

CERTIFICATE OF APPROVAL OF SERVICE SUPPLIER

CERTIFICATE NO. SSU011623WE

This is to certify that

TECHNO FIBRE MIDDLE EAST MARINE SERVICES FZE

W106, Dubai Maritime City, P.O. Box 122090
122090 Dubai UNITED ARAB EMIRATES

*Has been approved in compliance with the
RINA "RULES FOR THE CERTIFICATION OF SERVICE SUPPLIERS"
for the supply of the following services to ships and other units classed by RINA:*

- E - Servicing inflatable liferafts, inflatable lifejackets, hydrostatic release units, inflatable rescue boats, marine evacuation systems**
- N - Maintenance, thorough examination, operational testing, overhaul and repair of lifeboats and rescue boats, launching appliances and release gear**
- D - Inspection and maintenance of fire extinguishing equipment and systems**
- H - Inspection and maintenance of self-contained breathing apparatus**

Date of the audit: **07 Feb 2023**

Issued in **DUBAI**

on **03 Apr 2023**

This Certificate is valid from the date of the audit until

06 Feb 2026

This certificate consists of this sheet plus an attachment.



This is an electronically signed document and does not require a handwritten signature.

Roman PETROVSKIY

RINA Services S.p.A.



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ATTACHMENT TO CERTIFICATE NO. SSU011623WE

VALIDITY CONDITIONS

For Category E the approval is granted for the following equipment and manufacturers:
-see attached annex.

This service supplier is certified according to the 'RINA Rules for the Certification of Service Suppliers' to carry out maintenance, thorough examination, operational testing, overhaul and repair of lifeboats and rescue boats, launching appliances and release gear in accordance with SOLAS Regulation III/20 for the list of makes and models/series of equipment in the attached Annex N.

Note 1: For the purpose of application of IMO Resolution MSC.402(96), including Corr.1, the service supplier is to be authorized by the Flag Administration under which the ship is registered.

For Flag Administrations which have authorized RINA as their Recognized Organization and accept RINA 'Certificate of Approval of Service Supplier' as equivalent to their authorization document to the Service Provider, according to the IMO Resolution MSC.402(96), including Corr.1, this Certificate may be accepted also for statutory purpose, in lieu of the Flag's authorization document to the Service Provider, allowing the firm to provide their services on the makes and models/series of equipment listed in the Annex N to this Certificate.

General conditions for the approval

- a) *The initial conditions verified by RINA at the time of the approval are to be maintained*
- b) *Any changes to the initial conditions are to be promptly communicated to RINA, which reserves the right to repeat the relevant assessments*
- c) *RINA personnel are to be allowed to witness during the performance of activities, upon their request*
- d) *The activities are to be carried out in compliance with the RINA Rules and or other applicable rules*
- e) *RINA may revoke the approval at any moment in the case of modifications to requirements or conditions for the approval*



This is an electronically signed document and does not require a handwritten signature.

Roman PETROVSKIY

RINA Services S.p.A.



Annex N

List of makes and types of equipment

Attached to Certificate No. SSU011623WE

The Service Supplier is approved by RINA for performing services such as maintenance, thorough examination, operational testing, overhaul and repair of lifeboats and rescue boats, launching appliances and release gear, in accordance with SOLAS Reg. III/20, for the following equipment:

MAKE	TYPE acc. to ISO/PAS 23678	MODEL/SERIES
Iknow Machinery Co., Ltd. (Ex. Tsuji Heavy Industries Co., Ltd)	DAVIT WINCH	Davit: (H, T, TC) Series Winch: (EB, TC, OAP) Series
Nishi-F Co., Ltd. (Ex. Nishi-Nippon F.R.P. Shipbuilding Co., Ltd, Ishihara Dockyard Co., Ltd)	LIFEBOAT FREE FALL LIFEBOAT RESCUE BOAT FAST RESCUE BOAT RELEASING GEAR MECHANISM	G-Series, ML-Series and F-Series
Sekigahara Seisakusho Co., Ltd.	DAVIT WINCH	Gravity type davit: SH, SFB, SHS, STS, SSS Free-Fall lifeboat davit: SFS, SFA, SFB, SFC, SFD Rescue boat davit: SJS, SJR
Shigi Shipbuilding Co., Ltd.	LIFEBOAT FREE FALL LIFEBOAT RESCUE BOAT FAST RESCUE BOAT RELEASING GEAR MECHANISM	SZ Series, FEL Series, VOX Series, GARS Series, Open Type and Release Gear
Jiangyinshi Beihai LSA Co.,Ltd.	LIFEBOAT FREE FALL LIFEBOAT RESCUE BOAT FAST RESCUE BOAT RELEASING GEAR MECHANISMLA-DAVIT & WINCH	Boat: Series of SC, JYBHook: Series of JYBHK Davit: Series of SAC, SA, LB, LA, BHGH, PD, FRH, EHRD, SRH, BHGP, RB, HB, HDC, ESAD



Annex N

List of makes and types of equipment

Qingdao Beihai Boatbuilding Co., Ltd.	LIFEBOAT FREE FALL LIFEBOAT RESCUE BOAT FAST RESCUE BOAT RELEASING GEAR MECHANISMLA-DAVIT & WINCH	Totally Enclosed: BH-5,5A,5S,5SA, E500, E585,6,6A,6S, E670,7A,7B,8 Freefall lifeboat: BH-F6.0, F7.0A, F7.8, F8.1, F5.8, F6.8, F660, F670, F750, F900A Rescue boat: BH-R4, R4S, R4SA, R5S Gravity Pivot Davit: BD-PV50, PV60, PV60S, PV85, PV125 Freefall launching davit: BD-FF55,55A,55R, FF80,80A,80R,80B, FF66, FF67, FF85 Single arm davit: BD-SA14,14A,14B, SA21,21A, SA23, SA30,30A, SA33, SH23 Winch: BW-H(L/R)31,50,63,75; L(L/R)75, 125; SC14;21 Gravity lifeboat release mechanism: BG-3,3L, BG-7; BH-HOOK3, HOOK5, FS5, FS7 Freefall lifeboat release mechanism: BG-3.5F, 4F, 4.5F,4.5FL,5F,6F Rescue boat release mechanism: BG-2R, 15KNXS, 25KNXS, 35KNXS
Vanguard Pte Ltd	LIFEBOAT FREE FALL LIFEBOAT RESCUE BOAT FAST RESCUE BOAT RELEASING GEAR MECHANISMLA-DAVIT & WINCH	Lifeboats: VG4.9, VG5.9, VG5.7, VG7.5, VG8.5, VG9.6, VG10.5, VG11.95, VG12.05 Rescue/Fast Rescue Craft: VG4.0, VG4.5, VG6. Hooks: QRH35, CSAFE3.5, CSAFE5, CSAFE5 MKII, CSAFE8.5, CSAFE8.5, MKII, CSAFE10, CSAFE10 MKII, CSAFE14 Lifeboat & Rescue boat: VG/VG-FF/FC/KR/DB/DRS/DR4/HLB/HLBLR/FRK/FRW Hook (LRRS): C-SAFE/SPEARHEAD/HK/SHF Davit: LVD/PL/A/PLR/SRH/LR/VA/VAE/VL/VL-G/VS Winch: DW/D / DW/S / SLR / DWP / HW / PRH / VWL / VW/S / VW/Z
CSSC Luzhou ZhenjiangMarine Auxiliary Machinery Co., Ltd.	LA-DAVIT & WINCH LIFEBOAT FREE FALL LIFEBOAT RESCUE BOAT FAST RESCUE BOAT RELEASING GEAR MECHANISM	Gravity davit: LE55-1/LE65-1/LE85-1/LE100-1/LE138-1/LE170-1/HE65/HE85/HE100/HE138/HE170/RE50/RE60/RE80/RE100/SRH65/SRH85/SRH100/SRH120/SRH150/SRH170/SRH200/SRH230/GL65/GL85/GL110/GL138/GL165/TG65/TG85/TG110/TG150/TG170/TG200/TG230/HT80/HT100/HT150/HT210/LC400 Launching appliance davit: FH55/FH70/FH75/FH85/FH100 Single arm davit and crane: SAF14/SAF21/SAFC21/SAFC25/SA21/SA32/HDCL2-6.5/HDCL3-6/HDCL3-10/LA25/LA35/DH30 Offshore davit: PL65/PL85/PL100/PL110/PL120/PL138/PL150/PL180/PL200/PL230 Fast Rescue boat davit: LFR30/LFR35/LFR55/LFRH30/LEFR50/LFRH60/DH30/SAWH30/SAWH45/SAWH60 Totally Enclose Lifeboat: YH5.0QFP/YH5.0QFN/YH6.5QFP/YH6.5QFN/YH8.5QFP/YH8.5QFN/YH8.5QFP-A/YH8.5QFN-A/YH10.3QFP/YH10.3QFN/YH9.5QFP/YH9.5QFN/YH12.0QFP/YH12.0QFN/YH9.9BFP/YH12.5BFP/ZZHG-BF-12.5 Freefall Lifeboat: YH5.9FP/YH5.9FN/YH6.7FP/YH6.7FN/YH7.5FP/YH7.5FN/YH8.5FP/YH8.5FN Fast Rescue boat: YH6.0FRA/YH6.0FRB/YH6.5FRA/YH6.5FRB Rescue boat: YH4.5R/YH4.5DR/YH7.5 Hook: HK25/HK25B/HK40/HK40C/HK65/SH55/SH70/SH85, Handle release hook 15KN, Automatic release hook 21KN/23KN/35KN
	LIFEBOAT FREE FALL LIFEBOAT	Totally enclosed/Rescue boat Series: HH50C/HH50T, HH53C/HH53T, HH57C/HH57T, HH65C/HH65T, HH65CS/HH65TS, HH70C/HH70T, HH75CS/HH75TS, HH75C, HH80CS/HH80TS, HH85C/HH85TS



Annex N

List of makes and types of equipment

Wuxi Hai Hong BoatMaking Co., Ltd.	RESCUE BOAT FAST RESCUE BOAT RELEASING GEAR MECHANISM	Freefall Lifeboat Series: HH59FC/HH59FF, HH76FC/HH76FF Rescue boat Series: GJ4.5B/GJ4.5B1 High Speed Rescue boat: GJ618A/GJ618B
Oriental Inspection & Service Co., Ltd.	LA-DAVIT & WINCH	Hinged gravity type davit: Series (HGD, HGK, SHS, RTD, DHA, DMA) Hinged gravity type winch: (BWE, SWE, WL) Series Freefall davit and winch: FD Series, WL Series Rescue / Lifteraft davit and winch: RD Series, RDW Series
Dong Woo Machinery & Engineering Co., Ltd	LA-DAVIT & WINCH	DWS SERIES, LRDS SERIES, RBDS SERIES, HINGED GRAVITY BOAT DAVIT AND FREEFALL DAVIT RESCUE DAVIT AND LIFE RAFT DAVIT
HLB Co., Ltd & Bada Heavy Industries Co., Ltd.	LIFEBOAT FREE FALL LIFEBOAT RESCUE BOAT FAST RESCUE BOAT RELEASING GEAR MECHANISM LA-DAVIT & WINCH	HLB (ex. Hyundai Lifeboats) Lifeboat & Rescue boat: Series of HD, HT, HDL, HLB; HDF, HDFL, HDFN; HDR & HDFR Release Mechanism: Series of THP, Talon & Talon II Bada Heavy Industries (ex. D.R.M.) Davit: Series of DRM, BDH, BDTD, BDHP, BDTW, BDRW, BDM and BFOD Series of FF, HDFL, HDF, BDF; BDR, BDH, BDA, BDFA; BDL, BDR & BHI Winch: Series of DRM, DRBW, BAW, BDF, BHI, BLR, BLW, BMW, BRW, BWL, BWR & FHW Release Mechanism: Series of BDR, BHA & BHR
Wuxi Dongwu MarineEquipment Co., Ltd.	LA-DAVIT & WINCH	Gravity Luffing Arm Davit: 18KN/25KN/40KN/50KN/60KN/60KN (60L)/85KN/110KN/T2.5/SK50 Gravity Sliding Track Davit: 25KN/30KN Freefall Lifeboat Launching Appliance: F55/F70/NPT100F Rescue boats/Lifterafts Launching Appliances: 21KN(Manual)/21KN(Electrical)/21KN (Electrical/hydraulic)/25KN (Electrical / hydraulic)/35KN (Electrical / hydraulic)/DWC210 Rescue boats Launching Appliances: A30/H35 Lifeboat winch: DS*ZY25/DS*ZY40/D50S/DS*ZY63/D63S/80KN (life) Life/rescue boat winch: DZY/Z21/DZ*ZY25/DZ*ZY40/D50Z/DZ*ZY63/D63Z/80KN (rescue)
Wuxi Wenjiao G.F.R.PFactory	LIFEBOAT FREE FALL LIFEBOAT RESCUE BOAT FAST RESCUE BOAT RELEASING GEAR MECHANISM	Totally enclosed life/rescue boat: WJB50F, WJB50C, WJ57F, WJ57C, WJ58F, WJ58C, WJ75F, WJ75C Freefall Lifeboat: WJ59FF, WJ59FC, WJ67FF, WJ67FC Rescue boat: WJ40R, WJ45KR, WJ45D3, WJ45D, WJ55D, WJ60RA, WJ60RB Lifeboat: WJ45D, BJ55, BJ60, BJ70, BJ75, BJ80, BJ85 Release Gear: WJHK40, WJ30HK, WJ63HKC
Zhenjiang DH MarineEquipment Co., Ltd.	LA-DAVIT & WINCH	Single Arm Boat / Raft Davit: HSD23, HSD15 Rescue Boat Davit: PR30, PRH35 Lifteraft Davit: MSD23 Single arm Lifteraft Davit: MSD33 Gravity Luffing Arm Davit: LE90, LE120
West Marine EngineeringPte. Ltd	LA-DAVIT & WINCH	Single arm davit & winch: WME-SAD14, WME-SAD30Single arm davit-manual operation: WME-SAD23 A-frame davit semi hydraulic system: WME-LR30 A-frame davit fully hydraulic system: WME-LRH35, WME-LRH75 Conventional davit & winch: WME-MGD185



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		Boat raft davit: WME-HTD30
Jiangyin Wolong F.R.P BoatCo., Ltd.	LIFEBOAT & RESCUE BOAT FREE FALL LIFEBOAT RESCUE BOAT LA-DAVIT & WINCH RELEASE MECHANISM OF LIFEBOAT & RESCUE BOAT	Totally Enclosed Lifeboat: JY50C/F, JY50CA/FA, JY57C/F, JY60C/E/F, JY65C/F, JY70C/F, JY80C/F, JY80CA/FA, JY85C/F, JY85CA/FA, JY85CB/FB, JY93C/F, JY102/F, JY117C/F Freefall Lifeboat: JY49CF/FF, JY59CF/FF, JY67CF/FF, JY85CF/FF, JY109CF/FF Rescue boat: JY40KR, JY42KR, JY45DR, JY45KR, JY50R, JY54KR, JY60KR, JY65KR, JY75KR, JY85KR Partially Enclosed Lifeboat: JY70P, JY80P, JY85P Open type Lifeboat: JY45KR, JY55K, JY65K, JY70K, JY75K, JY80K, JY85K Gravity luffing arm type: JY-LE65, JY-LE85, JY-LE100, JY-LE150 Launching appliance of Freefall Lifeboat: JY-FH55, JY-FH70, JY-FH90, JY-FH15 Platform Davit: JY-PL70, JY-PL110, JY-PL150, JY-PL185, JY-PL215 Single arm boat/raft davit: JY-SAF21, JY-SAF23, JY-SA23S, JY-SA37S, JY-SR33S, JY-SAF33, JY-HSR23/16, JY-HSR33/23, JY-FCR2066, JY-FCR2305 Rescue boat davit: JY-PLR21, JY-LFR27, JY-LRHE30, JY-LRHE70, JY-LFR35, JY-SAP14, JY-SAP30 Gravity overhead rolling type davit: JY-HE70, JY-HE95, JY-HE120, JY-HE155 Telescopic boom type davit: JY-TBD120, JY-TBD215, JY-TBD35 Hydraulic luffing arm type davit: JY-GYE70, JY-GYE120, JY-GYE185 Connecting rod type davit: JY-GL70, JY-GL95, JY-GL120, JY-GL185 Winch: JY-SAP14, JY-D23Z, JY-D23/16Z, JY-SAFC23, JY-D33/23Z, JY-SAF33, JY-LRHE30, JY-PLR21, JY-LFR27, JY-LRHE70, JY-D50S/Z, JY-D70S/Z, JY-D85S/Z, JY-D110S/Z, JY-DW125S, JY-DP110S/Z, JY-DP150/Z, JY-DP185, JY-DP215
Jiangsu Jiaoyan Marine Equipment Co., Ltd. (Ex. Jiangyin Xinjiang F.R.P. Co., Ltd)	LIFEBOAT & RESCUE BOAT LA-DAVIT & WINCH RELEASE MECHANISM OF LIFEBOAT & RESCUE BOAT	Freefall Lifeboat: JY-FN-4.9/JY-FF-4.9/JY-FN-5.8/JY-FF-5.8, JYM-FN-6.65/JYM-FF-6.65/JY-FN-6.8/JY-FF-6.8, JY-FN-7.5/JY-FF-7.5/ JY-FN-8.5/JY-FF-8.5 Rescue boat: GJ4.2/GJ4.25/GJ4.5/GJ5.0/GJ5.25/GJ6.0B-1/GJ6.10 Totally enclosed lifeboat: JY-QFP/N-5.0/JY-QFP/N-5.25/ GTR57JYC/F/JY-QFP/N-6.0A JY-QFP/N-6.50/JY-QFP/N-7.0/JY-QFP/N-7.5/JY-QFP/N-7.50A/ JY-QFP/N-8.00/JY-QFP/N-8.50/JY-QFP/N-8.50X, JY-QFP/N-9.35 Hook: JX-1/JX-2/JX-3/JXN-1/JXN-3 Gravity luffing arm type davit: JYL52/JYL55/JYL65/JYL85/JYL105/JYL135 Launching appliance: JYF55/JYF75/JYF90 Platform Davit: JYP65/JYP85/JYP105/JYP135 Single arm Davit: JYR21/JYRC21/JYR14/JYRH14/JYRH21 Electric Boat Winch: JYW42/JYW50/JYW70/JYW100/JYWP70/JYWP100/JYWP135
T-ISS B.V.	ALL T-ISS RELEASE HOOKS	T-ISS PX-01, PX-02 and PX-03
Sangsangin Industry Co., Ltd.	Hinged Gravity Type Single Arm Type Freefall Type	DHG-57-FM, HGW-40-FM, DHG-70-FM, HGW-52-FM, HGW-50-FM, DHG-73-FM, HGW-61-DM, DHGD-11-E2E7 DLRD, DRLD, DSAD, PV Combined, DCHH, DPR, DNR, DRBD, DSAC, BSNKJ FF, HDF
Annex 1 to Category N: ISO 23678:2020 Make / Type/ Model - Series		
Davits		
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	Twin Fall Gravity Pivoting / Luffing	SPG-series
ACEBI	Twin Fall Gravity Roller track	GRA-series
ACEBI	Twin Fall Hydraulic / Pivoting / Luffing	TPC-series



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	Gravity Lowering	
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, HINGED GRAVITY - Series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Twin Fall Gravity Roller track	BDTW-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	BDH-series
BADA HEAVY INDUSTRIES CO., LTD	Single arm Slewing	BHI-RLD-series
BADA HEAVY INDUSTRIES CO., LTD	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	BDHP - series
BIANCHI &	Gravity single and twin fall outrigger	PE-series, PET-series



Annex N

List of makes and types of equipment

CHECCHI		
BOPP TREUILS JEB	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	BHD - series
COASTAL MARINE EQUIPMENT, INC.	Single arm Slewing	D-series
CRAMM YACHTING SYSTEMS B.V	Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	CDT 7000 - series
DAELIM TECHNOLOGY CO. LTD.(HYUNDAI)	Free fall secondary hydraulic A Frame	FF-740-series
DAVIT COMPANY	Gravity single and twin fall outrigger	FFFDA-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, D-CRH.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, D-TT.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 Roller track	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
DONGNAM MARINE CRANE CO.,LTD.	Twin Fall Gravity Pivoting / Luffing	DLB-series
DONGNAM MARINE CRANE CO.,LTD.	Single arm Slewing	DCPV-series, DNRD-series, DRBLRD-series, DRLD-series, DSAC-series, DSAD-series
DONGNAM MARINE CRANE	Twin Fall Gravity Pivoting / Luffing	DHGD-series



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List of makes and types of equipment

CO.,LTD.		
DONGNAM MARINE CRANE 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, DSBDR-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
FERRI	Single arm Slewing	1872 TN - 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,



Annex N

List of makes and types of equipment

		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 Roller track	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 Roller track	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
GREBEN	Free fall secondary hydraulic A Frame	HFF-series
HAEAN MACHINERY IND. CO. LTD.	Single arm Slewing	HED-PC-series, HHD-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 Roller track	GRA-series, HD-RT-series
HARDING (UMO)	Twin Fall Hydraulic /	SPD-series



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List of makes and types of equipment

SCHAT HARDING)	Pivoting / Luffing Gravity Lowering	
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 Roller track	NT-series
HARDING (UMO SCHAT HARDING) (PALFINGER)	Twin Fall Gravity Roller track	NPDS - series
HARDING (UMO SCHAT HARDING) (SCHAT DAVIT COMPANY) (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 Roller track	ND - series
HARDING (WATERCRAFT)	Twin Fall Gravity Roller track	WRG-series
HATECKE	Free fall secondary hydraulic A Frame	FFA-series
HATECKE	Gravity freefall primary	FFB-series
HATECKE	Gravity single and twin fall outrigger	GSP.O-series
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	Free fall secondary hydraulic A Frame	JYF-series



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List of makes and types of equipment

XINJIANG F.R.P. CO. LTD)		
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 (JIANGYIN XINJIANG F.R.P. CO. LTD)	Single arm Slewing	JYRCA-series
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 Roller track	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



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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 Roller track	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 Roller track	HB-H-series, RB-H-series



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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	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 Roller track	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
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	Single Fall Rescue /	PFH-series, PRH-series, PRHE-series



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List of makes and types of equipment

MARINE (PALFINGER)	Fast Rescue Boat A Frame Hydraulic	
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 Frame Hydraulic	NDA-series
ORIENTAL PRECISION	Free fall secondary hydraulic A Frame	FD-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 Roller track	RTD-series



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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 Roller track	NPT-series
PALFINGER	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	NPD-series, PFH-series
PELLEGRINI MARINE EQUIPMENT	Single arm Slewing	CHCD 2,507+ RLC 2,1/4,5-series, RLC - series
PELLEGRINI 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	RDT-series



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List of makes and types of equipment

	Telescopic Hydraulic	
SCHAT HARDING	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	FR.P.SP - 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 Roller track	AT-series, STS-series
SEKWANG MARINE MACHINERIES	Single arm Slewing	RBD - 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
STOCZNIA USTKA SP. Z O.O.	Free fall secondary hydraulic A Frame	HZ-series
STOCZNIA USTKA 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
TECHNIMPIANTI	Twin Fall Gravity Roller track	FRB - series



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S.P.A		
TSUJI HEAVY INDUSTRIES	Single arm Slewing	RP-series
TSUJI HEAVY INDUSTRIES	Twin Fall Gravity Pivoting / Luffing	H-series
TSUJI HEAVY INDUSTRIES	Twin Fall Gravity Roller track	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	CH-52-series, NRC-R-series
VIKING (NORSAFE)	VIKING (NORSAFE)	VIKING (NORSAFE)
VIKING (NORSAFE)	VIKING (NORSAFE)	VIKING (NORSAFE)
VIKING (NORSAFE)	VIKING (NORSAFE)	VIKING (NORSAFE)
VIKING (NORSAFE) (JIANGYIN)	VIKING (NORSAFE) (JIANGYIN)	VIKING (NORSAFE) (JIANGYIN)
VIKING	VIKING (NORSAFE) (JIANGYIN)	VIKING (NORSAFE) (JIANGYIN)



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(NORSAFE) (JIANGYIN)		
WELIN LAMBIE	WELIN LAMBIE	WELIN LAMBIE
WELIN LAMBIE	WELIN LAMBIE	WELIN LAMBIE
WUXI DONGWU	WUXI DONGWU	WUXI DONGWU
WUXI DONGWU	WUXI DONGWU	WUXI DONGWU
WUXI DONGWU	WUXI DONGWU	WUXI DONGWU
WUXI DONGWU	WUXI DONGWU	WUXI DONGWU
WUXI DONGWU	WUXI DONGWU	WUXI DONGWU
WUXI HAIHONG BOAT MAKING CO., LTD	WUXI HAIHONG BOAT MAKING CO., LTD	WUXI HAIHONG BOAT MAKING CO., LTD
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 Roller track	SMD-series
YOUNGNAM MACHINERY CO. LTD	Twin Fall Gravity Pivoting / Luffing	YNBD-series
ZHEJIANG HENGXIN SHIP EQUIPMENTS CO., LTD	Single arm Slewing	SA23-1-series
ZHEJIANG TAIZHOU WANTONG MARINE MACHINERY CO LTD	Twin Fall Gravity Pivoting / Luffing	YSJ-series
ZHENJIANG MARINE AUXILIARY MACHINERY	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	SRH-series



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WORKS		
ZHENJIANG DH MARINE EQUIPMENT CO., LTD	Single arm Slewing	MSD-series
ZHENJIANG JUST MARINE EQUIPMENT CO., LTD	Free fall secondary hydraulic A Frame	FH-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		
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		
BADA HEAVY IND. CO., LTD (EX.	Devices For Activating Release: Central Release Unit	BD-LH-series



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DAERYUCK MACHINERY)		
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



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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 Lifter / Lift over centre automatic	1448 TN-series
GEPA	Rescue boat / Davit Launched Lifter / Lift over centre automatic	G-K-series
GLOBAL DAVIT	Lifeboat on load lift not over centre	HRL-series
GLOBAL DAVIT	Rescue boat / Davit Launched Lifter / 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 Release Unit	NLH-series
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 offload w. Onload capability	RRH-series
HARDING (UMO SCHAT HARDING) (SCHATDAVIT COMPANY) (PALFINGER)	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	LH3.5M2-series



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HARDING (UMO SCHAT HARDING)	Rescue boat / Davit Launched Liferaft / 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	Rescue boat / Davit Launched Liferaft / Lift over centre automatic	SIMPLEX 2.0I OFF LOAD -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 Liferaft /Lift over centre automatic	RAFTI 2.5-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



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HLB (HYUNDAI LIFEBOATS)	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	TALON MK 2-series
HOI SENPAKU CO LTD	Devices For Activating Release: Central Release Unit	HS-series, HS 520 96-series, HS650 96-series
HOI SENPAKU CO LTD	Devices For Activating Release: Hydrostatic Unit with Diaphragm	HS-series, HS 520 96-series, HS650 96-series
HOI SENPAKU CO LTD	Lifeboat on load lift not over centre, Curve to flat rotating cams	HS520 96-series, HS650 96-series
HOI SENPAKU CO LTD	Lifeboat on load lift not over centre, flat to flat rotating cams	HS-series
HOI 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	Fast Rescue Boat Offload with On-Load Capability	JXN-3-series



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List of makes and types of equipment

CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)		
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, JXN-series, JXN-1B-series, JXN-1C-series
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-HCK-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



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List of makes and types of equipment

JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Rescue boat / Davit Launched Lifter / 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 Lifter / Lift	RH-series, RH3-series



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List of makes and types of equipment

	over centre automatic	
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
NINGBO NEW MARINE LIFESAVING EQUIPMENT CO., LTD	Freefall Hydraulic / mechanical	JX-2-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



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List of makes and types of equipment

PALFINGER	Fast rescue boat offload / Manual or automatic	CAR-35F-series
PALFINGER	Freefall Hydraulic / mechanical	FFH-series
PALFINGER	Rescue boat / Davit Launched Lifteraft / Lifet 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, HSWI - series
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.	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
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Rescue boat offload w. Onload capability	BG-2R-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, SZK-30-series, SZK-5-series
SHIGI SHIPBUILDING CO. LTD.	Devices For Activating Release: Hydrostatic Unit with Float	SRS-series, SZK-30-series, SZK-5-series
SHIGI SHIPBUILDING	Lifeboat on load lift not over centre, Curve	SRS-series



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List of makes and types of equipment

CO. LTD.	to flat rotating cams	
SHIGI SHIPBUILDING CO. LTD.	Lifeboat on load lift not over centre, up and down pins / collars	SZK-25M-series, SZK-30-series, SZK5-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	Rescue boat / Davit Launched Lifteraft /Lift	RCH 36-series



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List of makes and types of equipment

	over centre automatic	
VIKING NORSAFE	Fast Rescue Boat Offload	VIKING 1.6 - 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, NFFH-series
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 MINGZI MACHINERY MANUFACTURING CO., LTD	Rescue boat / Davit Launched Liferaft / Lift over centre automatic	15KN – series, 25KN-series, 31-37KN-series
WUXI WENJIAO	Fast Rescue Boat Offload with On-Load Capability	HK-series
WUXI XINGSHENG	Rescue boat / Davit Launched Liferaft / 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



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List of makes and types of equipment

Survival Craft, Rescue Boats (Incl. Fast Rescue Boats)		
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.	Rescue Boat, single fall	JET TENDER 18 RB-series
DAFER (NARWHAL)	Fast 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
ESVAGT	Rescue Boat, single fall	ALU 460 F - series
FASSMER	Fast Rescue Boat, single fall	FRR-series
FASSMER	Partially enclosed lifeboat, twin fall	CL-P-series, PLL-series, PLT-series, SEL-series



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List of makes and types of equipment

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



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List of makes and types of equipment

HARDING (UMO SCHAT HARDING) (PALFINGER)	Totally enclosed lifeboat, freefall	HARDING-LBF-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, tanker 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
HOI 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
HOI SENPAKU CO LTD	Totally enclosed lifeboat, twin fall, tanker version	HSF-series
HYUNDAI LIFEBOATS CO. LTD	Totally enclosed lifeboat, freefall	HDFL740F-series



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List of makes and types of equipment

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, GTR-F-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.	Fast Rescue Boat, single fall	NPT-RA-series



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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 XINJIANG	Rescue Boat, single fall	GJ-series, GJ- B-series
JIANGYIN XINJIANG	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	Totally enclosed	JYB-F-series



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BEIHAI	lifeboat, twin fall, tanker version	
KANG NAM. CORPORATION	Totally enclosed lifeboat, twin fall, dry version	GTB-series
MARE SAFETY AS	Fast Rescue Boat, single fall	GTC 700 - series
MARE SAFETY AS	Rescue Boat, single fall	RB-series
MARITIME 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
MARITIME PARTNERS (HUKKELBERG BOATS)	Fast Rescue Boat, single fall	SPRINGER-series
MULDER EN RIJKE	Partially enclosed lifeboat, twin fall	PELB-series, PTL-series
MULDER EN RIJKE	Totally enclosed lifeboat, single fall	TELB-S-series
MULDER EN RIJKE	Totally enclosed lifeboat, twin fall, tanker version	TELB-series
NARWAL	Rescue Boat, single fall	SV-series
NARWHAL (DAFER)	Fast Rescue Boat, single fall	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	Totally enclosed lifeboat, twin fall, dry version	YZC-series



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CO LTD		
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	Rescue Boat, single fall	NM45R-series
NINGBO NEW MARINE LIFESAVING EQUIPMENT CO. LTD	Totally enclosed lifeboat, freefall	NM58FF-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



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List of makes and types of equipment

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, NPT-FF-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.	Totally enclosed lifeboat, twin fall, dry version	BH-series



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List of makes and types of equipment

LTD.		
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
STOCZNIA USTKA SP. Z O.O.	Fast Rescue Boat, single fall	FRB-series
STOCZNIA USTKA SP. Z O.O.	Rescue Boat, single fall	R-series, RIB-series
STOCZNIA USTKA SP. Z O.O.	Totally enclosed lifeboat, freefall	FFB-series
STOCZNIA USTKA 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	Totally enclosed lifeboat, twin fall, dry	KL-TE-series



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List of makes and types of equipment

(KAMBARA RINGYO)	version	
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
VALIANT	Rescue Boat, single fall	RB-450-series9
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, MIRAM-T-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
WATERCRAFT (WATERCRAFT HELLAS)	Totally enclosed lifeboat, twin fall, dry version	MK 5 - series
WATERMAN OY	Partially enclosed lifeboat, twin fall	365-series, 367-series, 391-series, 393-series
WATERMAN OY	Totally enclosed lifeboat, twin fall, tanker version	351-series, 366-series, 366HRL-series, 368-series, 371-series, 371HR-series, 377-series, 379-series



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List of makes and types of equipment

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 / 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-C- series, 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, tankerversion	BCC-series
ZHENJIANG JUST MARINE EQUIPMENTS CO., LTD.	Rescue Boat, single fall	ZJM-4.0-series
ZHENJIANG JUST MARINE EQUIPMENTS CO., LTD.	Totally enclosed lifeboat, freefall	ZJM-FF-series



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List of makes and types of equipment

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 HURRICANE	Rescue Boat, single fall	H561 PROLUXE-series
Winches		
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 liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / 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	TBE-series



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List of makes and types of equipment

	pads	
ACEBI	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal 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, eccentric cam / decent brake centrifugal pads	AIW-series
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, ELEC. MOTOR DRIVEN – 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	Single drum Gravity lowering electric	BHI-EHW-series, BLW-series



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List of makes and types of equipment

INDUSTRIES CO. LTD	hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	
BOPP TREUILS JEB	Single Drum, hydraulic- lowering/hydraulic hoisting	BHP 4200-series
CRAMM YACHTING SYSTEMS B.V	Twin Drum, gravity- lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	BWF 1500-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, 06KN-series, 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 wpads	HLW-series
DONGNAM MARINE CRANE	Single Drum Gravity lowering electric	DSAD-series



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List of makes and types of equipment

CO LTD	hoisting lifeboat / rescue 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
DONGNAM MARINE CRANE 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	FDW-series



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List of makes and types of equipment

	operated / decent brake hydraulic pump	
FASSMER MARLAND	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, 03KN-series, 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 pads	10KN-series, 14KN-series, 20KN-series, 26KN-series
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,	HMI-series



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List of makes and types of equipment

	eccentric cam / decent brake centrifugal pads	
HAEAN MACHINERY IND. CO. LTD.	Single Drum, hydraulic-lowering/hydraulic hoisting	HHD-PC-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
HARDING (UMO SCHAT HARDING) (SCHAT DAVIT CAOMPANY) (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	MW-series, NW-series



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List of makes and types of equipment

	brake centrifugal w pads	
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 / static brake cone /disk / pads / band / 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	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with	JYW-series, JYWP-series



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(JIANGYIN XINJIANG F.R.P. CO. LTD)	mechanically operated multiple disks friction pads / decent brake centrifugal w pads	
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	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 wpads	PCRLC-series
MACGREGOR (TTS) (HYDRAMARINE)	Single Drum, hydraulic- lowering/hydraulic	HMW-series



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List of makes and types of equipment

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 /	15-series



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List of makes and types of equipment

	pads / band / decent brake centrifugal w pads	
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
PELLEGRINI MARINE EQUIPMENT	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam /decent brake centrifugal pads	RLC-series
PELLEGRINI MARINE EQUIPMENT	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	VAS 45 E-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam /	BW-SC-series



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List of makes and types of equipment

	decent brake centrifugal pads	
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 (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
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
SEKWANG MARINE MACHINERIES	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam /decent brake centrifugal pads	RBW-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
TECHNIMPIANTI S.P.A	Single Drum, hydraulic- lowering/hydraulic hoisting	HW-series
TMA	Single Drum, hydraulic- lowering/hydraulic hoisting	TN/MW-series
TSUJI HEAVY INDUSTRIES	Single drum Gravity lowering electric	TC-series



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List of makes and types of equipment

	hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	
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, PIV.1.0A-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 mechanically operated multiple disks friction pads / decent brake	DS/Z-series, DZ-series



Annex N

List of makes and types of equipment

	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 HENGXIN SHIP EQUIPMENTS CO., LTD	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	YZ-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-	A2FM45-61A-series, ZHP-series, ZR-series



Annex N

List of makes and types of equipment

	lowering/hydraulic hoisting	
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Annex

to Certificate of Approval of Service Supplier

No. SSU011623WE

List of manufacturer Approvals for Category 'E'

1. **CSM - Shanghai Star Rubber Products Co., Ltd.**
 RAFT-A-6(II)/10(II)/15(II)/16(II)/20(II)/25(II)
 RAFT-D-12/16/20/25
 SMLR-A-6/8/10/12/15/16/20/25/32
 SMLR-A-4/6/8/10/12/16/20/25(I)
 SMLR-D-12/16/20/25/32
 RAFT-SR-6/10/15/20/25/50/55/65
 RAFT-DSR-16/20/25/32/37
 RAFT-R-6/15/25/30/50/65/66/66*2/72/100
2. **Shanghai Youlong Rubber Products Co., Ltd.**
 KHA-6/8/10/12/15/16/20/25/30/35
 KHZ-6/10/15/20/25/30/35/50/65/100/110/125/130
 KHA-6/8/10/12/15/16/20/25/30/35/(II)
 KHD-12/15/16/20/25/30/35
 KHZD-15/16/20/25/30/35/37
 KHR-6/10/25/30/50/65/100
 KHK-6/10/25/30/50/65/100/152
 KHY-4/6/8/10/12; KHYJ-4/6/8/10
 KHY(SR)-4/6/8/10/12
3. **Jiangsu Haining Marine Equipment Co., Ltd.**
 HNF-A6/8/10/12/15/16/20/25/30
 HNF-CR25/30/35/40/45/50/65
 HNF-D15/20/25
 HNF-DSR12/15/16/20/25/37
 HNF-FJ50/55
 HNF-HSC6/8/10/15/25/50/65
 HNF-SR6/8/10/12/15/16/20/25/30/35/37/50/65
4. **Shanghai Fangzhan Fire Technology Co., Ltd.**
 All lifesaving equipment
 - Emergency escape breathing device
 - Self-contained breathing apparatus