



RINA
Via Corsica, 12 - 16128 Genova
Tel. +39 010 53851
Fax +39 010 5351000

CERTIFICATE OF APPROVAL OF SERVICE SUPPLIER

CERTIFICATE NO. 2021/XN/577

This is to certify that

Del-Mar Safety BV

Albert Plesmanweg 95-97
Rotterdam NETHERLANDS

*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 - Surveys and maintenance of fire extinguishing equipment and systems**
- H - Surveys and maintenance of self-contained breathing apparatus**
- N - Servicing and maintenance of lifeboats, launching appliances, on-load release gear and davit-launched liferaft automatic release hooks**

Issued in Rotterdam on
08/06/2021

This Certificate is valid from the date of the initial audit until
18/05/2024

This certificate consists of this sheet plus an attachment



RINA
Jakub Penkowski Dahl

Jakub Penkowski Dahl





RINA
Via Corsica, 12 - 16128 Genova
Tel. +39 010 53851
Fax +39 010 5351000

**ATTACHMENT TO
CERTIFICATE NO. 2021/XN/577**
Page 1 of 1

VALIDITY CONDITIONS

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 following list of makes and types of equipment:

[refer to attached Del-Mar Lifeboat Davit Maker and Type List]

NOTE: For the purpose of application of IMO Resolution MSC.402(96)/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 certificates as equivalent to their authorization documents to the service suppliers, according to the IMO Resolution MSC.402(96)/Corr.1, this Certificate of Approval may be accepted in lieu of those Flag Administrations' authorization document, allowing the service supplier to provide the above mentioned services for each listed make and type of equipment.

INITIAL AND UNSCHEDULED AUDITS

Due date	Carried out on (dd/mm/yyyy)	Surveyor's signature	Surveyor's stamp
	18/05/2021		
<i>Unscheduled</i>			
<i>Unscheduled</i>			
<i>Unscheduled</i>			

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

Jakub Penkowski Dahl



SURVIVAL CRAFT

CSSC LUZHOU	Rescue Boat, Free fall life boat, fast rescue boat	YH 6.7-YH6.0
DSB Engineering CO	Rescue Boat, single fall	420 series;3,90 series IRB; RB;DSB;SR
	Totally enclosed lifeboat, twin fall, Tanker version	DSB
	Totally enclosed lifeboat, twin fall, Dry version	DSB
	Totally enclosed lifeboat, free fall	DSB
	Fast rescue boat, single fall	DSB
	Totally enclosed lifeboat, twin fall,	GFF;GSL RB;
	Rescue Boat, single fall	RB400; LB;GSL;
Ernst Hatecke	Totally enclosed lifeboat, twin fall, Tanker version	PL;GFF
	Totally enclosed lifeboat, free fall	GFF;FFB;FF;Ernst Hatecke F
	Totally enclosed lifeboat, twin fall,	GLS;GF;GSL;PEL;GFF;GSA
Ernst Hatecke GMBH	Fast rescue boat, single fall	R
	Partially enclosed lifeboat, twin fall	FRB
	Rescue Boat, single fall	Partially enclosed Types; PEL;PL
	Totally enclosed lifeboat, free fall	FRB;RB
Fassmer	Rescue Boat, single fall	GFF
	Totally enclosed lifeboat, free fall	RB;RR;MOB
	Totally enclosed lifeboat, twin fall, Tanker version	GAR;CFL;GMR;Dragon; CL;CLR;TGMR;CLR-T; CL-T
	Totally enclosed lifeboat, twin fall, Dry version	GMR;CFL;Dragon;CL; CLR;CLR-C;CL-C;GAR
FR. Fassmer GMBH	Totally enclosed lifeboat, free fall	GAR;CFL;GAR-T;CFL-C
	Fast rescue boat, single fall	FFB;CFL-C66E
	Partially enclosed lifeboat, twin fall	FRR;FR(I)B;FRB;RR
	Totally enclosed lifeboat, twin fall,	SEL;PL;CL-P;SEL-T;SEL-R
	Totally enclosed lifeboat, free fall	GMR
	Totally enclosed lifeboat, free fall	GAR
Gepa	Rescue Boat, single fall	G-FFF;G-FFF-FP
	Totally enclosed lifeboat, twin fall, Dry version	G-RB
	Totally enclosed lifeboat, twin fall, Tanker version	G-F3K;G-F4K;G-F6K; G-F3K-FP;G-F4K-FP;G-F6K-FP
	Partially enclosed lifeboat, twin fall	G-F3YK;G-F3YK-T;G-F4YK;G-F6YK
Greben Vela Luka Croatia	Open lifeboat, twin fall	G-F
	Fast rescue boat, single fall	G-FRB
	Totally enclosed lifeboat, free fall	FFL
	Rescue Boat, single fall	RB
	Rescue Boat, single fall	RB; BR
Greben	Totally enclosed lifeboat, free fall	FLL
	Rescue Boat, single fall	MOB;RRB
	Totally enclosed lifeboat, free fall	KISS 800
	Totally enclosed lifeboat, twin fall, Tanker version	MC;MCR
Harding	Totally enclosed lifeboat, twin fall, Dry version	MCM;M.C.B.C;M.C.B.R.C;LB T;
	Fast rescue boat, single fall	NPDS
	Totally enclosed lifeboat, twin fall,	MCM
Harding Watercraft	Open lifeboat, twin fall	MK IV
	Totally enclosed lifeboat, free fall	LB;FF
Harding Safety A/S	Rescue Boat, single fall	RRB
	Totally enclosed lifeboat, twin fall, Tanker version	MCB

HLB(ex-Hyundai Lifeboats)	Totally enclosed lifeboat, twin fall, Tanker version	HGD;HDFL;HD;HDL;HLB
	Totally enclosed lifeboat, twin fall, Dry version	HD;HDL;HLB; HDFL;HDF
	Totally enclosed lifeboat, free fall	HDFL; HDFN;
	Rescue Boat, single fall	FF;HDF HDR
	Fast rescue boat, single fall	HDF
	Totally enclosed lifeboat, twin fall,	R
Hyundai Lifeboats CO	Partially enclosed lifeboat, twin fall	HDL;HD HD
	Totally enclosed lifeboat, free fall	HDF
IHI Craft CO	Totally enclosed lifeboat, twin fall, Dry version	GTC
	Rescue Boat, single fall	MU-GJ
IHI Marine United CO	Totally enclosed lifeboat, free fall	MU-FF/FN
	Totally enclosed lifeboat, twin fall,	GTR
	Totally enclosed lifeboat, twin fall, Dry version	G;ML;F
Ishihara Dockyard CO	Totally enclosed lifeboat, twin fall, Tanker version	G;ML;F
	Totally enclosed lifeboat, free fall	G;ML;F
	Rescue Boat, single fall	G;ML;F
	Totally enclosed lifeboat, twin fall, Tanker version	GF;GTR;GTC
Japan Marine United Corp.	Totally enclosed lifeboat, twin fall, Dry version	GF;GTR;GTC;MU-FN
	Totally enclosed lifeboat, free fall	MU-FF
	Open lifeboat, twin fall	S;G
	Rescue Boat, single fall	MU-GJ
	Rescue Boat, single fall	GJ;FRP
Jiangsu Jiaoyan Marine Equipment	Totally enclosed lifeboat, free fall	GJ;JY-FN;JYM-FN;JY-FN;FW;JYN-FN;JY-FF; JYM-FF;SY-FN;FRP;JYM series;JY-FF
	Totally enclosed lifeboat, twin fall, Tanker version	JY-QFP;JY;JY-QFN;JY-QF; GJ;JY-FF;JY-QFN
	Totally enclosed lifeboat, twin fall, Dry version	JY;JN;JY-QF;JY-QFP
	Fast rescue boat, single fall	GJ series

	Totally enclosed lifeboat, twin fall,	JYM series;JY-QFP;JY-QFN; JY-FN;
Jiangyin Neptune/Marine Appliance	Totally enclosed lifeboat, twin fall, Dry version	NPT
	Totally enclosed lifeboat, twin fall,	NPT
	Totally enclosed lifeboat, twin fall, Tanker version	NPT
	Rescue Boat, single fall	NPT
	Totally enclosed lifeboat, free fall	NPT
Jiangyin Norsafe	Totally enclosed lifeboat, twin fall, Dry version	JYN;GES
	Totally enclosed lifeboat, free fall	GES;
	Rescue Boat, single fall	MATRIX;MIDGET
	Totally enclosed lifeboat, twin fall, Tanker version	JYN;GES
	Fast rescue boat, single fall	MERLIN;FRB
Jiangyin Wolong/FRP Boat CO	Partially enclosed lifeboat, twin fall	MATHILDA
	Totally enclosed lifeboat, free fall	JY, JY65F
	Totally enclosed lifeboat, twin fall, Dry version	JY
	Fast rescue boat, single fall	JY, JY65F
	Totally enclosed lifeboat, twin fall, Tanker version	JY
Jiangyin Xin Jiang FRP CO	Rescue Boat, single fall	JY
	Rescue Boat, single fall	GJ series
Jiangyinshi Beihai LSA CO	Rescue Boat, single fall	SC;LSA series SC45K
	Totally enclosed lifeboat, twin fall, Dry version	JYB
	Totally enclosed lifeboat, free fall	JYB;JYM
	Totally enclosed lifeboat, twin fall, Tanker version	JYB
MANSEI	Totally enclosed lifeboat, twin fall,	JYB
	Fast rescue boat, single fall	SZ-53 BR
Maritime Partner	Rescue Boat, single fall	SPRINGER series
	Fast rescue boat, single fall	WEEDO; MP; SEABEAR; SPRINGER; ALUSAFE
Maritime Partner AS	Fast rescue boat, single fall	Alusafe twin FRB MKII
Montmontaza Greben	Totally enclosed lifeboat, twin fall, Tanker version	TEL series
	Totally enclosed lifeboat, free fall	FFL;FFL-FP
	Rescue Boat, single fall	RB
Ningbo Asia FRP Boat Manufacturing CO	Rescue Boat, single fall	YZ
	Totally enclosed lifeboat, twin fall, Tanker version	YZ
	Totally enclosed lifeboat, twin fall, Dry version	YZ
	Totally enclosed lifeboat, free fall	YZ
Ningbo New Marine Lifesaving Equipment CO	Rescue Boat, single fall	NM
Nishi F CO	Totally enclosed lifeboat, twin fall, Tanker version	G; ML; F
	Totally enclosed lifeboat, twin fall, Dry version	G; ML; F
	Totally enclosed lifeboat, free fall	G; ML; F
	Rescue Boat, single fall	G; ML; F
	Totally enclosed lifeboat, twin fall,	CML
Nishi Nippon FRP Shipbuilding CO	Totally enclosed lifeboat, twin fall, Tanker version	G; ML; F
	Totally enclosed lifeboat, twin fall, Dry version	G; ML; F
	Totally enclosed lifeboat, free fall	G; ML; F
	Rescue Boat, single fall	G; ML; F
Noreq	Totally enclosed lifeboat, twin fall, Tanker version	LBF; LBT
	Rescue Boat, single fall	RRB
	Totally enclosed lifeboat, free fall	LBF
	Fast rescue boat, single fall	FRB
	Totally enclosed lifeboat, twin fall, Dry version	LBT; Miriam series
Normar	Totally enclosed lifeboat, twin fall,	TELB
	Fast rescue boat, single fall	FRC
	Totally enclosed lifeboat, twin fall, Tanker version	TELB; FF
	Rescue Boat, single fall	GRP; FRC ;4.25 Rescue;5.25 Rescue
Norsafe/AS	Totally enclosed lifeboat, free fall	JY-FF; FF;4.9T;5.8T
	Rescue Boat, single fall	Midget; Matrix NDC
	Totally enclosed lifeboat, twin fall,	JYN; GES; TELB;
	Totally enclosed lifeboat, twin fall, Tanker version	JYN; GES; Mathilda; Miriam; Maud; Maggie; Midget
	Totally enclosed lifeboat, free fall	GES; GLS; MK
	Fast rescue boat, single fall	Merlin; Mako; Magnum; Midget
	Totally enclosed lifeboat, twin fall, Dry version	Mathilda; JYN; Miriam; Maud; Maggie; Maxima; MKV
	Partially enclosed lifeboat, twin fall	Minima
OME	Open lifeboat, twin fall	JYN65F
	Open lifeboat, twin fall	Vulcan, T95C
Palfinger	Fast rescue boat, single fall	FRSQ series
	Totally enclosed lifeboat, twin fall, Tanker version	MCB
	Totally enclosed lifeboat, free fall	LBF
	Rescue Boat, single fall	RSQ; RRB
	Totally enclosed lifeboat, twin fall, Dry version	MCB
Palfinger Marine Service	Rescue Boat, single fall	Harding/MOB L series
Pesbo	Totally enclosed lifeboat, twin fall, Dry version	BSL
	Fast rescue boat, single fall	BR
	Totally enclosed lifeboat, twin fall, Tanker version	BSC
	Totally enclosed lifeboat, twin fall, Tanker version	BH;BH-F
	Totally enclosed lifeboat, twin fall, Dry version	BH-7B

Qingdao Beihai	Totally enclosed lifeboat, free fall	BH;BO;BH-F
	Partially enclosed lifeboat, twin fall	BH
	Rescue Boat, single fall	BH;BH-F;BH-R
	Fast rescue boat, single fall	BH-F6.0
SURVITEC GROUP	Totally enclosed lifeboat, twin fall,	BH
	Rescue Boat, single fall	HD 720I
Schat Harding	Totally enclosed lifeboat, twin fall, Tanker version	TECB;KISS;MCB
	Totally enclosed lifeboat, twin fall, Dry version	MCD;KISS;MCB
	Totally enclosed lifeboat, free fall	FF
	Rescue Boat, single fall	MOB
	Partially enclosed lifeboat, twin fall	MPC
	Fast rescue boat, single fall	FRB
	Totally enclosed lifeboat, twin fall,	MCB
Schat Watercraft (Palfinger)	Totally enclosed lifeboat, free fall	NS
Sekigahara Seisakusho LTD	Totally enclosed lifeboat, twin fall, Tanker version	SH;SFB;SHS;STS;SSS
	Totally enclosed lifeboat, twin fall, Dry version	SH;SFB;SHS;STS;SSS
	Totally enclosed lifeboat, free fall	SFS;SFA;SFB;SFC,SFD
	Rescue Boat, single fall	SJS;SJR
Shigi Shipbuilding CO	Totally enclosed lifeboat, twin fall, Tanker version	SZ; FEL; GARS
	Totally enclosed lifeboat, twin fall, Dry version	SZ; FEL; GARS
	Rescue Boat, single fall	SZ; VOX; BOX
	Open lifeboat, twin fall	Open series
	Totally enclosed lifeboat, free fall	SZ; FEL; GARS
Tsuneishi Facilities & Craft CO	Totally enclosed lifeboat, twin fall, Dry version	KL; TL-TE;TL-FP
	Totally enclosed lifeboat, twin fall, Tanker version	KL; TL-FP
VERHOEF	FF lifeboat	TEMPSC
Vanguard/(Nantong)	Totally enclosed lifeboat, free fall	VG
	Rescue Boat, single fall	VG
	Totally enclosed lifeboat, twin fall, Dry version	VG-FC
Viking	Rescue Boat, single fall	GRP; 470; RB; Midget;Narwhal; MOB; 420; 470GRP; Valiant
	Totally enclosed lifeboat, twin fall, Tanker version	MCB
	Partially enclosed lifeboat, twin fall	LB
Watercraft Hellas	Totally enclosed lifeboat, twin fall,	MKV
Watercraft International	Totally enclosed lifeboat, twin fall, Dry version	MK II
WHITTAKER	Totally enclosed lifeboat, free fall	CA 5001
Wuxi Haihong	Fast rescue boat, single fall	GJ
	Rescue Boat, single fall	GJ
	Totally enclosed lifeboat, twin fall, Tanker version	HH
	Totally enclosed lifeboat, twin fall, Dry version	HH
Zhenjiang Marine Auxiliary	Totally enclosed lifeboat, free fall	HH
	Rescue Boat, single fall	BH
	Totally enclosed lifeboat, free fall	GES-18

LAUNCHING APPLIANCES

Abas	Single Arm Slewing	KDE
	Gravity free fall primary	HSC
Acta	Single Arm Slewing	DR; NDA; MDE; MOB; HSC; DC;MOB;HYO electrically
	Gravity free fall primary	HSC
	Gravity Single & Twin Fall Outrigger	MOB luffing 0625
	Free fall hydraulic/el secondary	HTD
ACEBI	Gravity Single & Twin Fall Outrigger	SPG-20-I, RRP-76-RAD-01
ARIM MACHINERY	Hydraulic/el Pivoting & Luffing	ARPV, SKH series
Aukra Maritime	Hydraulic/el Pivoting & Luffing	HRT 3200
	Hydraulic/el Pivoting & Luffing	BDH;BDTD;BDHP;BDM
	Gravity Roller Track	BDTW;BDRW;BDH
	Gravity Single & Twin Fall Outrigger	BFOD;BDH;BDHP
	Free fall hydraulic/el secondary	HDFL;HDF;BDF
	Single Arm Slewing	BDR;BDL;BHI
Bada Heavy Ind.	A-frame hydraulic / single arm / Telescopic	BDA;BDFA
	Single Arm Slewing	MOB;FM
	Hydraulic/el Pivoting & Luffing	NDP
	Gravity Roller Track	gravity quadrant;AMS
David International	Gravity Single & Twin Fall Outrigger	D-HP;D-NP;D-FO
	Hydraulic/el Pivoting & Luffing	D-CRC;D-CRM;D-BR;D-NPS
	Free fall hydraulic/el secondary	D-FH;D-HF;D-FN;D-FH60
	Gravity free fall primary	D-FS
	A-frame hydraulic / single arm / Telescopic	D-CRRC
	Single Arm Slewing	D-CR;D-CRMR;D-CRM;D-RC;D-RF;D-RT;D-FG;D-F;D-BC;D-;D-CRC;D-;D-FH;RH20; D-CRM-R;D-RCS; D-BR;D-BC.R
	Gravity Roller Track	D-RT
Davit International GmbH	Free fall hydraulic/el secondary	D-FH
Dongnam Marine	Single Arm Slewing	D-SAD;DR;DSAD;DRBD; DNRD
	Gravity Single & Twin Fall Outrigger	HF36-HF38
	Hydraulic/el Pivoting & Luffing	DCPV;DSAD;DHGD;DHG;Hinged davit;DLWB

Dongwoo Machine Engineering	Gravity Single & Twin Fall Outrigger	DBD;DBS;hinged gravity davit;
	Hydraulic/el Pivoting & Luffing	DWS;hinged gravity
	Single Arm Slewing	life rafts
Effer	Single Arm Slewing	65000-SSL
Ernst Hatecke	Free fall hydraulic/el secondary	FFA;FFD;FFB;GFF;
	Gravity free fall primary	FFB;FFA
	Gravity Single & Twin Fall Outrigger	GSPFP;GSP
	Single Arm Slewing	RHS.L
	Gravity Roller Track	free fall ramp;GSPFP
	Hydraulic/el Pivoting & Luffing	GSP;GSPFP
Fassmer	A-frame hydraulic / single arm / Telescopic	DFR
	Free fall hydraulic/el secondary	FFH;FFB
	Hydraulic/el Pivoting & Luffing	FSARR;FMPD;FHD;FPD
	Single Arm Slewing	FSAR;FSARR
	A-frame hydraulic / single arm / Telescopic	FOD;FFH
	Gravity free fall primary	FLR;FFH
Ferri	Gravity Single & Twin Fall Outrigger	FOD
	Single Arm Slewing	1872, SB0121C
Global Davit	Single Arm Slewing	RHS;RMS;RHD;RMD; LMS: LHS;RHS.HC;FHS; RHP;RHT;RSP;RHS.L; RMS.L;Glp.MP.170
	Hydraulic/el Pivoting & Luffing	RHP;GSP;GLP
	Free fall hydraulic/el secondary	RHS
	A-frame hydraulic / single arm / Telescopic	FHS; RHP; RSP; HC;
	Gravity Single & Twin Fall Outrigger	LGP
	Single Arm Slewing	RHS
Greben Vela Luka	Single Arm Slewing	PH
Gurdesan	Free fall hydraulic/el secondary	GD FFD; GD-FF;NFFH;GD- FFD; GD-FFD; GD KV
	Single Arm Slewing	GD-KHK; GD-RRS
	Gravity free fall primary	GD-FFD; GD-SK;
Harding	Free fall hydraulic/el secondary	LA
	Single Arm Slewing	SRR; FR
	Gravity Single & Twin Fall Outrigger	VIP
	Hydraulic/el Pivoting & Luffing	SPR;NPD;NPDS
Harding Bjarke	A-frame hydraulic / single arm / Telescopic	NPDS
	Gravity Single & Twin Fall Outrigger	M.S
Harding Safety A/S	Gravity Single & Twin Fall Outrigger	FL
	Single Arm Slewing	FR.CR.L.SP
Harding Watercraft	Gravity Single & Twin Fall Outrigger	VIP
Hydrakraft	Free fall hydraulic/el secondary	HRT
Hydralift	Single Arm Slewing	HL6D; HL
	A-frame hydraulic / single arm / Telescopic	HL
	Hydraulic/el Pivoting & Luffing	HL
Hydra marine	A-frame hydraulic / single arm / Telescopic	HMC;HOM
Hydramaskin	Single Arm Slewing	HMD-A Davit
IHI	Free fall hydraulic/el secondary	SH40, SC033
IKNOW Machinery CO	Hydraulic/el Pivoting & Luffing	H;TC;
	Gravity Roller Track	T
Ishihara	Hydraulic/el Pivoting & Luffing	MVD
	Hydraulic/el Pivoting & Luffing	MUL
Japan Marine United Corp	Free fall hydraulic/el secondary	MUF
	Single Arm Slewing	MUR
Jiangsu Jiaoyan Marine Equipment	Free fall hydraulic/el secondary	JYF 105;JY;JYM
	Gravity free fall primary	JY; FW;JYRC;JYR; JYF;FN
	Single Arm Slewing	JY;JYR
	Hydraulic/el Pivoting & Luffing	JY;JY-HG
	Gravity Single & Twin Fall Outrigger	JYL
	A-frame hydraulic / single arm / Telescopic	JYH
Jiangyinshi Beihai LSA CO	Free fall hydraulic/el secondary	JYB;SM;FA
	Hydraulic/el Pivoting & Luffing	Gravity Luffing Arm Type Davit, BHGH 170
	Single Arm Slewing	SINGLE ARM RESCUE BOAT/RAFT DAVIT
Jiangyin Neptune	Single Arm Slewing	NPT-OR
	Free fall hydraulic/el secondary	NPT;NPT-OF
Jiangyin Neptune Marine Appliance	Hydraulic/el Pivoting & Luffing	NPT-OL
	Gravity Single & Twin Fall Outrigger	NPT
	Single Arm Slewing	OR;NPT
Jiangyin Norsafe	Free fall hydraulic/el secondary	NPT
	Free fall hydraulic/el secondary	HD
	Gravity free fall primary	FRP
	Hydraulic/el Pivoting & Luffing	NOSC
Jiangyin Wolong FRP Boat CO.	Single Arm Slewing	NOSC;MOB
	Single Arm Slewing	LH
	A-frame hydraulic / single arm / Telescopic	JYPL-110
	Free fall hydraulic/el secondary	JY-FF;JY-CF;JY;JY-FH55
Jiangyin Xinjiang	Hydraulic/el Pivoting & Luffing	TPC
	Gravity Roller Track	JYL
	Free fall hydraulic/el secondary	JYF
Jiangyin Xinjiang	Single Arm Slewing	JYR;JYFR

Macgregor	A-frame hydraulic / single arm / Telescopic	HMD
	Single Arm Slewing	A34 MKII
	Hydraulic/el Pivoting & Luffing	HMD
Mansei Industry CO	Hydraulic/el Pivoting & Luffing	M; EH; E; N
	Gravity free fall primary	gravity series
	Gravity Roller Track	N; M; EH; N; Gravity hinged type M
	Gravity Single & Twin Fall Outtrigger	M; EH
	Single Arm Slewing	SR; S; R; N; N
Miura Machine CO	Free fall hydraulic/el secondary	DH; D-FH; M-FH; N; N
Miura Vider	Hydraulic/el Pivoting & Luffing	MV
Montmontaza Greben	Gravity Single & Twin Fall Outtrigger	MVD
	Gravity Roller Track	SPG
	Free fall hydraulic/el secondary	FFL; HW
	Gravity Single & Twin Fall Outtrigger	RC
Navalimpianti	A-frame hydraulic / single arm / Telescopic	HFF;SPG(GA)
	Single Arm Slewing	EW; RID; RLC;PHA;HPRLC
	Hydraulic/el Pivoting & Luffing	GDMP
Ned Deck Marine	Gravity Single & Twin Fall Outtrigger	GDET; NPS
	Hydraulic/el Pivoting & Luffing	PRH; SCM
	Single Arm Slewing	SCM; SCH; SCT; MS; SCHD; HS; RTD;
Ningbo Asia FRP Boat Manufacturing CO	Free fall hydraulic/el secondary	FFH
	A-frame hydraulic / single arm / Telescopic	PRH
	Hydraulic/el Pivoting & Luffing	L;YZL;LE
Ningbo Kairong	Single Arm Slewing	ZF;DZ;B
	Free fall hydraulic/el secondary	FFD; HW
Ningbo New Marine Life Saving equipment	Single Arm Slewing	C series
	Free fall hydraulic/el secondary	NMD series
NMF	Single Arm Slewing	BPK;KD;F
	Free fall hydraulic/el secondary	BPK3
NMN	Single Arm Slewing	NMN
	Hydraulic/el Pivoting & Luffing	SSP
Nor Davit	Gravity Single & Twin Fall Outtrigger	E21
	A-frame hydraulic / single arm / Telescopic	SDP-6
Noreq	Hydraulic/el Pivoting & Luffing	NPD;NDP;LBT
	Free fall hydraulic/el secondary	HD;FFA;FF
Norsafe	Single Arm Slewing	NDSC;SAFC;SAF;NDSC-R;NRC
	A-frame hydraulic / single arm / Telescopic	NDA
	Hydraulic/el Pivoting & Luffing	TOR MK2
Norsafe Rescue	A-frame hydraulic / single arm / Telescopic	NDA
	Single Arm Slewing	T95C
OME	Free fall hydraulic/el secondary	KRAB
	Free fall hydraulic/el secondary	FD
Oriental Precision & Engineering CO	Single Arm Slewing	RD;RTD
	Hydraulic/el Pivoting & Luffing	HGD;SHS;RTD;SWE;DMA;DHA;RD;RDW
	Gravity Roller Track	RTD;HGD HGD;SHS
	Gravity Single & Twin Fall Outtrigger	HGK;RTD; DHA;DMA
	Gravity free fall primary	WL
Palfinger	Gravity free fall primary	FF
	Hydraulic/el Pivoting & Luffing	PRM;PRH;PFH
	A-frame hydraulic / single arm / Telescopic	NPDS
Palfinger Ned-Deck BV	Single Arm Slewing	SCM;SCHD
	Free fall hydraulic/el secondary	FFH
Qingdao Beihai	Gravity Single & Twin Fall Outtrigger	BD
	Hydraulic/el Pivoting & Luffing	BD
	Gravity free fall primary	BD
	Free fall hydraulic/el secondary	BD;BH
	Single Arm Slewing	BD;SA
Red Rock	A-frame hydraulic / single arm / Telescopic	RDA
Schat Company	Single Arm Slewing	MOB;PAR
Schat Davit	Single Arm Slewing	Manual series
	Gravity Single & Twin Fall Outtrigger	FME
	Gravity Roller Track	SPR;FFLS
	Free fall hydraulic/el secondary	FF
	Gravity free fall primary	FF
Schat Davit Company	Single Arm Slewing	SRR;MOB;PAR; SPR
	Hydraulic/el Pivoting & Luffing	BE
	Gravity free fall primary	FF; UZ;HD
Schat Harding	Free fall hydraulic/el secondary	SA;TME;FF; LA;RSD
	Hydraulic/el Pivoting & Luffing	SPG;RSD;VIP; NPD;SPG lifeboat davit;VIP8
	Single Arm Slewing	SPR;SSR;SRR;RSD; SPMOB;PAR;E
	Gravity Single & Twin Fall Outtrigger	VIP;GSP;PAR15;SPR
	Gravity Roller Track	NT;SPG lifeboat Davit
	A-frame hydraulic / single arm / Telescopic	NPDS
Schat Harding Company (Palfinger)	Free fall hydraulic/el secondary	FF;FFB
	Single Arm Slewing	LB
	Hydraulic/el Pivoting & Luffing	SH;SFB;SHS;STS;SSS
	Free fall hydraulic/el secondary	SFS;SFA;SFC;SFD

Sekigahara Seisakusho LTD	Single Arm Slewing	SJS;SJR;S
	Gravity Single & Twin Fall Outrigger	SHS;SHN
	Gravity free fall primary	SHS
Sezamor	Hydraulic/el Pivoting & Luffing	ZOK;ZZ-ZU;ZZ-ZU2
	Single Arm Slewing	ZOL;ZZ;ZZ-ZOT;ZZ-ZOL; ZZ-ZOLT
Shigi	Gravity Single & Twin Fall Outrigger	MFH-S600
Sheyang Saifute	Single Arm Slewing	14KN;21KN
	Hydraulic/el Pivoting & Luffing	N/A
	Free fall hydraulic/el secondary	55KN
Sormec	Single Arm Slewing	M330
	Gravity Roller Track	N/A
Tsuji Heavy Industries	Hydraulic/el. Pivoting & luffing	H;EB
TTS	A-frame hydraulic / single arm / Telescopic	HL;HP
	Single Arm Slewing	HL
TTS Marine Cranes AS	A-frame hydraulic / single arm / Telescopic	HL9DP
Vest Davit	A-frame hydraulic / single arm / Telescopic	PLR;C;PL;PLRS;
	Gravity Single & Twin Fall Outrigger	TDB
Vest Davit AS	A-frame hydraulic / single arm / Telescopic	PL;PAPH
Viking Norsafe	Single Arm Slewing	NRC
	Hydraulic/el Pivoting & Luffing	NRC
Wuxi Dongwu Marine	Hydraulic/el. Pivoting & luffing	50KN;60KN
	Free Fall hydraulic/electric secondary	F55;F70
Wuxi Haidelong Marine	Single Arm Slewing	SA series
Wuxi Huahai Marine Equip.	Single Arm Slewing	HMCD;HMD;HM
	Hydraulic/el. Pivoting & luffing	HMD
Yancheng	Single Arm Slewing	18 KN
Young Nam Machinery CO	Gravity Roller Track	YNBD
	Hydraulic/el Pivoting & Luffing	YNHD;YNBD
Zhengjiang Marine Auxiliary Machinery Work	Hydraulic/el Pivoting & Luffing	LE;SAFC;SAF;SAPC;GL
	Free fall hydraulic/el secondary	FH;F;FR
	Gravity Single & Twin Fall Outrigger	LE;HDC;HDCL;PL
	Gravity free fall primary	FW
	A-frame hydraulic / single arm / Telescopic	SHA;LFR;PR
	Single Arm Slewing	SAFC;SA;SH;SAF;HDCL
Gravity Roller Track	HE;RE;Gravity type Davit	

WINCHES

Abas	Single drum/gravity lowering/Hydraulic hoisting	MDE
	Single drum/gravity lowering/electric. Hoisting w/holding static brakes with Friction pads.	KMER
Acta	Single drum	KMER
	Single drum/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	KMER; Single arm
	Twin drums	Twin drum series
ACEBI	Single drum/gravity lowering/Hydraulic hoisting	SPG-20-I; RRP-76-RAD-01
Bada Heavy Industry Co	Single drum/gravity lowering/electric. Hoisting w/holding static brakes with Friction pads.	BAW; BDF; BLW; BMW; BRW
	Twin drums/gravity lowering/electric. Hoisting w/holding static brakes with Mechanically operated multiple disks Friction pads	BWL; BWR
	Single drum	FHW; PWD
	Twin drums/gravity lowering/electric. Hoisting w/holding static brakes with Friction pads	BWL
Davit Company	Twin drums/gravity lowering/electric. Hoisting w/holding static brakes with Friction pads	FB
	Twin drums	FB; Gravity type series
	Single drum	FM
	Twin drums/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	Gravity lowering series; AR/V/E series
Davit International	Single drum/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	Electric driven series; Manual series
	Twin drums/gravity lowering/electric. Hoisting w/holding static brakes with Friction pads	03.07.02 series
	Single drum/gravity lowering/Hydraulic hoisting	06.17.01; 02.09.15;06.05.02 series
	Single drum	D-FH; 03.04.04; 06.05.11;06.21.01; 02.11.02;02.13.05; 04.10.05 series;Single drum series
	Twin drums/gravity lowering/electric. Hoisting w/holding static brakes with Mechanically operated multiple disks Friction pads	D-CRC series
	Single drum/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	04.23.02; 06.05.02; 02.09.15;06.05.11; 03.0404;D-CRM; D-BC; 04.17.02
Davit International GMBH	Twin drums	D-FH
	Single drum/gravity lowering/Hydraulic hoisting	D-FH
Davit International GMBH	Single drum/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	03.03.02 series

Dongnam Marine	Twin drums/gravity lowering/electric. Hoisting w/holding static brakes with Mechanically operated multiple disks Friction pads	DHGD; HGW; DLBW, HF38
	Single drum/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	DSAD; DRLD; LHRD; DRDB; DSND
	Single drum/gravity lowering/electric. Hoisting w/holding static brakes with Friction pads.	DRLD
Dongwoo Machinery & Engineering CO	Twin drums/gravity lowering/electric. Hoisting w/holding static brakes with Friction pads	DBS; DWS; LW; RW
	Twin drums/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	DWS; DWS-10A;electric driven series
	Single drum/gravity lowering/Hydraulic hoisting	Manual series
Ernst Hatecke	Single drum/gravity lowering/Hydraulic hoisting	BBK
	Single drum	FFA
	Twin drums/gravity lowering/Hydraulic hoisting	FFA
Fassmer	Single drum	DEW--FOD80, FPD80, FHD80, FHD175, FSAR 14, FSAR 21
	Twin drums	DEW; Hydraulic series
	Twin drums/gravity lowering/electric. Hoisting/hydraulic pump lowering brakes	DEW
	Single drum/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	FSARR
Ferri	Single drum	MMI series
Global Davit	Single drum/gravity lowering/electric. Hoisting w/holding static brakes with Friction pads.	W02; W04; W07; W08;RMS.L; single drum gravity series
	Single drum/gravity lowering/Hydraulic hoisting	FHS.S
	Single drum	RMS; FHS.S; RMS.L;Rescue Boat winch series
	Twin drums/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	Lifeboat winch series
Greiben	Single drum/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	Global series; W02; O2E; RMS.L; RHS.L;single drum series
	Twin drums	EW; HW SAR
	Single drum	SAR
Gurdesan	Single drum/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	EW 2; SAR
	Single drum/gravity lowering/Hydraulic hoisting	KHK; GD-RRS; Davit winch series
	Twin drums/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	GD-FLW; winch series; single drum series; Free Fall hydraulic Series
	Single drum/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	GD-FLW
	Twin drums	GD-PR; GD-RRS
	Twin drums/gravity lowering/electric. Hoisting w/holding static brakes/Multiple disks hydraulically operated	GD
	Twin drums/gravity lowering/Hydraulic hoisting	Electric driven series
Harding	Single drum/gravity lowering/Hydraulic hoisting	Electro-hydraulic series winch series
Harding Safety A/S	Single drum/gravity lowering/electric. Hoisting w/holding static brakes with Friction pads.	EW8PL HS
	Twin drums/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	EWO2 PL
HLB (ex-Hyundai lifeboats)	Single drum/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	LWO;
	Single drum/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	BA; BM; BW; BL
IHI	Single drum/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	BR
	Single drum	MUW 42
Hydralift	Single drum/gravity lowering/Hydraulic hoisting	HL
	Single drum/gravity lowering/Hydraulic hoisting	SP7-V-2174-2A2 series;3622 series
Hydraulik & Maschinenbau	Single drum/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	B series
Hyundai Lifeboats CO	Single drum/gravity lowering/Hydraulic hoisting	HDF
	Single drum	Free fall hydraulic series
	Twin drums	ZHP
INI Hydraulic	Twin drums/gravity lowering/electric. Hoisting w/holding static brakes/Multiple disks hydraulically operated	Ini hydraulic winch series
	Single drum/gravity lowering/Hydraulic hoisting	JYFW27 series
	Twin drums/gravity lowering/electric. Hoisting w/holding static brakes with Mechanically operated multiple disks Friction pads	JYW; JYWN

Jiangsu Jiaoyan Marine Equipment CO	Single drum	JYZ; Electro-hydraulic Series; JYR; JYF; FW; Single drum series; N/A series; RZ
	Single drum/gravity lowering/Hydraulic hoisting	hydraulic series; FW; single drum series; JYZ
	Single drum/gravity lowering/electric. Hoisting w/holding static brakes with Friction pads.	JYR; JY; JYZ
	Single drum/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	JY series
Jiangyinshi Beihai LSA CO	Single drum/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	JYB;SM;FA; BHGH170
Jiangyin Neptune Marine Appliance CO	Twin drums/gravity lowering/electric. Hoisting w/holding static brakes with Mechanically operated multiple disks Friction pads	NPT-DW series
	Single drum/gravity lowering/Hydraulic hoisting	NPT
	Single drum	Single drum series
Jiangyin Norsafe	Single drum/gravity lowering/Hydraulic hoisting	FHD
Jiangyin Xinjiang	Single drum/gravity lowering/Hydraulic hoisting	JYW70
MacGregor	Single drum/gravity lowering/Hydraulic hoisting	Mac series
Mansei Industry CO	Single drum	M; MW; single drum Series
	Twin drums	M; EH; MW; SW
	Twin drums/gravity lowering/electric. Hoisting w/holding static brakes with Mechanically operated multiple disks Friction pads	EW; MW;SW; N EH; EELF
	Twin drums/gravity lowering/electric. Hoisting w/holding static brakes with Friction pads	M-7S
	Single drum/gravity lowering/Hydraulic hoisting	Single drum series
	Twin drums/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	MW; N-716
	Single drum/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	N-995
Montmontaza Greben	Single drum/gravity lowering/Hydraulic hoisting	Brevini series
MIURA		RBH-LBH
Navalimpianti &Technimpianti	Twin drums/gravity lowering/electric. Hoisting w/holding static brakes with Mechanically operated multiple disks Friction pads	EW; REW; RBEW; RMW
	Twin drums/gravity lowering/electric. Hoisting w/holding static brakes with Friction pads	EWR; DG-EHW
Ned Deck Marine	Single drum/gravity lowering/electric. Hoisting w/holding static brakes with Friction pads.	WL; 04.03 E QR; 04.03 E
	Single drum/gravity lowering/Hydraulic hoisting	04.03 E QR
	Single drum	04.04 E; 04.04.M;Palfinger series
	Single drum/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	04.04 E; 04.03 M; 04.03 E
	Twin drums	SCH 10-5.2R; SCM
Ningbo Asia FRP Boat Manufacturing CO	Single drum	DS; DZ; Z; YZD; D
	Twin drums	DS; DZ; Z; YZD; D
Ningbo New Marine Lifesaving Equipment CO	Single drum/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	NMW
Noreq	Twin drums	Noreq series
Norsafe	Twin drums	DW;HD;hydraulic series
	Single drum	DW;HD;Davit series
	Single drum/gravity lowering/Hydraulic hoisting	NWE, LH
	Twin drums/gravity lowering/electric. Hoisting/hydraulic pump lowering brakes	N/A
OME	Twin drums	TBE
Oriental Precision & Engineering CO	Single drum	RDW;WL;SWE;FD;OP
	Twin drums	BWE;SWE;FD
	Twin drums/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	BWE;SWE; RDW
	Twin drums/gravity lowering/electric. Hoisting w/holding static brakes with Mechanically operated multiple disks Friction pads	BWE;SWE;WL
	Single drum/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	WL;FD; RD;BWE;SWE; RDW; RDW-23; electrical series
	Twin drums/gravity lowering/electric. Hoisting w/holding static brakes/Multiple disks hydraulically operated	BWE;SWE
Palfinger	Single drum/gravity lowering/electric. Hoisting w/holding static brakes with Friction pads.	N series
	Twin drums/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	W, BWF1500,08-02
	Twin drums/gravity lowering/electric. Hoisting w/holding static brakes/Multiple disks hydraulically operated	Twin drums series
	Twin drums/gravity lowering/electric. Hoisting w/holding static brakes with Friction pads	BD;BW
	Twin drums/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	BD;BW

Qingdao Beihai	Single drum/gravity lowering/electric. Hoisting w/holding static brakes with Friction pads.	BD
	Single drum/gravity lowering/Hydraulic hoisting	BD; YSB
	Single drum	BE; BW
	Twin drums/gravity lowering/electric. Hoisting w/holding static brakes with Mechanically operated multiple disks Friction pads	BW-LL
	Single drum/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	BW-SC
Qingdao Beihai Ship Building Heavy Industry	Twin drums/gravity lowering/Hydraulic hoisting	BHA
	Single drum	Free fall ramp series
Red Rock TM	Single drum/gravity lowering/electric. Hoisting w/holding static brakes with Friction pads.	BW-SC21 series
	Single drum/gravity lowering/Hydraulic hoisting	Brevini series
Schat Company	Single drum	N/A
	Single drum/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	FME 194
Schat Davit Company	Single drum	Manual series; FME; PAR21
	Twin drums/gravity lowering/electric. Hoisting w/holding static brakes with Friction pads	BE
	Single drum/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	FME; FME 194; MOB
	Twin drums	BE
	Twin drums/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	BE
Schat Harding	Twin drums/gravity lowering/electric. Hoisting w/holding static brakes with Friction pads	2; 3 series; BE series
	Single drum/gravity lowering/electric. Hoisting w/holding static brakes with Friction pads.	BE; W; FME 2.7; WH; FME
	Single drum/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	BE; W120; FME;08-02;SRR;W120
	Single drum/gravity lowering/Hydraulic hoisting	BE;EWO8
	Single drum	BE;TW:08-02; WHO2-LD; FME;HD
	Twin drums/gravity lowering/electric. Hoisting w/holding static brakes with Mechanically operated multiple disks Friction pads	LW;TW
	Twin drums	TW
	Twin drums/gravity lowering/electric. Hoisting w/holding static brakes/Multiple disks hydraulically operated	BE 4,5 series
	Twin drums/gravity lowering/electric. Hoisting/hydraulic pump lowering brakes	BE 4,5 series
	Twin drums/gravity lowering/Hydraulic hoisting	W80L
Schat Harding(Palfinger)	Single drum	Electrical series
Sekigahara Seisakusho LTD	Twin drums/gravity lowering/electric. Hoisting w/holding static brakes with Mechanically operated multiple disks Friction pads	SWE
	Twin drums/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	SWE
	Twin drums	SWE;MSWE
Shigi	Single drum	FW-30
TTS Marine Crane AS Davit	Twin drums	WLT
	Single drum	RL
Tsuji Heavy	Single drum	H-622
	Twin drums	WLZ30; ER1
Vest Davit	Single drum/gravity lowering/Hydraulic hoisting	C; PL2000
Vestdavit AS	Single drum	C
	Single drum/gravity lowering/Hydraulic hoisting	C-394-3-V-S series
Wuxi Dongwu Marine Equipment CO	Twin drums/gravity lowering/electric. Hoisting w/holding static brakes with Mechanically operated multiple disks Friction pads	W series
	Single drum/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	Electric series
Wuxi Huahai (Marine Equipment)	Single drum	HMCD 20108 series
	Twin drums	Electric driven series
	Single drum/gravity lowering/electric. Hoisting w/holding static brakes with Friction pads.	HM
Zhenjiang Marine Auxiliary Machine Works	Single drum	HYO; winch series;
	Single drum/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	SAFC
	Twin drums/gravity lowering/electric. Hoisting w/holding static brakes with Mechanically operated multiple disks Friction pads	D; DP; 0482; 0482;63Z
	Single drum/gravity lowering/Hydraulic hoisting	Electrically driven; OW
	Single drum/gravity lowering/electric. Hoisting w/holding static brakes with Friction pads.	BH-6A , LE65
	Twin drums/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	DP-100S series
	Twin drums	D48Z; D; twin drums series
	Single drum/gravity lowering/electric. Hoisting w/centrifugal brakes with Friction pads	ZR
	Single drum/gravity lowering/Hydraulic hoisting	SZK

Zollern	Single drum	ZHP
	Single drum/gravity lowering/electric. Hoisting w/holding static brakes with Friction pads.	ZR
RELEASE GEAR		
Bada Heavy Ind. CO. LTD.	Fast rescue boat offload	BDR;BHR
	Free fall hydraulic	BHA
BC Service	Lifeboat onload lift not over center	U-hook
	Davit launched liferaft automatic	U-hook
	Lifeboat onload lift not over center, Flat to flat rotating cams	U-hook
Car 35	Rescue Boat automatic	Car 35 series
Davit Company	Lifeboat offload release lift over center	AMS
Davit International	Rescue Boat offload w. onload Capability	RH;RB;OLH;Offload series
	Rescue Boat offload	OHL;OLH
	Free fall hydraulic	ALH
Ernst Hatecke	Free fall hydraulic	F; FF; GFF; Free fall hydraulic
	Rescue Boat offload w. onload Capability	SIMPLEX;DUPLEX
	Lifeboat onload lift not over center	Duplex
	Rescue Boat offload	SIMPLEX;DUPLEX
	Lifeboat onload lift not over center, Curve to flat rotating cams	Off load with onload capability
Ernst Hatecke/Hydraulic	Fast rescue boat offload	Simplex 2.0;Simplex
Ernst Hatecke/Hydraulic	Free fall hydraulic	Ernst Hatecke/Hydraulic series
Ernst Hatecke/SIMPLAX	Fast rescue boat offload	Ernst Hatecke/SIMPLAX series
Fassmer	Lifeboat onload lift not over center	DUPLEX;Duplex 2,5
	Lifeboat onload lift not over center, Curve to flat rotating cams	DUPLEX
	Lifeboat onload lift not over center, Curve to curve rotating cams	DUPLEX;FSAR
	Lifeboat offload release lift over center	FF
	Free fall hydraulic	F;Gar
Global Davit	Rescue Boat offload	HRN; HRL
	Rescue Boat offload w. onload Capability	HR
	Davit launched liferaft automatic	HRL
	Rescue Boat automatic	Automatic series; HRL
Harding	Rescue Boat offload	ARRH; Harding series; RRH15
	Lifeboat onload lift not over center	RRH25
	Rescue Boat offload w. onload Capability	RRHIS;ARRH
	Fast rescue boat offload	combined automatic/offload series
Harding Bjorke	Lifeboat offload release lift over Center	offload twin hooks series;LHR9M2
Harding Safety A/S	Painter line	Painter series
Hatecke	Free fall hydraulic	Hydraulic series; SIMPLEX; Hydraulic release series
	Lifeboat onload lift over center	Rafti series
	Lifeboat onload lift not over center, Curve to flat rotating cams	DUPLEX series
	Lifeboat onload lift not over center, Curve to curve rotating cams	DUPLEX series
	Rescue Boat offload	Simplex; SIMPLEX
Henriksen	Lifeboat onload lift not over center	Cylinder type
	Fast rescue boat offload	HMK; HCH; HMKST HMK; HMKST
	Rescue Boat offload	HMK; HCH
HLB(ex-Hyundai lifeboats)	Rescue Boat automatic	HCH
	Lifeboat onload lift not over center, Curve to flat rotating cams	Talon II; Talon
	Free fall hydraulic	THP; Talon
	Lifeboat onload lift not over center, Flat to flat rotating cams	Talon
Hyundai	Lifeboat onload lift not over center	BD; HD; BH; BF; Talon;Talon II
	Lifeboat offload release lift over center	Offload release hydrostatic;Talon II
Hyundai Lifeboats CO	Lifeboat onload lift not over center	BH; BF
Hyundai Lifeboats CO	Lifeboat onload lift not over center, Flat to flat rotating cams	Talon series
Ihi Craft CO	Lifeboat onload lift not over center, Curve to flat rotating cams	Mark series
Industria Ferri	Rescue Boat automatic	1448 TN 2500 series
	Free fall hydraulic	JXN-3; JX-5; JX-2; Talon
	Fast rescue boat offload	FF; JXN; HK; JX; JX-4; free fall;JX-2; Hydraulic release Hook
	Lifeboat onload lift not over center Free fall hydraulic	JXN; JX-1; JX;

Jiangsu Jiaoyan Marine Equipment	Lifeboat onload lift not over center, Up & down pins	JX
	Lifeboat onload lift not over center, Flat to flat rotating cams	JXN; 3XN-1C; JXN-IC
	Lifeboat onload lift not over center, Curve to flat rotating cams	JY
	Rescue Boat offload w. onload Capability	Offload hooks; JXN-3; JXN-3
	Lifeboat offload release lift over Center	JX; JX-3
	Lifeboat onload lift over center	JX-1
Jiangyin Neptune Marine Appliance	Free fall hydraulic	NPT; free fall hydraulic; Hydraulic
	Lifeboat onload lift not over center, Up & down pins	NPT
Jiangyin Norsafe	Rescue Boat offload w. onload Capability	K4 series
	Lifeboat onload lift not over center, Flat to flat rotating cams	HK56
	Free fall hydraulic	GES; Hydraulic series; NFFH
Jiangyinshi Beihai LSA CO	Free fall hydraulic	JYB HK; JYBHK; JYBHKF
	Rescue Boat offload w. onload Capability	JYBHK
	Davit launched liferaft automatic	HK
	Lifeboat onload lift not over center, Flat to flat rotating cams	JYBHK; HK
	Fast rescue boat offload	JYB HK
	Lifeboat offload release lift over Center	JYBHK
	Lifeboat onload lift over center	HK56
Mansei Industry CO	Rescue Boat offload w. onload Capability	RH
MILLS	Davit launched liferaft automatic	TITAN
Nadiro	Lifeboat onload lift over center	DIB; DIB 32
Navalimpianti	Fast rescue boat offload	RH 3000
Ned Deck Marine	Davit launched liferaft automatic	CAR; CAR 35
	Rescue Boat offload w. onload Capability	CAR
	Rescue Boat automatic	CAR
NPT-DSB Engineering		HK336
Noreq	Free fall hydraulic	LBF series
NPT	Free fall hydraulic	HK336
NISHI-F	Free fall hydraulic	IHM12, CML, NS
Norsafe	Lifeboat onload lift not over center	Tor; Tor MK; K4 FM; Tor MK2; 7T
	Free fall hydraulic	GES; FF; Sim; NFH;
Norsafe	Rescue Boat offload	KD;K4-FM;HK
	Lifeboat onload lift not over center, Curve to flat rotating cams	MK;NFH
	Lifeboat onload lift not over center, Flat to flat rotating cams	MK-1;MK-2; CN4495/CN4494
	Fast rescue boat offload	K4-D;K-4-FM;K4D
	Rescue Boat offload w. onload Capability	RRH 15
	Lifeboat offload release lift over center	Tor VK2; K4
	Fast rescue boat offload	K-4-FM
Norsafe AS	Lifeboat onload lift over center	Hydraulic series
Palfinger	Davit launched liferaft automatic	CAR; CAR 35; combined Automatic/offload series
	Lifeboat offload release lift over Center	FFH
	Free fall hydraulic	CAR
	Rescue Boat automatic	CAR; CAR 35
	Rescue Boat offload w. onload Capability	CAR;RRH
	Rescue Boat offload	MOB
	Fast rescue boat offload	CAR 35F; Fast RSQ; CAR F 35
Palfinger Ned Deck CAR 35	Rescue Boat automatic	CAR series
Qingdao Beihai	Lifeboat onload lift not over center	BG; BHH; BH; FS
	Lifeboat onload lift not over center, Flat to flat rotating cams	BG;BHH
	Lifeboat onload lift not over center, Up & down pins	BHH;BG
	Lifeboat onload lift over center	BG
	Lifeboat offload release lift over Center	BG-3
	Free fall hydraulic	BG
	Rescue Boat offload	BG
	Rescue Boat offload w. onload Capability	BG
Qingdao Beihai	Lifeboat onload lift not over center, Curve to flat rotating cams	BG
Qingdao Beihai Shipbuilding Heavy Industry CO	Lifeboat onload lift over center	BG-3F
	Rescue Boat offload w. onload Capability	RRH;ARH;MOB;SSR; RRH 15
	Lifeboat onload lift not over center, Flat to flat rotating cams	FFH
	Lifeboat onload lift not over center, Curve to curve rotating cams	LHR
	Free fall hydraulic	ARH;H86

Schat Harding	Lifeboat onload lift not over center, Up & down pins	50-85 series
	Lifeboat offload release lift over Center	H-36-M;FFH
	Fast rescue boat offload	RH;RRH
	Rescue Boat automatic	ARH;CAR 35
	Lifeboat onload lift not over center	KH;LHR9M2
	Rescue Boat, single fall	RRH 25
Schat Watercraft (Palfinger)	Davit launched liferaft automatic	ARH
	Free fall hydraulic	Free fall hydraulic
Sezamor	Davit launched liferaft automatic	ARH
	Lifeboat onload lift over center	HS
	Rescue Boat offload w. onload Capability	HLR
Shigi Shipbuilding CO	Davit launched liferaft automatic	DUPLEX
	Lifeboat onload lift not over center, Up & down pins	SZK;SZ
	Lifeboat onload lift not over center, Flat to flat rotating cams	SRS;SZK;
	Lifeboat onload lift not over center	SZK
Simplex	Rescue Boat offload	2.0i series
	Fast rescue boat offload	Simplex 2.0
Survitec	Davit launched liferaft automatic	SLA
	Rescue Boat offload w. onload Capability	Safelaunch SLA 3.5 series
Survitec Survival Craft	Lifeboat onload lift not over center	Safelaunch 4.5T series
	Rescue Boat automatic	Safelaunch SLA
Survival Craft Inspectorate	Lifeboat onload lift not over center	Safelaunch series
Survival Systems International	Lifeboat onload lift over center	TRIPLE 5 LX
	Lifeboat onload lift not over center	TFLX
Tsuneishi Facilities & Craft	Lifeboat onload lift not over center	43GS-1
Vanguard	Lifeboat onload lift not over center, Up & down pins	SH
	Rescue Boat offload w. onload Capability	Spearhead series
Vest Davit AS	Fast rescue boat offload	Offload TH 5478 series
	Rescue Boat automatic	CAR
Viking	Rescue Boat offload w. onload Capability	HR
	Fast rescue boat offload	Viking 1.8 series
Viking Nadiro	Lifeboat onload lift over center	DIB
WATERCRAFT		TITAN
WUXI HAI HONG		HH43, HH65C
Wuxi Mingzi Machinery	Lifeboat onload lift not over center, Up & down pins	WHK
	Lifeboat onload lift not over center, Curve to flat rotating cams	WHK
	Lifeboat onload lift not over center	WHK
	Rescue Boat offload w. onload Capability	150-T15 series
	Rescue Boat offload	Offload hooks
	Fast rescue Boat offload	250 T series