



Certificate Number **22-5571376-A**
Effective Date 08-December-2022
Expiry Date 07-December-2025
ABS Port Office Limassol, Cyprus
Company's Website www.hss-marinesafety.com

CERTIFICATE OF Recognized Service Supplier

This is to certify that

HSS MARINE SAFETY SERVICES LTD

located at

Fameline building 1-3, Spatharikou Str., Mesa Geitonia, CY 4004, LIMASSOL, CYPRUS

having been audited by ABS and having given a satisfactory practical demonstration of the service listed below, is recognized by ABS as a Service Supplier to provide services which ABS Surveyors may rely on to make decisions affecting classification or statutory surveys.

Maintenance, thorough Examination, Operational Testing, Overhaul and Repair of Lifeboats and Rescue Boats, Launching Appliances and Release Gear

Attached Certificate Appendix provides specific scope of approval, authorized personnel, manufacturer authorizations, and subcontractors.

It is the responsibility of the Service Supplier to employ, train and qualify persons in the service provided. If the service requires approval from manufacturers, the Service Supplier is responsible to maintain contact with the manufacturer and maintain any service manuals up to date. Where required by the category of service, the Service Supplier shall provide valid evidence that it is authorized or licensed by the equipment manufacturer to service the makes and models of equipment for which approval is sought. If approval from the manufacturer is not attained, a surveyor must be present at time of survey to continue work. Alternatively, current written instructions from the flag state are to be obtained to continue work without the surveyor present. Service Suppliers must present photo identification, evidence of qualification and authorizations from manufacturers, as applicable, at the time of service.

The ABS office issuing this certificate is to be kept updated with changes to the management of the company, employees, equipment and models on the authorization list and any changes made.



Christofis Polykarpou, Surveyor



TERMS AND CONDITIONS

The issuance and interpretation of this Certificate of Service Recognition (hereinafter referred to as "certificate") is subject to the following terms and conditions.

1. REPRESENTATIONS AS TO SERVICE RECOGNITION

The Certificate is a representation only that the specified Company has been audited by ABS and has given a satisfactory practical demonstration of the listed services which ABS Surveyors may rely on to make decisions affecting classification or statutory surveys and is issued solely for the use of ABS and its committees. The validity, applicability and interpretation of this certificate are governed by the Rules, Guides, or standards of ABS who shall remain the sole judge thereof.

2. RESPONSIBILITY AND LIABILITY

The Company is not a subcontractor of ABS and is not an agent of ABS for any purpose. The Company remains solely responsible for its equipment, the qualifications and competency of its personnel, the supervision of its personnel, and the safety of its personnel while performing its services. Nothing contained in this certificate or any letter or report issued in contemplation of this certificate shall be deemed to relieve Company or any designer, builder, owner, manufacturer, seller, supplier, repairer, operator or other entity of any warranty express or implied nor to create any interest, right, claim or benefit in any third party. It is understood and agreed that nothing expressed herein is intended or shall be construed to give any person, firm or corporation, other than the parties hereto, any right, remedy or claim hereunder; all provisions hereof are for the sole and exclusive benefit of the parties hereto.

3. LIMITATION

ABS makes no representations beyond those contained herein regarding its reports, letters, audits, certificates or other services.

4. HOLD HARMLESS

The party to whom this certificate is issued, and his assignee and successor in interest, agree to indemnify and hold harmless ABS from and against any and all claims, demands, lawsuits, or actions for damages, including legal fees, to persons and property, tangible, intangible, or otherwise which may be brought against ABS incidental to, arising out of or in connection with the work done, services performed or material to be furnished under this certificate, except for those claims caused solely and completely by the negligence of ABS, its agents, employees, officers, directors or subcontractors.

Company shall defend, indemnify, and hold harmless ABS and its affiliates from and

against any and all third party claims and liabilities (including, without limitation, reasonable attorneys' fees and costs), regardless of the form of action, arising out of or in connection with a claim that the service(s) offered by Company for which Company has sought recognition from ABS, infringes, violates, or misappropriates a valid third party patent, copyright, or other proprietary right, provided that Company is promptly notified in writing of such claim, and ABS has not reached any compromise or settlement in such action or made any admissions in respect of the same.

5. ARBITRATION

Any and all differences and disputes of whatsoever nature arising out of or relating to this certificate shall be put to arbitration in the City of New York pursuant to the laws relating to arbitration there in force, before a board of three persons, consisting of one arbitrator to be appointed by ABS, one by Company, and one by the two so chosen. The decision of any two of the three on any point or points shall be final. Until such time as the arbitrators finally close the hearings either party shall have the right by written notice served on the arbitrators and on an officer of the other party to specify further disputes or difference under this Agreement for hearing and determination. The arbitration is to be conducted in accordance with the rules of the Society of Maritime Arbitrators, Inc. The arbitrators may grant any relief, other than punitive damages which they, or a majority of them, deem just and equitable and within the scope of the agreement of the parties, including, but not limited to, specific performance. Awards made in pursuance to this clause may include costs including a reasonable allowance for attorney's fees and judgment may be entered upon any award made hereunder in any court having jurisdiction. ABS and Company hereby mutually waive any and all claims to punitive damages in any forum. Company shall be required to notify ABS within thirty (30) days of the commencement of any arbitration between it and third parties which may concern ABS' work in connection with this certificate and shall afford ABS an opportunity, at ABS' sole option, to participate in the arbitration.

6. TIME BAR TO LEGAL ACTION

Any statutes of limitation notwithstanding, Company expressly agrees for itself and its affiliated companies that its right to bring or to assert against ABS any and all claims, demands or proceedings whether in arbitration or otherwise shall be waived unless (a) notice is received by ABS within thirty (30) days after Company or its affiliates had notice of or should reasonably have been expected to have had notice of the basis for

such claims; and (b) arbitration or legal proceedings, if any, based on such claims or demands of whatever nature are commenced within one year of the date of such notice to ABS.

7. LIMITATION OF LIABILITY

The combined liability of American Bureau of Shipping, its officers, employees, agents or subcontractors for any loss, claim, or damage arising from negligent performance or non-performance of any services under this Agreement, or from breach of any implied or express warranty of workmanlike performance in connection with the services, or from any other reason, to any person, corporation, partnership, business entity, sovereign, country or nation, shall be limited to the greater of a) \$100,000 or b) an amount equal to ten times the sum actually paid for the services alleged to be deficient. The limitation of liability may be increased up to an amount twenty-five times that sum paid for services upon receipt of Company's written request at or before the time of performance of service and upon payment by Company of an additional fee of \$10 for every \$1,000.00 increase in the limitation.

8. ETHICS AND COMPLIANCE

Falsification of this certificate, including any alterations by an entity other than ABS, may result in actions against the culpable entity up to and including legal proceedings for the misrepresentation of this document. Measures may include but are not limited to the immediate and indefinite suspension of the certificate in question, delisting of the entity from ABS online certification database, and immediate restriction of use of the authorized ABS service logos. Upon investigation by ABS, ABS reserves the right to permanently disqualify the implicated entity or its Principals from holding any service certifications from ABS.

This certificate is intended only for the use of the individual or entity to which it is addressed, and may contain information that is privileged, confidential and exempt from disclosure under applicable law. If the reader is not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited.



APPENDIX TO ABS SERVICE SUPPLIER CERTIFICATION NO. 22-5571376-A

Scope of Approval, Limitations or Restrictions

The service recognition is for maintenance, thorough examination, operational testing, overhaul and repair of:

- Lifeboat (including free-fall lifeboats), rescue boats and fast rescue boats
- Launching appliances
- On-load and off-load release gears for lifeboats (including primary and secondary means of launching appliances for free-fall lifeboats)
- Davit-launched liferaft

The recognition is in accordance with Resolution MSC.402(96) Annex, Section 7 & 8 and IACS UR Z17.

Service reports are to be issued using Cralog licensed software: go.cralog.com

Authorized Personnel

Antonios Leonidis

Technicians are to provide certification personnel card and training records for each service. Technicians are provided with QR Code for verification of records. Additionally, verification can be completed at www.cralog.com

Quality Manager

Stephanie Mogharbel

Authorization(s) from Equipment Manufacturers and Flag Administrations*

- Oriental Inspection & Service Co. Ltd.
- HLB (Hyundai Lifeboats) Co.Ltd
- Dongnam Marine Crane Co Ltd / Sang Sangin Industry Co.Ltd.
- Qingdao Beihai Shipbuilding Heavy Industries Co. Ltd.

The service supplier personnel were trained as per ISO/PAS 23678 to work on each make/type of equipment as listed on the attached appendix.

The service supplier authorized by Flag Administration (Panama Maritime Authority and Liberia Maritime Authority)

Subcontractor and Scope of Subcontracting Work

N/A

NOTE: This certificate evidence compliance with one or more of the Rules, Guides, standards or other criteria of the American Bureau of Shipping and is issued solely for the use of the Bureau. This certificate is a representation only that the Company has been assessed in accordance with ABS procedures and found capable of providing the listed service as limited by the associated recognition letter. This certificate is governed by the Terms and Conditions on the above page hereof and by the Rules, Guides or Standards of the American Bureau of Shipping, who shall remain the sole judge thereof.

* For statutory related activities, unless specially directed by the Administration, this approval is not to be construed as a substitute or a Flag Administration's approval for the purpose of SOLAS (2020 Consolidated Edition), as amended.



Appendix to ABS Certificate Number: 22-5571376-A

Company Name: HSS MARINE SAFETY SERVICES LTD

This company has obtained authorization on the following equipment to be examined, tested, repaired and overhauled as outlined in MSC.402 (96). Unless specially directed by the Administration, this service supplier certificate is not to be construed as a substitute for a flag Administration's approval for the purpose of SOLAS. Accepted according to Lifesaving equipment types under MSC.402(96) (Annex, Section 7) & IACS UR Z17 Latest Edition.

Manufacturer	Type of Equipment	Model No./Make	Comments
Davits Make	ISO/PAS 23678 Type	Type/Model	
ABAS	Single arm Slewing	KDE-series, MDE-series	
ACEBI	Free fall secondary hydraulic A Frame	TPF-series	
ACEBI	Gravity single and twin fall outrigger	A-series, AF-series, PF-series	
ACEBI	Single arm Slewing	PFR-series, RRP-series, TPU-series	
ACEBI	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	TPF-series, TPU-series	
ACEBI	Twin Fall Gravity Pivoting / Luffing	SPG-series	
ACEBI	Twin Fall Gravity Rollertrack	GRA-series	
ACEBI	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	TPC-series	
ACOIN	Single Arm Slewing	R18700-series	
ACTA	Free fall secondary hydraulic A Frame	HSC-series	
ACTA	Single arm Slewing	DC-series, DR-series, HSC-series, MOB-series	
ALEXANDER RYAN	Gravity single and twin fall outrigger	BH-series	
ARIM	Single arm Slewing	AREH-series, ARPV-series	
ARIM	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	ARPV-series	
ARIM	Twin Fall Gravity Pivoting / Luffing	AHA-series	
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Free fall secondary hydraulic A Frame	BDF-series, HDFL-series	
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Gravity freefall primary	BDF-series	
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Single arm Slewing	BDR-series, BLR-series	
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	BDA-series, BDFA-series, BFRD-series	

BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	BDTD-series, TT-series	
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Twin Fall Gravity Pivoting / Luffing	BDH-series, BDMS-series	
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Twin Fall Gravity Rollertrack	BDTW-series	
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	BDH-series	
BIANCHI & CHECCHI	Gravity single and twin fall outrigger	PE-series, PET-series	
BOPP TREUILS JEB	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	BHD-series	
COASTAL MARINE EQUIPMENT, INC.	Single arm Slewing	D-series	
DAELIM TECHNOLOGY CO. LTD.	Free fall secondary hydraulic A Frame	FF-740-series	
DAVIT COMPANY	Gravity single and twin fall outrigger	FFFD-series	
DAVIT COMPANY	Single arm Slewing	SRR-series	
DAVIT INTERNATIONAL	Free fall secondary hydraulic A Frame	D-FH-series	
DAVIT INTERNATIONAL	Gravity freefall primary	D-TF-series	
DAVIT INTERNATIONAL	Gravity single and twin fall outrigger	D-FO-series, D-FOS-series	
DAVIT INTERNATIONAL	Single arm Slewing	D-BR-series, D-CR.R-series, DCRH.R-series, D-CRM-series, D-FOS-series, D-RC-series, D-RC.T-series, D.BC.R-series, D.CRE.R-series	
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	
DAVIT INTERNATIONAL	Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	D-FP.R-series, D-TT-series, DTT.SP-series	
DAVIT INTERNATIONAL	Twin Fall Gravity Pivoting / Luffing	D-NP-series, D-NP.MP-series	
DAVIT INTERNATIONAL	Twin Fall Gravity Rollertrack	D-RT-series	
DAVIT INTERNATIONAL	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	D-NP-series, D-SP-series	
DENIZSAN	Free fall secondary hydraulic A Frame	DSFDD-series	
DENIZSAN	Single arm Slewing	DRBD-series, DRBLRD-series, DSRBD-series	
DENIZSAN	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	DSFRB-series	
DONG NAM ENTERPRISE.,CO LTD	Twin Fall Gravity Pivoting / Luffing	DLB-series	
DONGNAM MARINE CRANE CO.,LTD.	Single arm Slewing	DCPV-series, DNRD-series, DR series, DRBLRD-series, DSAC series, DSAD-series	
DONGNAM MARINE CRANE CO.,LTD.	Twin Fall Gravity Pivoting / Luffing	DHGD-series	
DONGWOO MACHINERY & ENGINEERING CO., LTD.	Single arm Slewing	DBD-series	
DONGWOO MACHINERY & ENGINEERING CO., LTD.	Twin Fall Gravity Pivoting / Luffing	DWS-series	
DSB ENGINEERING CO LTD	Free fall secondary hydraulic A Frame	DSBDF-series	

DSB ENGINEERING CO LTD	Single arm Slewing	DSB23DR-series	
DSB ENGINEERING CO LTD	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	DSBARH-series, DSBDP-series, DSBDL-series	
DSB ENGINEERING CO LTD	Twin Fall Gravity Pivoting / Luffing	DSBDL-series, DSBDTL-series	
DSB ENGINEERING CO LTD	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	DSBDYL-series	
EO LIFESAVING	Single arm Slewing	CH-52-series	
FASSMER	Free fall secondary hydraulic A Frame	FFH-series	
FASSMER	Gravity freefall primary	FLR-series	
FASSMER	Single arm Slewing	FSARR-series	
FASSMER	Twin Fall Gravity Pivoting / Luffing	FPD-series	
FASSMER	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	FMPD-series	
FASSMER MARLAND	Free fall secondary hydraulic A Frame	FFH-series	
GILBERT & SCHMALRIEDE. GMBH & CO. KG	Single arm Slewing	PJ1385-series	
GILBERT & SCHMALRIEDE. GMBH & CO. KG	Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	PJ-1386-series	
GLOBAL DAVIT	Gravity single and twin fall outrigger	GSP.O-series, RSP.O-series	
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, 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	
GLOBAL DAVIT	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	RHP-series, RHP.HC-series	
GLOBAL DAVIT	Twin Fall Gravity Pivoting / Luffing	GLP.FP-series, GLP.MP-series, GSP.FP-series, GSP.MP-series	
GLOBAL DAVIT	Twin Fall Gravity Rollertrack	GLP.RT-series, GSP.RT-series, GSP.RT, GLP.RT-series	
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	
GREBEN	Free fall secondary hydraulic A Frame	HFF-series	
GREBEN	Gravity single and twin fall outrigger	FOD-series	
GREBEN	Single arm Slewing	SAR-series	
GREBEN	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	RLC-series	
GREBEN	Twin Fall Gravity Pivoting / Luffing	SPG-series	
GREBEN	Twin Fall Gravity Rollertrack	GR-RTD-series	
GREBEN	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	GD-PD-series, HD-series	
GURDESAN	Free fall secondary hydraulic A Frame	GD-FFD-series	
GURDESAN	Single arm Slewing	GD-KHK-series, GD-RRS-series	
HAEAN MACHINERY IND. CO. LTD.	Single arm Slewing	HED-PC-series, HHC-PC-series	
HANYOUNG ENTERPRISE	Single arm Slewing	RESCUE BOAT DAVIT-series	

HARDING (UMO SCHAT HARDING)	Free fall secondary hydraulic A Frame	FF-series	
HARDING (UMO SCHAT HARDING)	Gravity freefall primary	FFB-series, LA-series	
HARDING (UMO SCHAT HARDING)	Gravity single and twin fall outrigger	HD-FL-series, ORD-series	
HARDING (UMO SCHAT HARDING)	Single arm Slewing	LAR-series, SAR-series, SPR-series, SRR-series	
HARDING (UMO SCHAT HARDING)	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	SA-series	
HARDING (UMO SCHAT HARDING)	Twin Fall Gravity Pivoting / Luffing	HD-SPG-series, HD-VIP-series, SPG(VL)-series	
HARDING (UMO SCHAT HARDING)	Twin Fall Gravity Rollertrack	GRA-series, HD-RT-series	
HARDING (UMO SCHAT HARDING)	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	SPD-series	
HARDING (UMO SCHAT HARDING) (SCHAT DAVIT COMPANY) (PALFINGER)	Single arm Slewing	MOB-series	
HARDING (UMO SCHAT HARDING) (SCHAT DAVIT COMPANY) (PALFINGER)	Twin Fall Gravity Pivoting / Luffing	SPG(L)-series	
HARDING (UMO SCHAT HARDING) (SCHAT DAVIT COMPANY) (PALFINGER)	Twin Fall Gravity Rollertrack	NT-series	
HARDING (UMO SCHAT HARDING) (PALFINGER)	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	NPDS-series	
HARDING (UMO SCHAT HARDING) (PALFINGER)	Free fall secondary hydraulic A Frame	LA-series	
HARDING (UMO SCHAT HARDING) (PALFINGER)	Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	NTD-series	
HARDING (UMO SCHAT HARDING) (PALFINGER)	Twin Fall Gravity Rollertrack	ND-series	
HARDING (WATERCRAFT)	Twin Fall Gravity Rollertrack	WRG-series	
HATECKE (ERNST HATECKE)	Free fall secondary hydraulic A Frame	FFA-series	
HATECKE (ERNST HATECKE)	Gravity freefall primary	FFB-series	
HATECKE (ERNST HATECKE)	Gravity single and twin fall outrigger	GSP.O-series	
HATECKE (ERNST HATECKE)	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	GSP.FP-series	
IHI MARINE UNITED INC	Twin Fall Gravity Pivoting / Luffing	MUL-series	
IKNOW MACHINERY (TSUJI)	Twin Fall Gravity Pivoting / Luffing	HD-series	
IMT CO., LTD	Single arm Slewing	ILR-series	
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Free fall secondary hydraulic A Frame	JYF-series	
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Gravity single and twin fall outrigger	JYP-series	
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD	Single arm Slewing	JYRCA-series	

(JIANGYIN XINJIANG F.R.P. CO. LTD)			
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	JYR-series	
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Twin Fall Gravity Pivoting / Luffing	JYL-series	
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Twin Fall Gravity Rollertrack	JYGR-series	
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	JYHG-series	
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Free fall secondary hydraulic A Frame	NPT-DF-series	
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Gravity single and twin fall outrigger	NPT-DP-series, NPT-PL-series	
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Single arm Slewing	NPT-DR-series	
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	NPT- BE-series, NPT-DR-series	
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Twin Fall Gravity Pivoting / Luffing	NPT-DL-series, NPT-DP-series, NPT-DYL-series	
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Free fall secondary hydraulic A Frame	JY-FH-series	
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Gravity single and twin fall outrigger	JYPL-series	
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Single arm Slewing	JYSA-series	
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	
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Twin Fall Gravity Pivoting / Luffing	JYPL-series	
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Twin Fall Gravity Rollertrack	JYHE-series	
JIANGYINSHI BEIHAI	Free fall secondary hydraulic A Frame	FA-series	
JIANGYINSHI BEIHAI	Gravity single and twin fall outrigger	PD-series	
JIANGYINSHI BEIHAI	Single arm Slewing	SA-series, SAC-series, SMR-series	
JIANGYINSHI BEIHAI	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	EHRD-series, FRH-series, SRH-series	
JIANGYINSHI BEIHAI	Twin Fall Gravity Pivoting / Luffing	BH-G-series, LA-series, LB-H-series	
JIANGYINSHI BEIHAI	Twin Fall Gravity Rollertrack	HB-H-series, RB-H-series	
JIANGYINSHI BEIHAI	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	BHGH-series	
JUNG-A-MARINE CO., LTD	Single arm Slewing	PCRLC-series	
KGW SCHWERINER MASCHINENBAU GMBH	Single arm Slewing	RB-series	
KYORITSU KIKAI	Free fall secondary hydraulic A Frame	LAF-MUF68-series	
MACGREGOR (TTS) (HYDRAMARINE)	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	G-TYPE-series	

MACGREGOR (TTS) (HYDRAMARINE)	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	A-TYPE-series, HLD-series, HMC -series, HMD-series	
MACGREGOR (TTS) (HYDRAMARINE)	Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	T-TYPE-series	
MANSEI	Free fall secondary hydraulic A Frame	D-FH-series, FE-series, MFH- series	
MANSEI	Single arm Slewing	R-Series, RD-series, SAR-series, SR-series	
MANSEI	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	HER-series	
MANSEI	Twin Fall Gravity Pivoting / Luffing	ABD-series, AH-series, AV-series, EH-series, EM-series, M-series	
MANSEI	Twin Fall Gravity Rollertrack	AT-series, GRA-series	
MIURA MACHINE CO.,LTD (MIURA VIDER) (MANSEI)	Twin Fall Gravity Pivoting / Luffing	MVD-series, SPG(VD)-series	
NANJING DONGSHENG MARINE EQUIPMENT CO., LTD	Single arm Slewing	AR14-series	
NAVIGATIONS	Single arm Slewing	1,1-series	
NAVIM GROUP	Gravity single and twin fall outrigger	FDRB-series	
NAVIM GROUP	Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	SPDT-L-series, SPDT-R-series, SPDT-T-series	
NAVIM GROUP	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	SGHD- L-series, SPHD- T-series	
NED-DECK MARINE (PALFINGER)	Gravity single and twin fall outrigger	FPG-series	
NED-DECK MARINE (PALFINGER)	Single arm Slewing	SCH-series, SCM-series, SCT- series, SEC-series	
NED-DECK MARINE (PALFINGER)	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	PFH-series, PRH-series, PRHE- series	
NED-DECK MARINE (PALFINGER)	Twin Fall Gravity Pivoting / Luffing	PL-series	
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Free fall secondary hydraulic A Frame	YZF-series	
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Single arm Slewing	YZ-series, ZFDZ-series	
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Twin Fall Gravity Pivoting / Luffing	L-series	
NINGBO NEW MARINE LIFESAVING EQUIPMENT CO. LTD	Gravity single and twin fall outrigger	NMPL-series	
NINGBO NEW MARINE LIFESAVING EQUIPMENT CO. LTD	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	NM-series, NMAR-series	
NMF	Single arm Slewing	BPK-series, KD.2-series	
NOR DAVIT	Gravity single and twin fall outrigger	PL-series	
NOR DAVIT	Twin Fall Gravity Pivoting / Luffing	SDP-series	
NOREQ (PALFINGER)	Gravity single and twin fall outrigger	NRD-series	
NOREQ (PALFINGER)	Single arm Slewing	SCH-series, SCH-R-series, SCHD- series, SCM-L-series, SCM -R- series	
NOREQ (PALFINGER)	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	NPD-series	
NOREQ (PALFINGER)	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	NPD-series	
NORSAFE	Single Fall Rescue / Fast Rescue Boat A	NDA-series	

	Frame Hydraulic		
ORIENTAL PRECISION	Free fall secondary hydraulic A Frame	FD-series, FF-series	
ORIENTAL PRECISION	Single arm Slewing	RD-series, SHS-series	
ORIENTAL PRECISION	Twin Fall Gravity Pivoting / Luffing	DHA-series, DMA-series, HGD-series, HGK-series	
ORIENTAL PRECISION	Twin Fall Gravity Rollertrack	RTD-series	
ORIENTAL PRECISION - SEKIGAHARA	Twin Fall Gravity Pivoting / Luffing	SHS-series	
PALFINGER	Free fall secondary hydraulic A Frame	NPT-DF-series	
PALFINGER	Gravity freefall primary	FF-series	
PALFINGER	Gravity single and twin fall outrigger	FPG-series	
PALFINGER	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	SCH-R-series, SCM-L-series, SCM-R-series	
PALFINGER	Twin Fall Gravity Pivoting / Luffing	NPT-series, VIP-series	
PALFINGER	Twin Fall Gravity Rollertrack	NPT-series	
PALFINGER	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	NPD-series, PFH-series	
PELEGRINI MARINE EQUIPMENT	Single arm Slewing	CHCD 2,507+ RLC 2.1/4.5-series, RLC-series	
PELEGRINI MARINE EQUIPMENT	Twin Fall Gravity Pivoting / Luffing	GRA-series	
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Free fall secondary hydraulic A Frame	BD-FF-series	
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Gravity single and twin fall outrigger	BD-PL-series	
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Single arm Slewing	BD- SA-series, BD-SH-series	
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	BD-AR-series	
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Twin Fall Gravity Pivoting / Luffing	BD-PV-series	
REDROCK	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	RDA-series	
REDROCK	Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	RDT-series	
SEC (SHIPS EQUIPMENT CENTRE)	Free fall secondary hydraulic A Frame	HP2-series	
SEC (SHIPS EQUIPMENT CENTRE)	Single arm Slewing	MS-series	
SEKIGAHARA	Free fall secondary hydraulic A Frame	SF-series	
SEKIGAHARA	Single arm Slewing	SSS-series	
SEKIGAHARA	Twin Fall Gravity Pivoting / Luffing	SFA-series, SFB-series, SFP-series, SHS-series	
SEKIGAHARA	Twin Fall Gravity Rollertrack	AT-series, STS-series	
SERVO SHIP S.L	Free fall secondary hydraulic A Frame	FFR-20-series	
SERVO SHIP S.L	Single arm Slewing	PR4M1100HR-series	
SEZAMOR	Single arm Slewing	ZZ-ZOL-series, ZZ-ZOT-series	
SHANGHAI HENGYUAN MARINE EQUIPMENT CORPORATION	Free fall secondary hydraulic A Frame	FH-series	
SHANGHAI HENGYUAN MARINE EQUIPMENT CORPORATION	Single arm Slewing	SAF-series	



SHIN MYUNG TECH	Single arm Slewing	SMRB&LRD-FT-series, SMRBD-SD-series, SMRBD&LRD-series, SMRBD&PV-series	
STOZNIA UTSKA SP. Z.O.O	Free fall secondary hydraulic A Frame	HZ-series	
STOZNIA UTSKA SP. Z.O.O	Gravity freefall primary	PZ-series	
SURVIVAL SYSTEMS INT	Gravity single and twin fall outrigger	PL-series	
TAIZHOU HAIHAO MARINE EQUIPMENT CO.,LTD	Free fall secondary hydraulic A Frame	55KN-series	
TAIZHOU HAIHAO MARINE EQUIPMENT CO.,LTD	Single arm Slewing	21KN BOAT/RAFT DAVIT-series	
TSUJI HEAVY INDUSTRIES	Single arm Slewing	RP-series	
TSUJI HEAVY INDUSTRIES	Twin Fall Gravity Pivoting / Luffing	H-series	
TSUJI HEAVY INDUSTRIES	Twin Fall Gravity Rollertrack	T83-series, TC-series	
TTS (HYDRALIFT)	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	HL-series	
TTS (HYDRALIFT)	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	HL9D-series	
ULSTEIN FAMA (FAMA GNIEW)	Single arm Slewing	ZO-series, ZT-series	
VANGUARDE	Gravity single and twin fall outrigger	PL-series	
VANGUARDE	Single arm Slewing	HS-series, MS-series, VS-series	
VANGUARDE	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	DH-series, PR-series, PRH-series	
VANGUARDE	Twin Fall Gravity Pivoting / Luffing	LE-series, VL-series	
VANGUARDE	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	PFH-series, SRH-series	
VERHOEF	Free fall secondary hydraulic A Frame	FL-series	
VESTDAVIT	Single arm Slewing	L-series	
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	
VESTDAVIT	Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	TBD-series	
VIKING (NORSAFE)	Gravity freefall primary	SW-series	
VIKING (NORSAFE)	Gravity single and twin fall outrigger	A-series, C-series, D-series, NDC-series	
VIKING (NORSAFE)	Single arm Slewing	NDA-series, NRC-R-series	
VIKING (NORSAFE)	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	NDA-series, NRB-series	
VIKING (NORSAFE)	Twin Fall Gravity Pivoting / Luffing	E-series	
VIKING (NORSAFE)	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	LH-series	
VIKING (NORSAFE) (JIANGYIN)	Single arm Slewing	NDSC-series, NDSC-R-series	
VIKING (NORSAFE) (JIANGYIN)	Free fall secondary hydraulic A Frame	HD-series	
WELIN LAMIE	Single arm Slewing	LRW-series, SARBE-series	
WUXI DONGWU	Free fall secondary hydraulic A Frame	F55-F70-series, NPT100F-series	
WUXI DONGWU	Single arm Slewing	21 - 35KN-series, DCW210-series	
WUXI DONGWU	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	A30/H35-series	
WUXI DONGWU	Twin Fall Gravity Pivoting / Luffing	18KN-110KN-series	
WUXI DONGWU	Twin Fall Gravity Rollertrack	25KN -30KN-series	

WUXI HAIHONG BOAT MAKING CO., LTD	Single arm Slewing	23KN-series	
WUXI HUAHAI	Gravity single and twin fall outrigger	PD-series	
WUXI HUAHAI	Single arm Slewing	HMB-series	
WUXI HUAHAI	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	HMDA-series	
WUXI HUAHAI	Twin Fall Gravity Pivoting / Luffing	HMD-series	
WUXI JIANG NAN MARINE EQUIPMENT CO., LTD	Single arm Slewing	ZFQ-series	
WUXI SHENGOU	Free fall secondary hydraulic A Frame	SMDF-series	
WUXI SHENGOU	Single arm Slewing	SMC-series, SMD-series	
WUXI SHENGOU	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	HMDA-series	
WUXI SHENGOU	Twin Fall Gravity Pivoting / Luffing	SHMDL-series	
WUXI SHENGOU	Twin Fall Gravity Rollertrack	SMD-series	
YOUNGNAM MACHINERY CO. LDT	Twin Fall Gravity Pivoting / Luffing	YNBD-series	
ZHEJIANG TAIZHOU WANTONG MARINE MACHINERY CO LTD	Twin Fall Gravity Pivoting / Luffing	YSJ-series	
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	SRH-series	
ZHENJIANG DH MARINE EQUIPMENT CO., LTD	Single arm Slewing	MSD-series	
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Free fall secondary hydraulic A Frame	FH-series	
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Gravity single and twin fall outrigger	PL-series	
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Single arm Slewing	HDCL-series, SAFC-series, SAW30-series, ZF-series	
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Twin Fall Gravity Pivoting / Luffing	L-series	
ZHENJIANG WEST MARINE EQUIPMENT CO., LTD	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	WME-LRH35-series	
Propulsion Make	ISO/PAS 23678 Type	Type/Model	
BUKH	In board	DV 24 RME-series	
HLB (HYUNDAI LIFEBOATS)	In board	HB29D1-series	
MERCURY	Outboard	15P-series	
NARWHAL	Outboard	NARWHAL / SV-420-series	
YAMAHA	In board	25 HP-series	
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	In board	380J-3-series	
Release Gear Make	ISO/PAS 23678 Type	Type/Model	
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Devices For Activating Release: Central Release Unit	BD-LH-series	
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Devices for activating release: Free Fall Hydraulic Primary and Secondary	BHA-series	
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Freefall Hydraulic / mechanical	BHA-series	



BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Rescue boat / Davit Launched Lifteraft / Lift over centre automatic	BHA-series	
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Rescue boat offload lift over center	BHR-series	
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Rescue boat offload w. Onload capability	BHR255-series	
BALDEN	Lifeboat on load lift not over centre, flat to flat rotating cams	BD-LBH-series	
BALDEN	Rescue boat / Davit Launched Lifteraft / Lift over centre automatic	BDHR-series	
BC SERVICE	Devices For Activating Release: Central Release Unit	U HOOK-series	
BC SERVICE	Devices For Activating Release: Hydrostatic Unit with Diaphragm	U HOOK-series	
BC SERVICE	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	U HOOK-series	
BC SERVICE	Rescue boat offload lift over center	U HOOK-series	
CHANG SHENG	Rescue boat / Davit Launched Lifteraft / Lift over centre automatic	35KN-series	
CRANSTON EAGLE	Rescue boat / Davit Launched Lifteraft / Lift over centre automatic	APR-356- CB/CBH-series	
DAE JIN CO. LTD	Freefall Hydraulic / mechanical	THP-1B-series	
DAVIT INTERNATIONAL	Rescue boat offload lift over center	OLH-series	
DAVIT INTERNATIONAL	Rescue boat offload w. Onload capability	RH-series	
FASSMER	Devices For Activating Release: Central Release Unit	DUPLEX < 6.6T-series, DUPLEX > 6T-series	
FASSMER	Devices for activating release: Free Fall Hydraulic Primary and Secondary	FFH-series	
FASSMER	Devices For Activating Release: Hydrostatic Unit with Float	DUPLEX < 6.6T-series, DUPLEX > 6T-series	
FASSMER	Freefall Hydraulic / mechanical	F-series	
FASSMER	Lifeboat on load lift not over centre, Curve to flat rotating cams	DUPLEX>6T-series	
FASSMER	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	DUPLEX<6.6T-series	
FERRI	Rescue boat / Davit Launched Lifteraft / Lift over centre automatic	1448 TN-series	
GEPA	Rescue boat / Davit Launched Lifteraft / Lift over centre automatic	G-K-series	
GLOBAL DAVIT	Lifeboat on load lift not over centre	HRL-series	
GLOBAL DAVIT	Rescue boat / Davit Launched Lifteraft / Lift over centre automatic	HRL.26-series	
GLOBAL DAVIT	Rescue boat offload lift over center	HRN-series	
GLOBAL DAVIT	Rescue boat offload w. Onload capability	HR-series	
GREBEN	Devices For Activating Release: Central	NLH-series	

	Release Unit		
GREBEN	Devices For Activating Release: Electronic Sensor	NLH-series	
GREBEN	Lifeboat on load lift not over centre, up and down pins / collars	NLH-series	
HARDING (UMO SCHAT HARDING)	Devices for activating release: Free Fall Hydraulic Primary and Secondary	FFH-series	
HARDING (UMO SCHAT HARDING)	Fast rescue boat offload / Manual or automatic	CAR-35F-series	
HARDING (UMO SCHAT HARDING)	Freefall Hydraulic / mechanical	FFH-series	
HARDING (UMO SCHAT HARDING)	Rescue boat / Davit Launched Lifteraft / Lift over centre automatic	ARH 23-series	
HARDING (UMO SCHAT HARDING)	Rescue boat offload w. Onload capability	RRH-series	
HARDING (UMO SCHAT HARDING) (PALFINGER)	Rescue boat / Davit Launched Lifteraft / Lift over centre automatic	ARH 23-series	
HARDING (UMO SCHAT HARDING) (PALFINGER)	Devices For Activating Release: Central Release Unit	LHR-series, LHR M2-series	
HARDING (UMO SCHAT HARDING) (PALFINGER)	Devices For Activating Release: Hydrostatic Unit with Diaphragm	LHR-series, LHR M2-series	
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	
HATECKE (ERNST HATECKE)	Devices For Activating Release: Central Release Unit	DUPLEX < 6T-series, DUPLEX > 6T-series	
HATECKE (ERNST HATECKE)	Devices for activating release: Free Fall Hydraulic Primary and Secondary	GFF-series	
HATECKE (ERNST HATECKE)	Devices For Activating Release: Hydrostatic Unit with Float	DUPLEX < 6T-series, DUPLEX > 6T-series	
HATECKE (ERNST HATECKE)	Fast Rescue Boat Offload with On-Load Capability	SIMPLEX 1,85-series	
HATECKE (ERNST HATECKE)	Freefall Hydraulic / mechanical	GFF-series	
HATECKE (ERNST HATECKE)	Lifeboat on load lift not over centre, Curve to flat rotating cams	DUPLEX>6T-series	
HATECKE (ERNST HATECKE)	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	DUPLEX<6.6 T-series	
HATECKE (ERNST HATECKE)	Rescue boat / Davit Launched Lifteraft / Lift over centre automatic	RAFTI 2.5-series	
HATECKE (ERNST HATECKE)	Rescue boat offload lift over center	SIMPLEX OFFLOAD-series	
HATECKE (ERNST HATECKE)	Rescue boat offload w. Onload capability	SIMPLEX-series	
HENRIKSEN	Fast rescue boat offload / Manual or automatic	HCH-series, HMK-series	
HLB (HYUNDAI LIFEBOATS)	Devices For Activating Release: Central Release Unit	TALON MK 1-series, TALON MK 2-series	
HLB (HYUNDAI LIFEBOATS)	Devices For Activating Release: Hydrostatic Unit with Diaphragm	TALON MK 1-series, TALON MK 2-series	
HLB (HYUNDAI LIFEBOATS)	Lifeboat on load lift not over centre, flat to flat rotating cams	TALON MK 1-series	
HLB (HYUNDAI LIFEBOATS)	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	TALON MK 2-series	

HOEI SENPAKU CO.,LTD	Devices For Activating Release: Central Release Unit	HS-series, HS 520 96-series, HS650 96-series	
HOEI SENPAKU CO.,LTD	Devices For Activating Release: Hydrostatic Unit with Diaphragm	HS-series, HS 520 96-series, HS650 96-series	
HOEI SENPAKU CO.,LTD	Lifeboat on load lift not over centre, Curve to flat rotating cams	HS520 96-series, HS650 96-series	
HOEI SENPAKU CO.,LTD	Lifeboat on load lift not over centre, flat to flat rotating cams	HS-series	
HOEI SENPAKU CO.,LTD	Lifeboat on load lift not over centre, up and down pins / collars	HS520 83-series, HS650 83-series	
IHI MARINE UNITED INC	Devices For Activating Release: Central Release Unit	JX-1-series	
IHI MARINE UNITED INC	Devices For Activating Release: Hydrostatic Unit with Diaphragm	JX-1-series	
IHI MARINE UNITED INC	Lifeboat on load lift not over centre, up and down pins / collars	JX-1-series	
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Devices For Activating Release: Central Release Unit	JX-1-series, JX-1B-series, JXN-1B-series, JXN-1C-series	
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Devices for activating release: Free Fall Hydraulic Primary and Secondary	JX-2-series	
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Devices For Activating Release: Hydrostatic Unit with Diaphragm	JX-1-series, JX-1B-series, JXN-1B-series, JXN-1C-series	
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Fast Rescue Boat Offload with On-Load Capability	JXN-3-series	
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Freefall Hydraulic / mechanical	JX-2-series	
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Lifeboat on load lift not over centre, up and down pins / collars	JX-1-series, JX-1B-series, JXNseries, JXN-1B-series, JXN-1Cseries	
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD.	Lifeboat on load lift not over centre, up and down pins / collars	JX-1-series	
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	
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Devices For Activating Release: Hydrostatic Unit with Float	NPT-50-series, NPT-HAN-series, NPT-HKC-series, PN-HKC-series	
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Fast Rescue boat offload	NPT-HK-series	
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Freefall Hydraulic / mechanical	NPT 70HKF-series	
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Lifeboat on load lift not over centre, Curve to flat rotating cams	NPT-HK-series, NPT 50-series	
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	
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Rescue boat / Davit Launched Lifteraft / Lift over centre automatic	NPT-HK25F-series	

JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Rescue boat offload w. Onload capability	NPT-HK25R-series	
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Devices For Activating Release: Central Release Unit	HK-series, JX-1-series	
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Devices For Activating Release: Hydrostatic Unit with Diaphragm	JX-1-series	
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Fast Rescue Boat Offload with On-Load Capability	HK-series	
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Freefall Hydraulic / mechanical	FHK-series	
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Lifeboat on load lift not over centre, Curve to flat rotating cams	HK-series	
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Lifeboat on load lift not over centre, up and down pins / collars	JX-1-series	
JIANGYINSHI BEIHAI	Devices For Activating Release: Central Release Unit	JYB-HK-series	
JIANGYINSHI BEIHAI	Devices For Activating Release: Hydrostatic Unit with Diaphragm	JYB-HK-series	
JIANGYINSHI BEIHAI	Fast Rescue Boat Offload with On-Load Capability	JYB-HK-series	
JIANGYINSHI BEIHAI	Freefall Hydraulic / mechanical	JYB-HKF-series	
JIANGYINSHI BEIHAI	Lifeboat on load lift not over centre, Curve to flat rotating cams	JYB-HK-series	
MADROCK	Devices For Activating Release: Central Release Unit	ROCLOC-series	
MADROCK	Devices For Activating Release: Hydrostatic Unit with Float	ROCLOC-series	
MADROCK	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	ROCLOC-series	
MANSEI	Rescue boat / Davit Launched Lifteraft / Lift over centre automatic	RH -series, RH3-series	
NED-DECK MARINE (PALFINGER)	Rescue boat / Davit Launched Lifteraft / Lift over centre automatic	CAR 35-series	
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Devices For Activating Release: Central Release Unit	HK-series	
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Lifeboat on load lift not over centre, Curve to flat rotating cams	HK-series	
NISHI-F CO., LTD., (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Devices For Activating Release: Central Release Unit	IHM 12-series, IHM 13-series, NS-series	
NISHI-F CO., LTD., (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Devices for activating release: Free Fall Hydraulic Primary and Secondary	F-series, ML-series	
NISHI-F CO., LTD., (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Devices For Activating Release: Hydrostatic Unit with Float	IHM 12-series, IHM 13-series, NS-series	
NISHI-F CO., LTD., (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Freefall Hydraulic / mechanical	F-series, ML-series	
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	
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	
NOREQ (PALFINGER)	Fast Rescue Boat Offload with On-Load Capability	JXN-3-series	
OPTIMUN MARINE	Rescue boat / Davit Launched Lifteraft / Lift over centre automatic	31-37KN-series	

PALFINGER	Devices For Activating Release: Central Release Unit	NADIRO D.I.B.SERIES-series	
PALFINGER	Devices for activating release: Free Fall Hydraulic Primary and Secondary	FFH-series, NPT-series	
PALFINGER	Devices For Activating Release: Hydrostatic Unit with Diaphragm	LHR MK 2-series, LHR MK1-series	
PALFINGER	Fast rescue boat offload / Manual or automatic	CAR-35F-series	
PALFINGER	Freefall Hydraulic / mechanical	FFH-series	
PALFINGER	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	LHR MK 1-series, LHR MK 2-series	
PALFINGER	Rescue boat / Davit Launched Lifteraft / Lift over centre automatic	CAR 35-series	
PALFINGER	Rescue boat offload w. Onload capability	RRH-series	
PESBO S.A	Freefall Hydraulic / mechanical	BSL-series	
PEWAG	Rescue boat offload lift over center	HK-series, HSK-series, HSWIseries	
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Devices For Activating Release: Central Release Unit	BG-series	
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Devices For Activating Release: Hydrostatic Unit with Diaphragm	BG-series	
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Devices For Activating Release: Hydrostatic Unit with Diaphragm	BG-series	
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Freefall Hydraulic / mechanical	BG-F-series	
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Lifeboat on load lift not over centre, flat to flat rotating cams	BG-series	
SERVO SHIP S.L	Rescue boat / Davit Launched Lifteraft / Lift over centre automatic	200-series	
SEZAMOR	Rescue boat / Davit Launched Lifteraft / Lift over centre automatic	HS-series	
SEZAMOR	Rescue boat offload lift over center	HLR-series	
SHIGI SHIPBUILDING CO. LTD.	Devices For Activating Release: Central Release Unit	SRS-series, SZK30-series, SZK5-series	
SHIGI SHIPBUILDING CO. LTD.	Devices For Activating Release: Hydrostatic Unit with Float	SRS-series, SZK30-series, SZK5-series	
SHIGI SHIPBUILDING CO. LTD.	Lifeboat on load lift not over centre, flat to flat rotating cams	SRS-series	
SHIGI SHIPBUILDING CO. LTD.	Lifeboat on load lift not over centre, up and down pins / collars	SZK-25M-series, SZK-30-series, SZK5-series	
SSI	Devices For Activating Release: Central Release Unit	SURESAFE-series, TRIPLE 5-series, TRIPLE 5 LX-series	
SURVITEC	Devices For Activating Release: Central Release Unit	SAFELAUNCH-series	
SURVITEC	Devices For Activating Release: Hydrostatic Unit with Diaphragm	SAFELAUNCH-series	
SURVITEC	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	SAFELAUNCH-series	
SURVITEC	Rescue boat / Davit Launched Lifteraft / Lift over centre automatic	SLA 3.5-series	

SURVIVAL SYSTEMS INT.	Devices For Activating Release: Central Release Unit	SURESAFE-series, TRIPLE 5-series, TRIPLE 5 LX-series	
SURVIVAL SYSTEMS INT.	Lifeboat on load lift over centre	SURESAFE-series, TRIPLE 5-series, TRIPLE 5 LX-series	
T-ISS	Rescue boat / Davit Launched Lifteraft / Lift over centre automatic	31-37 KN-series	
T-ISS BV	Rescue boat / Davit Launched Lifteraft / Lift over centre automatic	PX02-series, PX01-series	
T-ISS BV	Rescue boat offload w. Onload capability	PX03-series	
TSUNEISHI	Devices For Activating Release: Central Release Unit	43GS-1-series	
TSUNEISHI	Devices For Activating Release: Hydrostatic Unit with Diaphragm	43GS-1-series	
TSUNEISHI	Lifeboat on load lift not over centre, up and down pins / collars	43GS-1-series	
VANGUARDE	Devices For Activating Release: Central Release Unit	C-SAFE-series, SH-series	
VANGUARDE	Devices For Activating Release: Hydrostatic Unit with Diaphragm	C-SAFE-series, SH-series	
VANGUARDE	Lifeboat on load lift not over centre, Curve to flat rotating cams	C-SAFE-series, SH-series	
VERHOEF	Devices for activating release: Free Fall Hydraulic Primary and Secondary	TWISTLOCK-series	
VERHOEF	Freefall Hydraulic / mechanical	TWISTLOCK-series	
VIKING (NADIRO)	Lifeboat on load lift over centre	DIB-series	
VIKING (NORSAFE)	Devices For Activating Release: Central Release Unit	NADIRO D.I.B-series, TOR MK 1-series, TOR MK 2-series	
VIKING (NORSAFE)	Devices For Activating Release: Electronic Sensor	NADIRO D.I.B-series	
VIKING (NORSAFE)	Devices for activating release: Free Fall Hydraulic Primary and Secondary	GES-series, HRS-series, NFFHseries	
VIKING (NORSAFE)	Devices For Activating Release: Hydrostatic Unit with Diaphragm	TOR MK 1-series, TOR MK 2-series	
VIKING (NORSAFE)	Fast Rescue boat offload	K4-series	
VIKING (NORSAFE)	Freefall Hydraulic / mechanical	HRS-series, NFFH-series	
VIKING (NORSAFE)	Lifeboat on load lift not over centre, flat to flat rotating cams	TOR MK 1-series, TOR MK 2-series	
WILLIAM MILLS	Devices For Activating Release: Central Release Unit	TITAN-series	
WILLIAM MILLS	Devices For Activating Release: Hydrostatic Unit with Diaphragm	TITAN-series	
WILLIAM MILLS	Lifeboat Offload release lift over centre	EMPRESS-series	
WILLIAM MILLS	Lifeboat on load lift not over centre, flat to flat rotating cams	TITAN-series	
WUXI WENJIAO	Fast Rescue Boat Offload with On-Load Capability	HK-series	
WUXI XINGSHENG	Rescue boat / Davit Launched Lifteraft /Lift over centre automatic	XS-series	
WUXI XINGSHENG	Rescue boat offload w. Onload capability	XS15-series	
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Fast Rescue Boat Offload with On-Load Capability	HK40-series	
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Lifeboat on load lift not over centre, Curve to flat rotating cams	HK-series	

Survival Craft, Rescue Boats (Incl. Fast Rescue Boats) Make	ISO/PAS 23678 Type	Type/Model	
ACEBI	Partially enclosed lifeboat, twin fall	PELB-series	
ACEBI	Totally enclosed lifeboat, twin fall, tanker version	PELB-series, TELB-series	
AMBAR MARINE	Rescue Boat, single fall	AM420-series	
AVON	Rescue Boat, single fall	RB-series, SR-series	
BALDEN	Totally enclosed lifeboat, freefall	BD-FFC-series, BD-FFT-series	
BALDEN	Totally enclosed lifeboat, twin fall, dry version	BD-LB-series	
BALDEN	Totally enclosed lifeboat, twin fall, tanker version	BD-LB-series	
BEIYANG BOATBUILDING CO.LTD	Totally enclosed lifeboat, twin fall, dry version	20 TECB-series	
BIANCHI & CHECCHI	Partially enclosed lifeboat, twin fall	PE-series	
BROOKER	Totally enclosed lifeboat, single fall	CA-series	
CASTOLDI S.R.L.	Fast Rescue Boat, single fall	JET TENDER 18 RB-series	
DAFER (NARWHAL)	Rescue Boat, single fall	FRB-series	
DAFER (NARWHAL)	Rescue Boat, single fall	FRB 700-series, FRB 900-series, SV-series	
DELTA	Rescue Boat, single fall	COMET-series, PHANTOM-series	
DSB DEUTSCHE SCHLAUCHBOOTE	Rescue Boat, single fall	IRB-series	
DSB ENGINEERING CO LTD	Partially enclosed lifeboat, twin fall	DSBP-series	
DSB ENGINEERING CO LTD	Rescue Boat, single fall	DSBRB-series, DSBRFA-series	
DSB ENGINEERING CO LTD	Totally enclosed lifeboat, freefall	DSBFC-series, DSBFF-series	
DSB ENGINEERING CO LTD	Totally enclosed lifeboat, twin fall, dry version	DSBC-series	
DSB ENGINEERING CO LTD	Totally enclosed lifeboat, twin fall, tanker version	DSBF-series	
FASSMER	Fast Rescue Boat, single fall	FRR-series	
FASSMER	Partially enclosed lifeboat, twin fall	CL-P-series, PLL-series, PLT-series, SEL-series	
FASSMER	Rescue Boat, single fall	FRIR-series, RR-series	
FASSMER	Totally enclosed lifeboat, freefall	CFL-series, GAR-series, GAR-T-series	
FASSMER	Totally enclosed lifeboat, twin fall, dry version	CL-series, CLR-series, CLX-series, GMR-series	
FASSMER	Totally enclosed lifeboat, twin fall, tanker version	CL-series, CLR-series, CLX-series, DRAGON-series, T-GMR-series	
FASSMER MARLAND	Rescue Boat, single fall	RR-series	
FASSMER MARLAND	Totally enclosed lifeboat, freefall	CFL-C-series, CFL-T-series	
FASSMER MARLAND	Totally enclosed lifeboat, twin fall, dry version	DRAGON C-series, HH-C-series	
FASSMER MARLAND	Totally enclosed lifeboat, twin fall, tanker version	DRAGON F-series, HH-T-series	
GEPA	Fast Rescue Boat, single fall	G-FRB-series	
GEPA	Partially enclosed lifeboat, twin fall	G-FYK-series	
GEPA	Rescue Boat, single fall	G-RB-series	
GEPA	Totally enclosed lifeboat, freefall	G-FFF-series	
GEPA	Totally enclosed lifeboat, twin fall, dry version	G-FK-series	
GEPA	Totally enclosed lifeboat, twin fall, tanker version	GFK-FP-series	
GREBEN	Partially enclosed lifeboat, twin fall	PEL-series	

GREBEN	Rescue Boat, single fall	RB-series	
GREBEN	Totally enclosed lifeboat, freefall	FFL-series	
GREBEN	Totally enclosed lifeboat, twin fall, dry version	TEL-series	
GREBEN	Totally enclosed lifeboat, twin fall, tanker version	TEL-FP-series	
HARDING (UMO SCHAT HARDING)	Partially enclosed lifeboat, twin fall	CTL-series, ML-series, MPC-series	
HARDING (UMO SCHAT HARDING)	Rescue Boat, single fall	MOB 4.5A-series	
HARDING (UMO SCHAT HARDING)	Totally enclosed lifeboat, freefall	FF-series	
HARDING (UMO SCHAT HARDING)	Totally enclosed lifeboat, twin fall, dry version	MCF-series	
HARDING (UMO SCHAT HARDING)	Totally enclosed lifeboat, twin fall, tanker version	MCB-series, MCM-series	
HARDING (UMO SCHAT HARDING) (PALFINGER)	Totally enclosed lifeboat, twin fall, dry version	LBT-C-series	
HARDING (UMO SCHAT HARDING) (PALFINGER)	Totally enclosed lifeboat, twin fall, dry version	LBT-T-series	
HARDING (WATERCRAFT)	Partially enclosed lifeboat, twin fall	MOB-series, MOBAC-series, PELB-series, PERB-series	
HARDING (WATERCRAFT)	Totally enclosed lifeboat, freefall	WFF-series	
HARDING (WATERCRAFT)	Totally enclosed lifeboat, twin fall, tanker version	MK 1-series, MK 2-series, MK 3-series, MK 4-series, MK 5-series	
HARDING BOAT BUILDING (QINGDAO) CO., LTD.	Totally enclosed lifeboat, twin fall, dry version	TECB-series	
HATECKE (ERNST HATECKE)	Partially enclosed lifeboat, twin fall	PEL-series, PL-series	
HATECKE (ERNST HATECKE)	Rescue Boat, single fall	FRB-series, RB-series	
HATECKE (ERNST HATECKE)	Totally enclosed lifeboat, freefall	GFF-series	
HATECKE (ERNST HATECKE)	Totally enclosed lifeboat, twin fall, tanker version	GSL-series	
HLB (HYUNDAI LIFEBOATS)	Fast Rescue Boat, single fall	HDFR-series	
HLB (HYUNDAI LIFEBOATS)	Rescue Boat, single fall	HDR-series	
HLB (HYUNDAI LIFEBOATS)	Totally enclosed lifeboat, freefall	HDFN-F-series, HDFN-T-series	
HLB (HYUNDAI LIFEBOATS)	Totally enclosed lifeboat, twin fall, dry version	HDL-series, HLB-series, HT78-series	
HLB (HYUNDAI LIFEBOATS)	Totally enclosed lifeboat, twin fall, tanker version	HDL-series, HLB-series	
HOEI SENPAKU CO.,LTD	Totally enclosed lifeboat, twin fall, dry version	HS-series	
HOEI SENPAKU CO.,LTD	Totally enclosed lifeboat, twin fall, tanker version	HS650F-series, HSF-series	
HYUNDAI LIFEBOATS CO. LTD	Totally enclosed lifeboat, freefall	HDFL740F-series	
IHI MARINE UNITED INC	Open lifeboat, twin fall	G-series	
IHI MARINE UNITED INC	Totally enclosed lifeboat, twin fall, dry version	GTC-series, GTC-C-series	
IHI MARINE UNITED INC	Totally enclosed lifeboat, twin fall, tanker version	GT-F-series, GTC-F-series, GTRF-series	
JAPAN MARINE UNITED CORP	Totally enclosed lifeboat, twin fall, dry version	GF-series	
JAPAN MARINE UNITED CORP	Totally enclosed lifeboat, twin fall, tanker version	GTR-series	
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Rescue Boat, single fall	GJ-series, GJF-series, GZ-series	

JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Totally enclosed lifeboat, freefall	JY-FF-series, JY-FN-series, JYM-FF-series	
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Totally enclosed lifeboat, twin fall, dry version	JY-QFN-series, JY-QFP-series	
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Totally enclosed lifeboat, twin fall, tanker version	JY-QFN-series, JY-QFP-series	
JIANGYIN NEPTUNE	Totally enclosed lifeboat, twin fall, dry version	NPT-C-series, SC-series	
JIANGYIN NEPTUNE	Totally enclosed lifeboat, twin fall, tanker version	NPT-F-series	
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Partially enclosed lifeboat, twin fall	NPT-P-series, NPT-PT-series	
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Rescue Boat, single fall	NPT-R-series, NPT-RA-series, NPT-RB-series, NPT-RFA-series	
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Totally enclosed lifeboat, freefall	NPT-FA-series, NPT-FC-series, NPT-FCA-series, NPT-FF-series	
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Open lifeboat, twin fall	JYK-series	
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Partially enclosed lifeboat, twin fall	JYP-series	
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Rescue Boat, single fall	JYDR-series, JYKR-series	
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Totally enclosed lifeboat, freefall	JYCF-series, JYFF-series	
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Totally enclosed lifeboat, twin fall, dry version	JYC-series, JYCA-series	
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Totally enclosed lifeboat, twin fall, tanker version	JYF-series, JYFA-series	
JIANGYIN XINGJANG	Rescue Boat, single fall	GJ-series, GJ- B-series	
JIANGYIN XINGJANG	Totally enclosed lifeboat, freefall	JY-FN-series	
JIANGYINSHI BEIHAI	Fast Rescue Boat, single fall	JYB-G-series, JYB-Q-series	
JIANGYINSHI BEIHAI	Open lifeboat, twin fall	JYB-K-series	
JIANGYINSHI BEIHAI	Partially enclosed lifeboat, twin fall	JYB-B-series	
JIANGYINSHI BEIHAI	Rescue Boat, single fall	JY-BR-series, JYB-KR-series, SC-K-series, SC-KR-series	
JIANGYINSHI BEIHAI	Totally enclosed lifeboat, freefall	JYB-FC-series, JYB-FF-series	
JIANGYINSHI BEIHAI	Totally enclosed lifeboat, twin fall, dry version	JYB-C-series	
JIANGYINSHI BEIHAI	Totally enclosed lifeboat, twin fall, tanker version	JYB-F-series	
KANG NAM. CORPORATION	Totally enclosed lifeboat, twin fall, dry version	GTB-series	
MARE SAFETY	Rescue Boat, single fall	RB-series	
MARITME PARTNERS	Fast Rescue Boat, single fall	ALUSAFE 1200 DC-series, ALUSAFE 700-series, ALUSAFE 770-series, ALUSAFE 900-series, SEA BEAR 23-series, SPRINGER 660-series, WEEDO 17 SOLAS-series, WEEDO 600-series, WEEDO 700-series	
MARITME PARTNERS (HUKKELBERG BOATS)	Fast Rescue Boat, single fall	SPRINGER-series	



MULDER EN RIJKE	Totally enclosed lifeboat, single fall	TELB-S-series	
MULDER EN RIJKE	Partially enclosed lifeboat, twin fall	PELB-series, PTL-series	
MULDER EN RIJKE	Totally enclosed lifeboat, twin fall, tanker version	TELB-series	
NARWAL	Rescue Boat, single fall	SV-series	
NARWAL (DAFER)	Fast Rescue Boat, single fall	FRB-series, SV-series	
NED-DECK MARINE (PALFINGER)	Rescue Boat, single fall	NMD 4.40 RESCUE-series	
NED-DECK MARINE (PALFINGER)	Totally enclosed lifeboat, twin fall, tanker version	NPT-series, PN85F-series	
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Fast Rescue Boat, single fall	YZRA-series, YZRB-series	
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Open lifeboat, twin fall	BJ-series	
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Rescue Boat, single fall	BJ-series, YZ-series	
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Totally enclosed lifeboat, freefall	YZFC-series, YZFF-series	
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Totally enclosed lifeboat, twin fall, dry version	YZC-series	
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Totally enclosed lifeboat, twin fall, tanker version	YZF-series	
NINGBO NEW MARINE LIFESAVING EQUIPMENT CO. LTD	Totally enclosed lifeboat, twin fall, dry version	NM-series	
NISHI-F CO., LTD,. (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Fast Rescue Boat, single fall	FRP-series	
NISHI-F CO., LTD,. (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Open lifeboat, twin fall	NF-series, NFA-series	
NISHI-F CO., LTD,. (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Partially enclosed lifeboat, twin fall	PML-series	
NISHI-F CO., LTD,. (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Totally enclosed lifeboat, freefall	FF-series	
NISHI-F CO., LTD,. (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Totally enclosed lifeboat, twin fall, dry version	CML-series, EML-series, G-TR-series	
NISHI-F CO., LTD,. (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Totally enclosed lifeboat, twin fall, tanker version	CML-series, EML-series, G-FR-series	
NOREQ	Partially enclosed lifeboat, twin fall	LBP-series	
NOREQ (PALFINGER)	Fast Rescue Boat, single fall	FRB-series	
NOREQ (PALFINGER)	Rescue Boat, single fall	RRB-series	
NOREQ (PALFINGER)	Totally enclosed lifeboat, freefall	LBF-series	
NOREQ (PALFINGER)	Totally enclosed lifeboat, twin fall, tanker version	LBT-series	
NORMAR	Fast Rescue Boat, single fall	FRC-series	
NORMAR	Rescue Boat, single fall	RESCUE-series	
NORMAR	Totally enclosed lifeboat, freefall	JY-FF 4.9 TO 8.5C-series, JY-FF 4.9 TO 8.5T-series	
OY FISKARS AB	Totally enclosed lifeboat, twin fall, dry version	TELB-series	
OY FISKARS AB	Totally enclosed lifeboat, twin fall, tanker version	TELB-series	
PALFINGER	Fast Rescue Boat, single fall	FRSQ-series	
PALFINGER	Partially enclosed lifeboat, twin fall	CTL-series, MPC-series, NPT-T-series	
PALFINGER	Rescue Boat, single fall	RSQ-series	

PALFINGER	Totally enclosed lifeboat, freefall	FF-series, NPT-FC-series, NPTFF-series	
PALFINGER	Totally enclosed lifeboat, twin fall, dry version	KISS-C-series, NPT-F-series	
PALFINGER	Totally enclosed lifeboat, twin fall, tanker version	KISS-T-series, NPT-C-series	
PESBO S.A	Totally enclosed lifeboat, freefall	BSL -series	
PESBO S.A	Totally enclosed lifeboat, twin fall, dry version	BSC-series	
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Fast Rescue Boat, single fall	BH-HR7-series, FRB-series	
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Partially enclosed lifeboat, twin fall	BH10-series	
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Rescue Boat, single fall	BH-R-series	
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Totally enclosed lifeboat, freefall	BH-F-series	
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Totally enclosed lifeboat, twin fall, dry version	BH-series	
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Totally enclosed lifeboat, twin fall, tanker version	BH-series	
SHIGI SHIPBUILDING CO. LTD.	Fast Rescue Boat, single fall	FRP-series	
SHIGI SHIPBUILDING CO. LTD.	Open lifeboat, twin fall	SZGM-series, SZGO-series	
SHIGI SHIPBUILDING CO. LTD.	Partially enclosed lifeboat, twin fall	SZP-series, SZPR-series	
SHIGI SHIPBUILDING CO. LTD.	Rescue Boat, single fall	SZRS-series, VOX46-series	
SHIGI SHIPBUILDING CO. LTD.	Totally enclosed lifeboat, freefall	FEL-series	
SHIGI SHIPBUILDING CO. LTD.	Totally enclosed lifeboat, twin fall, dry version	SZBR-series	
SHIGI SHIPBUILDING CO. LTD.	Totally enclosed lifeboat, twin fall, tanker version	SZTR-series	
STOZNIA UTSKA SP. Z.O.O	Fast Rescue Boat, single fall	FRB-series	
STOZNIA UTSKA SP. Z.O.O	Rescue Boat, single fall	R-series, RIB-series	
STOZNIA UTSKA SP. Z.O.O	Totally enclosed lifeboat, freefall	FFB-series	
STOZNIA UTSKA SP. Z.O.O	Totally enclosed lifeboat, twin fall, dry version	Z-series	
SURVITEC	Totally enclosed lifeboat, freefall	FF-series	
SURVITEC	Totally enclosed lifeboat, twin fall, dry version	SC-series	
SURVITEC	Totally enclosed lifeboat, twin fall, tanker version	SC-series	
SURVIVAL SYSTEMS INT	Fast Rescue Boat, single fall	FRB-series	
SURVIVAL SYSTEMS INT	Totally enclosed lifeboat, single fall	CA-series	
TSUNEISHI	Totally enclosed lifeboat, twin fall, dry version	TL-TE-series	
TSUNEISHI (KAMBARA RINGYO)	Totally enclosed lifeboat, twin fall, dry version	KL-TE-series	
TSUNEISHI (KAMBARA RINGYO)	Totally enclosed lifeboat, twin fall, tanker version	KL-FP-series	
TSUNEISHI (SANYO WORKS)	Totally enclosed lifeboat, twin fall, dry version	TE-series	

TSUNEISHI (SANYO WORKS)	Totally enclosed lifeboat, twin fall, tanker version	FP-series	
VANGUARDE	Fast Rescue Boat, single fall	VG-FRK-series, VG-FRW-series	
VANGUARDE	Rescue Boat, single fall	VG-DRS-series, VG-KR-series	
VANGUARDE	Totally enclosed lifeboat, twin fall, dry version	VG-C-series	
VANGUARDE	Totally enclosed lifeboat, twin fall, tanker version	VG-F-series, VG-HLB-series	
VIKING (NORSAFE)	Fast Rescue Boat, single fall	MAGNUM-series, MAKO-series, MERLIN-series	
VIKING (NORSAFE)	Partially enclosed lifeboat, twin fall	MINIMA-series	
VIKING (NORSAFE)	Rescue Boat, single fall	MAKO-series, MERLIN-series, MIDGET-series	
VIKING (NORSAFE)	Totally enclosed lifeboat, freefall	JYN-series	
VIKING (NORSAFE)	Totally enclosed lifeboat, twin fall, dry version	JYN-C-series, MAGGIE-C-series, MATILDA-C-series, MAUD-C-series, MAXIMA-C-series, MIRAM-C-series	
VIKING (NORSAFE)	Totally enclosed lifeboat, twin fall, tanker version	JYN-T-series, MAGGIE-T-series, MATILDA-T-series, MAUD-T-series, MAXIMA-T-series, MIRAMT-series	
VIKING (NORSAFE) (JIANGYIN)	Rescue Boat, single fall	MATRIX-series	
VIKING (NORSAFE) (JIANGYIN)	Totally enclosed lifeboat, freefall	GES-series	
VIKING NEUVISA	Fast Rescue Boat, single fall	RR-40-series	
WATERCRAFT (WATERCRAFT HELLAS)	Rescue Boat, single fall	4.9M-RB -series	
WATERMAN OY	Partially enclosed lifeboat, twin fall	365-series, 367-series, 393-series	
WATERMAN OY	Totally enclosed lifeboat, twin fall, tanker version	351-series, 366-series, 366HRLseries, 368-series, 371-series, 371HR-series, 377-series, 379-series	
WHITTAKER	Totally enclosed lifeboat, single fall	CA-series	
WUXI HAIHONG BOAT MAKING CO., LTD	Open lifeboat, twin fall	BH-series, BJ-series	
WUXI HAIHONG BOAT MAKING CO., LTD	Rescue Boat, single fall	JG-series	
WUXI HAIHONG BOAT MAKING CO., LTD	Totally enclosed lifeboat, freefall	HH-FC-series, HH-FF-series	
WUXI HAIHONG BOAT MAKING CO., LTD	Totally enclosed lifeboat, twin fall, dry version	HH-C-series, HH-CS-series	
WUXI HAIHONG BOAT MAKING CO., LTD	Totally enclosed lifeboat, twin fall, tanker version	HH-T-series, HH-TS-series	
WUXI WENJIAO	Fast Rescue Boat, single fall	WJ-RA-series, WJ-RB-series	
WUXI WENJIAO	Open lifeboat, twin fall	BH-series, BJ-series, WJ-series	
WUXI WENJIAO	Rescue Boat, single fall	WJ-series	
WUXI WENJIAO	Totally enclosed lifeboat, freefall	WJFF-series, WJFFC-series	
WUXI WENJIAO	Totally enclosed lifeboat, twin fall, dry version	WJBC-series	
WUXI WENJIAO	Totally enclosed lifeboat, twin fall, tanker version	WJBF-series	
ZHEJIANG HENGXIN SHIP EQUIPEMENTS CO.,LTD	Rescue Boat, single fall	GJ-series	
ZHEJIANG HENGXIN SHIP EQUIPEMENTS CO.,LTD	Totally enclosed lifeboat, freefall	BCFC-series, BCFF-series, FL-Cseries, FL-F-series	



ZHEJIANG HENGXIN SHIP EQUIPEMENTS CO.,LTD	Totally enclosed lifeboat, twin fall, dry version	BCF-series	
ZHEJIANG HENGXIN SHIP EQUIPEMENTS CO.,LTD	Totally enclosed lifeboat, twin fall, tanker version	BCC-series	
ZHENJIANG JUST MARINE EQUIPMENT CO., LTD	Rescue Boat, single fall	ZJM-4.0-series	
ZHENJIANG JUST MARINE EQUIPMENT CO., LTD	Totally enclosed lifeboat, freefall	ZJM-FF-series	
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Fast Rescue Boat, single fall	YH-FRB-series	
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Rescue Boat, single fall	YH-FRA-series, YH-R-series	
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Totally enclosed lifeboat, freefall	YH-series	
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Totally enclosed lifeboat, twin fall, dry version	YH-QFP-series	
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Totally enclosed lifeboat, twin fall, tanker version	YH-DR-series	
ZODIAC (SURVITEC)	Fast Rescue Boat, single fall	RIB-series	
ZODIAC (SURVITEC)	Rescue Boat, single fall	H472S-series, RIBO-series	
ZODIAC (SURVITEC)	Rescue Boat, single fall	H561 PROLUXE-series	
Winches Make	ISO/PAS 23678 Type	Type/Model	
ACEBI	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	TBE-series	
ACEBI	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	TR-series	
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	
ACOIN	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	BE-2-series	
ACTA	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	KNT-series	
ALEXANDER WELIN	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk,	AIW-series	

	eccentric cam / decent brake centrifugal pads		
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	
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Single Drum, hydraulic-lowering/hydraulic hoisting	HDF-series, PWD-series	
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	
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	
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	BLW-series	
BOPP TREUILS JEB	Single Drum, hydraulic-lowering/hydraulic hoisting	BHP 4200-series	
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	
DAVIT COMPANY	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	24EPB-series	
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	
DAVIT INTERNATIONAL	Single Drum, hydraulic-lowering/hydraulic hoisting	06KN-series	
DAVIT INTERNATIONAL	Twin Drum, gravity lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	12-series, 40-series	
DONG NAM ENTERPRISE.,CO LTD	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	HLW-series	
DONGNAM MARINE CRANE CO LTD	Single Drum Gravity lowering electric hoisting lifeboat / rescue	DSAD-series	

	boat / static brake pad, cone, disk, band / decent brake centrifugal pads		
DONGNAM MARINE CRANE CO.,LTD.	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	DRBD-series, DRBLRW-series	
DONGWOO MACHINERY & ENGINEERING CO., LTD.	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	DBD-series	
DONGWOO MACHINERY & ENGINEERING CO., LTD.	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	LW-series	
EO LIFESAVING	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	W-series	
FASSMER	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	DEW-series	
FASSMER	Single Drum, hydraulic-lowering/hydraulic hoisting	FFWH-series	
FASSMER	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake hydraulic pump	FDW-series	
FASSMER	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes, multiple disks, hydraulically operated / decent brake hydraulic pump	FDW-series	
FASSMER - MARLAND LTD	Single Drum, hydraulic-lowering/hydraulic hoisting	FFWH-series	
FERRI	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	1702 TN-series	
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	
GLOBAL DAVIT	Single Drum, hydraulic-lowering/hydraulic hoisting	W05HC-series, W08HC-series, WS-series	
GLOBAL DAVIT	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w	10KN-series, 14KN-series, 20KNseries, 26KN-series	

	pads		
GREBEN	Single Drum, hydraulic lowering/hydraulic hoisting	HW-series	
GREBEN	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	CW-series, EW-series	
GURDESAN	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	GD-FLW-series	
GURDESAN	Single Drum, hydraulic-lowering/hydraulic hoisting	GD-HC-A-series	
HAEAN MACHINERY IND. CO. LTD.	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	HMI-series	
HAEAN MACHINERY IND. CO. LTD.	Single Drum, hydraulic-lowering/hydraulic hoisting	HHD-PC-series	
HARDING (UMO SCHAT HARDING)	Single Drum, hydraulic-lowering/hydraulic hoisting	HD-series, MW-series	
HARDING (UMO SCHAT HARDING)	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	CW-series	
HARDING (UMO SCHAT HARDING)	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	16 EBR-series	
HARDING (UMO SCHAT HARDING)	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	HD-series, MW-series	
HARDING (UMO SCHAT HARDING)	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes, multiple disks, hydraulically operated / decent brake hydraulic pump	CW-series, W-series	
HARDING (UMO SCHAT HARDING) (SCHAT DAVIT COMPANY) (PALFINGER)	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	16 EBR-series	
HARDING (UMO 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, FM 194-series, FME-series	
HARDING (UMO SCHAT HARDING) (SCHAT DAVIT COMPANY) (PALFINGER)	Single Drum, hydraulic-lowering/hydraulic hoisting	EW-02-PL-series	

HARDING (UMO 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	
HARDING (UMO SCHAT HARDING) (PALFINGER)	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes, multiple disks, hydraulically operated / decent brake hydraulic pump	W-series	
HARDING (WATERCRAFT)	Twin Drum, gravity lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w Pads	MW-series, NW-series	
HATECKE (ERNST HATECKE)	Single Drum, hydraulic-lowering/hydraulic hoisting	07.02.08-series	
HYDRALIFT	Single Drum, hydraulic-lowering/hydraulic hoisting	SP-series	
IHI MARINE UNITED INC	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	MUW-series	
IKNOW MACHINERY	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk /pads / band / decent brake centrifugal w Pads	EB-series	
IMT CO., LTD	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	ILR-W-series	
JAPAN MARINE UNITED CORP.	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	MU-series	
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam /decent brake centrifugal pads	JYRZ-series	
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Single Drum, hydraulic-lowering/hydraulic hoisting	FW-series	
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	JYW-series, JYWP-series	
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	NPT-DW-series	

JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Single Drum, hydraulic-lowering/hydraulic hoisting	NPT-DF-series	
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	NPT-DS-series, NPT-DW-series	
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	JYD-series	
JIANGYINSHI BEIHAI	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	DZ-series, YZ-series	
JIANGYINSHI BEIHAI	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	DS-series, DW-series, DZ-series, JYBW-series	
JUNG-A-MARINE CO., LTD	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	PCRLC-series	
MACGREGOR (TTS) (HYDRAMARINE)	Single Drum, hydraulic-lowering/hydraulic hoisting	HMW-series	
MANSEI	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	ERW-series, MLW-series, RMW-series, SW-series	
MANSEI	Single Drum, hydraulic-lowering/hydraulic hoisting	06KN-series, FW-series	
MANSEI	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w Pads	AW-series, CMW-series, EW-series, MW-series	
MANSEI	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	ABW-series, FBW-series	
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	
NANJING DONGSHENG MARINE EQUIPMENT CO., LTD	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	DB14-series	

NED-DECK MARINE (PALFINGER)	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	04-series	
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	
NED-DECK MARINE (PALFINGER)	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w Pads	15-series	
NOR DAVIT	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w Pads	SP-series	
NOREQ (PALFINGER)	Single Drum, hydraulic-lowering/hydraulic hoisting	NW-series	
ORIENTAL PRECISION	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	RDW-series	
ORIENTAL PRECISION	Single Drum, hydraulic-lowering/hydraulic hoisting	WL-series	
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	
PALFINGER	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes, multiple disks, hydraulically operated / decent brake hydraulic pump	CW-series, W-series	
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	
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	
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	
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	
SEC	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk,	WL-series	

	band / decent brake centrifugal pads		
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	
SERVO SHIP S.L	Single Drum, hydraulic-lowering/hydraulic hoisting	FFRW 4500KG-series	
SURVIVAL SYSTEMS INT.	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	W-series	
TAIZHOU HAIHAO MARINE EQUIPMENT CO.,LTD	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	21KN-series	
TMA	Single Drum, hydraulic-lowering/hydraulic hoisting	TN/MW-series	
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	
TSUJI HEAVY INDUSTRIES	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w Pads	EB-series	
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	
VERHOEF	Single Drum, hydraulic-lowering/hydraulic hoisting	FL 50-series	
VIKING (NORSAFE)	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	W-series	
VIKING (NORSAFE) (JIANGYIN)	Single Drum, hydraulic-lowering/hydraulic hoisting	HYD-FF-series	
VIKING (NORSAFE) (JIANGYIN)	Single Drum, hydraulic-lowering/hydraulic hoisting	HYD-FF-series	
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	
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	
WUXI DONGWU	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with	DS/Z-series, DZ-series	

	mechanically operated multiple disks friction pads / decent brake centrifugal w pads		
WUXI HUAHAI	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	HMW-series	
YOUNGNAM MACHINERY CO. LTD	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w Pads	YNBW-series	
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	
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	SAF-series	
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Single Drum, hydraulic-lowering/hydraulic hoisting	SAW30-series	
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	
ZHENJIANG WEST MARINE EQUIPMENT CO., LTD	Single Drum, hydraulic-lowering/hydraulic hoisting	WME-LRH35-series	
ZOLLERN	Single Drum, hydraulic-lowering/hydraulic hoisting	A2FM45-61A-series, ZHP-series, ZR-series	