

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.

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

Launching Appliances Types:
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)

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

Release Gear Types:
Hook Assemblies
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
Device for activating release
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, DSBFF-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(I)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 (UMOE SCHAT HARDING)	Partially enclosed lifeboat, twin fall	CTL-series, ML-series, MPC-series	16	5.4.3.1a
HARDING (UMOE SCHAT HARDING)	Rescue Boat, single fall	MOB 4.5A-series, MOB-series, RRB-series	8	5.4.3.1b
HARDING (UMOE SCHAT HARDING)	Fast Rescue Boat, single fall	NPDS-series	13	5.4.3.1b
HARDING (UMOE SCHAT HARDING)	Totally enclosed lifeboat, freefall	FF-series, KISS 800-series, LBF-series	20 / 23	5.4.3.1a
HARDING (UMOE SCHAT HARDING)	Totally enclosed lifeboat, twin fall, with air system	MCF-series, MCM-series, MCB-series, LBT-series	20	5.4.3.1a
HARDING (UMOE SCHAT 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-series	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 Lifter / Lift over centre automatic	1448 TN-series	4	5.4.3.5g
GEPA	Rescue boat / Davit Launched Lifter / 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 Lifter / 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 (UMOE SCHAT HARDING)	Devices for activating release: Free Fall Hydraulic Primary and Secondary	FFH-series	44	5.4.3.5d
HARDING (UMOE SCHAT HARDING)	Fast rescue boat offload / Manual or automatic	CAR-35F-series, CAR-series, CAR-35-series	41	5.4.3.5f
HARDING (UMOE SCHAT HARDING)	Freefall Hydraulic / mechanical	FFH-series	44	5.4.3.5d
HARDING (UMOE SCHAT HARDING)	Rescue boat / Davit Launched Lifter / Lift over centre automatic	ARH 23-series, ARH-series	40	5.4.3.5b
HARDING (UMOE SCHAT HARDING)	Rescue boat offload w. Onload capability	RRH-series, RRHIS-series, ARH-series	42	5.4.3.5c
HARDING (UMOE SCHAT HARDING) (PALFINGER)	Devices For Activating Release: Central Release Unit	LHR-series, LHR M2-series, LHR9M2-series	40	5.4.3.5b
HARDING (UMOE SCHAT 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 (UMOE SCHAT 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-HCK-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 Lifter / 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 Lifteraft / 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 Lifteraft / 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 Lifter / 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 Lifter / 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
ACORN	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, 06KN-series, 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-series	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 (UMOE SCHAT 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 (UMOE SCHAT HARDING)	Single Drum gravity lowering hydraulic hoisting	EW8PL HS-series	7	5.4.3.4.b / 5.4.3.4.c.2
HARDING (UMOE SCHAT 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 (UMOE SCHAT 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 (UMOE SCHAT 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 (UMOE SCHAT 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 lifteraft / 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 lifteraft / 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. LTD	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
ACON	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 (UMOE SCHAT HARDING)	Free fall secondary hydraulic A Frame	FF-series, LA-series	25	5.4.3.3.d
HARDING (UMOE SCHAT HARDING)	Gravity freefall primary	FFB-series, LA-series	25	5.4.3.3.d
HARDING (UMOE SCHAT 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 (UMOE SCHAT HARDING)	Single arm Slewing	LAR-series, SAR-series, SPR-series, SRR-series, FR-series	1 / 6	5.4.3.3.e
HARDING (UMOE SCHAT HARDING)	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	SA-series	11	5.4.3.3.b
HARDING (UMOE SCHAT HARDING)	Twin Fall Gravity Pivoting / Luffing	HD-SPG-series, HD-VIP-series, SPG(VL)-series	18	5.4.3.3.a
HARDING (UMOE SCHAT HARDING)	Twin Fall Gravity Rollertrack	GRA-series, HD-RT-series	17	5.4.3.3.c
HARDING (UMOE SCHAT 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 (UMOE SCHAT HARDING) (SCHAT DAVIT COMPANY) (PALFINGER)	Single arm Slewing	MOB-series	1 / 6	5.4.3.3.e
HARDING (UMOE SCHAT HARDING) (SCHAT DAVIT COMPANY) (PALFINGER)	Twin Fall Gravity Pivoting / Luffing	SPG(L)-series	18	5.4.3.3.a
HARDING (UMOE SCHAT 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 Outtrigger	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	BUCCMA	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

