



Certificate of Approval

Authorizing a Service Supplier engaged in maintenance, thorough examination, operational testing, overhaul and repair of lifeboats and rescue boats, launching appliances and release gear

No. AGT0/ATR/20241111120328

Issued within the scope of the Bureau Veritas Marine & Offshore General Conditions
Délivrée dans le cadre des Conditions Générales de la Marine & Offshore du Bureau Veritas

Company: **VADAS TERRA MARE SRL**

Company address*:
C.da Cozzo Delle Forche SN
96011 AUGUSTA
ITALY

Scope of the approval:

Maintenance, thorough examination, operational testing, overhaul and repair of lifeboats and rescue boats, launching appliances and release gear as per the list included in the attached Schedule of Approval

This is to certify that:

The undersigned Surveyor of the Society, acting within the Bureau Veritas Marine & Offshore General Conditions, has performed, at the Company's request, an assessment of the facilities, organisational structure and procedures of the said Service Supplier, in compliance with the relevant requirements of the Society Rule Note NR 533 and of IMO Resolution MSC.402(96).

The facilities, organisational structure and procedures were found satisfactory for the servicing of the equipment described in the attached Schedule of Approval.

The Certificate is valid until**: 23 October 2027

Completion date of the assessment on which this certificate based: 24 October 2024

At: Augusta , Italy on 28 November 2024

Bureau Veritas Surveyor's signature :



**BUREAU VERITAS
MARINE & OFFSHORE**

ALESSANDRO
TRINGALI

By Order of the Secretary

* Refer to the appendix for the list of subsidiaries covered by this certificate

** Not later than 3 years after the date of evaluation

The latest published Rules of the Bureau Veritas Marine & Offshore Division and the General Conditions therein are applicable.

La dernière édition des Règlements de la Division Marine & Offshore du Bureau Veritas ainsi que les conditions Générales qui y figurent sont applicables

Any person not a party to the contract pursuant to which this certificate is delivered may not assert a claim against Bureau Veritas for any liability arising out of errors or omissions which may be contained in said certificate, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in the establishment or issuance of this certificate, and in connection with any activities for which it may provide.

Toute personne qui n'est pas partie au contrat aux termes duquel ce document est délivré ne pourra engager la responsabilité du Bureau Veritas pour les inexactitudes ou omissions qui pourraient y être relevées ainsi que pour les erreurs de jugement, fautes ou négligences commises par le personnel de la Société ou par ses agents dans l'établissement de ce document et dans l'exécution des interventions qu'il comporte.

SCHEDULE OF THE APPROVAL

1-List of equipment : Makes and Types/Models

Equipment	Make	Type/Model	Manufacturer's Licence/Recognition N° (if applicable)
see attached ALLEGATO 1			

2- Certified Quality System in accordance with ISO 9000 series: Yes No

3- List of Subsidiaries / Agents covered by this certificate

4- Condition for the validity of the certificate of approval

The certification is valid insofar as the inspection duties are actually assumed by personnel of the Supplier who has been assessed by the Society.

The Society reserves the right to invalidate this certificate of approval in case :

- Where the service was improperly carried out or the results were improperly reported .
- Where a Surveyor finds deficiencies in the approval service operating system of the supplier and appropriate corrective action is not taken.
- Where alterations have been made to the Company's Quality System relevant to the service supplier certificates , without written notification to the Society.
- Where the periodic audit, if requested, has not been carried out.
- Where wilful acts or omissions are ascertained.
- Where any deliberate misrepresentation has been made by the Service Supplier.

5- Other conditions

6- Endorsement where an intermediate audit has been performed

Signed:
(Surveyor to BUREAU VERITAS MARINE & OFFSHORE)

Place:

Date:



ALLEGATO 1 (VALID ONLY IF ATTACHED TO CERT. N°AGT0/ATR/2024111120328)

ISO 23678 Make / Type/ Model /Series

SURVIVAL CRAFT	
Type Twin Fall Totally enclosed lifeboats tanker / dry version	
MAKE	MODEL/SERIES
Acebi	TELB, PELB, series
Balden	BD-LB BD-Rseries
DSB Engineering Co Ltd	DSBF, DSBC, series
Fassmer / Marland	CL; CLX, CLR; GMR, TGMR, HH, Dragon series
Gepa	G-FK -FP, GFK series
Greben	TEL series
Harding	MCM, MCF, MCB series
Hatecke (Umoe Shcat Harding)	GSL series
Hoei Senpaku	HS , HS-Fseries
HLB (Hyundai Lifeboats)	HDL, HLB, series
IHI Marine United Inc	GTC, GTR-F, GTC-C, GTC-F, GT-F,
Japan Marine United Corp	GF, GTR Series
Jiangyin Neptune Marine Appliance Co., Ltd.	NPT-C, NPT-F, SC, series
Jiangyinshi Beihai	JYB-F, JYB-C series
Jiangyin Xingjiang	JYN-F , JYN-C series
Jiangsu Jiaoyan (Jiangyin Xingjiang) F.R.P. Co., Ltd	JYQ- FP, JYQ- FN series
Jiangyin Wolong F.R.P. Boat Co. Ltd	JYCA, JYFA , JYC, JYF series
Mulder En Rijke (Palfinger)	TELB series
Ned-Deck Marine (Palfinger)	NPT , PN series
Nishi-F Co., Ltd., (Ex. Ishihara Dockyard, Nishi-Nippon)	CML, EML ,G-TR, G-FR series
Ningbo Asia F.R.P. Boat Manufacturing Co Ltd	YZC/ F series
Ningbo New Marine Lifesaving Equipment Co. Ltd	NM series
Noreq (Palfinger)	LBT series
Pesbo S.A	BSL series
Palfinger	KISS-C. KISS-T, NPT-C, NPT-F, series
Qingdao Beihai	BH-C BH-T, Dolphin series
Shigi Shipbuilding Co Ltd	SZBR/ BRS SZTR /TRS , series
Stocznia Utska SP. Z.O.O	Z series
Survitec	SC series
Tsuneishi	TL-TE, KL-TE, KL-FP,TE,FP series
Vanguard	VG-C, VG-F, VG-HLB series
Viking / Norsafe	JYN-T, JYN-C, Miram, Maud, Maggie, Maxima, Matilda series
Waterman	368, 377,351,366,371,379 366JHRL,371HRL series
Watercraft (Schat Harding)	Mk 1,2,3,4, 5 series
Wuxi Haihong	HH-C, HH-T, HH-TS, HH-CS, series
Wuxi Wenjiao	WJBF, WJBC, series
Vanguard	VG-C, VG-F, VG-HLB
Verhoef	DR series
Zhenjiang Marine Auxiliary Macinary Works	YH-DR, YH-QFP Series
Zhenjiang Hengxin Ship Equipment Co. Ltd.	BFC series
Type Single Fall Totally Enclosed lifeboats conventional / tanker / dry version	
Survival Systems Int	CA series
Type Totally Enclosed Lifeboat free fall tanker / dry version	
MAKE	MODEL/SERIES
Balden	BD-FFT, BDFFC series
DSB Engineering Co Ltd	DSBFF, DSBFC series



Fassmer	CFL,GAR, GAR-T series
Fassmer / Marland	CFL-C,CFL-T
Gepa	G-FFF series
Greben	FFL series
Harding (Umoe Schat Harding)	FF series
Hatecke	GFF series
Hyundai	HDFN-T, HDFN-F, HDFL series
Jiangyinshi Beihai	JYB-FF, JYB-FC series
Jiangyin Neptune Marine Appliance Co., Ltd.	NPT-FF, NPT-FA NPT FC, NPT-FCA series
Jiangyin Xingjiang	JY-FN series
Jiangsu Jiaoyan (Jiangyin Xingjiang F.R.P. Co., Ltd)	JYFF, JYFN series
Jiangyin Wolong F.R.P. Boat Co. Ltd.	JYCF,JYFF series
Ningbo Asia F.R.P. Boat Manufacturing Co Ltd	YZFF/ FC series
Nishi-F Co., Ltd., (Ex. Ishihara Dockyard, Nishi-Nippon)	FF series
Noreq	LBF series
Palfinger	FF, NPT-FF, NPT-FC series
Pesbo S.A	BSL series
Qingdao Beihai Shipbuilding Heavy Industry Co. Ltd.	BH-F series
Shigi	FEL series
Stocznia Utska SP. Z.O.O	FFB series
Survitec	FF series
Viking / Norsafe	JYN, GES, series
Watercraft (Schat Harding)	WFF series
Wuxi Haihong Boat Making Co., Ltd	HH-FC / FF
Wuxi Wenjiao	WJFF ,WJFFC series
Verhoef	FL 50 series

Type Open Lifeboat twin Fall

MAKE	MODEL/SERIES
IHI Marine United Inc	G series
Shigi	SZGO, SZGM, series
Ningbo Asia F.R.P. Boat Manufacturing Co Ltd	BJ SERIES
Nishi-F Co., Ltd., (Ex. Ishihara Dockyard, Nishi-Nippon)	NF, NFA series
Jiangyinshi Beihai	JYB series
Jiangyin Wolong F.R.P. Boat Co. Ltd	JYK,series
Wuxi Haihong Boat Making Co., Ltd	BH, BJ series
Wuxi Wenjiao	WJ,, BH,, BJ series

Type Partially Enclosed lifeboat twin fall

MAKE	MODEL/SERIES
Acebi	PELB, series
DSB Engineering Co Ltd	DSBP series
Fassmer	CL-P, SEL, PLL, PLT, series
Gepa	G-FYK series
Greben	PEL series
Harding (Umo Schat Harding)	MPC,CTL, ML series
Hatecke	PEL series
Jiangyinshi Beihai	JYB-B; series
Jiangyin Neptune Marine Appliance Co., Ltd.	NPT-P,NPT-PT
Jiangyin Wolong F.R.P. Boat Co. Ltd	JYP series
Mulder En Rijke (Palfinger)	PELB, PELBT, series
Nishi-F Co., Ltd., (Ex. Ishihara Dockyard, Nishi-Nippon)	PML series
Noreq (Palfinger)	LBP series
Palfinger	CTL, NPT-P, MPC series
Qingdao Beihai Shipbuilding Heavy Industry Co. Ltd.	BH10
Shigi	SZP, SZPR, series
Viking / Norsafe	Minima, series
Watercraft	PERB, PELB, MOB, MOBRC, series



Waterman

367, 365,393 series

Type Rescue Boat single fall	
MAKE	MODEL/SERIES
Ambar Marine	Am-420
Avon	RB, SR series
Balden	BD-R series
Dafer / Narwhal	SV series
DSB Engineering Co Ltd	DSBR, DSBRFA series
DSB Deutsche Schlauchboote	IRB series
Fassmer	RR series
Gepa	G-RB series
Greben	RB series
Harding (Umo Schat Harding)	MOB series
Hatecke	RB series
HLB (Hyundai Lifeboats)	HDR series
Jiangyinshi Beihai	JYB-R, JYB-KR,SC-KR, SC-K series
Jiangyin Neptune	NPT-R, NPT-RA, NPT-RB, NPT-RFA, series
Jiangyin Xingjiang	GJ series
Jiangsu Jiaoyan (Jiangyin Xingjiang F.R.P. Co., Ltd)	GJ, GJF,GZ series
Jiangyin Wolong	JYDR, KYKR; series
Mare Safety	RB series
Narwal	SV, series
Ned-Deck Marine	NDM 4,40 Rescue
Noreq (Palfinger)	RRB series
Ningbo Asia F.R.P. Boat Manufacturing Co Ltd	YZ,BJ series
Palfinger	RSQ series
Qingdao Beihai Shipbuilding Heavy Industry Co. Ltd.	BH-R series
Shigi	VOX46 series
Stocznia Utska SP. Z.O.O	R, RIB
Vanguard	VG-KR, VG-DRS series
Viking / Norsafe	Matrix, Midget, Merlion, Mako series
Watercraft (Watercraft Hellas) (Palfinger)	4.9 RB
Wuxi Haihong Boat Making Co., Ltd	JG series
Wuxi Wenjiao	WJ, series
Zhenjiang Marine	YH-FRA, YH-R series

Type Fast Recue Boat Single Fall	
MAKE	MODEL/SERIES
Alusafe	FRB 700, 900 series
Dafer / Narwhal	FRB-700, SV-750 series
Delta	comet, phantom, series
DSB Engineering Co Ltd	DSBRA, DSBRB series
Fassmer	FRR, FRIR series
Gepa	G-FRB series
Hatecke	FRB series
HLB (Hyundai Lifeboats)	HDFR series
Jiangyinshi Beihai	JYB-G, JYB-Q series
Jiangyin Neptune	NPTR, NPTRA, NBTRB, NPTRFA series
Jiangyin Xingjiang	GJ-450 series, GJ-6.0 B series
Jiangsu Jiaoyan (Jiangyin Xingjiang F.R.P. Co., Ltd)	GJ series
Jiangyin Wolong F.R.P. Boat Co. Ltd.	JYKR series
Mare Safety	FRB series
Maritime Partners (Alusafe), (Weedo), (Sea Bear)	Alusafe 700,770, 17 SOLAS, 1200DC, Weedo, 600,660,700,, Springer 660 , Sea Bear series
Narwal	SV, FRB series



Ned Deck Marine	FRSQ series
Ningbo Asia F.R.P. Boat Manufacturing Co Ltd	YZRA / RB series
Nishi	FRP series
Normar	FRC
Noreq	FRB series
Qingdao Beihai Shipbuilding Heavy Industry Co. Ltd.	BH-HR7, FRB series
Palfinger	FRSQ series
Shigi	FRP series
Survival Systems Int.	FRC series
Vanguard	VG-FRK, VG-FRW series
Viking / Norsafe	Merlin, Magnum, Mako, Maya
Wuxi Wenjiao	WJRB, WJRA, series
Zodiac	H472S, RIB series
Zhenjiang	YH-FRB series

RELEASE GEAR

Type Lifeboat On-Load - lift not over centre; locking device -flat to flat rotating cams

MAKE	MODEL/SERIES
Balden	BD-LBH series
Hoei Senpaku Co., LTD	HS series
HLB (Hyundai Lifeboats)	Talon Mk 1 series
Norsafe / Viking	Tor Mk1, Mk 2 series
Qingdao Beihai Shipbuilding Heavy Industry Co. Ltd.	BG series
William Mills	Titan series

Type Lifeboat on load lift not over centre, Curve to flat rotating

MAKE	MODEL/SERIES
Fassmer	Duplex > 6t series
Hatecke	Duplex - > 6t series
Hoei Senpaku Co., LTD	HS650 96, HS 520 96 series
Jiangyinshi Beihai	HK series
Jiangyin Neptune	NPT 50 series
Jiangyin Wolong	HK series
Ningbo Asia F.R.P. Boat Manufacturing Co Ltd HK	HK series
Nishi-F Co., Ltd., (Ex. Ishihara Dockyard, Nishi-Nippon)	NS series
Shigi Shipbuilding Co. Ltd.	SRS series
Vanguard	SH, C-safe series
Zhenjiang Marine	HK series

Type Lifeboat on load lift not over centre; Forward or reverse curve to curve rotating cams

MAKE	MODEL/SERIES
Fassmer	Duplex - < 6.6
BC Service	U Hook
Hatecke	Duplex - <6t series
Hyundai	Talon Mk 2 series
Jiangyin Neptune	PN-HCK, NPT-HCK series
Palfinger	LHR Mk 1, LHR Mk 2 series
Survitec	Safe Launch series
Mad Rock	RoLoc series

Type Lifeboat on load lift not over centre; Up and Down Pins / Collars

MAKE	MODEL/SERIES
Greben	NLH series
Hoei Senpaku Co., LTD	HS650 83 HS 520 83 series
IHI Marine United Inc.	JX1 series
Jiangsu Jiaoyan (Jiangyin Xingjiang F.R.P. Co., Ltd)	JX 1 series
Jiangyin Wolong F.R.P. Boat Co. Ltd.	JX-1, FHK series
Nishi F Co., Ltd., (Ex. Ishihara Dockyard, Nishi-Nippon)	IHM / 12 /13 series
Shigi Shipbuilding Co. Ltd.	SZK5, SZK series
Tsuneishi	43GS-1 series

Type Free Fall Hydraulic / Mechanical

MAKE	MODEL/SERIES
Bada Heavy Industries	BHA series
DAE JIN Co. LTD	THP-1B series
Fassmer	F series



Hatecke	GFF series
Harding / Palfinger	FFH series
Jiangyinshi Beihai	HKF, series
Jiangsu Jiaoyan (Jiangyin Xingjiang F.R.P. Co., Ltd)	JX-2 series
Jiangyin Neptune	NPT-70HKF series
Jiangyin Wolong F.R.P. Boat Co. Ltd.	FHK series
Nishi-F Co., Ltd.. (Ex. Ishihara Dockyard, Nishi-Nippon)	ML, F seires
Norsafe / Viking	HRS, NFFH, series
Pesbo S.A	BSL series
Verhoef	Twistlock series
Type Free Fall Mechanical	
MAKE	MODEL/SERIES
Jiangyinshi Beihai	HKF series
Jiangyin Wolong	FHK series
Type Lifeboat On-Load - lift over centre	
MAKE	MODEL/SERIES
SSI	SureSafe
SSI	Triple 5, Triple 5 LX
Viking / Nadiro	DIB series
Type Rescue boat Offload lift over centre	
MAKE	MODEL/SERIES
Bada Heavy Industries	BHR series
BC	U Hook
Davit International	OLH series
Global Davit	HRN series
Hatecke	simplex offload series
Sezamor	HLR18
Type Fast Rescue Boat Offload	
MAKE	MODEL/SERIES
Viking / Norsafe	K4 series
Type Rescue Boat Offload w. on-load capability	
MAKE	MODEL/SERIES
Bada Heavy Industries	BHR255 series
Davit International	RH series
Global Davit	HR series
Hatecke	simplex -series
Palfinger / Harding	RRH series
T-ISS BV	PX02 series
Type Fast Rescue Boat Offload w. on-load capability	
MAKE	MODEL/SERIES
Jiangyinshi Beihai	HK series
Jiangsu Jiaoyan (Jiangyin Xingjiang F.R.P. Co., Ltd)	JXN-3 series
Jiangyin Wolong F.R.P. Boat Co. Ltd.	HK series
Noreq	JXN-3
Wuxi Wenjiao	HK series
Type Fast Rescue Boat Off Load Manuel or Automatic	
MAKE	MODEL/SERIES
Henriksen	HMK; HCH series
Harding / Palfinger	CAR 35 F
Type Rescue boat / Davit Launched Liferaft lift over centre automatic	
MAKE	MODEL/SERIES
Bada Heavy Industries	BHA series
Balden	BDHR series
Chang Sheng	35kN
Gepa	G-K
Global Davit	HRL 26
Harding	ARH 23 series
Neddeck	CAR 35 series
Jiangyin Neptune	NPT-HK25F
Mansei	RH series
Palfinger	CAR 35 series
Servoship	200 series



Sezamor	HS series
Survitec	SLA 3.5
T-ISS BV	PX 01, PX02 series
Wuxi Xingsheng	XS series

Type Devices for activating release; Central Release Unit

MAKE	MODEL/SERIES
Balden	BD-LBH series
BC	U Hook
Fassmer	Duplex > 6t , Duplex - < 6.6 series
Greben	NLH series
Hatecke	Duplex - > 6t, Duplex - <6t series
IHI Marine United Inc.	JX1 series
Jiangyinshi Beihai	HK series
Jiangsu Jiaoyan (Jiangyin Xingjiang F.R.P. Co., Ltd)	JX Series
Jiangyin Neptune	NPT-50 ,PNHKG series
Jiangyin Wolong F.R.P. Boat Co. Ltd.	JX-1, HK series
Ningbo Asia F.R.P. Boat Manufacturing Co Ltd HK	HK series
Hoei Senpaku Co.LTD .	HS, HS650 96, HS 520 96 series
HLB (Hyundai Lifeboats)	Talon Mk 1, Talon Mk 2 series
Mad Rock	RocLoc series
Nishi-F Co., Ltd., (Ex. Ishihara Dockyard, Nishi-Nippon)	NS, IHM / 12 /13 series
Norsafe / Viking	Tor Mk1, Mk 2 Nadiro D.I.B.series
Qingdao Beihai	BG series
Palfinger (Harding)	LHR Mk 1, LHR Mk 2 series
Shigi Shipbuilding Co. Ltd	SRS, SZK5, SZK30 series
Survitec	Safe Launch series
SSI	Triple 5, Triple 5 LX series
Tsuneishi	43GS-1 series
Vanguard	S, C-safe series
William Mills	Titan series

Type Devices for activating release; Free Fall Hydraulic Primary and Secondary

MAKE	MODEL/SERIES
Bada Heavy Industries	BHA series
DAE JIN Co. LTD	THP-1B series
Fassmer	FFH45 series
Hatecke	GFF series
Harding / Palfinger	FFH series
Jiangyinshi Beihai	HKF, series
Jiangsu Jiaoyan (Jiangyin Xingjiang F.R.P. Co., Ltd)	JX-2 series
Jiangyin Neptune	NPT-70HKF
Nishi-F Co., Ltd., (Ex. Ishihara Dockyard, Nishi-Nippon)	ML, F seires
Norsafe / Viking	GFS series
Verhoef	Twistlock series

Type Devices for activating release; Hydrostatic Unit with Diaphragm

MAKE	MODEL/SERIES
BC	U Hook
Hoei Senpaku Co.LTD .	HS, HS650 96, HS 520 96 series
Hyundai	Talon Mk 1 Mk 2 series
IHI Marine United Inc.	JX1 series
Jiangyinshi Beihai	HK series
Jiangsu Jiaoyan (Jiangyin Xingjiang F.R.P. Co., Ltd)	JX Series
Jiangyin Wolong F.R.P. Boat Co. Ltd.	JX-1 series
Norsafe / Viking	Tor Mk1, Mk 2 series
Palfinger (Harding)	LHR Mk 1, LHR Mk 2 series
Qingdao Beihai	BG series
Survitec	Safe Launch series
Tsuneishi	43GS-1 series
Vanguard	S, C-safe series
William Mills	Titan series

Type Devices for activating release; Hydrostatic Unit with Float

MAKE	MODEL/SERIES
Fassmer	Duplex > 6t , Duplex - < 6.6 series
Hatecke	Duplex - > 6t, Duplex - <6t series
Jiangyin Neptune	NPT-50 ,PNHKG series
Mad Rock	RocLoc series
Nishi-F Co., Ltd., (Ex. Ishihara Dockyard, Nishi-Nippon)	NS, IHM / 12 /13 series
Shigi Shipbuilding Co. Ltd	SRS, SZK5, SZK30 series



Type Devices for activating release; Electronic Sensor

MAKE	MODEL/SERIES
Greben	NLH series
Norsafe / Viking	Nadiro D.I.B.series

DAVITS**Type Gravity Twin / Single Fall Fixed Outrigger**

MAKE	MODEL/SERIES
Acebi	A, PF, AF, series
Alexander Ryan	BH series
Bada Heavy industries	ORFP
Bianchi & Cecchi	(BC) PE, PET series
Davit International	D-FO, D-FOS series
Global Davit	Gsp.O, Rsp.O series
Greben	FOD series
Jiangyinshi Beihai	PD series
Jiangsu Jiaoyan (Jiangyin Xingjiang F.R.P. Co., Ltd)	JYP series
Jiangyin Neptune	NPT-DP, NPT-PL series
Jiangyin Wolong	JYPL series
Harding (Umo Schat Harding) (Schat Davit Company) (Palfinger)	ORD,HD-FL series
Hatecke	Gsp.O
Navim Group	FDRB
Ned Deck Marine	FPG, series
Ningbo New Marine Lifesaving Equipment Co. Ltd	nmpl
NOREQ (PALFINGER)	NRD, series
Nor Davit	PL series
Palfinger	FPG series
Qingdao Beihai	BD-PL series
Survival Systems Int	PI series
Vanguarde	PL series
Viking / Norsafe	A, C, D; series
Wuxi Huahai	PD series
Vanguarde	PL series
Viking / Norsafe	A, C, D; NDC, series
Wuxi Huahai	PD series
Zhenjiang Marine Auxiliary Machinery Works	PL series

Type Twin Fall Gravity Roller Track

MAKE	MODEL/SERIES
Acebi	GRA series
Bada Heavy industries	BDTW
Davit International	D-RT series
Global Davit	Gsp.RT, Glp.RT
Greben	GR-RTD series
Jiangyinshi Beihai	RB-H, HB-H series
Jiangsu Jiaoyan (Jiangyin Xingjiang F.R.P. Co., Ltd)	JYGR series
Jiangyin Wolong	JYHE, series
Harding (Umo Schat Harding)	GRA,HD-RT series
Mansei	GRA,AT series
Oriental Precision	RTD series
Palfinger	NPT Series
Sekigahara	AT, STS series
Sezamor	ZZ-ZtJ, ZZ-ZtJ2 series
Tsuji Heavy Industries	TC, T83 series
Viking / Norsafe	E series; A, C, D; series
Watercraft	WRG series
Wuxi Dongwu	25kN-30kN series
Wuxi Shengou	SMDP series

Type Twin Fall Gravity Luffing / Pivoting

MAKE	MODEL/SERIES
Acebi	SPG series
Arim	AHA, series
Bada Heavy industries	BDH, BDMS series
Davit International	D-NP, D-NP.MP series
Dongnam Marine	DHGD series
Dongwoo Machinery & Engineering Co., Ltd.	DWS
DSB Engineering Co Ltd	DSBDL, DSBDTL series
Fassmer	FPD series
Global Davit	Gsp.FP, Gsp.MP, Glp.FP, Glp.MPseries



Greben	SPG series
Harding (Umo Schat Harding) (Schat Davit Company) (Palfinger)	HD-SPG, HD-VIP , SPG(L),SPG(VL) series
Jiangyinshi Beihai	BH-G, LB-H , LA series
Jiangsu Jiaoyan (Jiangyin Xingjiang F.R.P. Co., Ltd)	JYL series
Jiangyin Neptune	NPT-DL, DP, DYL, series
Jiangyin Wolong	JYPL series
Mansei	ABD, AH, AV, EM, EH, M, MVD series
Ningbo Asia F.R.P. Boat Manufacturing Co Ltd	L series
Iknow Machinery (TSUJI)	HD series
Nor Davit	SDP series
Palfinger	NPT, VIP series
Pelegrini Marine Equipment	GRA Series
Qingdao Beihai	BD-PV , series
Oriental Precision	HDG, HGK,DHA, DMAseries
Sekigahara	SFA, SFB, SFP, SHS series
Tsuji Heavy Industries	H series
Vanguard	VL, LE series
Viking / Norsafe	E, series
Wuxi Huahai	HMD series
Wuxi Dongwu	18kN-110Kn
WUXI SHENGOU	SHMDL series
Youngnam Machinery Co. Ltd	YNBD
Zhenjiang Marine	L
Zhejiang Taizhou Wantong Marine Machinery CO Ltd	YSJ

TYPE Twin Fall Hydraulic Luffing / Pivoting

MAKE	MODEL/SERIES
Acebi	TPC series
Bada Heavy industries	BDTD series
Davit International	D-NP, D-SP series
DSB Engineering Co Ltd	DSBDYL series
Fassmer	FMPD series
Global Davit	Gsp.FLh, Gsp.FPh, GIp.FLh, GIp.FPh series
Greben	HD, GD-PD series
Hatecke	GspFP
Harding (Umo Schat Harding)	SPD series
Jiangyinshi Beihai	BHGH series
Jiangsu Jiaoyan (Jiangyin Xingjiang F.R.P. Co., Ltd)	JYHG series
Navim Group	SGHD- L, SPHD- T
Ned Deck Marine	PLG series
NOREQ (PALFINGER)	NPD series
Palfinger	PFH, NPD; series
TTS / Hydralift	HL9D
Vanguard	PFH, SRH series
Viking / Norsafe	LH series
Zhenjiang Marine Auxiliary Machinery Works	SRH series

Type Single Arm Slewing

MAKE	MODEL/SERIES
Abas	MDE, KDE series
Acebi	PFR, TPU, RRP; series
Acoin	R18700
Acta	MOB ; DR; DC, HSC series
Alexander Ryan	AREH series
Arim	AREH, ARPV, series
A Tech	AT-LRD
Bada Heavy Ind. Co., Ltd (Ex. Daeryuck Machinery)	BDR series
Coastal Marine Equipment, Inc.	D series
Daesung	Combi series
Davit International	D-AS.S, D-CRm, D.BC.R, D-FOS D-BR , D- RC, D-RC.T, D.Cre.R series
Denizsan	DSRBD, DRBD, DRBLRD series
Dongnam Marine Crane Co Ltd	DSAD, DSAC, DNRD, DR, DRBLRD series
DSB Engineering Co Ltd	DSB23DR series
Fassmer	FSARR
Global Davit	Lms, Lms.s, Lmes.S,R Rms, Rmes.S, Rms.L, Rmes.L.S, Rms.S, Rms.L.S, Rhs, Rhs.L, Rhs.S, Rhs.L.S, Lml,RMI,Rhl, Rhp, Fhs,Fhs.S, Fhs.L, Fhs.R. Fhs.R.S. Fhs.R.L., Fhs.R.L.S, Rhs, Rhs.L. Rhs.L.S series
Greben	SAR series
Gurdesan	GD-KHK GD-RRS series
Haean Machinery Ind. Co. Ltd.	HED-PC
Hanyoung Enterprise	RBD series



Jiangyinshi Beihai	SA, SAC, SMR series
Jiangsu Jiaoyan (Jiangyin Xingjiang F.R.P. Co., Ltd)	JYR series
Jiangyin Neptune	NPT-DR series
Jiangyin Wolong	JYSA series
Jung-A-Marine Co., Ltd	PCRLC
Harding (Umo Schat Harding)	LAR,SAR,SPR, SRR series
Navigations	1.1 series
Ned Deck Marine	SCH, SCM, SCT, SEC, series
NMF	BP, KD.2 series
Mansei	R, RD,SAR, SR, series
Ningbo Asia F.R.P. Boat Manufacturing Co Ltd	YZ, ZFDZ series
Oriental Precision	RD series
Palfinger	SCM-L, SCH-R, SCM -R series
Qingdao Beihai	BD- SA, BD-SH series
Oriental Precision	SHS series
Sekigahara	SSS series
Sezamor	ZZ-ZOT, ZZ-ZOL series
Shin Myung Tech	SMRBD-SD, SMRBD&LRD, SMRBD&PV, SMRB&LRD-FT series
Tsuji Heavy Industries	RP series
Viking / Norsafe	NDSC-R, NRC-R series
Vanguard	HS, MS, VS
Vestdavit	L series
Ulstein Fama (Fama Gniw)	ZO, ZT series
Welin Lambie	LRW, SABRE series
Wuxi Huahai	HMB series
Wuxi Dongwu	21kN-35kN DWC210 series
Wuxi Shengou	SMC, SMD series
Zhenjiang Marine Auxiliary Machinery Works	ZF, SAFC, SAW series

Type Single Fall Rescue / Fast Rescue Boat A Frame / Hydraulic

MAKE	MODEL/SERIES
Acebi	TPF, TPU series
Arim	ARPV, series
Bada Heavy Ind. Co., Ltd (Ex. Daeryuck Machinery)	BDA, BDFA, BFRD series
Davit International	D-NPS.SP, D-TT.SP, D-NP.FR, series
Denizsan	DSFRB series
DSB Engineering Co Ltd	DSBARH, DSBDR, DSBDP series
Global Davit	Rhp, Rhp.HC series
Greben	RLC series
Jiangyinshi Beihai	EHRD, FRH, SRH series
Jiangsu Jiaoyan (Jiangyin Xingjiang F.R.P. Co., Ltd)	JYA, JYH, series
Jiangyin Neptune	NPT- BE, NPT-DR series
Jiangyin Wolong	JY-PLR; JY-LFR; JY-LRHE series
Harding (Umo Schat Harding)	SA, series
Hydralift/ TTS	HL series
Hydramarine	HMD, HMC series
Macgregor (TTS) Hydramarine)	A-Type, HLD, HMD,HMC, series
Mansei	EHR series
Ned Deck Marine	PFH, PRH, PRHE series;
Ningbo New Marine Lifesaving Equipment Co. Ltd	NM, NMAR
NOREQ (PALFINGER)	NPD series
Palfinger	SCM-L, SCH-R, SCM -R series
Qingdao Beihai	BD-AR, series
Oriental Precision	RD series
Redrock	RDA series
Vestdavit	P, PL, PLP,PLR, PLAR PLD, PAP, PAPH, PLi series
Vanguard	DH, PR, PRH series
Viking; / Norsafe	NDA, NRB, series
Wuxi Huahai	HMDA series
Wuxi Dongwu	Rescue Boat Davit (A30-H35). series
Wuxi Shengou	HMDA series
Zhenjiang West Marine Equipment Co. Ltd	WME-LRH series

Type Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic

MAKE	MODEL/SERIES
Bada	TT series
Davit International	D-TT, DTT.SPseries
MacGregor (Hydramarine)	T-Type series
Navim Group	SPDT L, SPDT T, SPDT R series
Palfinger	NTD Series
Redrock	RDT series
Vest Davit	TBD; series



Type Gravity Free Fall Primary / Secondary Hydraulic A Frame	
MAKE	MODEL/SERIES
Acebi	TPF series
Acta	HSC series
Bada Heavy industries	BDF, HDFL series
Davit International	D-FH series
Denizsan	DSFDD
DSB Engineering Co Ltd	DSBDF series
Fassmer	FFH series
Fassmer Marland	FFH
Greben	HFF series
Gurdesan	GD-FFD series
Jiangyinshi Beihai	FA series
Jiangsu Jiaoyan (Jiangyin Xingjiang F.R.P. Co., Ltd)	JYF series
Jiangyin Neptune	NPT-DF series
Jiangyin Wolong	JY-FH series
Harding (Umo Schat Harding)	LA, FF series
Hateke	FFA, FFB series
Mansei	MFH, F, D-FH series
Ningbo Asia F.R.P. Boat Manufacturing Co Ltd	YZF series
Palfinger	FF, NPT-DF series
Qingdao Beihai	BD-FF series
Oriental Precision	FD, FF series
SEC (Ships Equipment Centre)	HP2 series
Servo Ship S.L	FFR series
Sekigahara	SF series
Stoznia Utska SP. Z.O.O	PZ, HZ
Viking / Norsafe	H, HD, SW series
Verhoef	FL 50 series
Wuxi Dongwu	F55, F70, NPT100F series
WUXI SHENGOU	SMDF series
Zhenjiang Marine Auxiliary Machinery Works	FH series

WINCH	
Type Twin drum; lifeboat gravity lowering electric hoisting	
Brake system; static brake; cone / disk; pads/band; decent brake; centrifugal with pads	
MAKE	MODEL/SERIES
Bada Heavy Industries	BA, BM PWD series
Davit Company	24 EPB series
Davit International	12 ;40; 04; 02; 03 series
Dongwoo Machinery & Engineering Co., Ltd.	DWS series
Global davit	10, 14, 20, 26kNm series
Greben	EW, CW series
Harding (Watercraft)	NW; MW series
Harding (Umo Schat Harding) (Schat Davit Company) (Palfinger)	HD, BE MW series
Iknow Machinery (TSUJI)	EB series
Mansei	EW, MW, CMW, AW series
Ned-Deck Marine (Palfinger)	15 series
Nor Davit	SP series
Pelegrini Marine Equipment	VAS 45 E Series
Qingdao Beihai Shipbuilding Heavy Industry Co. Ltd.	BW-LL, BW-HL, BW-HR, series
Tsuji Heavy Industries	EB series
Watercraft	NW; MW
Welin Lambie	55; 53 ;97 series
Brake system; static brake hydraulic; multiple disks; decent brake; hydraulic pump	
MAKE	MODEL/SERIES
Harding	CW, W series
Palfinger	CW, W series



Brake system; static brake mechanical; multiple disks; decent brake; centrifugal with pads

MAKE	MODEL/SERIES
Aciebi	TBE series
Bada Heavy Industries	BW series
Japan Marine United Corp	MU series
Jiangyinshi Beihai	DS, DZ, DW, JYBW series
Jiangsu Jiaoyan (Jiangyin Xingjiang F.R.P. Co., Ltd)	JYW, JYWP series
Jiangyin Neptune	DW, DS series
Jiangyin Wolong	JYD series
Mansei	EBW, ABW, series
Oriental Precision	BWE, SWE series
Sekigahara	SNW, SWE, series
Wuxi Huahai Marine	HMW series
Wuxi Dongwu	DS/Z, D/Z Series
WUXI SHENGOU	SMW series
Youngnam Machinery Co. Ltd	YNBW
Zhenjiang Marine Auxiliary Machinery Works	D, DP series

Type Single drum; lifeboat rescue boat / gravity lowering electric hoisting

Brake system; static brake; band / pad; cone, decent brake; centrifugal with pads

MAKE	MODEL/SERIES
Aciebi	TBE series
Dongnam Marine Crane Co.,Ltd.	DSAD series
Harding (Umo Schat Harding)	16 EBR series
Jiangyin Neptune	NPT-DW series
Ned deck Marine	04, series
SEC	WL series
Survival Systems Int.	W series

Type Single drum mechanical; liferaft / rescue boat

Brake system; static brake; pad / disk / eccentric cam; decent brake; centrifugal with pads

MAKE	MODEL/SERIES
Alexander Welin	AIW series
Bada Heavy Industries	BDF, BLW, BMW, BRW series
Davit Company	16 EV series
Davit International	0.1., 02., 03., 04., 06., 07kn series
Dongnam Marine Co Ltd	DRBD, DRBLRW series
Fassmer	DEW series
Global Davit	01,02,04,08 Kn. series
Gurdesan	GD-FLW series
Haeon Machinery Ind. Co. Ltd.	HHD-PC series
Jiangyinshi Beihai	YZ series
Mansei	SW, RMW, MW, ERW, RBH, LBH series
Ned deck Marine	HWCT series
Oriental Precision	RDW series
Qingdao Beihai	BW-SC series
Harding (Umo Schat Harding) (Schat Davit Company) (Palfinger)	FME series
Tsuji Heavy Industries	TC series
Ulstein Fama (Fama Gnieuw)	ERM series
Welin Lambie	5619,9502 series
Wuxi Huahai Marine	MW series
Zhenjiang Marine Auxiliary Machinery Works	JYRZ series

Type Single drum hydraulic hoisting and lowering

MAKE	MODEL/SERIES
Bada	HDF, PWD, series
Global Davit	W05HC, W08HC, WS; series
Davit International	06 series
Fassmer / Marland	FFWH series
Gurdesan	GD-HC-A series
Greben	HW series



Haean Machinery Ind. Co. Ltd.	HHD-PC series
Harding (UMOE Schat Harding)	HD, LN series
Hatecke	FFA series
Hydralift	SP series
Jiangsu Jiaoyan (Jiangyin Xingjiang F.R.P. Co., Ltd)	FW series
Macgregor (TTS) Hydramarine)	HMW SERIES
Mansei	06, FW series
Noreq	NW series
Oriental Precision	WL series
Servo Ship S.L	FFRW series
Verhoef	FL 50 series
Zollern	ZR series
Zhenjiang Marine Auxiliary Machinery Works	SAW series



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