

CERTIFICATE OF APPROVAL OF SERVICE SUPPLIER

CERTIFICATE NO. SSU236024xh

This is to certify that

VASSOS KONSTANTINOU VASILEIOS "SAFETY TECHNICAL BUREAU

97 DOGANIS STR
185 46 Piraeus GREECE

*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:*

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

Date of the audit: **14 Jun 2024**
Issued in **PIRAEUS**
on **23 Jul 2024**

This Certificate is valid from the date of the audit until
13 Jun 2027

This certificate consists of this sheet plus an attachment.



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

Andreas PAPALIMNEOS
RINA Services S.p.A.



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ATTACHMENT TO CERTIFICATE NO. SSU236024xh

VALIDITY CONDITIONS

E - Servicing of inflatable liferafts, inflatable lifejackets, hydrostatic release units, marine evacuation systems

For Category E the approval is granted for the following equipment and manufacturers:

Maker: CSM BRAND INFLATABLE LIFERAFT

Types:

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

N - Maintenance, thorough examination, operational testing, overhaul and repair of lifeboats and rescue boats, launching appliances and release gear

APPROVALS FROM MANUFACTURERS:

Maker: BEIHAI

Lifeboat

Total enclosed: BH-5,5A,5S,5SA,E500,E585,6,6A,6S,E670,7A,7B,8, BH-5,6,7,8,9,10 series, BH-E series

Freefall: BH-F series, BH-F6.0,F7.0A,F7.8,F8.1 ,F5.8,F6.8,F660,F670,F750,F900/A

Rescue: BH-R series, BH- HR series, BH-R4,R4S,R4SA,R5S

Davit

Gravity Pivot: BD-PV series, BD-AR series, BD-PV50,PV60,PV60S,PV85,PV125

Offshore: BD-PL series

Single arm: BD-SA series, BD-SH series, FA36,RBD966, BD-

SA14,14A,14B,SA21,21A,SA23,SA30,30A,SA33,SH23

Freefall launching: BD-FF series, BD-FF55,55A,55R,FF80,80A,80R,80B,FF65/66/67,FF85

Winch

BW-H(LZR) series;L(L/R) series;SC series; YSB/TNIZBJM hydraulic winch series , BW-H(L/R)31S,50,63,75;L(L/R) 75,125;SC14;21,YSB20-120

Release Mechanism

Gravity lifeboat: BG-3/3R/3L/7/10;BH-HOOK3/5, FS5/7/10/13, BG-7

Freefall lifeboat: BG-3F,3.5F,4F,4.5F,4.5FL,5F,6F

Rescue boat: BG2R,15KNXS,25KNXS35KNXS, WUXI XINGSHENG 15,21,23,25,35KN HOOK



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Maker: HAI HONG BOAT MAKING CO., LTD. (GUANGZHOU)

LIFEBOATS

Davit launched totally enclosed lifeboat HH57C (Hai Hong type)
Davit launched totally enclosed lifeboat HH57T (Hai Hong type) Tanker Version
Davit launched totally enclosed lifeboat HH65C (Hai Hong type)
Davit launched totally enclosed lifeboat HH65T (Hai Hong type) Tanker Version
Davit launched totally enclosed lifeboat HH70C (Hai Hong type)
Davit launched totally enclosed lifeboat HH70T (Hai Hong type) Tanker Version

ONLOAD RELEASE GEARS/LIFEBOAT RELEASE & RETRIEVAL SYSTEM

Onload release gear HH43 (Hai Hong type)

Maker: FASSMER-MARLAND

LIFEBOATS

Fassmer-Marland Davit launched totally enclosed lifeboat DRAGON 26C
Fassmer-Marland Davit launched totally enclosed lifeboat DRAGON 26T Tanker Version
Fassmer-Marland Davit launched totally enclosed lifeboat DRAGON 32C
Fassmer-Marland Davit launched totally enclosed lifeboat DRAGON 32T Tanker Version
Fassmer-Marland Davit launched totally enclosed lifeboat DRAGON 38C
Fassmer-Marland Davit launched totally enclosed lifeboat DRAGON 38T Tanker Version
Fassmer-Marland Davit launched totally enclosed lifeboat GMR 6.5
Fassmer-Marland Davit launched totally enclosed lifeboat GMR-T6.5 Tanker Version
Fassmer-Marland Davit launched totally enclosed lifeboat GMR 7.4
Fassmer-Marland Davit launched totally enclosed lifeboat GMR-T7.4 Tanker Version
Fassmer-Marland Davit launched totally enclosed lifeboat HH57C (Hai Hong type)
Fassmer-Marland Davit launched totally enclosed lifeboat HH57T (Hai Hong type) Tanker Version
Fassmer-Marland Davit launched totally enclosed lifeboat HH65C (Hai Hong type)
Fassmer-Marland Davit launched totally enclosed lifeboat HH65T (Hai Hong type) Tanker Version
Fassmer-Marland Davit launched totally enclosed lifeboat HH70C (Hai Hong type)
Fassmer-Marland Davit launched totally enclosed lifeboat HH70T (Hai Hong type) Tanker Version
Fassmer-Marland Davit launched totally enclosed lifeboat CLR-C5.9
Fassmer-Marland Davit launched totally enclosed lifeboat CLR-T5.9 Tanker Version
Fassmer-Marland Freefall lifeboat GAR 6.7
Fassmer-Marland Freefall lifeboat GAR-T6.7 Tanker Version
Fassmer-Marland Freefall lifeboat GAR 7.4
Fassmer-Marland Freefall lifeboat GAR-T7.4 Tanker Version
Fassmer-Marland Freefall lifeboat CFL-C49(E)
Fassmer-Marland Freefall lifeboat CFL-T49(E) Tanker Version
Fassmer-Marland Freefall lifeboat CFL-C66(E)
Fassmer-Marland Freefall lifeboat CFL-T66(E) Tanker Version
Fassmer-Marland Freefall lifeboat CFL-C72(E)
Fassmer-Marland Freefall lifeboat CFL-T72(E) Tanker Version
Fassmer-Marland Freefall lifeboat CFL-C77(E)
Fassmer-Marland Freefall lifeboat CFL-T77(E) Tanker Version
Fassmer-Marland Freefall lifeboat CFL-C83(E)
Fassmer-Marland Freefall lifeboat CFL-T83(E) Tanker Version

RESCUE BOATS/FAST RESCUE BOATS

Fassmer-Marland Rigid rescue boat RR4.2 / RR4.2-M
Fassmer-Marland Rigid rescue boat RRH4.2
Fassmer-Marland Rigid rescue boat RR4.2 ID
Fassmer-Marland Fast rigid rescue boat FRR6.1 ID
Fassmer-Marland Fast rigid rescue boat FRR6.2 ID

ONLOAD RELEASE GEARS/LIFEBOAT RELEASE & RETRIEVAL SYSTEM

Fassmer-Marland Onload release gear Duplex 2.5
Fassmer-Marland Onload release gear Duplex 2.5E
Fassmer-Marland Onload release gear Duplex 25E2
Fassmer-Marland Onload release gear Duplex 5.0



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Fassmer-Marland Onload release gear Duplex 5.0E
Fassmer-Marland Onload release gear Duplex 50E2
Fassmer-Marland Onload release gear HH43 (Hai Hong type)

DAVITS/CRANES

Fassmer-Marland Pivot davit FPD-D60
Fassmer-Marland Pivot davit FPD-D68
Fassmer-Marland Pivot davit FPD-DH68
Fassmer-Marland Pivot davit SRH70
Fassmer-Marland Freefall davit FFH49
Fassmer-Marland Freefall davit FFH49D
Fassmer-Marland Freefall davit FFH66
Fassmer-Marland Freefall davit FFH66D
Fassmer-Marland Freefall davit FFH72
Fassmer-Marland Freefall davit FFH77
Fassmer-Marland Freefall davit FFH83
Fassmer-Marland Freefall ramp FLR49
Fassmer-Marland Freefall ramp FLR66
Fassmer-Marland Freefall ramp FLR72
Fassmer-Marland Rescue boat crane FSAR 14/3.5HS
Fassmer-Marland Rescue boat crane FSARR 14/3.5HS
Fassmer-Marland Rescue boat crane FSAR 4.0/3.5HS
Fassmer-Marland Rescue boat crane FSAR 21/4.0HS
Fassmer-Marland Rescue boat crane FSARR 21/4.0HS
Fassmer-Marland Rescue boat crane FSARR 22/4.0HS
Fassmer-Marland Rescue boat crane FMAH 22KN
Fassmer-Marland Rescue boat crane FSAR 25

WINCHES

Fassmer-Marland Winch for pivot davit DEW 15-24
Fassmer-Marland Winch for pivot davit DEW 15-35
Fassmer-Marland Winch for pivot davit DEW 15-44
Fassmer-Marland Winch for pivot davit D52L/D52R
Fassmer-Marland Winch for pivot davit DW34S/DW34Z
Fassmer-Marland Winch for pivot davit MW50/MW50C for davit FPD-D60
Fassmer-Marland Winch for freefall davit FW35
Fassmer-Marland Winch for rescue boat crane DEW 150
Fassmer-Marland Winch for rescue boat crane DEW 450
Fassmer-Marland Winch for rescue boat crane RZ25

Maker: Wuxi Hai Hong Boat Making Co., Ltd.

Totally enclosed life / rescue boat series:

HH70C / HH70T(QFP7.0/QFN7.0)
HH85CS/HH85TS(QFP8.5/QFN8.5)
HH65CS / HH65TS(QFP6.5/QFN6.5)
HH75CS / HH75TS(QFP7.5/QFN7.5)
HH80CS / HH80TS(QFP8.0/QFN8.0)
HH65C / HH65T(QFP(H)6.5/QFN(H)6.5)
HH50C / HH50T, HH53C / HH53T(QFP(H)5.3)
HH75C(QFP(H)7.5), HH85C / HH85T, HH57C / HH57T

Freefall Lifeboat Series: HH59FC / HH59FF, HH76FC / HH76FF

Rescue Boat Series: GJ4.5B / GJ4.5B1

High Speed Rescue Boat Series: GJ618A/GJ618B

Release Gear Series: HH76 / HH43 / HH30 / HH20

Maker: JIANGSU JIAOYAN MARINE EQUIPMENT CO.,LTD.

Free fall lifeboat



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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/JY-FN/FF-9.5

Rescue boat

GJ4.2/GJ4.25/GJ4.5/GJ5.0/GJ5.25/GJ6.0B-1/GJ6.10
GJ7.50/GJ8.0Q-2/GJ8.5Q-2

Totally enclosed lifeboat

JY-QFP/N-5.0/JY-Q.FP/N-5.25/JY-QFP/N-5.6/JY-QFP/N-6.0A
JY-QFP/N-6.50/JY-Q.FP/N-7.0/JY-QFP/N-7.5/JY-QFP/N-7.50A
JY-Q.FP/N-8.00/JY-Q.FP/N-8.50/JY-Q.FP/N-8.50X
JY-QFP/N-9.35/JY-QFP/N-10.90A

Hook

JXandJXN Series

Gravity luffing arm type davit

JYL52/JYL55/JYL65/JYL85/JYL105/JYL135

Launching appliance

JYF55/JYF75/JYF75-B/JYF90

Platform Davit

JYP65/JYP85/JYP105/JYP135

Single arm davit

JYR21/JYR21S-A/JYRC21/JYR14/JYRH14/JYRH21/JYR26/JYR30
JYR23

Electric Boat Winch

FW45/JYW42/JYW50/JYW70/JYW100/JYWP70/JYWP100
JYWP135/JYW35/JYRZ21

Maker: ORIENTAL INSPECTION & SERVICE CO., LTD.

HINGED GRAVITY TYPE DAVIT & WINCH

- DAVIT : HGD SERIES, HGK SERIES, SHS SERIES,
RTD SERIES, DHA SERIES, DMA SERIES
- WINCH : BWE SERIES, SWE SERIES, WL SERIES

FREE FALL DAVIT & WINCH

- FD SERIES, WL SERIES

RESCUE / LIFERAFT DAVIT & WINCH

- RD SERIES, RDW SERIES

Maker: WUXI DONGWU MARINE EQUIPMENT CO., LTD

DAVIT

Gravity Luffing Arm Davit 18kN/25kN/40kN/50kN/60kN/60kN(60L)/85kN/ 110kN/2.5/SkSO

Gravity Sliding Track Davit 25kN/30kN

Free-fall Lifeboat Launching Appliance F55/F70/NPT1 00E

Rescue Boats/liferafts Launching Appliances 21kN(Manual)/21kN(Electrical)/21kN(Electrical / hydraulic)/25kN
(Electrical / hydraulic)/35kN(Electrical / hydraulic)/ DWC210

Rescue Boats Launching Appliances A30/H35



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WINCH

Life boat winch DS*ZY25/DS*ZY40/D50S/DS*ZY63/D63S/80kN(life)
Life /rescue boat winch DZY/Z2 1/DZ*ZY25/DZ*ZY40/D50Z/DZ*ZY63/I)63Z/80kN(rescue)

Maker: Luzhou Zhenjiang Marine Auxiliary Machinery CO.,LTD

DAVIT

Gravity davit
LE55-1/LE65-1/LE85-1/LE100-1/LE138-1/LE170-1/HE65/HE85/HE100/HE138/H170/RE50/
RE60/RE80/RE100/SRH65/SRH85/SRH100/SRH120/SRH 150/SRH170/SRH200/SRH230
/GL65/GL85/GL110/GL 138/GL165/TG65/TG85/TG110/TG 150/TG170/TG200/TG230/HT80
/HT100/HT150/HT210/LC400

Launching appliance davit FH55/FH70/FH75/FH85/FH100

Single arm davit and crane SAF14/SAF21/SAFC21/S AFC25/SA21/SA32/HDCL2-6.5/HDCL3-6/HDCL3-10/LA25/LA35

Off-Shore davit PL65/PL85/PL100/PL110/PL120/PL138/PL150/PL180/PL200/PL230

Fastrescue boat davit LFR30/LFR35/LFR55/LFRH30/LEFR50/LFRH60/DH30/SAWH30/SAWH45/SAWH60

BOAT

Totally Enclosed Lifeboat
YH5.0QFP/YH5.0QFN/YH6.5QFP/YH6.5QFN/YH8.5QFP/YH8.5QFN/YH8.5QFP-A
ZYH8.5QFN-A/YH 10.3QFP/YH10.3QFN/YH9.5QFP/YH9.5QFN/YH12.0QFP /YH 12.0QFN
/YH9.9BFP/YH12.5BFP/ZZHG-BF-12.5

Free Fall 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/I1K25B/HK40/HK40C/HK65/SH55/SH70/SH85 Handle release hook 15KN, Automatic release hook 21KN/23KN/25KN/35KN

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.

Note 2: This certificate of approval is also issued on behalf of Italian Administration according to the Italian 'Executive Decree n. 321' dated 21st April 2020 and Circular NDS n. 22/2021.

Therefore, this Service Provider is authorized to provide their services on board ships flying Italian flag for the makes and types of equipment defined according to ISO/PAS 23678, listed in the table of Annex N to this Certificate, without prejudice to the particular requirements in the aforementioned Italian official documents.



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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.

Andreas PAPALIMNEOS

RINA Services S.p.A.



Annex N

List of makes and types of equipment

Attached to Certificate No. SSU236024xh

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
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	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	TPF-series, TPU-series
ACEBI	Twin / Single Fall Gravity Rollertrack	GRA-series
ACEBI	Twin Fall Twin Fall Gravity Pivoting / Luffing	SPG-series
ACEBI	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	TPC-series
ACOIN	Single arm Slewing	R18700-series
ACTA	Free fall secondary hydraulic A Frame	HSC-series
ACTA	Single arm Slewing	DC-series, DR-series, HSC-series, MOB-series
ALEXANDER RYAN	Gravity single and twin fall outrigger	BH-series
ARIM	Single arm Slewing	AREH-series, ARPV-series
ARIM	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	ARPV-series
ARIM	Twin Fall Gravity Pivoting / Luffing	AHA-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Free fall secondary hydraulic A Frame	BDF-series, HDFL-series
BADA HEAVY IND. CO., LTD	Gravity freefall primary	BDF-series



Annex N

List of makes and types of equipment

(EX. DAERYUCK MACHINERY)		
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 / Single Fall Gravity Rollertrack	BDTW-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 Hydraulic / Pivoting / Luffing Gravity Lowering	BDH-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Single arm Slewing	BHI-RLD-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Twin Fall Hydraulic / Pivoting / Luffing	BDHP-series
BIANCHI & CHECCHI	Gravity Lowering Gravity single and twin fall outrigger	PE-series, PET-series
BOPP TREUILS JEB	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	BHD-series
COASTAL MARINE EQUIPMENT, INC.	Single arm Slewing	D-series
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



Annex N

List of makes and types of equipment

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-SR04-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 / Single Fall Gravity Rollertrack	D-RT-series
DAVIT INTERNATIONAL	Twin Fall Gravity Pivoting / Luffing	D-NP-series, D-NP.MP-series
DAVIT INTERNATIONAL	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	D-NP-series, D-SP-series
DENIZSAN	Free fall secondary hydraulic A Frame	DSFDD-series
DENIZSAN	Single arm Slewing	DRBD-series, DRBLRD-series, DSRBD-series
DENIZSAN	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	DSFRB-series
DONG NAM ENTERPRISE.,CO LTD	Twin Fall Gravity Pivoting / Luffing	DLB-series
DONGNAM MARINE CRANE CO.,LTD	Single arm Slewing	DCPV-series, DNRD-series, DRBLRD-series, DRLD-series, DSAC-series, DSAD-series
.DONGNAM MARINE CRANE CO.,LTD.	Twin Fall Gravity Pivoting / Luffing	DHGD-series
DONGWOO MACHINERY & ENGINEERING CO., LTD.	Single arm Slewing	DBD-series
DONGWOO MACHINERY & ENGINEERING CO., LTD.	Twin Fall Gravity Pivoting / Luffing	DWS-series
DSB ENGINEERING CO LTD	Free fall secondary hydraulic A Frame	DSBDF-series
DSB ENGINEERING CO LTD	Single arm Slewing	DSB23DR-series
DSB ENGINEERING CO LTD	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	DSBARH-series, DSBDP-series, DSBDR-series



Annex N

List of makes and types of equipment

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	DSBDYL-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, 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 / Single Fall Gravity Rollertrack	GLP.RT-series, GSP.RT-series, GSP.RT, GLP.RT-series
GLOBAL DAVIT	Twin Fall Gravity Pivoting / Luffing	GLP.FP-series, GLP.MP-series, GSP.FP-series, GSP.MP-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	FOD-series



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List of makes and types of equipment

	outrigger	
GREBEN	Single arm Slewing	SAR-series
GREBEN	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	RLC-series
GREBEN	Twin / Single Fall Gravity Rollertrack	GR-RTD-series
GREBEN	Twin Fall Gravity Pivoting / Luffing	SPG-series
GREBEN	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	GD-PD-series, HD-series
GURDESAN	Free fall secondary hydraulic A Frame	GD-FFD-series
GURDESAN	Single arm Slewing	GD-KHK-series, GD-RRS-series
HAEAN MACHINERY IND. CO. LTD.	Single arm Slewing	HED-PC-series, 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 / Single Fall Gravity Rollertrack	GRA-series, HD-RT-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 Hydraulic / Pivoting / Luffing Gravity Lowering	SPD-series
HARDING (UMO SCHAT HARDING) (SCHAT DAVIT COMPANY) (PALFINGER)	Single arm Slewing	MOB-series
HARDING (UMO SCHAT HARDING) (SCHAT DAVIT COMPANY) (PALFINGER)	Twin / Single Fall Gravity Rollertrack	NT-series
HARDING (UMO SCHAT HARDING) (SCHAT DAVIT	Twin Fall Gravity Pivoting / Luffing	SPG(L)-series



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List of makes and types of equipment

COMPANY) (PALFINGER)		
HARDING (UMO SCHAT HARDING) (SCHAT DAVIT COMPANY) (PALFINGER)	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	NPDS-series
HARDING (UMO SCHAT HARDING) (PALFINGER)	Free fall secondary hydraulic A Frame	LA-series
HARDING (UMO SCHAT HARDING) (PALFINGER)	Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	NTD-series
HARDING (UMO SCHAT HARDING) (PALFINGER)	Twin / Single Fall Gravity Rollertrack	ND-series
HARDING (WATERCRAFT)	Twin / Single Fall Gravity Rollertrack	WRG-series
HATECKE (ERNST HATECKE)	Free fall secondary hydraulic A Frame	FFA-series
HATECKE (ERNST HATECKE)	Gravity freefall primary	FFB-series
HATECKE (ERNST HATECKE)	Gravity single and twin fall outrigger	GSP.O-series
HATECKE (ERNST HATECKE)	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	GSP.FP-series
HOLEN AS	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	KOPAS A-1000-series
IHI MARINE UNITED INC	Twin Fall Gravity Pivoting / Luffing	MUL-series
IKNOW MACHINERY (TSUJI)	Twin Fall Gravity Pivoting / Luffing	HD-series
IMT CO., LTD	Single arm Slewing	ILR-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Free fall secondary hydraulic A Frame	JYF-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Gravity single and twin fall outrigger	JYP-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Single arm Slewing	JYR-series, JYRCA-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	JYR-series



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XINJIANG F.R.P. CO. LTD)		
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Twin / Single Fall Gravity Rollertrack	JYGR-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 Hydraulic / Pivoting / Luffing Gravity Lowering	JYHG-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Free fall secondary hydraulic A Frame	NPT-DF-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Gravity single and twin fall outrigger	NPT-DP-series, NPT-PL-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Single arm Slewing	NPT-DR-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	NPT- BE-series, NPT-DR-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Twin Fall Gravity Pivoting / Luffing	NPT-DL-series, NPT-DP-series, NPT-DYL-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Free fall secondary hydraulic A Frame	JY-FH-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Gravity single and twin fall outrigger	JYPL-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Single arm Slewing	JYSA-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	Y-LFR-series, JY-LRHE-series, JY-PLR-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Twin / Single Fall Gravity Rollertrack	JYHE-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Twin Fall Gravity Pivoting / Luffing	JYPL-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	EHRD-series, FRH-series, SRH-series



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List of makes and types of equipment

	Hydraulic	
JIANGYINSHI BEIHAI	Twin / Single Fall Gravity Rollertrack	HB-H-series, RB-H-series
JIANGYINSHI BEIHAI	Twin Fall Gravity Pivoting / Luffing	BH-G-series, LA-series, LB-H-series
JIANGYINSHI BEIHAI	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	BHGH-series
JUNG-A-MARINE CO., LTD	Single arm Slewing	PCRLC-series
KGW SCHWERINER MASCHINENBAU GMBH	Single arm Slewing	RB-series
KYORITSU KIKAI	Free fall secondary hydraulic A Frame	LAF-MUF68-series
MACGREGOR (TTS) (HYDRAMARINE)	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	G-TYPE-series, HMD A32 MK3-series
MACGREGOR (TTS) (HYDRAMARINE)	Single Fall Rescue / Fast Rescue Boat AFrame Hydraulic	A-TYPE-series, HLD-series, HMC-series, HMD-series
MACGREGOR (TTS) HYDRAMARINE)	Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	T-TYPE-series
MANSEI	Free fall secondary hydraulic A Frame	D-FH-series, FE-series, MFH-series
MANSEI	Single arm Slewing	R-series, RD-series, SAR-series, SR-series
MANSEI	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	HER-series
MANSEI	Twin / Single Fall Gravity Rollertrack	AT-series, GRA-series
MANSEI	Twin Fall Gravity Pivoting / Luffing	ABD-series, AH-series, AV-series, CM-series, EH-series, EM-series, M-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,
NAVIM GROUP	Twin Fall Hydraulic /	SPDT-T-series



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List of makes and types of equipment

	Pivoting / Luffing Gravity Lowering	
NED-DECK MARINE (PALFINGER)	Free fall secondary hydraulic A Frame	FFH-series
NED-DECK MARINE (PALFINGER)	Gravity single and twin fall outrigger	FPG-series
NED-DECK MARINE (PALFINGER)	Single arm Slewing	SCH-series, SCM-series, SCT-series, SEC-series
NED-DECK MARINE (PALFINGER)	Single Fall Rescue / Fast Rescue Boat AFrame Hydraulic	PFH-series, PRH-series, PRHE- series
NED-DECK MARINE (PALFINGER)	Twin Fall Gravity Pivoting / Luffing	PL-series
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Free fall secondary hydraulic A Frame	YZF-series
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Single arm Slewing	YZ-series, ZFDZ-series
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Twin Fall Gravity Pivoting / Luffing	L-series
NINGBO NEW MARINE LIFESAVING EQUIPMENT CO. LTD	Gravity single and twin fall outrigger	NMPL-series
NINGBO NEW MARINE LIFESAVING EQUIPMENT CO. LTD	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	NM-series, NMAR-series
NMF	Single arm Slewing	BPK-series, KD.2-series
NOR DAVIT	Gravity single and twin fall outrigger	PL-series
NOR DAVIT	Twin Fall Gravity Pivoting / Luffing	SDP-series
NOREQ (PALFINGER)	Gravity single and twin fall outrigger	NRD-series
NOREQ (PALFINGER)	Single arm Slewing	SCH-series, SCH-R-series, SCHD-series, SCM-L-series, SCM - R-series
NOREQ (PALFINGER)	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	NPD-series
NOREQ (PALFINGER)	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	NPD-series
NORSAFE	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	NDA-series
ORIENTAL PRECISION	Free fall secondary hydraulic A Frame	FD-series



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ORIENTAL PRECISION	Single arm Slewing	RD-series, SHS-series
ORIENTAL PRECISION	Twin / Single Fall Gravity Rollertrack	RTD-series
ORIENTAL PRECISION	Twin Fall Gravity Pivoting / Luffing	DHA-series, DMA-series, HGD-series, HGK-series
ORIENTAL PRECISION - SEKIGAHARA	Twin Fall Gravity Pivoting / Luffing	SHS-series
PALFINGER	Free fall secondary hydraulic A Frame	NPT-DF-series
PALFINGER	Gravity freefall primary	FF-series
PALFINGER	Gravity single and twin fall outrigger	FPG-series
PALFINGER	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	SCH-R-series, SCM-L-series, SCM-R-series
PALFINGER	Twin / Single Fall Gravity Rollertrack	NPT-series
PALFINGER	Twin Fall Gravity Pivoting / Luffing	NPT-series, VIP-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 Telescopic	RDT-series



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	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 / Single Fall Gravity Rollertrack	AT-series, STS-series
SEKIGAHARA	Twin Fall Gravity Pivoting / Luffing	SFA-series, SFB-series, SFP- series, SHS-series
SEKWANG MARINE MACHINERY CO, LTD	Single arm Slewing	RBD-series, SINGLE ARM SLEWING-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 S.P.A	Twin / Single Fall Gravity Rollertrack	FRB-series
TSUJI HEAVY INDUSTRIES	Single arm Slewing	RP-series
TSUJI HEAVY	Twin / Single Fall Gravity	T83-series, TC-series



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INDUSTRIES	Rollertrack	
TSUJI HEAVY INDUSTRIES	Twin Fall Gravity Pivoting / Luffing	H-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	Free fall secondary hydraulic A Frame	PLA-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)	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	NDA-series, NRB-series
VIKING (NORSAFE)	Twin Fall Gravity Pivoting / Luffing	E-series
VIKING (NORSAFE)	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	LH-series



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VIKING (NORSAFE) (JIANGYIN)	Single arm Slewing	NDSC-series, NDSC-R-series
VIKING (NORSAFE) (JIANGYIN)	Free fall secondary hydraulic A Frame	HD-series
WELIN LAMBIE	Single arm Slewing	LRW-series, SARBE-series
WELIN LAMBIE	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	PIV.1.0A-series
WUXI DONGWU	Free fall secondary hydraulic A Frame	F55-F70-series, NPT100F-series
WUXI DONGWU	Single arm Slewing	21 - 35KN-series, DCW210-series
WUXI DONGWU	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	A30/H35-series
WUXI DONGWU	Twin / Single Fall Gravity Rollertrack	25KN -30KN-series
WUXI DONGWU	Twin Fall Gravity Pivoting / Luffing	18KN-110KN-series
WUXI HAIHONG BOAT MAKING CO., LTD	Single arm Slewing	23KN-series
WUXI HUAHAI	Gravity single and twin fall outrigger	PD-series
WUXI HUAHAI	Single arm Slewing	HMB-series
WUXI HUAHAI	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	HMDA-series
WUXI HUAHAI	Twin Fall Gravity Pivoting / Luffing	HMD-series
WUXI JIANGNAN 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 / Single Fall Gravity Rollertrack	SMD-series
WUXI SHENGOU	Twin Fall Gravity Pivoting / Luffing	SHMDL-series
YOUNGNAM MACHINERY CO. LDT	Twin Fall Gravity Pivoting / Luffing	YNBD-series
ZHEJIANG HENGXIN SHIP EQUIPMENTS CO., LTD	Single arm Slewing	SA23-1-series
ZHEJIANG TAIZHOU	Twin Fall Gravity Pivoting /	YSJ-series



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WANTONG MARINE MACHINERY CO LTD	Luffing	
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	SRH-series
ZHENJIANG DH MARINE EQUIPMENT CO., LTD	Single arm Slewing	MSD-series
ZHENJIANG 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, SAF-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
RELEASE GEAR		
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Devices For Activating Release: Central Release Unit	BD-LH-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Devices for activating release: Free Fall Hydraulic Primary and Secondary	BHA-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Freefall Hydraulic / mechanical	BHA-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Rescue boat / Davit Launched Lifter / 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



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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	LH-series
DAVIT INTERNATIONAL	Rescue boat offload w. Onload capability	RH-series
FASSMER	Devices For Activating Release: Central Release Unit	DUPLEX < 6.6T-series, DUPLEX > 6T-series
FASSMER	Devices for activating release: Free Fall Hydraulic Primary and Secondary	FFH-series
FASSMER	Devices For Activating Release: Hydrostatic Unit with Float	DUPLEX < 6.6T-series, DUPLEX > 6T-series
FASSMER	Freefall Hydraulic / mechanical	F-series
FASSMER	Lifeboat on load lift not over centre, Curve to flat rotating cams	DUPLEX>6T-series
FASSMER	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	DUPLEX<6.6T-series
FERRI	Rescue boat / Davit Launched Lifteraft /	1448 TN-series



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	Lift over centre automatic	
GEPA	Rescue boat / Davit Launched Liferaft / Lift over centre automatic	G-K-series
GLOBAL DAVIT	Lifeboat on load lift not over centre	HRL-series
GLOBAL DAVIT	Rescue boat / Davit Launched Liferaft / Lift over centre automatic	HRL.26-series
GLOBAL DAVIT	Rescue boat offload lift over centre	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)	Freefall Hydraulic / mechanical	FFH-series
HARDING (UMO SCHAT HARDING)	Rescue boat offload w. Onload capability	RRH-series
HARDING (UMO SCHAT HARDING) (FAST RSQ)	Fast rescue boat offload / Manual or automatic	CAR-35F-series
HARDING (UMO SCHAT HARDING) (SCHAT DAVIT COMPANY) (PALFINGER)	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	LH3.5M2-series
HARDING (UMO SCHAT HARDING) (PALFINGER)	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	LHR-series, LHR M2-series



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	to curve rotating cams	
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, HMK ST 3,5-series
HLB (HYUNDAI LIFEBOATS)	Devices For Activating Release: Central Release Unit	TALON MK 1-series, TALON MK 2-series
HLB (HYUNDAI LIFEBOATS)	Devices For Activating Release: Hydrostatic Unit with Diaphragm	TALON MK 1-series, TALON MK 2-series
HLB (HYUNDAI LIFEBOATS)	Lifeboat on load lift not over centre, flat to flat rotating cams	TALON MK 1-series
HLB (HYUNDAI LIFEBOATS)	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	TALON MK 2-series
HOEI SENPAKU CO.,LTD	Devices For Activating Release: Central Release Unit	HS-series, HS520 96-series, HS650 96-series
HOEI SENPAKU CO.,LTD	Devices For Activating Release: Hydrostatic	HS-series, HS 520 96-series, HS650 96-series



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List of makes and types of equipment

	Unit with Diaphragm	
HOEI SENPAKU CO.,LTD	Lifeboat on load lift not over centre, Curve to flat rotating cams	HS520 96-series, HS650 96-series
HOEI SENPAKU CO.,LTD	Lifeboat on load lift not over centre, flat to flat rotating cams	HS-series
HOEI SENPAKU CO.,LTD	Lifeboat on load lift not over centre, up and down pins / collars	HS520 83-series, HS650 83-series
IHI MARINE UNITED INC	Devices For Activating Release: Central Release Unit	JX-1-series
IHI MARINE UNITED INC	Devices For Activating Release: Hydrostatic Unit with Diaphragm	JX-1-series
IHI MARINE UNITED INC	Lifeboat on load lift not over centre, up and down pins / collars	JX-1-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Devices For Activating Release: Central Release Unit	JX-1-series, JX-1B-series, JXN-1B-series, JXN-1C-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Devices for activating release: Free Fall Hydraulic Primary and Secondary	JX-2-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Devices For Activating Release: Hydrostatic Unit with Diaphragm	JX-1-series, JX-1B-series, JXN-1B-series, JXN-1C-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Fast Rescue Boat Offload with On-Load Capability	JXN-3-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Freefall Hydraulic / mechanical	JX-2-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Lifeboat on load lift not over centre, up and down pins / collars	JX-1-series, JX-1B-series, 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



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List of makes and types of equipment

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-30 HK-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Freefall Hydraulic / mechanical	NPT 70HKF-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Lifeboat on load lift not over centre, Curve to flat rotating cams	NPT-HK-series, NPT 50-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	NPT-HKC-series, PN-HKC-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Rescue boat / Davit Launched Liferaft / 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, LB80MR- series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Devices For Activating Release: Hydrostatic Unit with Diaphragm	JX-1-series, LB80MR-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, forward or reverse curve to curve rotating cams	LB80MR-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



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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
LALIZAS	Rescue boat / Davit Launched Liferaft / Lift over centre automatic	LAR 36-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 Liferaft / Lift over centre automatic	RH-series, RH3-series
NED-DECK MARINE (PALFINGER)	Rescue boat / Davit Launched Liferaft / 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



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List of makes and types of equipment

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	XN-3-series
NORMAR	Freefall Hydraulic / mechanical	X-2-series
NORSAFE	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	TOR MK 2-S/6 TON-series
OPTIMUN MARINE	Rescue boat / Davit Launched Liferaft / Lift over centre automatic	31-37KN-series
PALFINGER	Devices For Activating Release: Central Release Unit	NADIRO D.I.B. SERIES-series
PALFINGER	Devices for activating release: Free Fall Hydraulic Primary and Secondary	FFH-series, NPT-series
PALFINGER	Fast rescue boat offload / Manual or automatic	CAR-35F-series
PALFINGER	Freefall Hydraulic / mechanical	FFH-series
PALFINGER	Rescue boat / Davit Launched Liferaft / Lift over centre automatic	CAR 35-series
PALFINGER	Rescue boat offload w. Onload capability	RRH-series
PESBO S.A	Freefall Hydraulic / mechanical	BSL-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 Liferaft /	200-series



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List of makes and types of equipment

	Lift over centre automatic	
SEZAMOR	Rescue boat / Davit Launched Liferaft / 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 CO. LTD.	Lifeboat on load lift not over centre, Curve to flat rotating cams	SRS-series
SHIGI SHIPBUILDING CO. LTD.	Lifeboat on load lift not over centre, up and down pins / collars	SZK-25M-series, SZK-30-series, SZK5-series
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 Liferaft / 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 Liferaft / Lift over centre automatic	31-37 KN-series
T-ISS BV	Rescue boat / Davit Launched Liferaft / 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	43GS-1-series



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	Unit with Diaphragm	
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 Liferaft / Lift over centre automatic	RCH 36-series
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	TITAN-series



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List of makes and types of equipment

	Release: Hydrostatic Unit with Diaphragm	
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
SURVIVAL CRAFT, RESCUE BOATS (INCL. FAST RESCUE BOATS)		
ACEBI	Partially enclosed lifeboat, twin fall	PELB-series
ACEBI	Totally enclosed lifeboat, twin fall, tanker version	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 BOATBULDING 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



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List of makes and types of equipment

CASTOLDI S.R.L.	Rescue Boat, single fall	ET 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	RB-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
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



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GEPA	Totally enclosed lifeboat, twin fall, tanker version	GFK-FP-series
GREBEN	Partially enclosed lifeboat, twin fall	PEL-series
GREBEN	Rescue Boat, single fall	RB-series
GREBEN	Totally enclosed lifeboat, freefall	FFL-series
GREBEN	Totally enclosed lifeboat, twin fall, dry version	TEL-series
GREBEN	Totally enclosed lifeboat, twin fall, tanker version	TEL-FP-series
HARDING (UMO SCHAT HARDING)	Partially enclosed lifeboat, twin fall	CTL-series, ML-series, MPC-series
HARDING (UMO SCHAT HARDING)	Rescue Boat, single fall	MOB 4.5A-series
HARDING (UMO SCHAT HARDING)	Totally enclosed lifeboat, freefall	FF-series
HARDING (UMO SCHAT HARDING)	Totally enclosed lifeboat, twin fall, dry version	MCF-series
HARDING (UMO SCHAT HARDING)	Totally enclosed lifeboat, twin fall, tanker version	MCB-series, MCM-series
HARDING (UMO SCHAT HARDING) (PALFINGER)	Totally enclosed lifeboat, 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)	Fast Rescue Boat, single fall	HDFR-series



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LIFEBOATS)		
HLB (HYUNDAI LIFEBOATS)	Rescue Boat, single fall	HDR-series
HLB (HYUNDAI LIFEBOATS)	Totally enclosed lifeboat, freefall	HDFN-F-series, HDFN-T-series
HLB (HYUNDAI LIFEBOATS)	Totally enclosed lifeboat, twin fall, dry version	HDL-series, HLB-series, HT78-series
HLB (HYUNDAI LIFEBOATS)	Totally enclosed lifeboat, twin fall, tanker version	HDL-series, HLB-series
HOEI SENPAKU CO., LTD	Totally enclosed lifeboat, twin fall, dry version	HS-series
HOEI SENPAKU CO., LTD	Totally enclosed lifeboat, twin fall, tanker version	HS650F-series, HSF-series
HYUNDAI LIFEBOATS CO. LTD	Totally enclosed lifeboat, freefall	HDFL740F-series
HYUNDAI LIFEBOATS CO. LTD	Totally enclosed lifeboat, twin fall, tanker version	HDL-CF-series
IHI MARINE UNITED INC	Open lifeboat, twin fall	G-series
IHI MARINE UNITED INC	Totally enclosed lifeboat, twin fall, dry version	GTC-series, GTC-C-series
IHI MARINE UNITED INC	Totally enclosed lifeboat, twin fall, tanker version	GT-F-series, GTC-F-series, 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	Fast Rescue Boat, single fall	NPT-RA-series



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MARINE APPLIANCE CO., LTD.		
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 BEIHAI	Totally enclosed lifeboat, twin fall, tanker version	JYB-F-series
KANG NAM. CORPORATION	Totally enclosed lifeboat, twin fall, dry version	GTB-series
MARE SAFETY 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, ALUSAFE770- series, ALUSAFE 900-series, SEA BEAR 23-series, WEEDO 17SOLAS-series, WEEDO 600-series, WEEDO 700-series



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List of makes and types of equipment

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
NARWHAL	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
RNINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Totally enclosed lifeboat, freefall	YZFC-series, YZFF-series
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Totally enclosed lifeboat, twin fall, dry version	YZC-series
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Totally enclosed lifeboat, twin fall, tanker version	YZF-series
NINGBO NEW MARINE LIFESAVING EQUIPMENT CO. LTD	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



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List of makes and types of equipment

NISHI-F CO., LTD., (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Partially enclosed lifeboat, twin fall	PML-series
NISHI-F CO., LTD., (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Totally enclosed lifeboat, freefall	FF-series
NISHI-F CO., LTD., (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Totally enclosed lifeboat, twin fall, dry version	CML-series, EML-series, G-TR-series
NISHI-F CO., LTD., (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Totally enclosed lifeboat, twin fall, tanker version	CML-series, EML-series, G-FR-series
NOREQ	Partially enclosed lifeboat, twin fall	LBP-series
NOREQ (PALFINGER)	Fast Rescue Boat, single fall	FRB-series
NOREQ (PALFINGER)	Rescue Boat, single fall	RRB-series
NOREQ (PALFINGER)	Totally enclosed lifeboat, freefall	LBF-series
NOREQ (PALFINGER)	Totally enclosed lifeboat, twin fall, tanker version	LBT-series
NORMAR	Fast Rescue Boat, single fall	FRC-series
NORMAR	Rescue Boat, single fall	RESCUE-series
NORMAR	Totally enclosed lifeboat, freefall	JY-FF 4.9 TO 8.5C-series, JY-FF4.9 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



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List of makes and types of equipment

QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Partially enclosed lifeboat, twin fall	BH10-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Rescue Boat, single fall	BH-R-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Totally enclosed lifeboat, freefall	BH-F-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Totally enclosed lifeboat, twin fall, dry version	BH-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Totally enclosed lifeboat, twin fall, tanker version	BH-series
SHIGI SHIPBUILDING CO. LTD.	Fast Rescue Boat, single fall	FRP-series
SHIGI SHIPBUILDING CO. LTD.	Open lifeboat, twin fall	SZGM-series, SZGO-series
SHIGI SHIPBUILDING CO. LTD.	Partially enclosed lifeboat, twin fall	SZP-series, SZPR-series
SHIGI SHIPBUILDING CO. LTD.	Rescue Boat, single fall	SZRS-series, VOX46-series
SHIGI SHIPBUILDING CO. LTD.	Totally enclosed lifeboat, freefall	FEL-series
SHIGI SHIPBUILDING CO. LTD.	Totally enclosed lifeboat, twin fall, dry version	SZBR-series
SHIGI SHIPBUILDING CO. LTD.	Totally enclosed lifeboat, twin fall, tanker version	SZTR-series
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	Fast Rescue Boat, single fall	SC60RA-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,	CA-series



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List of makes and types of equipment

	single fall	
TSUNEISHI	Totally enclosed lifeboat, twin fall, dry version	TL-TE-series
TSUNEISHI (KAMBARA RINGYO)	Totally enclosed lifeboat, twin fall, dry version	KL-TE-series
TSUNEISHI (KAMBARA RINGYO)	Totally enclosed lifeboat, twin fall, tanker version	KL-FP-series
TSUNEISHI (SANYO WORKS)	Totally enclosed lifeboat, twin fall, dry version	TE-series
TSUNEISHI (SANYO WORKS)	Totally enclosed lifeboat, twin fall, tanker version	FP-series
VALIANT	Rescue Boat, single fall	RB-450-series
VANGUARDE	Fast Rescue Boat, single fall	VG-FRK-series, VG-FRW-series
VANGUARDE	Rescue Boat, single fall	VG-DRS-series, VG-KR-series
VANGUARDE	Totally enclosed lifeboat, twin fall, dry version	VG-C-series
VANGUARDE	Totally enclosed lifeboat, twin fall, tanker version	VG-F-series, VG-HLB-series
VEB SCHIFFSWERFT RECHLIN/MURITZ	Totally enclosed lifeboat, twin fall, dry version	GAL-series
VIKING (NORSAFE)	Fast Rescue Boat, single fall	MAGNUM-series, MAKO-series, MERLIN-series, MIDJET-530 MK IIWATER JET-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-F-series
VIKING (NORSAFE)	Totally enclosed lifeboat, twin fall, dry version	JYN-C-series, JYN-MKI-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 EQUIPMENTS CO., LTD	Rescue Boat, single fall	GJ-series
HEJIANG HENGXIN SHIP EQUIPMENTS CO., LTD	Totally enclosed lifeboat, freefall	BCFC-series, BCFF-series, FL-C-series, FL-F-series
HEJIANG HENGXIN SHIP EQUIPMENTS CO., LTD	Totally enclosed lifeboat, twin fall, dry version	BCF-series
ZHEJIANG HENGXIN SHIP EQUIPMENTS CO., LTD	Totally enclosed lifeboat, twin fall, tanker version	BCC-series
ZHENJIANG JUST MARINE EQUIPMENT CO., LTD	Rescue Boat, single fall	ZJM-4.0-series
ZHENJIANG JUST MARINE EQUIPMENT CO., LTD	Totally enclosed lifeboat, freefall	ZJM-FF-series
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Fast Rescue Boat, single fall	YH-FRB-series
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Rescue Boat, single fall	YH-FRA-series, YH-R-series
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Totally enclosed lifeboat, freefall	YH-series
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Totally enclosed lifeboat, twin fall, dry version	YH-QFP-series



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List of makes and types of equipment

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 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	BDF-series, BLW-series, BMW-series, BRW-series



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List of makes and types of equipment

	brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	
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, series, PWD-series ELEC. MOTOR DRIVEN-
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Twin Drum, gravity- lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	BDTW-series, BMW-series, BW-series, BWR-series
BADA HEAVY INDUSTRIES CO., LTD.	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	BHI-EHW-series, BLW-series
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	BWF1500-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 /	01KN-series, 02KN-series, 03 KN-series, 04KN-series, 07KN-series



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List of makes and types of equipment

	decent brake centrifugal pads	
DAVIT INTERNATIONAL	Single Drum, hydraulic-lowering/ hydraulic hoisting	06KN-series
DAVIT INTERNATIONAL	Twin Drum, gravity-lowering/ electrically hoisting w / static brake cone /disk / pads /band /decent brake centrifugal w pads	12-series, 40-series
DONG NAM ENTERPRISE., CO LTD	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	HLW-series
DONGNAM MARINE CRANE CO., LTD.	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	DSAD-series
DONGNAM MARINE CRANE CO., LTD.	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	DRBD-series, DRBLRW-series
DONGWOO MACHINERY & ENGINEERINGCO., 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,	DEW-series



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List of makes and types of equipment

	eccentric cam / decent brake centrifugal pads	
FASSMER	Single Drum, hydraulic- lowering/hydraulic hoisting	FFWH-series
FASSMER	Twin Drum, gravity- lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake hydraulic pump	FDW-series
FASSMER	Twin Drum, gravity- lowering/electrically hoisting w/holding static brakes, multiple disks, hydraulically operated / decent brake hydraulic pump	FDW-series
FASSMER MARLAND	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, 1722 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, 10KN-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 /	CW-series, EW-series



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List of makes and types of equipment

	decent brake centrifugal w pads	
GURDESAN	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	GD-FLW-series
GURDESAN	Single Drum, hydraulic-lowering/hydraulic hoisting	GD-HC-A-series
HAEAN MACHINERY IND. CO. LTD.	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	HMI-series
HAEAN MACHINERY IND. CO. LTD.	Single Drum, hydraulic-lowering/hydraulic hoisting	HHD-PC-series
HARDING (UMO SCHAT HARDING)	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 COMPANY) (PALFINGER)	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	16 EBR-series
HARDING (UMO SCHAT HARDING) (SCHAT DAVIT COMPANY) (PALFINGER)	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	08-02-series, FM 194-series, FME-series
HARDING (UMO SCHAT HARDING) (SCHAT DAVIT COMPANY) (PALFINGER)	Single Drum, hydraulic-lowering/ hydraulic hoisting	EW-02-PL-series
HARDING (UMO SCHAT HARDING) (SCHAT DAVIT	Twin Drum, gravity-lowering/electrically hoisting w / static brake	BE-series



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List of makes and types of equipment

COMPANY) (PALFINGER)	cone /disk / pads / band / decent brake centrifugal w pads	
HARDING (UMO SCHAT HARDING) (PALFINGER)	Twin Drum, gravity- lowering/electrically hoisting w/holding static brakes, multiple disks, hydraulically operated / decent brake hydraulic pump	W-series
HARDING (WATERCRAFT)	Twin Drum, gravity- lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	MW-series, NW-series
HATECKE (ERNST HATECKE)	Single Drum, hydraulic- lowering/hydraulic hoisting	07.02.08-series
HYDRALIFT	Single Drum, hydraulic- lowering/ hydraulic hoisting	SP-series
IHI MARINE UNITED INC	Twin Drum, gravity- lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	MUW-series
IKNOW MACHINERY	Twin Drum, gravity- lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	EB-series
IMT CO., LTD	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	ILR-W-series
JAPAN MARINE UNTIED 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	JYRZ-series



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List of makes and types of equipment

	pads	
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Single Drum, hydraulic-lowering/ hydraulic hoisting	FW-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	YW-series, JYWP-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	NPT-DW-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Single Drum, hydraulic-lowering/ hydraulic hoisting	NPT-DF-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	NPT-DS-series, NPT-DW-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	JY-D 23Z-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	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks	DS-series, DW-series, DZ-series, JYBW-series



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List of makes and types of equipment

	friction pads / decent brake centrifugal w pads	
BEIHAIJUNG-A-MARINE CO., LTD	Twin Drum, gravity- lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	PCRLC-series
MACGREGOR (TTS) (HYDRAMARINE)	Single Drum, hydraulic- lowering/ hydraulic hoisting	HMW-series
MANSEI	Single drum Gravity lowering electric hoisting lifteraft / 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
MANSEI INDUSTRY CO LTD	Twin Drum, gravity- lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	MW-7S & MW-7CS-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



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List of makes and types of equipment

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	BREVINI BWC 050-series, BREVINI BWF 025-series, HWCT-series
NED-DECK MARINE (PALFINGER)	Twin Drum, gravity- lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	15-series
NOR DAVIT	Twin Drum, gravity- lowering/electrically hoisting w / static brake cone /disk / pads /band / decent brake centrifugal w pads	SP-series
NOREQ (PALFINGER)	Single Drum, hydraulic- lowering/ hydraulic hoisting	NW-series
NORSAFE	Twin Drum, gravity- lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	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	CW-series, W-series



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List of makes and types of equipment

	hoisting w/holding static brakes, multiple disks, hydraulically operated / decent brake hydraulic pump	
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 / decent brake centrifugal pads	BW-SC-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	BW-HL-series, BW-HR-series, BW-LL-series
SEC (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 MACHINERY CO, LTD	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



Annex N

List of makes and types of equipment

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 hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	TC-series
TSUJI HEAVY INDUSTRIES	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	EB-series
ULSTEIN FAMA (FAMA GNIEW)	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	ER10B-series, ERM-series
VERHOEF	Single Drum, hydraulic-lowering/ hydraulic hoisting	FL 50-series
VESTVINSJ	Single Drum, hydraulic-lowering/ hydraulic hoisting	A-273-7-series, BW-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



Annex N

List of makes and types of equipment

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 centrifugal w pads	DS/Z-series, DZ-series
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
ZHEJIANG 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



Annex N

List of makes and types of equipment

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