

CERTIFICATE OF APPROVAL OF SERVICE SUPPLIER

CERTIFICATE NO. SSU166322XT rev. 2

This is to certify that

**POYRAZ GEMI DONANIM DENETIM VE SERVIS
HIZM.TIC.LTD.STI.**

EVLIYA CELEBI MAH., AKGUL SOK. No 2/2
Tuzla TR TURKEY

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

- E - Servicing inflatable liferafts, inflatable lifejackets, hydrostatic release units, inflatable rescue boats, marine evacuation systems**
- N - Maintenance, thorough examination, operational testing, overhaul and repair of lifeboats and rescue boats, launching appliances and release gear**
- Z - Foam concentrate analysis and service**
- Z - Servicing of immersion suits**
- Z - Surveys, servicing and testing of lifting appliances**
- D - Inspection and maintenance of fire extinguishing equipment and systems**
- H - Inspection and maintenance of self-contained breathing apparatus**
- Z - Calibration and maintenance of fixed and portable gas detection equipment**
- Z - Inspection of accommodation ladders and gangway**

Date of the audit: **20 Oct 2022**

Issued in **ISTANBUL**

on **30 Nov 2022**

This Certificate is valid from the date of the audit until

19 Oct 2025

This certificate consists of this sheet plus an attachment.



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

Leonard KOROLUK

RINA Services S.p.A.



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ATTACHMENT TO CERTIFICATE NO. SSU166322XT rev. 2

VALIDITY CONDITIONS

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

- NINGBO JIANGDONG RUANSH - CRV Brand inflatable liferaft (CRVF-A, CRVF-Z, CRVF-D, CRVF-DZ, CRVF-K, CRVF-U, QJF-B)
- AKANA MARINE TECHNOLOGY
- SEAMAN - Inflatable liferafts (DFN-T 6, 10, 15, 16, 20, 25 & DFN-D 15, 16, 20, 25)
- SEAWOLF - Inflatable liferafts (ECE-T 6, 8, 10, 15, 16, 20, 25, 30, 35 & ECE-R 10 15, 25, 30, 50, 65, 100)
- UZEMIK CO. - Inflatable liferafts (PSN-MK, PSN-R, PSNY, GDK-A)
- YANTAI HUAYANG LIFESAVING EQUIPMENT MANUFACTURING CO.,LTD. - Inflatable liferafts - HYF/"HUAYANG"
- HYF-A; 6/8/10/12/15/16/20/25/30/35/36/37; HYA; 6/8/10/12/15/16/20/25/30/35
- HYF-D; 10/12/15/16/20/25 ; HY-D; 6/8/10/12/15/16/20/25
- HYF-U(I); 4/6/8/10/12 HYF-U(II); 4/6/8/10; HYF-Z; 6/10/12/15/16/20/25/30/35/37/50/65/100/100p/101/125
- HYF-K; 6/10/15/20/25/30/35/50/65/100

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.

General conditions for the approval



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- 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.

Leonard KOROLUK

RINA Services S.p.A.



Annex N

List of makes and types of equipment

Attached to Certificate No. SSU1663XT rev.2

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 & Make	MODEL/SERIES
ABAS	Single arm Slewing	KDE-series, MDE-series
ACEBI	Free fall secondary hydraulic A Frame	TPF-series
	Gravity single and twin fall outrigger	A-series, AF-series, PF-series
	Single arm Slewing	PFR-series, RRP-series, TPU-series
	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	TPF-series, TPU-series
	Twin Fall Gravity Pivoting / Luffing	SPG-series
	Twin Fall Gravity Rollertrack	GRA-series
	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	TPC-series
	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	TBE-series
	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	TR-series
	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	Partially enclosed lifeboat, twin fall	PELB-series
	Totally enclosed lifeboat, twin fall, tanker version	PELB-series, TELB-series
	Single arm Slewing	R18700-series
ACTA	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	BE-2-series
	Free fall secondary hydraulic A Frame	HSC-series
	Single arm Slewing	DC-series, DR-series, HSC-series, MOB-series
ALEXANDER RYAN	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	KNT-series
	Gravity single and twin fall outrigger	BH-series
	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	AIW-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
AMBAR MARINE	Rescue Boat, single fall	AM420-series
ARIM	Single arm Slewing	AREH-series, ARPV-series
	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	ARPV-series
	Twin Fall Gravity Pivoting / Luffing	AHA-series
AVON	Rescue Boat, single fall	RB-series, SR-series
BADA HEAVY IND. CO., LTD (EX.DAERYUCK MACHINERY)	Free fall secondary hydraulic A Frame	BDF-series, HDFL-series
	Gravity freefall primary	BDF-series
	Single arm Slewing	BDR-series, BLR-series
	Single Fall Rescue / Fast Rescue Boat AFrame Hydraulic	BDA-series, BDFA-series, BFRD-series



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	Single or Twin Fall Lifeboat Rescue Boat /Fast Rescue Boat Telescopic Hydraulic	BDTD-series, TT-series
	Twin Fall Gravity Pivoting / Luffing	BDH-series, BDMS-series, hinged gravity-series
	Twin Fall Gravity Rollertrack	BDTW-series
	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	BDH-series
	Devices For Activating Release: Central Release Unit	BD-LH-series
	Devices for activating release: Free Fall Hydraulic Primary and Secondary	BHA-series
	Freefall Hydraulic / mechanical	BHA-series
	Rescue boat / Davit Launched Liferaft /Lift over centre automatic	BHA-series
	Rescue boat offload lift over center	BHR-series
	Rescue boat offload w. Onload capability	BHR255-series
	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam /decent brake centrifugal pads	BDF-series, BLW-series, BMW-series, BRW-series
	Single Drum, hydraulic-lowering/hydraulic hoisting	HDF-series, PWD-series
	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	BA-series, BM-series, PWD-series, Electric Motor driven-series
	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal wpads	BDTW-series, BMW-series, BW-series, BWR-series
BALDEN	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	BLW-series
	Lifeboat on load lift not over centre, flat to flat rotating cams	BD-LBH-series
	Rescue boat / Davit Launched Liferaft / Lift over centre automatic	BDHR-series, BD-R01, BD-R02
	Totally enclosed lifeboat, freefall	BD-FFC-series, BD-FFT-series
	Totally enclosed lifeboat, twin fall, dry version	BD-LB-series
	Totally enclosed lifeboat, twin fall, tanker version	BD-LB-series
BC SERVICE	Rescue Boats	BD-R01, BD-R02
	Devices For Activating Release: Central Release Unit	U HOOK-series
	Devices For Activating Release: Hydrostatic Unit with Diaphragm	U HOOK-series
	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	U HOOK-series
BEIYANG BOATBUILDING CO.LTD	Rescue boat offload lift over center	U HOOK-series
	Totally enclosed lifeboat, twin fall, dry version	20 TECB-series
BIANCHI & CHECCHI	Gravity single and twin fall outrigger	PE-series, PET-series
	Partially enclosed lifeboat, twin fall	PE-series
BOPP TRUILS JEB	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	BDH-series
	Single Drum, hydraulic-lowering/hydraulic hoisting	BHP 4200-series
BROOKER	Totally enclosed lifeboat, single fall	CA-series
BUKH	In board	DV 24 RME-series
CASTOLDI S.R.L.	Rescue Boat, single fall	JET TENDER 18 RB-series
COASTAL MARINE EQUIPMENT, INC.	Single arm Slewing	D-series
CHANG SHENG	Rescue boat / Davit Launched Liferaft / Lift over centre automatic	35KN-series
CRANSTON EAGLE	Rescue boat / Davit Launched Liferaft / Lift over centre automatic	APR-356-CB/CBH-series
DAE JIN CO. LTD	Freefall Hydraulic / mechanical	THP-1B-series
DAELIM TECHNOL. (HYUNDAI)	Free Fall Secondary Hydraulic A Frame	FF-740-series



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DAFER (NARWHAL)	Fast Rescue Boat, single fall	FRB-series
	Rescue Boat, single fall	FRB 700-series, FRB 900-series, SV-series
DAVIT COMPANY	Gravity single and twin fall outrigger	FFFDA-series
	Single arm Slewing	SRR-series
	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
	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal wpads	24EPB-series
DAVIT INTERNATIONAL	Free fall secondary hydraulic A Frame	D-FH-series
	Gravity Freefall primary	D-TF-series
	Gravity single and twin fall outrigger	D-FO-series, D-FOS-series
	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
	Single Fall Rescue / Fast Rescue Boat AFrame Hydraulic	D-NP.FR-series, D-NPS.MP-series, D-NPS.SP-series, D-TT.SP.-series
	Single or Twin Fall Lifeboat Rescue Boat /Fast Rescue Boat Telescopic Hydraulic	D-FP.R-series, D-TT-series, DTT.SP-series
	Twin Fall Gravity Pivoting / Luffing	D-NP-series, D-NP.MP-series
	Twin Fall Gravity Rollertrack	D-RT-series
	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	D-NP-series, D-SP-series
	Rescue boat offload lift over center	OLH-series
	Rescue boat offload w. Onload capability	RH-series
	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam /decent brake centrifugal pads	01KN-series, 02KN-series, 03 KN-series, 04KN-series, 07KN-series
	Single Drum, hydraulic-lowering/hydraulic hoisting	06KN-series
	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal wpads	12-series, 40-series
DELTA	Rescue Boat, single fall	COMET-series, PHANTOM-series
DENIZSAN	Free fall secondary hydraulic A Frame	DSFDD-series, DSFFD50
	Single arm Slewing	DRBD-series, DRBLRD-series, DSRBD-series, DSRBH-series
	Single Fall Rescue / Fast Rescue Boat AFrame 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
	Twin Fall Gravity Pivoting / Luffing	DHGD-series
	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	HLW-series
	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	DSAD-series
	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam /decent brake centrifugal pads	DRBD-series, DRBLRW-series
DONGWOO MACHINERY & ENGINEERING CO.,	Single arm Slewing	DBD-series
	Twin Fall Gravity Pivoting / Luffing	DWS-series
	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat	DBD-series



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LTD.	/ static brake pad, cone, disk, band / decent brake centrifugal pads	
	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone / disk / pads / band / decent brake centrifugal wpads	LW-series
DSB DEUTSCHE SCHLAUCHBOOTE	Rescue Boat, single fall	IRB-series
DSB ENGINEERING CO LTD	Free fall secondary hydraulic A Frame	DSBDF-series
	Single arm Slewing	DSB23DR-series
	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	DSBARH-series, DSBDP-series,DSBDR-series
	Twin Fall Gravity Pivoting / Luffing	DSBDL-series, DSBDTL-series
	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	DSBDYL-series
	Partially enclosed lifeboat, twin fall	DSBP-series
	Rescue Boat, single fall	DSBRB-series, DSBRFA-series
	Totally enclosed lifeboat, freefall	DSBFC-series, DSBFF-series
	Totally enclosed lifeboat, twin fall, dry version	DSBC-series
	Totally enclosed lifeboat, twin fall, tanker version	DSBF-series
EO LIFESAVING	Single arm Slewing	CH-52-series
	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	W-series
FASSMER	Free fall secondary hydraulic A Frame	FFH-series
	Gravity Freefall primary	FLR-series
	Single arm Slewing	FSARR -series
	Twin Fall Hydraulic / Pivoting / Luffing	FPD-series
	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	FMPD-series
	Devices For Activating Release: Central Release Unit	DUPLEX < 6.6T-series, DUPLEX >6T-series
	Devices for activating release: Free Fall Hydraulic Primary and Secondary	FFH-series
	Devices For Activating Release: Hydrostatic Unit with Float	DUPLEX < 6.6T-series, DUPLEX >6T-series
	Freefall Hydraulic / mechanical	F-series
	Lifeboat on load lift not over centre, Curveto flat rotating cams	DUPLEX>6T-series
	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	DUPLEX<6.6T-series
	Partially enclosed lifeboat, twin fall	CL-P-series, PLL-series, PLT-series, SEL-series
	Rescue Boat, single fall	FRIR-series, RR-series
	Totally enclosed lifeboat, freefall	CFL-series, GAR-series, GAR-T- series
	Totally enclosed lifeboat, twin fall, dryversion	CL-series, CLR-series, CLX- series, GMR-series
	Totally enclosed lifeboat, twin fall, tanker version	CL-series, CLR-series, CLX- series, DRAGON-series, T-GMR-series
	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	DEW -series
	Single Drum, hydraulic-lowering/hydraulic hoisting	FFWH-series
	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes, multiple disks, hydraulically operated / decent brake hydraulic pump	FWD-series
FASSMER MARLAND	Free fall secondary hydraulic A Frame	FFH-series
	Rescue Boat, single fall	RR-series
	Totally enclosed lifeboat, freefall	CFL-C-series, CFL-T-series
	Totally enclosed lifeboat, twin fall, dry version	DRAGON C-series, HH-C-series



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	Totally enclosed lifeboat, twin fall, tanker version	DRAGON F-series, HH-T-series
	Single Drum, hydraulic-lowering/hydraulic hoisting	FFWH-series
FERRI	Rescue boat/Davit Launched Liferaft/Lift over centre automatic	1448 TN-series
GEPA	Rescue boat/Davit Launched Liferaft/Lift over centre automatic	G-K-series
	Fast Rescue Boat, single fall	G-FRB-series
	Partially enclosed lifeboat, twin fall	G-FYK-series
	Rescue Boat, single fall	G-RB-series
	Totally enclosed lifeboat, freefall	G-FFF-series
	Totally enclosed lifeboat, twin fall, dry version	G-FK-series
	Totally enclosed lifeboat, twin fall, tanker version	GFK-FP-series
GILBERT & SCHMALRIEDE. GMBH & CO.KG	Single arm Slewing	PJ-1385-series
	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
	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
	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	RHP-series, RHP.HC-series
	Twin Fall Gravity Pivoting / Luffing	GLP.FP-series, GLP.MP-series, GSP.FP-series, GSP.MP-series
	Twin Fall Gravity Pivoting / Luffing Gravity Lowering	GLP.FLH-series, GLP.FPH-series, GSP.FLH-series, GSP.FPH-series, RHL-series, RHP-series
	Twin Fall Gravity Rollertrack	GLP.RT-series, GSP.RT-series
	Lifeboat on load lift not over centre	HRL-series
	Rescue boat/Davit Launched Liferaft/Lift over centre automatic	HRL.26-series
	Rescue boat offload lift over center	HRN-series
	Rescue boat offload w. Onload capability	HR-series
	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
	Single Drum, hydraulic-lowering/hydraulic hoisting	W05HC-series, W08HC-series, WS-series
	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	Free fall secondary hydraulic A Frame	HFF-series
	Gravity single and twin fall outrigger	FOD-series
	Single arm Slewing	SAR-series
	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	RLC-series
	Twin Fall Gravity Pivoting / Luffing	SPG-series
	Twin Fall Gravity Rollertrack	GR-RTD-series
	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	GD-PD-series, HD-series
	Devices For Activating Release: Central Release Unit	NLH-series
	Devices For Activating Release: Electronic Sensor	NLH-series
	Lifeboat on load lift not over centre, up and down pins / collars	NLH-series
	Partially enclosed lifeboat, twin fall	PEL-series



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	Rescue Boat, single fall	RB-series
	Totally enclosed lifeboat, freefall	FFL-series
	Totally enclosed lifeboat, twin fall, dry version	TEL-series
	Totally enclosed lifeboat, twin fall, tanker version	TEL-FP-series
	Single Drum, hydraulic-lowering/hydraulic hoisting	HW-series
	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	CW-series, EW-series
GUNES DINAMIK TEKNOL. & MAKINA	Rescue Boat Davit / Single arm Slewing	All Type
GURDESAN	Free fall secondary hydraulic A Frame	GD-FFD-series
	Single arm Slewing	GD-KHK-series, GD-RRS-series
	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	GD-FLW-series
	Single Drum, hydraulic-lowering/hydraulic hoisting	GD-HC-A-series
HAEAN MACHINERY IND. CO. LTD.	Single arm Slewing	HED-PC-series, HHC-PC-series
	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	HMI-series
	Single Drum, hydraulic-lowering/hydraulic hoisting	HHD-PC-series
HANYOUNG ENTERPRISE	Single arm Slewing	RESCUE BOAT DAVIT-series
HARDING (UMOE SCHAT HARDING)	Free fall secondary hydraulic A Frame	FF-series
	Gravity freefall primary	FFB-series, LA-series
	Gravity single and twin fall outrigger	HD-FL-series, ORD-series
	Single arm Slewing	LAR-series, SAR-series, SPR-series, SRR-series
	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	SA-series
	Twin Fall Gravity Pivoting / Luffing	HD-SPG-series, HD-VIP-series, SPG(VL)-series
	Twin Fall Gravity Rollertrack	GRA-series, HD-RT-series
	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	SPD-series
	Devices for activating release: Free Fall Hydraulic Primary and Secondary	FFH-series
	Fast rescue boat offload / Manual or automatic	CAR-35F-series
	Freefall Hydraulic / mechanical	FFH-series
	Rescue boat offload w. Onload capability	RRH-series
	Partially enclosed lifeboat, twin fall	CTL-series, ML-series, MPC-series
	Rescue Boat, single fall	MOB 4.5A-series
	Totally enclosed lifeboat, freefall	FF-series
	Totally enclosed lifeboat, twin fall, dry version	MCF-series
	Totally enclosed lifeboat, twin fall, tanker version	MCB-series, MCM-series
	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	16 EBR-series
	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	HD-series, MW-series
	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes, multiple disks, hydraulically operated / decent brake hydraulic pump	CW-series, W-series
HARDING (UMOE)	Single arm Slewing	MOB-series



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SCHAT HARDING) (SCHAT DAVIT COMPANY) (PALFINGER)	Twin Fall Gravity Pivoting / Luffing	SPG(L)-series
	Twin Fall Gravity Rollertrack	NT-series, ND-series
	Free fall secondary hydraulic A Frame	LA-series
	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	LH3.5M2-series
	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
	Single Drum, hydraulic-lowering/hydraulic hoisting	EW-02-PL-series
	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	BE-series
HARDING (UMOE SCHAT HARDING) (PALFINGER)	Rescue boat/Davit Launched Liferaft/Lift over centre automatic	ARH 23-series
	Devices For Activating Release: Central Release Unit	LHR-series, LHR M2-series
	Devices for activating release: Free Fall Hydraulic Primary and Secondary	LHR-series, LHR M2-series
	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	LHR-series, LHR M2-series
	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes, multiple disks, hydraulically operated / decent brake hydraulic pump	W-series
HARDING (WATERCRAFT)	Twin Fall Gravity Rollertrack	WRG-series
	Partially enclosed lifeboat, twin fall	MOB-series, MOBAC-series, PELB-series, PERB-series
	Totally enclosed lifeboat, freefall	WFF-series
	Totally enclosed lifeboat, twin fall, tanker version	MK 1-series, MK 2-series, MK 3- series, MK 4-series, MK 5-series
	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	MW-series, NW-series
HARDING BOAT BUILDING (QINGDAO)	Totally enclosed lifeboat, twin fall, dry version	TECB-series
HATECKE (ERNST HATECKE)	Free fall secondary hydraulic A Frame	FFA-series
	Gravity freefall primary	FFB-series
	Gravity single and twin fall outrigger	GSP.O-series
	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	GSP.FP-series
	Devices For Activating Release: Central Release Unit	DUPLEX < 6T-series, DUPLEX >6T-series
	Devices for activating release: Free Fall Hydraulic Primary and Secondary	GFF-series
	Devices For Activating Release: Hydrostatic Unit with Float	DUPLEX < 6T-series, DUPLEX >6T-series
	Fast Rescue boat offload w. Onload capability	SIMPLEX 1.85-series
	Freefall Hydraulic / mechanical	GFF-series
	Lifeboat on load lift not over centre, Curve to flat rotating cams	DUPLEX>6T-series
	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	DUPLEX<6.6 T-series
	Rescue boat/Davit Launched Liferaft/Lift over centre automatic	RAFTI 2.5-series
	Rescue boat offload lift over center	SIMPLEX OFFLOAD-series
	Rescue boat offload w. Onload capability	SIMPLEX-series
	Partially enclosed lifeboat, twin fall	PEL-series, PL-series
	Rescue Boat, single fall	FRB-series, RB-series
	Totally enclosed lifeboat, freefall	GFF-series
	Totally enclosed lifeboat, twin fall, tanker version	GSL-series



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	Single Drum, hydraulic-lowering/hydraulic hoisting	FFA-series
HENRIKSEN	Fast rescue boat offload / Manual or automatic	HCH-series, HMK-series
HLB (HYUNDAI LIFEBOATS)	In board	HB29D1-series
	Devices For Activating Release: Central Release Unit	TALON MK 1-series, TALON MK 2-series
	Devices For Activating Release: Hydrostatic Unit With Diaphragm	TALON MK 1-series, TALON MK 2-series
	Lifeboat on load lift not over centre, flat to flat rotating cams	TALON MK 1-series
	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	TALON MK 2-series
	Fast Rescue Boat, single fall	HDFR-series
	Rescue Boat, single fall	HDR-series
	Totally enclosed lifeboat, freefall	HDFN-F-series, HDFN-T-series
	Totally enclosed lifeboat, twin fall, dry version	HDL-series, HLB-series, HT78-series
	Totally enclosed lifeboat, twin fall, tanker version	HDL-series, HLB-series
HOEI SENPAKU CO.,LTD	Devices For Activating Release: Central Release Unit	HS-series, HS 520 96-series, HS650 96-series
	Devices For Activating Release: Hydrostatic Unit with Diaphragm	HS-series, HS 520 96-series, HS650 96-series
	Lifeboat on load lift not over centre, Curve to flat rotating cams	HS520 96-series, HS650 96-series
	Lifeboat on load lift not over centre, flat to flat rotating cams	HS-series
	Lifeboat on load lift not over centre, up and down pins / collars	HS520 83-series, HS650 83-series
	Totally enclosed lifeboat, twin fall, dry version	HS-series
	Totally enclosed lifeboat, twin fall, tanker version	HS650F-series, HSF-series
HYDRALIFT	Single Drum, hydraulic-lowering/hydraulic	SP-series
HYUNDAI LIFEBOATS CO. LTD	Totally enclosed lifeboat, freefall hoisting	HDFL740F-series
IHI MARINE UNITED INC	Twin Fall Gravity Pivoting / Luffing	MUL-series
	Devices For Activating Release: Central Release Unit	JX-1-series
	Devices For Activating Release: Hydrostatic Unit with Diaphragm	JX-1-series
	Lifeboat on load lift not over centre, up and down pins / collars	JX-1-series
	Open lifeboat, twin fall	G-series
	Totally enclosed lifeboat, twin fall, dry version	GTC-series, GTC-C-series
	Totally enclosed lifeboat, twin fall, tanker version	GT-F-series, GTC-F-series, GTR- F-series
	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 (TSUJI)	Twin Fall Gravity Pivoting / Luffing	HD-series
	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	EB-series
IMT CO., LTD	Single arm Slewing	ILR-series
	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	ILR-W-series
JAPAN MARINE UNITED CORP.	Totally enclosed lifeboat, twin fall, dry version	GF-series
	Totally enclosed lifeboat, twin fall, tanker version	GTR-series
	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)	Free fall secondary hydraulic A Frame	JYF-series
	Gravity single and twin fall outrigger	JYP-series
	Single arm Slewing	JYRCA-series



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List of makes and types of equipment

XINJIANG F.R.P. CO.LTD)	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	JYR-series
	Twin Fall Gravity Pivoting / Luffing	JYL-series
	Twin Fall Gravity Rollertrack	JYGR-series
	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	JYHG-series
	Devices For Activating Release: Central Release Unit	JX-1-series, JX-1B-series, JXN-1B-series, JXN-1C-series
	Devices for activating release: Free Fall Hydraulic Primary and Secondary	JX-2-series
	Devices For Activating Release: Hydrostatic Unit with Diaphragm	JX-1-series, JX-1B-series, JXN-1B-series, JXN-1C-series
	Fast Rescue Boat Offload with On-Load Capability	JXN-3-series
	Freefall Hydraulic / mechanical	JX-2-series
	Lifeboat on load lift not over centre, up and down pins / collars	JX-1-series, JX-1B-series, JXN-1B-series, JXN-1C-series
	Rescue Boat, single fall	GJ-series, GJF-series, GZ-series
	Totally enclosed lifeboat, freefall	JY-FF-series, JY-FN-series, JYM-FF-series
	Totally enclosed lifeboat, twin fall, dry version	JY-QFN-series, JY-QFP-series
	Totally enclosed lifeboat, twin fall, tanker version	JY-QFN-series, JY-QFP-series
	Single drum Gravity lowering electric hoisting liferaft/rescue boat/static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	JYRZ-series
	Single Drum, hydraulic-lowering/hydraulic hoisting	FW-series
	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	JYW-series, JYWP-series
JIANGYIN NEPTUNE	Totally enclosed lifeboat, twin fall, dry version	NPT-C-series, SC-series
	Totally enclosed lifeboat, twin fall, tanker version	NPT-F-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Free fall secondary hydraulic A Frame	NPT-DF-series
	Gravity single and twin fall outrigger	NPT-DP-series, NPT-PL-series
	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	NPT BE-series, NPT-DR-series
	Twin Fall Gravity Pivoting / Luffing	NPT-DL-series, NPT-DP-series, NPT-DYL-series
	Single arm Slewing	NPT-DR-series
	Devices For Activating Release: Central Release Unit	NPT-50-series, NPT-HAN-series, NPT-HKC-series, PN-HKC-series, PNG-HCK-series
	Devices For Activating Release: Hydrostatic Unit with Float	NPT-50-series, NPT-HAN-series, NPT-HKC-series, PN-HKC-series
	Fast Rescue Boat Offload	NPT-HK-series
	Freefall Hydraulic / mechanical	NPT 70HKF-series
	Lifeboat on load lift not over centre, Curve to flat rotating cams	NPT-HK-series, NPT 50-series
	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	NPT-HKC-series, PN-HKC-series
	Rescue Boat Offload with On-Load Capability	NPT-HK25F-series
	Rescue boat/Davit Launched Liferaft/Lift over centre automatic	NPT-HK25F-series
	Partially enclosed lifeboat, twin fall	NPT-P-series, NPT-PT-series
	Rescue Boat, single fall	NPT-R-series, NPT-RA-series, NPT-RB-series, NPT-RFA-series
	Totally enclosed lifeboat, freefall	NPT-FA-series, NPT-FC-series, NPT-FCA-series, NPT-FF-series
	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	NPT-DW-series, NPT-DS-series



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	Single Drum, hydraulic-lowering/hydraulic hoisting	NPT-DF-series
	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	NPT-DW-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Free fall secondary hydraulic A Frame	JY-FH-series
	Gravity single and twin fall outrigger	JYPL-series
	Single arm Slewing	JYSA-series
	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	JY-LFR-series, JY-LRHE-series, JY-PLR-series
	Twin Fall Gravity Pivoting / Luffing	JYPL-series
	Twin Fall Gravity Rollertrack	JYHE-series
	Devices For Activating Release: Central Release Unit	HK-series, JX-1-series
	Devices For Activating Release: Hydrostatic Unit with Diaphragm	JX-1-series
	Fast Rescue Boat Offload with On-Load Capability	HK-series
	Freefall Hydraulic / mechanical	FHK-series
	Lifeboat on load lift not over centre, Curve to flat rotating cams	HK-series
	Lifeboat on load lift not over centre, up and down pins / collars	JX-1-series
	Open lifeboat, twin fall	JYK-series
	Partially enclosed lifeboat, twin fall	JYP-series
	Rescue Boat, single fall	JYDR-series, JYKR-series
	Totally enclosed lifeboat, freefall	JYCF-series, JYFF-series
	Totally enclosed lifeboat, twin fall, dry version	JYC-series, JYCA-series
	Totally enclosed lifeboat, twin fall, tanker version	JYF-series, JYFA-series
	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	JYD-series
JIANGYIN XINJIANG	Rescue Boat, single fall	GJ-series, GJ-B-series
	Totally enclosed lifeboat, freefall	JY-FN-series
JIANGYINSHI BEIHAI	Free fall secondary hydraulic A Frame	FA-series
	Gravity single and twin fall outrigger	PD-series
	Single arm Slewing	SA-series, SAC-series, SMR-series
	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	EHRD-series, FRH-series, SRH-series
	Twin Fall Gravity Pivoting / Luffing	BH-G-series, LA-series, LB-H-series
	Twin Fall Gravity Rollertrack	HB-H-series, RB-H-series
	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	BHGH-series
	Devices For Activating Release: CentralRelease Unit	JYB-HK-series
	Devices For Activating Release: Hydrostatic Unit with Diaphragm	JYB-HK-series
	Fast Rescue Boat Offload with On-Load Capability	JYB-HK-series
	Freefall Hydraulic / mechanical	JYB-HKF-series
	Lifeboat on load lift not over centre, Curve to flat rotating cams	JYB-HK-series
	Fast Rescue Boat, single fall	JYB-G-series, JYB-Q-series
	Open lifeboat, twin fall	JYB-K-series
	Partially enclosed lifeboat, twin fall	JYB-B-series
	Rescue Boat, single fall	JY-BR-series, JY-KR-series, SC-K-series, SC-KR-series
	Totally enclosed lifeboat, freefall	JYB-FC-series, JYB-FF-series
	Totally enclosed lifeboat, twin fall, dry version	JYB-C-series
	Totally enclosed lifeboat, twin fall, tanker version	JYB-F-series



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	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	YZ-series
	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	DS-series, DW-series, DZ-series, JYBW-series
JUNG-A-MARINE CO., LTD	Single arm Slewing	PCRLC-series
	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	PCRLC-series
KANG NAM. CORPORATION	Totally enclosed lifeboat, twin fall, dry version	GTB-series
KGW SCHWERINER MASCHINENBAU GMBH	Single arm Slewing	RB-series
MACGREGOR (TTS) (HYDRAMARINE)	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	A-TYPE-series, HLD-series, HMC-series, HMD-series, G-type
	Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	T-TYPE-series
	Single Drum, hydraulic-lowering/hydraulic hoisting	HMW-series
MADROCK	Devices For Activating Release: Central Release Unit	ROCLOC-series
	Devices For Activating Release: Hydrostatic Unit with Float	ROCLOC-series
	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	ROCLOC-series
MANSEI	Free fall secondary hydraulic A Frame	D-FH-series, FE-series, MFH-series
	Single arm Slewing	RD-series, SAR-series, SR-series
	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	HER-series
	Twin Fall Gravity Pivoting / Luffing	ABD-series, AH-series, AV- series, EH-series, EM-series, M- series
	Twin Fall Gravity Rollertrack	AT-series, GRA-series
	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	ERW-series, MLW-series, RMW- series, SW-series
	Single Drum, hydraulic-lowering/hydraulic hoisting	06KN-series, FW-series
	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
	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
	Rescue boat/Davit Launched Liferaft/Lift over centre automatic	RH -series, RH3-series
MARE SAFETY	Rescue Boat, single fall	RB-series
MARITIME PARTNERS	Fast Rescue Boat, single fall	ALUSAFE 1200 DC-series, ALUSAFE 700-series, ALUSAFE 770-series, ALUSAFE 900-series, SEA BEAR 23-series, WEEDO 17 SOLAS-series, WEEDO 600-series, WEEDO 700-series
MARITIME PARTNERS (HUKKELBORG BOATS)	Fast Rescue Boat, single fall	SPRINGER-series
MERCURY	Outboard	15P-series
MIURA MACHINE CO., LTD (MIURA VIDER) (MANSEI)	Twin Fall Gravity Pivoting / Luffing	MVD-series, SPG(VD)-series
	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	LBH-series, RBH-series
MULDER EN RIJKE	Totally enclosed lifeboat, single fall	TELB-S-series



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	Partially enclosed lifeboat, twin fall	PELB-series, PTL-series
	Totally enclosed lifeboat, twin fall, tanker version	TELB-series
NARWHAL	Outboard	NARWHAL / SV-420-series
	Rescue Boat, single fall	SV-series
NARWHAL (DAFER)	Fast Rescue Boat, single fall	SV-series
NAVIGATIONS	Single arm Slewing	1,1-series
NAVIM GROUP	Gravity single and twin fall outrigger	FDRB-series
	Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	SPDT-L-series, SPDT-R-series, SPDT-T-series
	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	SGHD- L-series, SPHD- T-series
NED-DECK MARINE (PALFINGER)	Gravity single and twin fall outrigger	FPG-series
	Single arm Slewing	SCH-series, SCM-series, SCT-series, SEC-series
	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	PFH-series, PRH-series, PRHE- series
	Twin Fall Gravity Pivoting / Luffing	PL -series
	Rescue boat / Davit Launched Lifter / Lift over centre automatic	CAR 35-series
	Rescue Boat, single fall	NMD 4.40 RESCUE-series
	Totally enclosed lifeboat, twin fall, tanker version	NPT-series, PN85F-series
	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	04-series
	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	HWCT-series
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone / disk / pads / band / decent brake centrifugal w pads	15-series
	Free fall secondary hydraulic A Frame	YZF-series
	Single arm Slewing	YZ-series, ZFDZ-series
	Twin Fall Gravity Pivoting / Luffing	L-series
	Devices For Activating Release: Central Release Unit	HK-series
	Lifeboat on load lift not over centre, Curve to flat rotating cams	HK-series
	Fast Rescue Boat, single fall	YZRA-series, YZRB-series
	Open lifeboat, twin fall	BJ-series
	Rescue Boat, single fall	BJ-series, YZ-series
	Totally enclosed lifeboat, freefall	YZFC-series, YZFF-series
	Totally enclosed lifeboat, twin fall, dry version	YZC-series
	Totally enclosed lifeboat, twin fall, tanker version	YZF-series
NINGBO NEW MARINE LIFESAVING EQUIPMENT CO. LTD	Gravity single and twin fall outrigger	NMPL-series
	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	NM-series, NMAR-series
	Totally enclosed lifeboat, twin fall, dry version	NM-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
	Devices for activating release: Free Fall Hydraulic Primary and Secondary	F-series, ML-series
	Devices For Activating Release: Hydrostatic Unit with Float	IHM 12-series, IHM 13-series, NS-series
	Freefall Hydraulic / mechanical	F-series, ML-series
	Lifeboat on load lift not over centre, Curve to flat rotating cams	NS-series, SR-3-series
	Lifeboat on load lift not over centre, up and down pins / collars	IHM 12-series, IHM 13-series
	Fast Rescue Boat, single fall	FRP-series
	Open lifeboat, twin fall	NF-series, NFA-series
	Partially enclosed lifeboat, twin fall	PML-series
	Totally enclosed lifeboat, freefall	FF-series
	Totally enclosed lifeboat, twin fall, dry version	CML-series, EML-series, G-TR- series



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	Totally enclosed lifeboat, twin fall, tanker version	CML-series, EML-series, G-FR- series
NMF	Single arm Slewing	BPK-series, KD.2 series
NOR DAVIT	Gravity single and twin fall outrigger	PL-series
	Twin Fall Gravity Pivoting / Luffing	SDP-series
	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone / disk / pads / band / decent brake centrifugal w pads	SP-series
NOREQ	Partially enclosed lifeboat, twin fall	LBP-series
NOREQ (PALFINGER)	Gravity single and twin fall outrigger	NRD-series
	Single arm Slewing	SCH-series, SCH-R-series, SCHD-series, SCM-L-series, SCM-R- series
	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	NPD-series
	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	NPD-series
	Fast Rescue Boat Offload with On-Load Capability	JXN-3-series
	Fast Rescue Boat, single fall	FRB-series
	Rescue Boat, single fall	RRB-series
	Totally enclosed lifeboat, freefall	LBF-series
	Totally enclosed lifeboat, twin fall, tanker version	LBT-series
	Single Drum, hydraulic-lowering/hydraulic hoisting	NW-series
NORMAR	Fast Rescue Boat, single fall	FRC-series
	Rescue Boat, single fall	RESCUE-series
	Totally enclosed lifeboat, freefall	JY-FF 4.9 TO 8.5C-series, JY-FF 4.9 TO 8.5T-series
NORSAFE	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	NDA-series
ONL	Totally enclosed lifeboat	ON-LBT1/ON-LBT2
	Totally enclosed lifeboat, freefall	ON-FFT21/FFC21
	Rescue Boat	ON-HB01, ON-RRB6
	On-Load Release Gear	ON-RH38/ON-RH1
OPTIMUN MARINE	Rescue boat / Davit Launched Lifteraft / Lift over centre automatic	31-37KN-series
ORIENTAL PRECISION	Free fall secondary hydraulic A Frame	FD-series
	Single arm Slewing	RD-series, SHS-series
	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	RD-series
	Twin Fall Gravity Pivoting / Luffing	DHA-series, DMA-series, HGD-series, HGK-series
	Twin Fall Gravity Rollertrack	RTD-series
	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	RDW-series
	Single Drum, hydraulic-lowering/hydraulic hoisting	WL-series
	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
ORIENTAL PRECISION-SEKIGAHARA	Free fall secondary hydraulic A Frame	SHS-series
OY FISKARS AB	Totally enclosed lifeboat, twin fall, dry version	TELB-series
	Totally enclosed lifeboat, twin fall, tanker version	TELB-series
PALFINGER	Free fall secondary hydraulic A Frame	NPT-DF-series
	Gravity freefall primary	FF-series
	Gravity single and twin fall outrigger	FPG-series
	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	SCH-R-series, SCM-L-series, SCM-R-series
	Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	NTD-series



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	Twin Fall Gravity Pivoting / Luffing	NPT-series, VIP-series
	Twin Fall Gravity Rollertrack	NPT-series
	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	NPD-series, PFH-series
	Devices For Activating Release: Central Release Unit	NADIRO D.I.B.SERIES-series
	Devices for activating release: Free Fall Hydraulic Primary and Secondary	FFH-series, NPT-series
	Fast rescue boat offload / Manual or automatic	CAR-35F-series
	Freefall Hydraulic / mechanical	FFH-series
	Rescue boat / Davit Launched Lifter / Lift over centre automatic	CAR 35-series
	Rescue boat offload w. Onload capability	RRH-series
	Fast Rescue Boat, single fall	FRSQ-series
	Partially enclosed lifeboat, twin fall	CTL-series, MPC-series, NPT-T- series
	Rescue Boat, single fall	RSQ-series
	Totally enclosed lifeboat, freefall	FF-series, NPT-FC-series, NPT-FF-series
	Totally enclosed lifeboat, twin fall, dry version	KISS-C-series, NPT-F-series
	Totally enclosed lifeboat, twin fall, tanker version	KISS-T-series, NPT-C-series
PELEGRINI MARINE EQUIPMENT	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes, multiple disks, hydraulically operated / decent brake hydraulic pump	CW-series, W-series
	Single arm Slewing	CHCD 2,507+RLC 2.1/4.5-series, RLC-series
	Twin Fall Gravity Pivoting / Luffing	GRA-series
	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	RLC-series
PESBO S.A	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone / disk / pads / band / decent brake centrifugal w pads	VAS 45 E-series
	Freefall Hydraulic / mechanical	BSL-series
	Totally enclosed lifeboat, freefall	BSL -series
PEWAG	Totally enclosed lifeboat, twin fall, dry version	BSC-series
	Rescue boat offload lift over center	HK-series, HSK-series, HSWI-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Free fall secondary hydraulic A Frame	BD-FF-series
	Gravity single and twin fall outrigger	BD-PL-series
	Single arm Slewing	BD- SA-series, BD-SH-series
	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	BD-AR-series
	Twin Fall Gravity Pivoting / Luffing	BD-PV-series
	Devices For Activating Release: Central Release Unit	BG-series
	Devices For Activating Release: Hydrostatic Unit with Diaphragm	BG-series
	Freefall Hydraulic / mechanical	BG-F-series
	Lifeboat on load lift not over centre, flat to flat rotating cams	BG-series
	Rescue boat offload w. Onload capability	BG-2R-series
	Fast Rescue Boat, single fall	BH-HR7-series, FRB-series
	Partially enclosed lifeboat, twin fall	BH10-series
	Rescue Boat, single fall	BH-R-series
	Totally enclosed lifeboat, freefall	BH-F-series
	Totally enclosed lifeboat, twin fall, dry version	BH-series
	Totally enclosed lifeboat, twin fall, tanker version	BH-series
	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	BW-SC-series
	Twin Drum, gravity-lowering/electrically hoisting w / static brake	BW-HL-series, BW-HR -series, BW-LL-



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	cone /disk / pads / band / decent brake centrifugal w pads	series
REDROCK	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	RDA-series
	Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	RDT-series
SEC (SHIPS EQUIPMENT CENTRE)	Free fall secondary hydraulic A Frame	HP2 -series
	Single arm Slewing	MS-series
	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	WL-series
SEKIGAHARA	Free fall secondary hydraulic A Frame	SF-series
	Single arm Slewing	SSS-series
	Twin Fall Gravity Pivoting / Luffing	SFA-series, SFB-series, SFP- series, SHS-series
	Twin Fall Gravity Rollertrack	AT-series, STS-series
	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	SNW-series, SWE-series
SERVO SHIP S.L	Rescue boat / Davit Launched Liferaft / Lift over centre automatic	200-series
	Free fall secondary hydraulic A Frame	FFR-20-series
	Single arm Slewing	PR4M1100HR-series
	Rescue boat / Davit Launched Liferaft / Lift over centre automatic	200-series
	Single Drum, hydraulic-lowering/hydraulic hoisting	FFRW 4500KG-series
SEZAMOR	Single arm Slewing	ZZ-ZOL-series, ZZ-ZOT-series
	Rescue boat / Davit Launched Liferaft / Lift over centre automatic	HS-series
	Rescue boat offload lift over center	HLR-series
SHANGHAI HENGYUAN MARINE EQUIPMENT CORP.	Free fall secondary hydraulic A Frame	FH-series
	Single arm Slewing	SAF-series
SHIGI SHIPBUILDING CO. LTD.	Devices For Activating Release: Central Release Unit	SRS-series, SZK30-series, SZK5- series
	Devices For Activating Release: Hydrostatic Unit with Float	SRS-series, SZK30-series, SZK5- series
	Lifeboat on load lift not over centre, flat to flat rotating cams	SRS-series
	Lifeboat on load lift not over centre, up and down pins/collars	SZK-25M-series, SZK30-series, SZK5-series
	Fast Rescue Boat, single fall	FRP-series
	Open lifeboat, twin fall	SZGM-series, SZGO-series
	Partially enclosed lifeboat, twin fall	SZP-series, SZPR-series
	Rescue Boat, single fall	SZRS-series, VOX46-series
	Totally enclosed lifeboat, freefall	FEL-series
	Totally enclosed lifeboat, twin fall, dry version	SZBR-series
	Totally enclosed lifeboat, twin fall, tanker version	SZTR-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
	Gravity freefall primary	PZ-series
	Fast Rescue Boat, single fall	FRB-series
	Rescue Boat, single fall	R-series, RIB-series
	Totally enclosed lifeboat, freefall	FFB-series
	Totally enclosed lifeboat, twin fall, dry version	Z-series
SURVITEC	Devices For Activating Release: Central Release Unit	SAFELAUNCH-series
	Devices For Activating Release: Hydrostatic Unit with Diaphragm	SAFELAUNCH-series
	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	SAFELAUNCH-series



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	Rescue boat / Davit Launched Liferaft / Lift over centre automatic	SLA 3.5-series
	Totally enclosed lifeboat, freefall	FF-series
	Totally enclosed lifeboat, twin fall, dry version	SC-series
	Totally enclosed lifeboat, twin fall, tanker version	SC-series
SURVIVAL SYSTEMS INT.	Gravity single and twin fall outrigger	PL-series
	Devices For Activating Release: Central Release Unit	SURESAFE-series, TRIPLE 5-series, TRIPLE 5 LX-series
	Lifeboat on load lift over centre	SURESAFE-series, TRIPLE 5-series, TRIPLE 5 LX-series
	Fast Rescue Boat, single fall	FRB-series
	Totally enclosed lifeboat, single fall	CA-series
	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	Free fall secondary hydraulic A Frame	55KN-series
	Single arm Slewing	21KN BOAT / RAFT DAVIT-series
	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	21KN-series
TMA	Single Drum, hydraulic-lowering hydraulic hoisting	TN/MW-series
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
	Rescue boat offload w. Onload capability	PX03-series
TSUNEISHI	Devices For Activating Release: Central Release Unit	43GS-1-series
	Devices For Activating Release: Hydrostatic Unit with Diaphragm	43GS-1-series
	Lifeboat on load lift not over centre, up and down pins / collars	43GS-1-series
	Totally enclosed lifeboat, twin fall, dry version	TL-TE-series
TSUNEISHI (KAMBARA RINGYO)	Totally enclosed lifeboat, twin fall, dry version	KL-TE-series
	Totally enclosed lifeboat, twin fall, tanker version	KL-FP-series
TSUNEISHI (SANYO WORKS)	Totally enclosed lifeboat, twin fall, dry version	TE-series
	Totally enclosed lifeboat, twin fall, tanker version	FP-series
TSUJI HEAVY INDUSTRIES	Single arm Slewing	RP-series
	Twin Fall Gravity Pivoting / Luffing	H-series
	Twin Fall Gravity Rollertrack	T83-series, TC-series
	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	TC-series
	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone / disk / pads / band / decent brake centrifugal w pads	EB-series
TTS (HYDRALIFT)	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	HL-series
	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	HL9D-series
ULSTEIN FAMA (FAMA GNIEW)	Single arm Slewing	ZO-series, ZT-series
	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	ER10B-series, ERM-series
VANGUARDE	Gravity single and twin fall outrigger	PL-series
	Single arm Slewing	HS-series, MS-series, VS-series
	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	DH-series, PR-series, PRH-series
	Twin Fall Gravity Pivoting / Luffing	LE-series, VL-series
	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	PFH-series, SRH-series
	Devices For Activating Release: Central Release Unit	C-SAFE-series, S-series
	Devices For Activating Release: Hydrostatic Unit with Diaphragm	C-SAFE-series, S-series



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	Lifeboat on load lift not over centre, Curve to flat rotating cams	C-SAFE-series, SH-series
	Fast Rescue Boat, single fall	VG-FRK-series, VG-FRW-series
	Rescue Boat, single fall	VG-DRS-series, VG-KR-series
	Totally enclosed lifeboat, twin fall, dry version	VG-C-series
	Totally enclosed lifeboat, twin fall, tanker version	VG-F-series, VG-HLB-series
VERHOEF	Free fall secondary hydraulic A Frame	FL-series
	Devices for activating release: Free Fall Hydraulic Primary and Secondary	TWISTLOCK-series
	Freefall Hydraulic / mechanical	TWISTLOCK-series
	Single Drum, hydraulic-lowering/hydraulic hoisting	FL 50-series
VESTDAVIT	Single arm Slewing	L-series
	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
	Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	TBD-series
VIKING (NADIRO)	Lifeboat on load lift over centre	DIB-series
VIKING (NORSAFE)	Gravity freefall primary	SW-series
	Gravity single and twin fall outrigger	A-series, C-series, D-series, NDC-series
	Single arm Slewing	NRC-R-series
	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	NDA-series, NRB-series
	Twin Fall Gravity Pivoting / Luffing	E-series
	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	LH-series
	Devices For Activating Release: CentralRelease Unit	NADIRO D.I.B-series, TOR MK 1-series, TOR MK 2-series
	Devices For Activating Release: Electronic Sensor	NADIRO D.I.B-series
	Devices for activating release: Free Fall Hydraulic Primary and Secondary	GES-series, HRS-series, NFFH-series
	Devices For Activating Release: Hydrostatic Unit with Diaphragm	TOR MK 1-series, TOR MK 2-series
	Fast Rescue boat offload	K4-series
	Freefall Hydraulic / mechanical	HRS-series, NFFH-series
	Lifeboat on load lift not over centre, flat to flat rotating cams	TOR MK 1-series, TOR MK 2-series
	Fast Rescue Boat, single fall	MAGNUM-series, MAKO-series, MERLIN-series
	Partially enclosed lifeboat, twin fall	MINIMA-series
	Rescue Boat, single fall	MAKO-series, MERLIN-series, MIDGET-series
	Totally enclosed lifeboat, freefall	JYN-series
	Totally enclosed lifeboat, twin fall, dry version	JYN-C-series, MAGGIE-C-series, MATILDA-C-series, MAUD-C-series, MAXIMA-C-series, MIRAM-C-series
	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)	Single arm Slewing	NDSC-series, NDSC-R-series
	Free fall secondary hydraulic A Frame	HD-series
	Rescue Boat, single fall	MATRIX-series
	Totally enclosed lifeboat, freefall	GES-series
	Single Drum, hydraulic-lowering/hydraulic hoisting	HYD-FF-series
VIKING NEUVISA	Fast Rescue Boat, single fall	RR-40-series
WATERCRAFT (WATERCRAFT)	Rescue Boat, single fall	4.9M-RB -series



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HELLAS)		
WATERMAN OY	Partially enclosed lifeboat, twin fall	365-series, 367-series, 391-series, 393-series
	Totally enclosed lifeboat, twin fall, tanker version	351-series, 366-series, 366HRL-series, 368-series, 371-series, 371HR-series, 377-series, 379-series
WELIN LAMBIE	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	5619-series, 9502-series, RBW-series
	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone / disk / pads / band / decent brake centrifugal w pads	53-series, 55-series, 97-series
	Single arm Slewing	LRW-series, SARBE-series
WHITTAKER	Totally enclosed lifeboat, single fall	CA-series
WILLIAM MILLS	Devices For Activating Release: Central Release Unit	TITAN-series
	Devices For Activating Release: Hydrostatic Unit with Diaphragm	TITAN-series
	Lifeboat Offload release lift over centre	EMPRESS-series
	Lifeboat on load lift not over centre, flat to flat rotating cams	TITAN-series
WUXI DONGWU	Free fall secondary hydraulic A Frame	F55-70-series, NPT100F-series
	Single arm Slewing	21 - 35KN-series, DCW210-series
	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	A30/H35-series
	Twin Fall Gravity Pivoting / Luffing	18KN-110KN-series
	Twin Fall Gravity Rollertrack	25KN -30KN-series
	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 HAIHONG BOAT MAKING CO., LTD	Single arm Slewing	23KN-series
	Open lifeboat, twin fall	BH-series, BJ-series
	Rescue Boat, single fall	JG-series
	Totally enclosed lifeboat, freefall	HH-FC-series, HH-FF-series
	Totally enclosed lifeboat, twin fall, dry version	HH-C-series, HH-CS-series
	Totally enclosed lifeboat, twin fall, tanker version	HH-T-series, HH-TS-series
WUXI HUAHAI	Gravity single and twin fall outrigger	PD-series
	Single arm Slewing	HMB-series
	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	HMDA-series
	Twin Fall Gravity Pivoting / Luffing	HMD-series
	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	HMW-series
WUXI MINGZI MACHINERY MANUF.	Rescue boat / Davit Launched Liferaft / Lift over centre automatic	25KN-series, 31-37 KN-series
	Rescue boat offload w. Onload capability	15KN-series
WUXI SHENGOU	Free fall secondary hydraulic A Frame	SMDF-series
	Single arm Slewing	SMC-series, SMD-series
	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	HMDA-series
	Twin Fall Gravity Pivoting / Luffing	SHMDL-series
	Twin Fall Gravity Rollertrack	SMD-series
WUXI WENJIAO	Fast Rescue Boat Offload with On-Load Capability	HK-series
	Fast Rescue Boat, single fall	WJ-RA-series, WJ-RB-series
	Open lifeboat, twin fall	BH-series, BJ-series, WJ-series
	Rescue Boat, single fall	WJ-series
	Totally enclosed lifeboat, freefall	WJFF-series, WJFFC-series
	Totally enclosed lifeboat, twin fall, dry version	WJBC-series



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	Totally enclosed lifeboat, twin fall, tanker version	WJBF-series
WUXI XINGSHENG	Rescue boat / Davit Launched Lifteraft / Lift over centre automatic	XS-series
	Rescue boat offload w. Onload capability	XS15-series
YAMAHA	In board	25 HP-series
YOUNGNAM MACHINERY CO. LTD	Twin Fall Gravity Pivoting / Luffing	YNBD-series
	Twin Drum, gravity-lowering/electrically hoisting w / static brake cone / disk / pads / band / decent brake centrifugal w pads	YNBW-series
ZHENJIANG DH MARINE EQUIPMENT CO. LTD	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	DW-series
ZHENJIANG HENGXIN SHIP EQUIPMENTS CO.,LTD	Rescue Boat, single fall	GJ-series
	Totally enclosed lifeboat, freefall	BCFC-series, BCFF-series, FL-C-series, FL-F-series
	Totally enclosed lifeboat, twin fall, dry version	BCF-series
	Totally enclosed lifeboat, twin fall, tanker version	BCC-series
ZHEJIANG TAIZHOU WANTONG MARINE MACHINERY CO LTD	Twin Fall Gravity Pivoting / Luffing	YSJ-series
ZHENJIANG JUST MARINE EQUIPMENT CO. LTD	Rescue Boat	ZJM40R, ZJM45R
	Fast Rescue Boat	ZJM618
	Lifeboat	ZJM50C, ZJM57C, ZJM65C, ZJM75C, ZJM75F
	Free Fall Lifeboat	ZJM59FC, ZJM59FF, ZJM66FC, ZJM66FF
	Davit	SA21, SA23, SA30, FR21, FR30, L40, L57, L67, L90, PA65, PA85, FH70, FH90
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Free fall secondary hydraulic A Frame	FH-series
	Gravity single and twin fall outrigger	PL-series
	Single arm Slewing	HDCL-series, SAFC-series, SAW30-series, ZF-series
	Twin Fall Gravity Pivoting / Luffing	L-series
	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	SRH-series
	In board	380J-3-series
	Fast Rescue boat offload w. Onload capability	HK40-series
	Lifeboat on load lift not over centre, Curve to flat rotating cams	HK-series
	Fast Rescue Boat, single fall	YH-FRB-series
	Rescue Boat, single fall	YH-FRA-series, YH-R-series
	Totally enclosed lifeboat, freefall	YH-series
	Totally enclosed lifeboat, twin fall, dry version	YH-QFP-series
	Totally enclosed lifeboat, twin fall, tanker version	YH-DR-series
	Single Drum, hydraulic-lowering/hydraulic hoisting	Saw30-series
	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	DP-series, DP-series
ZHENJIANG WEST MARINE EQUIPMENT CO., LTD	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	WME-LRH35-series
	Single Drum, hydraulic-lowering/hydraulic hoisting	WME-LRH35-series
ZODIAC (SURVITEC)	Fast Rescue Boat, single fall	RIB-series
	Rescue Boat, single fall	H472S-series, RIBO-series
ZODIAC HURRICANE	Rescue Boat, single fall	H561 PROLUXE-series
ZOLLERN	Single Drum, hydraulic-lowering/hydraulic hoisting	A2FM45-61A-series, ZPH-series, ZR-series