, NRC-series	17	5.4.3.3.c
VIKING (NORSAFE) (JIANGYIN)	Single arm Slewing	NDSC-series, NDSC-R-series	1 / 6	5.4.3.3.e
VIKING (NORSAFE) (JIANGYIN)	Free fall secondary hydraulic A Frame	HD-series	25	5.4.3.3.d
WELIN LAMBIE	Single arm Slewing	LRW-series, SARBE-series	1 / 6	5.4.3.3.e
WUXI DONGWU	Free fall secondary hydraulic A Frame	F55-F70-series, NPT100F-series, F-series	25	5.4.3.3.d
WUXI DONGWU	Single arm Slewing	21 - 35KN-series, DCW210- series	1 / 6	5.4.3.3.e

WUXI DONGWU	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	A30/H35-series	11	5.4.3.3.b
WUXI DONGWU	Twin Fall Gravity Pivoting / Luffing	18KN-110KN-series	18	5.4.3.3.a
WUXI DONGWU	Hydraulic/el. Pivoting & luffing	50KN-series, KN-series, 60KN-series	11	5.4.3.3.b
WUXI DONGWU	Twin Fall Gravity Rollertrack	25KN -30KN-series	17	5.4.3.3.c
WUXI HAIHONG BOAT MAKING CO., LTD	Single arm Slewing	23KN-series	1 / 6	5.4.3.3.e
WUXI HAIDELONG MARINE	Single arm Slewing	SA-series	1 / 6	5.4.3.3.e
WUXI HUAHAI	Gravity single and twin fall outrigger	PD-series	18	5.4.3.3.a
WUXI HUAHAI	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	HMB-series	11	5.4.3.3.b
WUXI HUAHAI	Single arm slewing	HMCD-series, HMD-series, HM-series	1 / 6	5.4.3.3.e
WUXI HUAHAI	Hydraulic/el. Pivoting & luffing	HMD-series	11	5.4.3.3.b
WUXI HUAHAI	Twin Fall Gravity Pivoting / Luffing	HMD-series	17	5.4.3.3.c
WUXI SHENGOU	Free fall secondary hydraulic A Frame	SMDF-series	25	5.4.3.3.d
WUXI SHENGOU	Single arm Slewing	SMC-series, SMD-series	1 / 6	5.4.3.3.e
WUXI SHENGOU	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	HMDA-series	11	5.4.3.3.b
WUXI SHENGOU	Twin Fall Gravity Pivoting / Luffing	SHMDL-series	18	5.4.3.3.a
WUXI SHENGOU	Twin Fall Gravity Rollertrack	SMD-series	17	5.4.3.3.c
YILMAZ DENİZCİLİK	Single Arm Slewing	YD series,	1 / 6	5.4.3.3.e
YILMAZ DENİZCİLİK	Gravity freefall primary	YD series,	25	5.4.3.3.d
YOUNGNAM MACHINERY CO. LDT	Twin Fall Gravity Pivoting / Luffing	YNBD-series, YNHD-series	18	5.4.3.3.a
YOUNGNAM MACHINERY CO. LDT	Gravity Roller Track	YNBD-series	17	5.4.3.3.c
ZHEJIANG TAIZHOU WANTONG MARINE MACHINERY CO LTD	Twin Fall Gravity Pivoting / Luffing	YSJ-series	18	5.4.3.3.a
ZHEJIANG TAIZHOU WANTONG MARINE MACHINERY CO LTD	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	SRH-series	17 / 18	5.4.3.3.c / 5.4.3.3.a
ZHEJIANG TAIZHOU WANTONG MARINE MACHINERY CO LTD	Free fall secondary hydraulic A Frame	FH-series	25	5.4.3.3.d
ZHEJIANG TAIZHOU WANTONG MARINE MACHINERY CO LTD	Gravity single and twin fall outrigger	PL-series	17 / 18	5.4.3.3.c / 5.4.3.3.a
ZHEJIANG TAIZHOU WANTONG MARINE MACHINERY CO LTD	Single arm Slewing	HDCL-series, SAFC-series, SAW30-series, ZF-series	1 / 6	5.4.3.3.e

ZHEJIANG TAIZHOU WANTONG MARINE MACHINERY CO LTD	Twin Fall Gravity Pivoting / Luffing	L-series	18	5.4.3.3.a
ZHENJIANG MARINE AUXILIARY MACHINE WORKS	Hydraulic/el Pivoting & Luffing	LE; SAFC; SAF; SAPC; GL-series	11	5.4.3.3.b
ZHENJIANG MARINE AUXILIARY MACHINE WORKS	Free fall hydraulic/el secondary	FH; F; FR-series	25	5.4.3.3.d
ZHENJIANG MARINE AUXILIARY MACHINE WORKS	Gravity Single & Twin Fall Outrigger	LE; HDC; HDCL; PL- series	17 / 18	5.4.3.3.c / 5.4.3.3.a
ZHENJIANG MARINE AUXILIARY MACHINE WORKS	Gravity free fall primary	FW-series	11	5.4.3.3.b
ZHENJIANG MARINE AUXILIARY MACHINE WORKS	A-frame hydraulic / single arm / Telescopic	SHA; LFR; PR-series	11	5.4.3.3.b
ZHENJIANG MARINE AUXILIARY MACHINE WORKS	Single Arm Slewing	SAFC; SA; SH; SAF; HDCL-series	1 / 6	5.4.3.3.e
ZHENJIANG MARINE AUXILIARY MACHINE WORKS	Gravity Roller Track	HE; RE-series	17	5.4.3.3.c
ZHENJIANG WEST MARINE EQUIPMENT CO., LTD	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	WME-LRH35-series	11	5.4.3.3.b

#### Inventory List

NO	EQUIPMENT NAME	MAKER	MANUF. DATE	CAPACITY	SERIAL NO	TYPE	SWL	QTY
1	Single arm slewing (manual) davit	NED-DECK MARINE	09-2003	-	146403-2	04-03M/QR	21KN	1
2	Holding/static brakes with mechanically operated multiple disks, centrifugal brakes with friction pads winch	NED-DECK MARINE	2003	-	-	04-03W/WH	21KN	1
3	Single fall rescue boat (inflatable)	ZODIAC	2006	6 PERSONS	ZO416	RIBO 420	800 KGS	1
4	Davit launched life raft automatic release gear	RFD - DUNMURRY	02.1992	-	SKN4035	MK4	2,5T	1
5	Outboard engine	MERCURY 15	07-2009	-	OR315682	F15M	15 HP	1



6	Single arm slewing (electric) davit	ZHENJIANG MARINE	09-1999	-	2099018	SAF14	14KN	1
7	Single drum, holding/static brakes with friction pads winch	ZHENJIANG MARINE	09-1999	-	2099018	SAW14	14KN	1
8	Single fall rescue boat	NORSAFE	12-2011	6 PERSONS	15676	45 MATRIX	945 KGS	1
9	Rescue boats, including fast rescue boat offload release gear	RC	2012	-	05551-12	OFF-LOAD	2,5T	1
10	Outboard engine	YAMAHA 15	2012	-	1029037	F15CMH	15 HP	1
11	Hydraulic pivoting/luffing A-frame davit	VEST DAVIT	1991	3600 KGS	466	P-3600	3,6T	1
12	Hydraulic lowering and hoisting, hydraulic pump lowering brake winch	VEST DAVIT	1991	3600 KGS	-	W-4	3,6T	1
13	Single fall fast rescue boat	FASSMER	05-2016	6 PERSONS	16.02.2869	RR6,2ID-IRB	1700 KGS	1
14	Rescue boats, (including fast rescue boat) offload release gear	FASSMER DUPLEX	11-2014	2,5T	14132414	25E2/2,5	2,5T	1
15	Jet drive engine, propeller drive engine	STEYR	11-2015	144HP	482351329	MO144M38	144HP	1
16	Partially enclosed lifeboat, twin fall, open lifeboat, twin fall	VIKING	1976	19 PERSONS	532	OPEN TYPE	-	1
17	Gravity roller track davit	SCHAT DAVIT	1985	45KN	-	BE45	45 KN	1
18	Gravity twin fall outrigger davit	MIURA VIDER	14-10-1998	4800 KGS	1946	N-461	4800 KGS	1
19	Gravity-lowering/electric hoisting with brake system winch	MIURA VIDER	10.1998	5000 KGS	-	W-4-98	5000 KGS	1
20	Totally enclosed lifeboats with sprinkler and air system	SHIGI	02-1999	25 PERSONS	17369	SZK53	4210 KGS	1
21	Lifeboat on-load / offload (load not over center)hook, up and down pins release gear	SHIGI	1999	-	-	SZK 25	3T	SET

22	Inboard diesel engine	YANMAR	11-1998	25HP	2125	3JH25A	25HP	1
23	Totally enclosed freefall life boat with sprinkler and air system	JIANGYIN NEPTUNE	08-2007	20 PERSONS	49627	NPT49FF	4500 KGS	1
24	Twin drum winch	FASSMER	2004	-	-	FW-6S	55 KN	1
25	Gravity free fall primary and hydraulic secondary davit	FASSMER	2004	-	-	FFD-55	55KN	1
26	Lifeboat on-load / offload release gear	JIANGYIN NEPTUNE	2007	-	683	NPT70	7000 KGS	1
27	Inboard diesel engine	CHINA	05-2007	20,6KW	Z380C-R03	MARINE	20,6KW	1
28	Liferaft	CSM	10-2021	16 PERSONS	21D16140	SMLR-D-16	1490 KGS	1
29	Liferaft	CSM	08-2013	6 PERSONS	13A06209	SMLR-A-06	600 KGS	1
30	Lifebuoy	MARTEK	2023	ADULT	-	2,5KGS	ADULT	8
31	Embarkation ladder	DELMAR	05-2023	6 MTR	49/50	D-SAFE	-	2
32	Hydraulic double motor	ASEA MOTOR	2008	-	7556194 /7556197	MBT 112M	-	1
33	Liferaft release hook	CSM	04-2004	25 PERSONS	849	METAL	2,5T	1
34	Rescue boat stand	DELMAR	2023	2T	DS01 / DS02	STEEL	2T	2 SETS
35	Liferaft cradle	DELMAR	2023	1T	-	STEEL	1T	3
36	Hru	SAFETMADE	2022	-	1202049	PLASTIC	-	1
37	Curve to curve cams, intermediary hook, arresting levers release gear	HARDING	04-2013		1070/13 - 1071/13	OFF/ON LOAD	53,77 KN	SET
38	Flat to flat cams, amplification arms, arresting levers release gear	NORSAFE	12-2006		068152/068146	TOR 8T	8T	SET
39	Curve to flat cams, hydrostatic interlock with diaphragms and floats hook	VANGUARD	07-2013		1350041 / 1350063	CSAFE 5	5T	SET
40	Lifeboat offload (load over centre) release gear	SCHAT HARDING	24-11-2000		17205	ARH-23	23 KN	1
41	Rescue boats, including fast rescue boat automatic release gear	NED-DECK	02-2007 / 07-2005		2235 / 1489 / 1444	CAR 35	35 KN	3

42	Lifeboat on-load / offload release (load over centre) release gear	SCHAT HARDING	05-2006		3266	RRH15	15 KN	1
43	Rescue boats, including fast rescue boat offload release gear	HENRIKSEN	01-2014		5532	HMKST 5,0	5T	1
44	Freefall hydraulic release gear	JIANGYINSHI BEIHAI	2007		0185-07	ON-OFF/LOAD	5000 KGS	1
45	Release hook stand	DELMAR	2022		-	STEEL	2T	3
46	Work desk	DELMAR	2023		-	ITU MARITIME FAC.	300 KGS	1
47	Work desk and tool desk	ENGIN METAL	2023		-	ITU MARITIME FAC.	-	1
48	Tool box with roller	ENGIN METAL	2023		-	ITU MARITIME FAC.	-	1
49	Accumulator	BUCOMA	2013		142086	HYDRAULIC	20 LTR	1
50	Line throwing	DELMAR	2023		20230095	BLT-250	-	1 SET
51	Line throwing	DELMAR	2021		2021.0045	BLT-250	-	1 SET
52	Fire hose and box set	DELMAR	2023		1 / 2 / 3 / 4	PLASTIC	-	4 SETS
53	Inflatable life jacket	LALIZAS	2022		1463	ALPHA 170N	150N	10
54	Immersion suit	TUNABORA+VIKING	2022 / 2012		221005-55 / 128654	UNIVERSAL	ADULT	2
55	Fireman suit and box set	DELMAR	2023		DS001	DS-101	POMPEII	1
56	Foam applicator hose box	DELMAR	2023		-	-	-	4
57	Water bag (5t)	MAKSTELLAR	2023		1 / 2	ORANGE	5T	2
58	Hydrostatic interlock of release gear	WUXI	2012		-	-	-	3
59	Fire extinguisher	EKSEL	2022		-	DP	6 KGS	4
60	First aid kit	EAGLE	-		-	-	-	1
61	Oil spill kit	DELMAR	-		-	-	-	1
62	Shackles	KUSDOGAN	2023		--	OMEGA	6,5T	5
63	Rescue boat on-load release gear	GEPA	2011		418	G-K1	1250 KGS	1
64	Socket tool set	IZELTAS	2022		-	-	-	1 SET
65	13/17/19 Wrench	IZELTAS	2022		-	-	-	2+1+1 SETS
66	Allen Key	IZELTAS	2022		-	-	-	1
67	Tester Screwdriver	IZELTAS	2022		-	-	-	1
68	Hedgebill	IZELTAS	2022		-	-	-	1
69	Tape measure (3mt)	IZELTAS	2022		-	-	-	1
70	Circlip pliers	IZELTAS	2022		-	-	-	2
71	Hammer 1 kg	IZELTAS	2022		-	-	-	2
72	Hammer 0,5 kg	IZELTAS	2022		-	-	-	1
73	Adjustable wrench	IZELTAS	2022		-	-	-	1
74	Hard hat	ESSAFE	2022		-	-	-	16

75	Tool box with bag	KING QUEEN	2022		-	-	-	2 SET
76	Inboard engine	BUKH	2014		211106	DV29	-	1
77	Holding/static brakes multiple disks, hydraulically operated winch	FASSMER	2002		-	HYDRAULIC	-	1
78	Filter key	IZELTAS	2022		-	-	-	1
79	Water bag (1t)	MAKSTELLAR	2023		3 / 4	ORANGE	1 T	2
80	Gravity davit winch	SCHAT DAVIT	1985		-	BE45	45KN	1
81	Callipers	IZELTAS	-		-	DIGITAL	-	1
82	Callipers	CHZ	-		-	MECHANIC	-	1
83	Boots	YDS	-		-	-	-	16
84	Gloves	BEYBI	-		-	CE0852	-	16
85	Coveralls	TRILLCHEM	-		-	PPE	-	16
86	Respiratory protective equip.	DRAGER	-		-	MASK + FILTER	-	16
87	Risk intervention card	ANATOLIA	-		-	STENCIL	-	16
88	Centrifugal brakes with friction pads winch	TECNIMPIANTI	2003		01842-TP	RD-6B	-	1

