

Certificate OF COMPLETION

PROUDLY PRESENTED TO

OZAN UĞUR TOPKARA



Has successfully completed
Level 1 Technical Training

The candidate is assessed competent in relation to the
training outcomes within ISO 23678-3

Held at

Delmar Academy*

Course Date: 5.08.2024 - 17.08.2024


Muhittin ORHAN
Facility Manager

 **Delmar Academy**


Fuat Arda AKYÜZ
Managing Director



Certificate Number: 24-324-082-101

Issued Date: 17.08.2024

Expiry Date: 17.08.2027

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The Holder of this certificate has received Level 1 technical training in relation to IMO Resolution MSC 402(96), Section 8: Paragraph 8.2.1

. 4 education and practical training in the procedures specified in section 6 for which certification is sought;
. 5 detailed procedures for thorough examination, operational testing, repair and overhaul of lifeboat (including free-fall lifeboats), rescue boats and fast rescue boats, launching appliances and on-load release gear

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

(See Annex for Make, Type, Model and Series information)

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 SystemTypes:

- Inboard diesel engines
- Outboard engines
- Propeller Drives
- Jet drives

Davit 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

Release Gear Type

- Lifeboat On-Load (Lift not over centre)
- Lifeboats On-Load (Lift over centre)
- Lifeboat Off-Load release (Lift over centre)
- Freefall hydraulic
- Rescue boats including Fast Rescue Boat Offload
- Rescue boats including Fast Rescue Boat Automatic
- Davit launched Liferaft Automatic



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ANNEX

SURVIVAL CRAFT

MAKE	TYPE	MODELS / SERIES	INVENTORY LIST NO	ISO 23687:2022 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,	8	5.4.3.1b
DSB ENGINEERING CO LTD	Totally enclosed lifeboat, freefall,	DSBFC-series, DSBFF-series	20, 23	5.4.3.1b



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MAKE	TYPE	MODELS / SERIES	INVENTORY LIST NO	ISO 23687:2022 REFERENCE
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, freefall,	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, SEL-series, PL-series, SEL-T-series, SEL-R-series	16	5.4.3.1a
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	23, 20	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, freefall,	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



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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



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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, HDFL-series, FF-series	20, 23	5.4.3.1a
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



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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, freefall,	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, freefall,	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, freefall,	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, JYMF-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
NEPTUNE MARINE EQUIPMENT CO., LTD.	Totally enclosed lifeboat, twin fall with air system,	NPT-C-series, SC-series, NPT-series	20	5.4.3.1a



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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, freefall,	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



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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
MONTMONTAZA GREBEN	Totally enclosed lifeboat, twin fall with sprinkler and air system,	TEL-series	20	5.4.3.1a
MONTMONTAZA GREBEN	Totally enclosed lifeboat, freefall,	FFL-series, FFL-P-series	20, 23	5.4.3.1a
MONTMONTAZA GREBEN	Rescue Boat, single fall,	RB-series	8	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 sprinkler and air system,	TELB-series	20	5.4.3.1a



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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-TR-series, G-series, ML-series, F-series	20	5.4.3.1a



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MAKE	TYPE	MODELS / SERIES	INVENTORY LIST NO	ISO 23687:2022 REFERENCE
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, freefall,	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	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



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MAKE	TYPE	MODELS / SERIES	INVENTORY LIST NO	ISO 23687:2022 REFERENCE
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



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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, freefall,	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, freefall,	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, freefall,	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



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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
VANGUARD (NANTONG)	Totally enclosed lifeboat, freefall,	VG-series	20, 23	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



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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
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
WATERCRAFT INTERNATIONAL	Totally enclosed lifeboat, twin fall with air system,	MK II-series	20	5.4.3.1a
WATERMAN OY	Partially enclosed lifeboat, twin fall,	365-series, 367-series, 391-series, 393-serie	16	5.4.3.1a
WATERMAN OY	Totally enclosed lifeboat, twin fall with sprinkler and air system,	351-series, 366-series, 366HRLseries, 368-series, 371-series, 371HR-series, 377-series, 379- series	20	5.4.3.1a
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



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MAKE	TYPE	MODELS / SERIES	INVENTORY LIST NO	ISO 23687:2022 REFERENCE
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 sprinkler and air system,	WJBF-series	20	5.4.3.1a
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



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ZODIAC HURRICANE	Rescue Boat, single fall,	H561 PROLUXE-series	8	5.4.3.1b



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RELEASE GEAR

MAKE	TYPE	MODELS / SERIES	INVENTORY LIST NO	ISO 23687:2022 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 Lifteraft / 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)	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 Lifteraft / 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 Lifteraft / Lift over centre automatic,	35KN-series	4	5.4.3.5g
CRANSTON EAGLE	Rescue boat / Davit Launched Lifteraft / 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



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DAVIT INTERNATIONAL	Freefall Hydraulic / mechanical,	ALH-series	44	5.4.3.5d
FASSMER	Devices For Activating Release: Central Release Unit,	DUPLEX < 6.6T-series, DUPLEX > 6T-series	14	5.4.3.5e
FASSMER	Devices for activating release: Free Fall Hydraulic Primary and Secondary,	FFH-series	44	5.4.3.5d
FASSMER	Devices For Activating Release: Hydrostatic interlock with float,	DUPLEX < 6.6T-series, DUPLEX > 6T-series	39	5.4.3.5a.3
FASSMER	Freefall Hydraulic / mechanical,	F-series, GAR-series	44	5.4.3.5d
FASSMER	Lifeboat on load lift not over centre, Curve to flat rotating cams,	DUPLEX>6T-series, DUPLEX-series	39	5.4.3.5a.3
FASSMER	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams,	DUPLEX<6.6T-series, DUPLEX-series, FSAR-series	37	5.4.3.5a.2
FERRI	Rescue boat / Davit Launched Liferaft / Lift over centre automatic,	1448 TN-series	4	5.4.3.5g
GEPA	Rescue boat / Davit Launched Liferaft / Lift over centre automatic,	G-K-series	4	5.4.3.5g
GLOBAL DAVIT	Lifeboat on load lift not over centre,	HRL-series	21	5.4.3.5a
GLOBAL DAVIT	Rescue boat / Davit Launched Liferaft / Lift over centre automatic,	HRL.26-series, HRL-series	4	5.4.3.5g
GLOBAL DAVIT	Rescue boat offload lift over center,	HRN-series, HRL-series	63	5.4.3.5c
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 (UMO 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
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



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HARDING (UMOE SCHAT HARDING)	Freefall Hydraulic / mechanical,	FFH-series	44	5.4.3.5d
HARDING (UMOE SCHAT HARDING)	Rescue boat / Davit Launched Liferaft / Lift over centre automatic,	ARH 23-series, ARH-series	40	5.4.3.5b
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
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)	Liferaft on load lift not over centre, Curve to flat rotating cams,	DUPLEX>6T-series	39, 21	5.4.3.5a.3 , 5.4.3.5a
HATECKE (ERNST HATECKE)	Liferaft on load lift over centre,	Raft I-series	39	5.4.3.5a.3
HATECKE (ERNST HATECKE)	Liferaft 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
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



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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 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 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
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
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	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



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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	5.4.3.5a, 5.4.3.5b ,5.4.3.5c
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Devices For Activating Release: Central Release Unit,	NPT-50-series, NPT-HAN-series, NPT-HKC-series, PN-HKC-series, PN-HKC-series	42	5.4.3.5c
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Devices For Activating Release: Hydrostatic interlock with float,	NPT-50-series, NPT-HAN-series, NPT-HKC-series, PN-HKC-series	42, 39	5.4.3.5c , 5.4.3.5a.3
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Freefall Hydraulic / mechanical,	NPT 70HKF-series, NPT-series	44	5.4.3.5d
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Lifeboat on load lift not over centre, Curve to flat rotating cams,	NPT-HK-series, NPT 50-series	21, 39	5.4.3.5a , 5.4.3.5a.3
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams,	NPT-HKC-series, PN-HKC-series	21, 37	5.4.3.5a , 5.4.3.5a.2
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Rescue boat / Davit Launched Liferaft / Lift over centre automatic,	NPT-HK25F-series	4, 41	5.4.3.5g , 5.4.3.5f
JIANGYIN NORSAFE	Lifeboat on load lift not over center, Flat to flat rotating cams,	HK56-series	4, 41	5.4.3.5g , 5.4.3.5f
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



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JIANGYINSHI BEIHAI	Fast Rescue Boat Offload with On-Load Capability,	JYB-HK-series	9	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 liferaft 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
MAKE	TYPE,	MODEL	1	ISO23678 REFERENCE
MANSEI	Rescue boat / Davit Launched Liferaft / Lift over centre automatic,	RH-series, RH3-series	4, 41	5.4.3.5g , 5.4.3.5f
MILLS	Davit launched liferaft 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
NAVALIMPIANTI	Fast rescue boat offload,	RH-3000-series	43, 4	5.4.3.5e , 5.4.3.5g
NED-DECK MARINE	Rescue boat / Davit Launched Liferaft / Lift over centre automatic,	CAR 35-series, CAR-series	4, 41	5.4.3.5g , 5.4.3.5f
NED-DECK MARINE	Rescue Boat automatic,	CAR-series	4, 41	5.4.3.5g , 5.4.3.5f
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



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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 onload 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	Lifeboat offload release lift over center,	Tor VK2, K4-series	40	5.4.3.5b
NORSAFE	Lifeboat onload lift over center,	Hydraulic series	4, 41	5.4.3.5g , 5.4.3.5f
NPT	Free fall hydraulic,	HK336-series	44	5.4.3.5d
OPTIMUN MARINE	Rescue boat / Davit Launched Liferaft / Lift over centre automatic,	31-37KN-series	4, 41	5.4.3.5g , 5.4.3.5f



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PALFINGER	Devices For Activating Release: Central Release Unit,	NADIRO D.I.B.SERIES-series	42	5.4.3.5c
PALFINGER	Devices for activating release: Free Fall Hydraulic Primary and Secondary,	FFH-series, NPT-series	42, 39	5.4.3.5c , 5.4.3.5a.3
PALFINGER	Fast rescue boat offload / Manual or automatic,	CAR-35F-series, Fast RSQ-series, CAR-F-series	41	5.4.3.5f
PALFINGER	Freefall Hydraulic / mechanical,	FFH-series	44	5.4.3.5d
PALFINGER	Rescue boat / Davit Launched Liferaft / Lift over centre automatic,	CAR 35-series	41	5.4.3.5f
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.	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	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



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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
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	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



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 Delmar Academy



RELEASE GEAR

MAKE	TYPE	MODELS / SERIES	INVENTORY LIST NO	ISO 23687:2022 REFERENCE
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
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 center,	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



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RELEASE GEAR

MAKE	TYPE	MODELS / SERIES	INVENTORY LIST NO	ISO 23687:2022 REFERENCE
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,	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
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



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WINCH

MAKE	TYPE	MODELS / SERIES	INVENTORY LIST NO	ISO 23687:2022 REFERENCE
ABAS	Single drum/gravity lowering/Hydraulic hoisting,	MDE-series	7	5.4.3.4.b , 5.4.3.4.c.2
ACEBI	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads,	TBE-series	7	5.4.3.4.b , 5.4.3.4.c.2
ACEBI	Single drum/gravity lowering/Hydraulic hoisting,	SPG-20-I, RRP-76-RAD-01-series	7	5.4.3.4.b , 5.4.3.4.c.2
ACEBI	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads,	TR-series	7	5.4.3.4.b , 5.4.3.4.c.2
ACEBI	Twin Drum, gravity lowering /electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads,	TBE-series	19	5.4.3.4.c.4
ACOIN	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads,	BE-2-series	7	5.4.3.4.b , 5.4.3.4.c.2
ACTA	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads,	KNT-series	7	5.4.3.4.b , 5.4.3.4.c.2
ACTA	Single drum/gravity lowering/electric. Hoisting w/holding static brakes with Friction pads,	KMER-series	7	5.4.3.4.b , 5.4.3.4.c.2
ACTA	Single drum,	KMER-series	12, 24	5.4.3.4.d , 5.4.3.4.c.5 , 5.4.3.4.a
ACTA	Single drum/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads,	KMER-series	7	5.4.3.4.b , 5.4.3.4.c.2
ALEXANDER WELIN	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads,	AIW-series	7	5.4.3.4.b , 5.4.3.4.c.2



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WINCH

MAKE	TYPE	MODELS / SERIES	INVENTORY LIST NO	ISO 23687:2022 REFERENCE
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, 03 KN-series, 04KN-series, 06KNseries, 07KN-series, D-BR-series, D-CRM-series, D-BC-series, D-FH-series, D-NPS-series, D-TT-series	7	5.4.3.4.b , 5.4.3.4.c.2
DAVIT INTERNATIONAL	Single Drum, hydraulic lowering/hydraulic hoisting,	06KN-series, D-CRM-series, D-BC-series, D-FH-series, D-TT-series	12, 24	5.4.3.4.d , 5.4.3.4.c.5 , 5.4.3.4.a
DAVIT INTERNATIONAL	Twin Drum, gravity lowering /electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads,	02-series, 03-series, 04-series, 12-series, 40-series, D-NP-series, D-TT-series, D-FO-series, D-RT-series	19	5.4.3.4.c.4
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



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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- 80, 19
series

5.4.3.4.c.4

DONGWOO MACHINERY &
ENGINEERING CO., LTD.

Twin Drum, gravity lowering /electrically
hoisting w / static brake cone /disk /

LW-series, DBS, DWS, LW, 80, 19
RW-series

5.4.3.4.c.4

MAKE	TYPE	MODELS / SERIES	INVENTORY LIST NO	ISO 23687:2022 REFERENCE
DONGWOO MACHINERY & ENGINEERING CO., LTD.	pads / band / decent brake centrifugal w pads,	DWS, DWS-10A, Electric	80, 19	5.4.3.4.c.4
ERNST HATECKE	Hoisting w/centrifugal brakes with Friction pads,	driven series FFA-series	80, 19	5.4.3.4.c.4
FO LIFESAVING FASSMER	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake pad, cone, disk, eccentric cam / decent brake centrifugal pads,	W-series DEW--FOD80, FPD80, FHD80, FHD175, FSAR 14, FSAR 21-series, FSARR-series	7	5.4.3.4.b , 5.4.3.4.c.2 5.4.3.4.c.2
ERNST HATECKE FASSMER	Single drum/gravity lowering/Hydraulic hoisting, lowering/hydraulic hoisting,	BBK-series FFWH-series	7 12, 24	5.4.3.4.b , 5.4.3.4.c.2 , 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, W08-series, RMS.L-series, O2E-series, RHS.L-series	7	5.4.3.4.b , 5.4.3.4.c.2
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	88, 7	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



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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.

WINCH

Single drum Gravity lowering electric
hoisting liferaft / rescue boat / static
brake pad, cone, disk, eccentric cam /

HMI-series

7

5.4.3.4.b ,

5.4.3.4.c.2

MAKE	TYPE	MODELS / SERIES	INVENTORY LIST NO	ISO 23687:2022 REFERENCE
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 ,
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)	Single Drum Gravity lowering electric hoisting liferaft / 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)	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.2 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
HYUNDAI LIFEBOATS CO.	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
HYUNDAI LIFEBOATS CO.	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



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WINDRUM LTD

Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static

ILR-W-series

7

5.4.3.4.b ,
5.4.3.4.c.2

MAKE	TYPE	MODELS / SERIES	INVENTORY LIST NO	ISO 23687:2022 REFERENCE
INI HYDRAULIC	brake pad, cone, disk, band / decent brake centrifugal pads,	IMB-series, IMC-series, INM-series, IPM-series, ZHP-series	80, 19	5.4.3.4.c.4
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	7	5.4.3.4.b , 5.4.3.4.c.2
JAPAN MARINE UNITED CORP.	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads,	MU-series	80, 19	5.4.3.4.c.4
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,	JYZ-series	7	5.4.3.4.b , 5.4.3.4.c.2
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,	JYFW-series, JYZ-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 Gravity 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	Single Drum, hydraulic lowering/hydraulic hoisting,	JYW-series, JYWP-series, JYWN-series, JY-series	80, 19	5.4.3.4.c.4
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-DW-series, NPT-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-DS-series, NPT-DW-series	80, 19	5.4.3.4.c.4
JIANGYIN NORSAFE	Twin Drum, gravity lowering /electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads,	FHD-series	7	5.4.3.4.b , 5.4.3.4.c.2
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Single drum/gravity lowering/Hydraulic hoisting,	JYD-series	80, 19	5.4.3.4.c.4
JIANGYIN XINJIANG	Twin Drum, gravity lowering /electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads,	JYW70-series	7	5.4.3.4.b , 5.4.3.4.c.2
SHI BEIHAI	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads,	YZ-series	7	5.4.3.4.b , 5.4.3.4.c.2
SHI BEIHAI	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads,	DS-series, DW-series, DZ-series, JYBW-series	80, 19	5.4.3.4.c.4



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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
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JUNG-A-MARINE CO., LTD WINCH	Twin Drum, gravity lowering /electrically hoisting w/holding static brakes with mechanically operated multiple disks	PCRLC-series	80, 19	5.4.3.4.c.4
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MAKE	TYPE	MODELS / SERIES	INVENTORY LIST NO	ISO 23687:2022 REFERENCE
MACGREGOR (TTS)	friction pads / decent brake centrifugal w pads,	HMW-series, MAC-series	12, 24	5.4.3.4.b , 5.4.3.4.c.2
(HYDRAMARINE) MANSEI	lowering/hydraulic hoisting, Single Drum, hydraulic	M-series, MW-series, 06KN-series, FW-series, SW-series	12, 24	5.4.3.4.c.5 , 5.4.3.4.d , 5.4.3.4.c.5 , 5.4.3.4.b ,
MANSEI	lowering/hydraulic hoisting, Single drum Gravity lowering electric	M-series, MW-series, ERW-series, MLW-series, RMW-series, MW-series, ABW-series, N-995-series, CMW-series, EW-series, MW-series, EH-series, EELF-series, N-series	7	5.4.3.4.b , 5.4.3.4.c.4
MANSEI	hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / hoisting w / static brake cone / disk / decent brake centrifugal pads, pads / band / 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.2 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 lifeboat / 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	2, 7	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
IT	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
NOREO (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



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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
WINCHTwin drums/gravity lowering/electric.
Hoisting/hydraulic pump lowering

NWE, LH-series, DW-series, HD-series

80, 19

5.4.3.4.c.4

MAKE	TYPE	MODELS / SERIES	INVENTORY LIST NO	ISO 23687:2022 REFERENCE
NORSAFE	Single drum/gravity lowering/Hydraulic hoisting,	NWE, LH-series, DW-series, HD-series		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	2, 7	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
PELEGRINI MARINE EQUIPMENT	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads,	RLC-series	2, 7	5.4.3.4.b , 5.4.3.4.c.2 , 5.4.3.4.c.1 , 5.4.3.4.c.3
PELEGRINI 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 INDUSTRY CO. LTD.	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads,	BW-SC-series	2, 7	5.4.3.4.b , 5.4.3.4.c.2 , 5.4.3.4.c.1 , 5.4.3.4.c.3
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



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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
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QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Twin drums/gravity lowering/Hydraulic hoisting,	BHA-series	80, 19	5.4.3.4.c.4
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MAKE	TYPE	MODELS / SERIES	INVENTORY LIST NO	ISO 23687:2022 REFERENCE
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	Twin drums/gravity lowering/electric. Single drum/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads,	BE-series, FME-series, MOB-series, PAR21-series	80, 19	5.4.3.4.b , 5.4.3.4.c.2
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	2, 7	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	2, 7	5.4.3.4.b , 5.4.3.4.c.2, 5.4.3.4.c.1, 5.4.3.4.c.
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	2, 7	5.4.3.4.b , 5.4.3.4.c.2, 5.4.3.4.c.1, 5.4.3.4.c.3
Delmar Academy	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



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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	2, 7	5.4.3.4.b , 5.4.3.4.c.2 , 5.4.3.4.c.1 , 5.4.3.4.c.3
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TSUJI HEAVY INDUSTRIES WINCH	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
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MAKE	TYPE	MODELS / SERIES	INVENTORY LIST NO	ISO 23687:2022 REFERENCE
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
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	2, 7	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	2, 7	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	2, 7	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



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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
MAKE	TYPE	MODELS / SERIES	INVENTORY LIST NO	ISO REFERENCE
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Single drum/gravity lowering/electric. Hoisting w/holding static brakes with Friction pads,	BH-series, LE-series	80, 19	5.4.3.4.c.4
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	MODELS / SERIES	INVENTORY LIST NO	ISO 23687:2022 REFERENCE
A-TECH	Gravity Roller Track,	RLD-series	17	5.4.3.3.c
A-TECH	Single arm Slewing,	HD-series	6, 1	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
ABAS	Single arm Slewing,	KDE-Series, MDE-Series	6, 1	5.4.3.3.e
ACEBI	Free fall secondary hydraulic A Frame,	TPF-Series	25	5.4.3.3.d
ACEBI	Gravity Single & 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	6, 1	5.4.3.3.e
ACEBI	Single Fall Rescue / Fast Rescue,	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



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MAKE	TYPE	MODELS / SERIES	INVENTORY LIST NO	ISO 23687:2022 REFERENCE
ACON	Single arm Slewing,	R18700-series	6, 1	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 freefall primary,	DC, MOB, HYO electrically	25	5.4.3.3.d
ACTA	Single arm Slewing,	DC-series, DR-series, HSC-series, MOB-series, NDA-series, MDE-series, HYO-series	6, 1	5.4.3.3.e
ALEXANDER RYAN	Gravity Single & 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	6, 1	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
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	6, 1	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
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Gravity Single & Twin Fall Outrigger,	PE-series, PET-series	17, 18	5.4.3.3.c 5.4.3.3.a



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LAUNCHING APPLIANCES

MAKE	TYPE	MODELS / SERIES	INVENTORY LIST NO	ISO 23687:2022 REFERENCE
BOLIN MACHINERY	Single arm Slewing,	BL-series	6, 1	5.4.3.3.e
COASTAL MARINE EQUIPMENT, INC.	Single arm Slewing,	D-series	6, 1	5.4.3.3.e
DAVIT COMPANY	Gravity Single & 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	6, 1	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 & 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	6, 1	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 freefall 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	25, 11	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	6, 1	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	6, 1	5.4.3.3.e



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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	6, 1	5.4.3.3.e
DREGGEN CRANE AS	Free fall secondary hydraulic A Frame,	HSC-series, HTD-series	25, 11	5.4.3.3.d , 5.4.3.3.b
DREGGEN CRANE AS	Gravity Single & Twin Fall Outrigger,	MOB-series	17, 18	5.4.3.3.c , 5.4.3.3.a
DREGGEN CRANE AS	Gravity freefall primary,	DC, MOB, HYO electrically	25	5.4.3.3.d
DREGGEN CRANE AS	Single arm Slewing,	DC-series, DR-series, HSC-series, MOB-series, NDA-series, MDE-series, HYO-series	6, 1	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	6, 1	5.4.3.3.e
DSB ENGINEERING CO LTD	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic,	DSBARH-series, DSBDP-series, DSBDL-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
EFFER	Single arm Slewing,	65000-5SL-series	6, 1	5.4.3.3.e
EO LIFESAVING	Single arm Slewing,	CH-52-series	6, 1	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 freefall 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	6, 1	5.4.3.3.e



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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	6, 1	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	6, 1	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 & 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	6, 1	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



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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 & Twin Fall Outrigger,	FOD-series	17	5.4.3.3.c
GREBEN	Single arm Slewing,	SAR-series, PH-series	6, 1	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	6, 1	5.4.3.3.e
HAEAN MACHINERY IND. CO. LTD.	Single arm Slewing,	HED-PC-series, HHD-PC-series	6, 1	5.4.3.3.e
HANYOUNG ENTERPRISE	Single arm Slewing,	RESCUE BOAT DAVIT-series	6, 1	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 & Twin Fall Outrigger,	HD-FL-series, ORD-series	17, 18	5.4.3.3.c , 5.4.3.3.a



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HARDING (UMOE SCHAT HARDING)	Single arm Slewing,	LAR-series, SAR-series, SPR-series, SRR-series, FR-series	6, 1	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	6, 1	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 & 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	6, 1	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



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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	6, 1	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	6, 1	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 & 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	6, 1	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 & 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



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JIANGYIN NORSAFE	Gravity freefall 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	6, 1	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 & Twin Fall Outrigger,	JYPL-series	17	5.4.3.3.c
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Single arm Slewing,	JYSA-series	6, 1	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
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	6, 1	5.4.3.3.e
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 & 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	6, 1	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



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JIANGYINSHI BEIHAI	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering,	BHGH-series	17, 18	5.4.3.3.c , 5.4.3.3.a
JUNG-A-MARINE CO., LTD	Single arm Slewing,	PCRLC-series	6, 1	5.4.3.3.e
KGW SCHWERINER MASCHINENBAU GMBH	Single arm Slewing,	RB-series	6, 1	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	6, 1	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	6, 1	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	6, 1	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



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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	6, 1	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	6, 1	5.4.3.3.e
NAVIM GROUP	Gravity Single & 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 & 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	6, 1	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 ASIA F.R.P. BOAT MANUFACTURING CO LTD	Free fall secondary hydraulic A Frame,	YZF-series	25	5.4.3.3.d
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Single arm Slewing,	YZ-series, ZFDZ-series	6, 1	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 KAIRONG	Free fall hydraulic/el secondary,	FFD-series, HW-series	25	5.4.3.3.d



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NINGBO KAIRONG	Single arm Slewing,	C-series	6, 1	5.4.3.3.e
NINGBO NEW MARINE LIFESAVING EQUIPMENT CO. LTD	Gravity Single & 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	6, 1	5.4.3.3.e
NOR DAVIT	Gravity Single & 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 & 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	6, 1	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	6, 1	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



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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	6, 1	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 & 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	6, 1	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 & Twin Fall Outrigger,	BD-PL-series, BD-series	18	5.4.3.3.a



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QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Single arm Slewing,	BD-series, SA-series, BD-SH-series, BDR-series	6, 1	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 freefall 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	6, 1	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	6, 1	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	6, 1	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



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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	6, 1	5.4.3.3.e
SEZAMOR	Single arm Slewing,	ZOL, ZZ, ZZ-ZOT, ZZ-ZOL, ZZ-ZOLT-series	6, 1	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/el 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	6, 1	5.4.3.3.e
SHEYANG SAIFUTE	Single arm Slewing,	14KN-series, 21KN-series, KN-series	6, 1	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
SHIGI	Gravity Single & Twin Fall Outrigger,	MFH-S600-series	17, 18	5.4.3.3.c , 5.4.3.3.a
SHIN MYUNG TECH	Single arm Slewing,	SMRBD&LRD-FT-series, SMRBD-SD -series, SMRBD&LRD-series, SMRBD&PV-series	6, 1	5.4.3.3.e
SORMEC	Single arm Slewing,	M-series, RB-series	6, 1	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 & 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	6, 1	5.4.3.3.e



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TSUJI HEAVY INDUSTRIES	Single arm Slewing,	RP-series	6, 1	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	6, 1	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	6, 1	5.4.3.3.e
VANGUARDE	Gravity Single & Twin Fall Outrigger,	PL-series	18	5.4.3.3.a
VANGUARDE	Single arm Slewing,	HS-series, MS-series, VS-series	6, 1	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	6, 1	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



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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 & 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	6, 1	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	6, 1	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	6, 1	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	6, 1	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 HAIDELONG MARINE	Single arm Slewing,	SA-series	6, 1	5.4.3.3.e
WUXI HAIHONG BOAT MAKING CO., LTD	Single arm Slewing,	23KN-series	6, 1	5.4.3.3.e



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WUXI HUAHAI	Gravity Single & 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	6, 1	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	6, 1	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,	6, 1	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 & Twin Fall Outrigger,	PL-series	17, 18	5.4.3.3.c , 5.4.3.3.a



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ZHEJIANG TAIZHOU WANTONG MARINE MACHINERY CO LTD	Single arm Slewing,	HDCL-series, SAFC-series, SAW30-series, ZF-series	6, 1	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 freefall 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	6, 1	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



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Inventory List

NO	EQUIPMENT NAME	MAKER	MANUF. DATE	CAPACITY	SERIAL NO	TYPE	SWL	QTY
1	Single arm slewing (manual) davit	NED-DECK MARINE	2003-09-01		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	2003-01-01			04-03W/WH	21KN	1
3	Single fall rescue boat (inflatable)	ZODIAC	2006-01-01	6 PERSONS	ZO416	RIBO 420	800 KGS	1
4	Davit launched life raft automatic release gear	RFD - DUNMURRY	1992-02-01		SKN4035	MK4	2,5T	1
5	Outboard engine	MERCURY 15	2009-07-01		OR315682	F15M	15 HP	1
6	Single arm slewing (electric) davit	ZHENJIANG MARINE	1999-09-01		2099018	SAF14	14KN	1
7	Single drum, holding/static brakes with friction pads winch	ZHENJIANG MARINE	1999-09-01		2099018	SAW14	14KN	1
8	Single fall rescue boat	NORSAFE	2011-12-01	6 PERSONS	15676	45 MATRIX	945 KGS	1
9	Rescue boats, including fast rescue boat offload release gear	RC	2012-01-01		05551-12	OFF-LOAD	2,5T	1
10	Outboard engine	YAMAHA 15	2012-01-01		1029037	F15CMH	15 HP	1
11	Hydraulic pivoting/luffing A-frame davit	VEST DAVIT	1991-01-01	3600 KGS	466	P-3600	3,6T	1
12	Hydraulic lowering and hoisting, hydraulic pump lowering brake winch	VEST DAVIT	1991-01-01	3600 KGS		W-4	3,6T	1
13	Single fall fast rescue boat	FASSMER	2016-05-01	6 PERSONS	16.02.2869	RR6,2ID-IRB	1700 KGS	1
14	Rescue boats, (including fast rescue boat) offload release gear	FASSMER DUPLEX	2014-11-01	2,5T	14132414	25E2/2,5	2,5T	1
15	Jet drive engine, propeller drive engine	STEYR	2015-11-01	144HP	482351329	MO144M38	144HP	1
16	Partially enclosed lifeboat, twin fall, open lifeboat, twin fall	VIKING	1976-01-01	19 PERSONS	532	OPEN TYPE		1
17	Gravity roller track davit	SCHAT DAVIT	1985-01-01			BE45	45 KN	1



NO	EQUIPMENT NAME	MAKER	MANUF. DATE	CAPACITY	SERIAL NO	TYPE	SWL	QTY
18	Gravity twin fall outrigger davit	MIURA VIDER	1998-10-14	4800 KGS	1946	N-461	4800 KGS	1
19	Gravity-lowering/electric hoisting with brake system winch	MIURA VIDER	1998-10-01	5000 KGS		W-4-98	5000 KGS	1
20	Totally enclosed lifeboats with sprinkler and air system	SHIGI	1999-02-01	25 PERSONS	17369	SZK53	4210 KGS	1
21	Lifeboat on-load / offload (load not over center) hook, up and down pins release gear	SHIGI	1999-01-01			SZK 25	3T	SET
22	Inboard diesel engine	YANMAR	1998-11-01	25HP	2125	3JH25A	25HP	1
23	Totally enclosed freefall life boat with sprinkler and air system	JIANGYIN NEPTUNE	2007-08-01	20 PERSONS	49627	NPT49FF	4500 KGS	1
24	Twin drum winch	FASSMER	2004-01-01			FW-6S	55 KN	1
25	Gravity free fall primary and hydraulic secondary davit	FASSMER	2004-01-01			FFD-55	55KN	1
26	Lifeboat on-load / offload release gear	JIANGYIN NEPTUNE	2007-01-01		683	NPT70	7000 KGS	1
27	Inboard diesel engine	CHINA	2007-05-01	20,6KW	Z380C-R03	MARINE	20,6KW	1
28	Liferaft	CSM	2021-10-01	16 PERSONS	21D16140	SMLR-D-16	1490 KGS	1
29	Liferaft	CSM	2013-08-01	6 PERSONS	13A06209	SMLR-A-06	600 KGS	1
30	Lifebuoy	MARTEK	2023-01-01	ADULT		2,5KGS	ADULT	8
31	Embarkation ladder	DELMAR	2023-05-01	6 MTR	49/50	D-SAFE		2
32	Hydraulic double motor	ASEA MOTOR	2008-01-01		7556194 /7556197	MBT 112M		1
33	Liferaft release hook	CSM	2004-04-01	25 PERSONS	849	METAL	2,5T	1
34	Rescue boat stand	DELMAR	2023-01-01	2T	DS01 / DS02	STEEL	2T	2



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35	Liferaft cradle	DELMAR	2023-01-01	1T		STEEL	1T	3
36	Hru	SAFETMADE	2022-01-01		1202049	PLASTIC		1
37	Curve to curve cams, intermediary hook, arresting levers release gear	HARDING	2013-04-01		1070/13 - 1071/13	OFF/ON LOAD	53,77 KN	SET
38	Flat to flat cams, amplification arms, arresting levers release gear	NORSAFE	2006-12-01		068152/068146	TOR 8T	8T	SET
39	Curve to flat cams, hydrostatic interlock with diaphragms and floats hook	VANGUARD	2013-07-01		1350041 / 1350063	CSAFE 5	5T	SET
40	Lifeboat offload (load over centre) release gear	SCHAT HARDING	2000-11-24		17205	ARRH-23	23 KN	1
41	Rescue boats, including fast rescue boat automatic release gear	NED-DECK	2007-02-01		2235 / 1489 / 1444	CAR 35	35 KN	3
42	Lifeboat on-load / offload release (load over centre) release gear	SCHAT HARDING	2006-05-01		3266	RRH15	15 KN	1
43	Rescue boats, including fast rescue boat offload release gear	HENRIKSEN	2014-01-01		5532	HMKST 5,0	5T	1
44	Freefall hydraulic release gear	JIANGYINSHI BEIHAI	2007-01-01		0185-07	ON-OFF/LOAD	5000 KGS	1
45	Release hook stand	DELMAR	2022-01-01			STEEL	2T	3
46	Work desk	DELMAR	2023-01-01			ITU MARITIME FAC.	300 KGS	1
47	Work desk and tool desk	ENGIN METAL	2023-01-01			ITU MARITIME FAC.		1
48	Tool box with roller	ENGIN METAL	2023-01-01			ITU MARITIME FAC.		1
49	Accumulator	BUCCMA	2013-01-01		142086	HYDRAULIC	20 LTR	1
50	Line throwing	DELMAR	2023-01-01		20230095	BLT-250		1
51	Line throwing	DELMAR	2021-01-01		20210045	BLT-250		1



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52	Fire hose and box set	DELMAR	2023-01-01		1 / 2 / 3 / 4	PLASTIC		4
53	Inflatable life jacket	LALIZAS	2022-01-01		1463	ALPHA 170N	150N	10
54	Immersion suit	TUNABORA+VIKING	2022-01-01		221005-55 / 128654	UNIVERSAL	ADULT	2
55	Fireman suit and box set	DELMAR	2023-01-01		DS001	DS-101	POMPEII	1
56	Foam applicator hose box	DELMAR	2023-01-01					4
57	Water bag (5t)	MAKSTELLAR	2023-01-01		1 / 2	ORANGE	5T	2
58	Hydrostatic interlock of release gear	WUXI	2012-01-01					3
59	Fire extinguisher	EKSEL	2022-01-01			DP	6 KGS	4
60	First aid kit	EAGLE						1
61	Oil spill kit	DELMAR						1
62	Shackles	KUSDOGAN	2023-01-01		--	OMEGA	6,5T	5
63	Rescue boat on-load release gear	GEPA	2011-01-01		418	G-K1	1250 KGS	1
64	Socket tool set	IZELTAS	2022-01-01					1
65	13/17/19 Wrench	IZELTAS	2022-01-01					2+1+1
66	Allen Key	IZELTAS	2022-01-01					1
67	Tester Screwdriver	IZELTAS	2022-01-01					1
68	Hedgebill	IZELTAS	2022-01-01					1



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NO	EQUIPMENT NAME	MAKER	MANUF. DATE	CAPACITY	SERIAL NO	TYPE	SWL	QTY
69	Tape measure (3mt)	IZELTAS	2022-01-01					1
70	Circlip pliers	IZELTAS	2022-01-01					2
71	Hammer 1 kg	IZELTAS	2022-01-01					2
72	Hammer 0,5 kg	IZELTAS	2022-01-01					1
73	Adjustable wrench	IZELTAS	2022-01-01					1
74	Hard hat	ESSAFE	2022-01-01					16
75	Tool box with bag	KING QUEEN	2022-01-01					2
76	Inboard engine	BUKH	2014-01-01		211106	DV29		1
77	Holding/static brakes multiple disks, hydraulically operated winch	FASSMER	2002-01-01			HYDRAULIC		1
78	Filter key	IZELTAS	2022-01-01					1
79	Water bag (1t)	MAKSTELLAR	2023-01-01		3 / 4	ORANGE	1T	2
80	Gravity davit winch	SCHAT DAVIT	1985-01-01			BE45	45KN	1
81	Callipers	IZELTAS				DIGITAL		1
82	Callipers	CHZ				MECHANIC		1
83	Boots	YDS						16
84	Gloves	BEYBİ				CE0852		16
85	Coveralls	TRILLCHEM				PPE		16



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86	Respiratory protective equip.	DRAGER				MASK + FILTER		16
87	Risk intervention card	ANATOLIA				STENCIL		16
88	Centrifugal brakes with friction pads winch	TECNIMPIANTI	2003-01-01		01842-TP	RD-6B		1
89	Fuel/Oil Tank	SDM	2023-05-11	20 Lt	24234	Tank - Plastic	-	1



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