

APPROVAL OF SERVICE SUPPLIERS

Certificate No:
AOSS0000GXB
Revision No:
1

This is to certify that

Delmar Marine Services Pte. Ltd.

Singapore, Singapore

is granted acceptance for

Maintenance, thorough examination, operational testing, overhaul and repair of lifeboats and rescue boats, launching appliances and release gear , in accordance with Class Programme DNV-CP-0484 and IACS UR Z17 Annex 1 [13].

This service supplier certificate will be accepted for use with all rule sets published by DNV.
See the following page(s) for details regarding application.

This Certificate is valid from **2023-06-01** to (inclusive) **2026-05-31**.

This Certificate is issued on **2023-08-31**.



for **DNV**

This document has been digitally signed and will
therefore not have handwritten signatures

Ng, Ken Tong Ken
Surveyor

This Certificate may be withdrawn if:

1. The service provided has been improperly carried out or the results improperly reported.
2. The surveyor has found any deficiencies in the accepted operating systems of the service supplier.
3. The firm has failed to inform of any major changes having effect on the quality of the service rendered.
4. The conditions listed in the certificate are changed and/or are not fulfilled.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Application:

Following are makers authorisation of the service supplier.
Certified in accordance with manufacturer's established certification programme:

MAKE	TYPE	MODEL/SERIES
ZHENJIANG MARINE	GRAVITY DAVIT :	LE55/LE65/LE85/LE100/ LE138/LE170/HE65/HE85/HE100/HE138/H170/RE50/RE60/RE80/RE100/ SRH65/SRH85/SRH100/ARH120/SRH150/SRH170/SRH200/SRH230/ GL65/GL85/GL110/GL138/GL165/TG65/TG85/TG110/TG150/TG170/TG200/TG230/ HT80/HT100/HT150/HT210/LC400
ZHENJIANG MARINE	LAUNCHING APPLIANCE DAVIT :	FH55/FH70/FH75/FH85/FH100
ZHENJIANG MARINE	SINGLE ARM DAVIT AND CRANE :	SAF14/SAF21/SAFC21/SAFC25/SA21/ SA32/HDCL2-6.5/HDCL3-6/HDCL3-10/LA25/LA35/DH30
ZHENJIANG MARINE	OFF-SHORE DAVIT :	PL65/PL85/PL100/PL110/PL120/PL138/PL150/PL180/PL200/PL230
ZHENJIANG MARINE	FASTRESCUE BOAT DAVIT :	LFR30/LFR35/LFR55/LFRH30/LEFR50/LFRH60/DH30/SAWH30/SAWH145/SAWH60
ZHENJIANG MARINE	TOTALLY ENCLOSED LIFEBOAT :	YH5.0QFP/YH5.0QFN/YH6.5QFP/YH6.5QFN/YH8.5QFP /YH8.5QFN/YH8.5QFP-A /YH8. 5QFN-A/YH10.3 QFP/YH 10.3 QFN/YH9.5QFP/YH9.5QFN/YH 12.0QFP /YH 12.0QFN /YH9.9BFP/YH 12.5BFP/ZZHG-BF- I 2.5
ZHENJIANG MARINE	FREE FALL LIFEBOAT:	YH5.9FP/ YH5.9FN/YH6.7FP/YH6.7FN/YH7.5 FP/YH7.5 FN/YH8.5 FP/YH8.5 FN
ZHENJIANG MARINE	FAST RESCUE BOAT :	YH6.0FRA/YH6.0FRB/YH6.5FRA/YH6.5FRB
ZHENJIANG MARINE	RESCUE BOAT:	YH 4.5R/YH4.5DR/YH7.5
ZHENJIANG MARINE	HOOK:	HK25/HK25B/HK40/HK40C/HK65/SH55/SH70/SH85
GURDESAN	Rescue Boat /Life Raft Provision Crane	ALL TYPES
GURDESAN	Free Fall Davits (Launching and Retrieval Systems)	ALL TYPES
GURDESAN	Side Launching Davits	ALL TYPES
GURDESAN	Accommodation Ladder and Gangways	ALL TYPES

GURDESAN	Rescue Boat / Liferafts / Provision Davits	GURDESAN LSA TYPES GD.RRS 15/3,5 , GD.RRS 15/3,5 A , GD.RRS 21/4.0, GD.RRS 25/4.0, GD.RRS 25 A, GD.RRS 64A, GD.RRS 64B, GD.KHK 20/4-5-6-7-8-9-10, GD.KHK 30 / 6.5, GD.KHK 60/13.5, GD.GR 20, GD.GR 25, GD.GR 40, GD.GR 43, GD.HBMA 30/50, GD.HBMK 30/5-6-7-8, GD.HBMK 40/5-6-7-8, GD.HBMK 50/5-6-7-8, GD.FFD 10C, GD.FFD 12, GD.FFD 12Y, GD.FFD 15A, GD.FFD 18, GD.FFD 19, GD.FFD 19A, GD.FFD 19C, GD.FFD 19 E, GD.FFD 20, GD.FFD 20 B, GD.FFD 20C, GD.FFD 20 Y, GD.FFD 21, GD.FFD 21 Y, GD.FFD 22, GD.FFD 22Y, GD.FFD 25, GD.FFD 25A, GD.FFD 25B, GD.FFD 25C, GD.FFD 26, GD.FFD 28, GD.FFD 35
Jiangyinshi Beihai	BOAT	SERIES OF SC, JYB
Jiangyinshi Beihai	HOOK	SERIES JYBHK
Jiangyinshi Beihai	DAVIT	SERIES OF SM, SAC , SA , FA, LB, LA, BHGH, PD, FRH, EHRD, SRH, BHGP, RP , HB , HDC,ESAD.
Jiangyinshi Beihai	WINCH	SERIES OF D,DW,HW,JYBW,FFW
ORIENTAL	HINGED GRAVITY TYPE DAVIT	HGD SERIES , HGK SERIES , SHS SERIES , RTD SERIED , DHA SERIES , DMA SERIES
ORIENTAL	HINGED GRAVITY TYPE WINCH	BWE SERIES , SWE SERIES , WL SERIES
ORIENTAL	FREEFALL DAVIT & WINCH	FD SERIES , WL SERIES
ORIENTAL	RESCUE/ LIFERAFT DAVIT & WINCH	RD SERIES , RDW SERIES

QINGDAO BEIHAI	LIBEBOAT TOTAL ENCLOSED	BH-5, 5A , 5S, 5SA, E500, E585,6,6A,6S, E670,7A,7B,8.
QINGDAO BEIHAI	LIFEBOAT FREEFALL	BH-F6.0F7. 0A, F7.8, F8.1, F5.8, F6.8, F660, F670, F750, F900A,
QINGDAO BEIHAI	LIFEBOAT RESCUE	BH-R4,R4S.R4SA.R5S
QINGDAO BEIHAI	DAVIT GRAVITY PIVOT	BD-PV50, PV60S, PV85, PV125
QINGDAO BEIHAI	DAVIT FREEFALL LAUNCHING	BD-FF55,55A,55R,FF80, 80R,80A.80B,FF65/66/67, F85
QINGDAO BEIHAI	DAVIT SINGLE ARM	BD-SA14,14A,14B,SA21, 21A,SA23,SA30,30A,SA33, SH23
QINGDAO BEIHAI	WINCH	BW-H(L/R)31, 50,63,75;L (L/R)75,125;SC14;21, YSB20-120
QINGDAO BEIHAI	RELEASE MECHANISM GRAVITY LIFEBOAT	BG-3,3L,BG-7;BH-HOOK3, HOOK5,FS5,FS7
QINGDAO BEIHAI	RELEASE MECHANISM FREEFALL LIFEBOAT	BG-3.5F,4F,4.5F,4.5FL.5F, 6F
QINGDAO BEIHAI	RELEASE MECHANISM RESCUE BOAT	BG-2R,15KNXS,25KNXS, 35KNXS
WUXI HAIHONG BOAT	Totally enclosed life / rescue boat series:	HH50C / HH50T HH53C / HH53T(QFP(H)5.3) / HH57C / HH57T / HH65C / HH65T (QFP(H)6.5/QFN(H)6.5) / HH65CS / HH65TS (QFP6.5/QFN6.5) / HH70C / HH70T (QFP7.0/QFN7.0) / H75CS / HH75TS(QFP7.5/QFN7.5) / HH75C(QFP(H)7.5) / HH80CS / HH80TS (QFP8.0/QFN8.0) / HH85C / HH85T / HH85CS/HH85TS (QFP8.5/QFN8.5)

WUXI HAIHONG BOAT	Freefall Lifeboat Series:	HH59FC / HH59FF HH76FC / HH76FF
WUXI HAIHONG BOAT	Rescue Boat Series:	GJ4.5B / GJ4.5B1
WUXI HAIHONG BOAT	High Speed Rescue Boat:	GJ618A / GJ618B
WUXI HAIHONG BOAT	Release Gear	HH76 / HH43 / HH30 / HH20
WUXI MINGZI	LIFEBOAT HOOK	HK40 S.W.L 40 KN
WUXI MINGZI	LIFEBOAT HOOK	WHK 40 S.W.L 40 KN
WUXI MINGZI	LIFEBOAT HOOK	WHK 65 S.W.L 65 KN
WUXI MINGZI	DAVIT LAUNCHED RESCUE BOAT MANUAL RELEASE HOOK	21-25 KN S.W.L 25 KN
WUXI MINGZI	DAVIT LAUNCHED LIFERAFT MANUAL RELEASE HOOK	15KN S.W.L 15 KN
WUXI MINGZI	LIFERAFT / RESCUE BOAT MANUAL / AUTOMATIV RELEASE HOOK	31-37 KN S.W.L 37 KN
WUXI XINGSHENG	INSPECTION /MAINTENANCE / REPAIR PERSONNEL FOR RELEASE HOOKS	INSPECTION /MAINTENANCE / REPAIR PERSONNEL FOR RELEASE HOOKS 35, KN RESCUE BOAT ,LIFE RAFTS ,25 KN LIFE RAFTS , 15 KN LIFE BOAT RELEASE HOOKS

Certified in accordance with ISO 23678 (Delmar Academy) established certification programme:

MAKE	TYPE	MODEL/SERIES
ACEBI	Partially enclosed lifeboat, twin fall	PELB-series
ACEBI	Totally enclosed lifeboat, twin fall, with sprinkler and air system	PELB-series, TELB-series
AMBAR MARINE	Rescue Boat, single fall	AM420-series

AVON	Rescue Boat, single fall	RB-series, SR-series
BALDEN	Totally enclosed lifeboat, freefall	BD-FFC-series, BD-FFT-series
BALDEN	Totally enclosed lifeboat, twin fall, with air system	BD-LB-series
BALDEN	Totally enclosed lifeboat, twin fall, with sprinkler and air system	BD-LB-series
BIANCHI & CHECCHI	Partially enclosed lifeboat, twin fall	PE-series
BROOKER	Totally enclosed lifeboat, single fall	CA-series
CASTOLDI S.R.L.	Rescue Boat, single fall	JET TENDER 18 RB-series
DAFER (NARWHAL)	Fast Rescue Boat, single fall	FRB-series
DAFER (NARWHAL)	Rescue Boat, single fall	FRB 700-series, FRB 900-series, SV-series
DELTA	Rescue Boat, single fall	COMET-series, PHANTOM-series
DSB DEUTSCHE SCHLAUCHBOOTE	Rescue Boat, single fall	IRB-series
DSB ENGINEERING CO LTD	Partially enclosed lifeboat, twin fall	DSBP-series
DSB ENGINEERING CO LTD	Rescue Boat, single fall	DSBRB-series, DSBRFA-series
DSB ENGINEERING CO LTD	Totally enclosed lifeboat, freefall	DSBFC-series, DSBFF-series
DSB ENGINEERING CO LTD	Totally enclosed lifeboat, twin fall, with air system	DSBC-series
DSB ENGINEERING CO LTD	Totally enclosed lifeboat, twin fall, with sprinkler and air system	DSBF-series
FASSMER	Fast Rescue Boat, single fall	FRR-series
FASSMER	Partially enclosed lifeboat, twin fall	CL-P-series, PLL-series, PLT-series, SEL-series
FASSMER	Rescue Boat, single fall	FRIR-series, RR-series
FASSMER	Totally enclosed lifeboat, freefall	CFL-series, GAR-series, GAR-T-series
FASSMER	Totally enclosed lifeboat, twin fall, with air system	CL-series, CLR-series, CLX-series, GMR-series
FASSMER	Totally enclosed lifeboat, twin fall, with sprinkler and air system	CL-series, CLR-series, CLX-series, DRAGON-series, T-GMR-series
FASSMER MARLAND	Rescue Boat, single fall	RR-series
FASSMER MARLAND	Totally enclosed lifeboat, freefall	CFL-C-series, CFL-T-series
FASSMER MARLAND	Totally enclosed lifeboat, twin fall, with air system	DRAGON C-series, HH-C-series
FASSMER MARLAND	Totally enclosed lifeboat, twin fall, with sprinkler and air system	DRAGON F-series, HH-T-series
GEPA	Fast Rescue Boat, single fall	G-FRB-series

GEPA	Partially enclosed lifeboat, twin fall	G-FYK-series
GEPA	Rescue Boat, single fall	G-RB-series
GEPA	Totally enclosed lifeboat, freefall	G-FFF-series
GEPA	Totally enclosed lifeboat, twin fall, with air system	G-FK-series
GEPA	Totally enclosed lifeboat, twin fall, with sprinkler and air system	GFK-FP-series
GREBEN	Partially enclosed lifeboat, twin fall	PEL-series
GREBEN	Rescue Boat, single fall	RB-series
GREBEN	Totally enclosed lifeboat, freefall	FFL-series
GREBEN	Totally enclosed lifeboat, twin fall, with air system	TEL-series
GREBEN	Totally enclosed lifeboat, twin fall, with sprinkler and air system	TEL-FP-series
HARDING (UMOE SCHAT HARDING)	Partially enclosed lifeboat, twin fall	CTL-series, ML-series, MPC-series
HARDING (UMOE SCHAT HARDING)	Rescue Boat, single fall	MOB 4.5A-series
HARDING (UMOE SCHAT HARDING)	Totally enclosed lifeboat, freefall	FF-series
HARDING (UMOE SCHAT HARDING)	Totally enclosed lifeboat, twin fall, with air system	MCF-series
HARDING (UMOE SCHAT HARDING)	Totally enclosed lifeboat, twin fall, with sprinkler and air system	MCB-series, MCM-series
HARDING (WATERCRAFT)	Partially enclosed lifeboat, twin fall	MOB-series, MOBAC-series, PELB-series, PERB-series
HARDING (WATERCRAFT)	Totally enclosed lifeboat, freefall	WFF-series
HARDING (WATERCRAFT)	Totally enclosed lifeboat, twin fall, with sprinkler and air system	MK 1-series, MK 2-series, MK 3-series, MK 4-series, MK 5-series
HARDING BOAT BUILDING (QINGDAO) CO., LTD.	Totally enclosed lifeboat, twin fall, with air system	TECB-series
HATECKE (ERNST HATECKE)	Partially enclosed lifeboat, twin fall	PEL-series, PL-series
HATECKE (ERNST HATECKE)	Rescue Boat, single fall	FRB-series, RB-series
HATECKE (ERNST HATECKE)	Totally enclosed lifeboat, freefall	GFF-series
HATECKE (ERNST HATECKE)	Totally enclosed lifeboat, twin fall, with sprinkler and air system	GSL-series
HLB (HYUNDAI LIFEBOATS)	Fast Rescue Boat, single fall	HDFR-series
HLB (HYUNDAI LIFEBOATS)	Rescue Boat, single fall	HDR-series
HLB (HYUNDAI LIFEBOATS)	Totally enclosed lifeboat, freefall	HDFN-F-series, HDFN-T-series

HLB (HYUNDAI LIFEBOATS)	Totally enclosed lifeboat, twin fall, with air system	HDL-series, HLB-series, HT78- series
HLB (HYUNDAI LIFEBOATS)	Totally enclosed lifeboat, twin fall, with sprinkler and air system	HDL-series, HLB-series
HOEI SENPAKU CO, LTD	Totally enclosed lifeboat, twin fall, with air system	HS-series
HOEI SENPAKU CO, LTD	Totally enclosed lifeboat, twin fall, with sprinkler and air system	HS650F-series, HSF-series
HYUNDAI LIFEBOATS CO. LTD	Totally enclosed lifeboat, freefall	HDFL740F-series
IHI MARINE UNITED INC	Open lifeboat, twin fall	G-series
IHI MARINE UNITED INC	Totally enclosed lifeboat, twin fall, with air system	GTC-series, GTC-C-series
IHI MARINE UNITED INC	Totally enclosed lifeboat, twin fall, with sprinkler and air system	GT-F-series, GTC-F-series, GTRF-series
JAPAN MARINE UNITED CORP	Totally enclosed lifeboat, twin fall, with air system	GF-series
JAPAN MARINE UNITED CORP	Totally enclosed lifeboat, twin fall, with sprinkler and air system	GTR-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Rescue Boat, single fall	GJ-series, GJF-series, GZ-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Totally enclosed lifeboat, freefall	JY-FF-series, JY-FN-series, JYMFF-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Totally enclosed lifeboat, twin fall, with air system	JY-QFN-series, JY-QFP-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Totally enclosed lifeboat, twin fall, with sprinkler and air system	JY-QFN-series, JY-QFP-series
JIANGYIN NEPTUNE	Totally enclosed lifeboat, twin fall, with air system	NPT-C-series, SC-series
JIANGYIN NEPTUNE	Totally enclosed lifeboat, twin fall, with sprinkler and air system	NPT-F-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Partially enclosed lifeboat, twin fall	NPT-P-series, NPT-PT-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Rescue Boat, single fall	NPT-R-series, NPT-RA-series, NPT-RB-series, NPT-RFA-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Totally enclosed lifeboat, freefall	NPT-FA-series, NPT-FC-series, NPT-FCA-series, NPT-FF-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Open lifeboat, twin fall	JYK-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Partially enclosed lifeboat, twin fall	JYP-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Rescue Boat, single fall	JYDR-series, JYKR-series

JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Totally enclosed lifeboat, freefall	JYCF-series, JYFF-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Totally enclosed lifeboat, twin fall, with air system	JYC-series, JYCA-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Totally enclosed lifeboat, twin fall, with sprinkler and air system	JYF-series, JYFA-series
JIANGYIN XINJIANG	Rescue Boat, single fall	GJ-series, GJ- B-series
JIANGYIN XINJIANG	Totally enclosed lifeboat, freefall	JY-FN-series
JIANGYINSHI BEIHAI	Fast Rescue Boat, single fall	JYB-G-series, JYB-Q-series
JIANGYINSHI BEIHAI	Open lifeboat, twin fall	JYB-K-series
JIANGYINSHI BEIHAI	Partially enclosed lifeboat, twin fall	JYB-B-series
JIANGYINSHI BEIHAI	Rescue Boat, single fall	JY-BR-series, JYB-KR-series, SCK-series, SC-KR-series
JIANGYINSHI BEIHAI	Totally enclosed lifeboat, freefall	JYB-FC-series, JYB-FF-series
JIANGYINSHI BEIHAI	Totally enclosed lifeboat, twin fall, with air system	JYB-C-series
JIANGYINSHI BEIHAI	Totally enclosed lifeboat, twin fall, with sprinkler and air system	JYB-F-series
MARE SAFETY	Rescue Boat, single fall	RB-series
MARITME 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
MARITME PARTNERS (HUKKELBERG BOATS)	Fast Rescue Boat, single fall	SPRINGER-series
MULDER EN RIJKE	Partially enclosed lifeboat, twin fall	PELB-series, PTL-series
MULDER EN RIJKE	Totally enclosed lifeboat, single fall	TELB-S-series
MULDER EN RIJKE	Totally enclosed lifeboat, twin fall, with sprinkler and air system	TELB-series
NARWHAL	Rescue Boat, single fall	SV-series
NARWHAL (DAFER)	Fast Rescue Boat, single fall	SV-series
NED-DECK MARINE (PALFINGER)	Rescue Boat, single fall	NMD 4.40 RESCUE-series
NED-DECK MARINE (PALFINGER)	Totally enclosed lifeboat, twin fall, with sprinkler and air system	NPT-series, PN85F-series
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Fast Rescue Boat, single fall	YZRA-series, YZRB-series

NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Open lifeboat, twin fall	BJ-series
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Rescue Boat, single fall	BJ-series, YZ-series
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Totally enclosed lifeboat, freefall	YZFC-series, YZFF-series
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Totally enclosed lifeboat, twin fall, with air system	YZC-series
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Totally enclosed lifeboat, twin fall, with sprinkler and air system	YZF-series
NINGBO NEW MARINE LIFESAVING EQUIPMENT CO. LTD	Totally enclosed lifeboat, twin fall, with air system	NM-series
NISHI-F CO., LTD. (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Fast Rescue Boat, single fall	FRP-series
NISHI-F CO., LTD. (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Open lifeboat, twin fall	NF-series, NFA-series
NISHI-F CO., LTD. (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Partially enclosed lifeboat, twin fall	PML-series
NISHI-F CO., LTD. (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Totally enclosed lifeboat, freefall	FF-series
NISHI-F CO., LTD. (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Totally enclosed lifeboat, twin fall, with air system	CML-series, EML-series, G-TR-series
NISHI-F CO., LTD. (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Totally enclosed lifeboat, twin fall, with sprinkler and air system	CML-series, EML-series, G-FR-series
NOREQ	Partially enclosed lifeboat, twin fall	LBP-series
NOREQ (PALFINGER)	Fast Rescue Boat, single fall	FRB-series
NOREQ (PALFINGER)	Rescue Boat, single fall	RRB-series
NOREQ (PALFINGER)	Totally enclosed lifeboat, freefall	LBF-series
NOREQ (PALFINGER)	Totally enclosed lifeboat, twin fall, with sprinkler and air system	LBT-series
NORMAR	Fast Rescue Boat, single fall	FRC-series
NORMAR	Rescue Boat, single fall	RESCUE-series
NORMAR	Totally enclosed lifeboat, freefall	JY-FF 4.9 TO 8.5C-series, JY-FF 4.9 TO 8.5T-series
OY FISKARS AB	Totally enclosed lifeboat, twin fall, with air system	TELB-series
OY FISKARS AB	Totally enclosed lifeboat, twin fall, with sprinkler and air system	TELB-series
PALFINGER	Fast Rescue Boat, single fall	FRSQ-series
PALFINGER	Partially enclosed lifeboat, twin fall	TL-series, MPC-series, NPT-T-series
PALFINGER	Rescue Boat, single fall	RSQ-series
PALFINGER	Totally enclosed lifeboat, freefall	FF-series, NPT-FC-series, NPTFF-series

PALFINGER	Totally enclosed lifeboat, twin fall, with air system	KISS-C-series, NPT-F-series
PALFINGER	Totally enclosed lifeboat, twin fall, with sprinkler and air system	KISS-T-series, NPT-C-series
PESBO S.A	Totally enclosed lifeboat, freefall	BSL-series
PESBO S.A	Totally enclosed lifeboat, twin fall, with air system	BSC-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Fast Rescue Boat, single fall	BH-HR7-series, FRB-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Partially enclosed lifeboat, twin fall	BH10-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Rescue Boat, single fall	BH-R-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Totally enclosed lifeboat, freefall	BH-F-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Totally enclosed lifeboat, twin fall, with air system	BH-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Totally enclosed lifeboat, twin fall, with sprinkler and air system	BH-series
SHIGI SHIPBUILDING CO. LTD.	Fast Rescue Boat, single fall	FRP-series
SHIGI SHIPBUILDING CO. LTD.	Open lifeboat, twin fall	SZGM-series, SZGO-series
SHIGI SHIPBUILDING CO. LTD.	Partially enclosed lifeboat, twin fall	SZP-series, SZPR-series
SHIGI SHIPBUILDING CO. LTD.	Rescue Boat, single fall	SZRS-series, VOX46-series
SHIGI SHIPBUILDING CO. LTD.	Totally enclosed lifeboat, freefall	FEL-series
SHIGI SHIPBUILDING CO. LTD.	Totally enclosed lifeboat, twin fall, with air system	SZBR-series
SHIGI SHIPBUILDING CO. LTD.	Totally enclosed lifeboat, twin fall, with sprinkler and air system	SZTR-series
STOCZNIA USTKA SP. Z O.O.	Fast Rescue Boat, single fall	FRB-series
STOCZNIA USTKA SP. Z O.O.	Rescue Boat, single fall	R-series, RIB-series
STOCZNIA USTKA SP. Z O.O.	Totally enclosed lifeboat, freefall	FFB-series
STOCZNIA USTKA SP. Z O.O.	Totally enclosed lifeboat, twin fall, with air system	Z-series
SURVITEC	Totally enclosed lifeboat, freefall	FF-series
SURVITEC	Totally enclosed lifeboat, twin fall, with air system	SC-series
SURVITEC	Totally enclosed lifeboat, twin fall, with sprinkler and air system	SC-series
SURVIVAL SYSTEMS INT	Fast Rescue Boat, single fall	FRB-series
SURVIVAL SYSTEMS INT.	Totally enclosed lifeboat, single fall	CA-series

TSUNEISHI	Totally enclosed lifeboat, twin fall, with air system	TL-TE-series
TSUNEISHI (KAMBARA RINGYO)	Totally enclosed lifeboat, twin fall, with air system	KL-TE-series
TSUNEISHI (KAMBARA RINGYO)	Totally enclosed lifeboat, twin fall, with sprinkler and air system	KL-FP-series
TSUNEISHI (SANYO WORKS)	Totally enclosed lifeboat, twin fall, with air system	TE-series
TSUNEISHI (SANYO WORKS)	Totally enclosed lifeboat, twin fall, with sprinkler and air system	FP-series
VANGUARDE	Fast Rescue Boat, single fall	VG-FRK-series, VG-FRW-series
VANGUARDE	Rescue Boat, single fall	VG-DRS-series, VG-KR-series
VANGUARDE	Totally enclosed lifeboat, twin fall, with air system	VG-C-series
VANGUARDE	Totally enclosed lifeboat, twin fall, with sprinkler and air system	VG-F-series, VG-HLB-series
VIKING (NORSAFE)	Fast Rescue Boat, single fall	MAGNUM-series, MAKO-series, MERLIN-series
VIKING (NORSAFE)	Partially enclosed lifeboat, twin fall	MINIMA-series
VIKING (NORSAFE)	Rescue Boat, single fall	MAKO-series, MERLIN-series, MIDGET-series
VIKING (NORSAFE)	Totally enclosed lifeboat, freefall	JYN-series
VIKING (NORSAFE)	Totally enclosed lifeboat, twin fall, with air system	JYN-C-series, MAGGIE-C-series, MATILDA-C-series, MAUD-C-series, MAXIMA-C-series, MIRAM -C-series
VIKING (NORSAFE)	Totally enclosed lifeboat, twin fall, with sprinkler and air system	JYN-T-series, MAGGIE-T-series, MATILDA-T-series, MAUD-T-series, MAXIMA-T-series, MIRAMT-series
VIKING (NORSAFE) (JIANGYIN)	Rescue Boat, single fall	MATRIX-series
VIKING (NORSAFE) (JIANGYIN)	Totally enclosed lifeboat, freefall	GES-series
VIKING NEUVISA	Fast Rescue Boat, single fall	RR-40-series
WATERCRAFT (WATERCRAFT HELLAS)	Rescue Boat, single fall	4.9M-RB-series
WATERMAN OY	Partially enclosed lifeboat, twin fall	365-series, 367-series, 391- series, 393-serie
WATERMAN OY	Totally enclosed lifeboat, twin fall, with sprinkler and air system	351-series, 366-series, 366HRLseries, 368-series, 371-series, 371HR-series, 377-series, 379- series
WHITTAKER	Totally enclosed lifeboat, single fall	CA-series
WUXI HAIHONG BOAT MAKING CO., LTD	Open lifeboat, twin fall	BH-series, BJ-series
WUXI HAIHONG BOAT MAKING CO., LTD	Rescue Boat, single fall	JG-series

WUXI HAIHONG BOAT MAKING CO., LTD	Totally enclosed lifeboat, freefall	HH-FC-series, HH-FF-series
WUXI HAIHONG BOAT MAKING CO., LTD	Totally enclosed lifeboat, twin fall, with air system	HH-C-series, HH-CS-series
WUXI HAIHONG BOAT MAKING CO., LTD	Totally enclosed lifeboat, twin fall, with sprinkler and air system	HH-T-series, HH-TS-series
WUXI WENJIAO	Fast Rescue Boat, single fall	WJ-RA-series, WJ-RB-series
WUXI WENJIAO	Open lifeboat, twin fall	BH-series, BJ-series, WJ-series
WUXI WENJIAO	Rescue Boat, single fall	WJ-series
WUXI WENJIAO	Totally enclosed lifeboat, freefall	WJFF-series, WJFFC-series
WUXI WENJIAO	Totally enclosed lifeboat, twin fall, with air system	WJBC-series
WUXI WENJIAO	Totally enclosed lifeboat, twin fall, with sprinkler and air system	WJBF-series
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Fast Rescue Boat, single fall	YH-FRB-series
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Rescue Boat, single fall	YH-FRA-series, YH-R-series
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Totally enclosed lifeboat, freefall	YH-series
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Totally enclosed lifeboat, twin fall, with air system	YH-QFP-series
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Totally enclosed lifeboat, twin fall, with sprinkler and air system	YH-DR-series
ZODIAC (SURVITEC)	Fast Rescue Boat, single fall	RIB-series
ZODIAC (SURVITEC)	Rescue Boat, single fall	H472S-series, RIBO-series
ZODIAC HURRICANE	Rescue Boat, single fall	H561 PROLUXE-series
RELEASE GEAR		
MAKE	TYPE	MODEL
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Devices For Activating Release: Central Release Unit	BD-LH-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Devices for activating release: Free Fall Hydraulic Primary and Secondary	BHA-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Freefall Hydraulic / mechanical	BHA-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Rescue boat / Davit Launched Liferaft / Lift over centre automatic	BHA-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Rescue boat offload lift over center	BHR-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Rescue boat offload w. Onload capability	BHR255-series

BALDEN	Lifeboat on load lift not over centre, flat to flat rotating cams	BD-LBH-series
BALDEN	Rescue boat / Davit Launched Liferaft / Lift over centre automatic	BDHR-series
BC SERVICE	Devices For Activating Release: Central Release Unit	U HOOK-series
BC SERVICE	Devices For Activating Release: Hydrostatic interlock with diaphragm	U HOOK-series
BC SERVICE	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	U HOOK-series
BC SERVICE	Rescue boat offload lift over center	U HOOK-series
CHANG SHENG	Rescue boat / Davit Launched 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
DAVIT INTERNATIONAL	Rescue boat offload lift over center	OLH-series
DAVIT INTERNATIONAL	Rescue boat offload w. Onload capability	RH-series
FASSMER	Devices For Activating Release: Central Release Unit	DUPLEX < 6.6t-series,="" duplex=""> 6T-series
FASSMER	Devices for activating release: Free Fall Hydraulic Primary and Secondary	FFH-series
FASSMER	Devices For Activating Release: Hydrostatic interlock with float	DUPLEX < 6.6t-series,="" duplex=""> 6T-series
FASSMER	Freefall Hydraulic / mechanical	F-series
FASSMER	Lifeboat on load lift not over centre, Curve to flat rotating cams	DUPLEX>6T-series
FASSMER	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	DUPLEX<>
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
GLOBAL DAVIT	Lifeboat on load lift not over centre	HRL-series
GLOBAL DAVIT	Rescue boat / Davit Launched Liferaft / Lift over centre automatic	HRL.26-series
GLOBAL DAVIT	Rescue boat offload lift over center	HRN-series

GLOBAL DAVIT	Rescue boat offload w. Onload capability	HR-series
GREBEN	Devices For Activating Release: Central Release Unit	NLH-series
GREBEN	Devices For Activating Release: Electronic Sensor	NLH-series
GREBEN	Lifeboat on load lift not over centre, up and down pins / collars	NLH-series
HARDING (UMOE SCHAT HARDING)	Devices for activating release: Free Fall Hydraulic Primary and Secondary	FFH-series
HARDING (UMOE SCHAT HARDING)	Fast rescue boat offload / Manual or automatic	CAR-35F-series
HARDING (UMOE SCHAT HARDING)	Freefall Hydraulic / mechanical	FFH-series
HARDING (UMOE SCHAT HARDING)	Rescue boat / Davit Launched Lifter / Lift over centre automatic	ARH 23-series
HARDING (UMOE SCHAT HARDING)	Rescue boat offload w. Onload capability	RRH-series
HARDING (UMOE SCHAT HARDING) (PALFINGER)	Devices For Activating Release: Central Release Unit	LHR-series, LHR M2-series
HARDING (UMOE SCHAT HARDING) (PALFINGER)	Devices For Activating Release: Hydrostatic interlock with diaphragm	LHR-series, LHR M2-series
HARDING (UMOE SCHAT HARDING) (PALFINGER)	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	LHR-series, LHR M2-series
HATECKE (ERNST HATECKE)	Devices For Activating Release: Central Release Unit	DUPLEX < 6t-series,="" duplex=""> 6T-series
HATECKE (ERNST HATECKE)	Devices for activating release: Free Fall Hydraulic Primary and Secondary	GFF-series
HATECKE (ERNST HATECKE)	Devices For Activating Release: Hydrostatic interlock with float	DUPLEX < 6t-series,="" duplex=""> 6T-series
HATECKE (ERNST HATECKE)	Fast Rescue Boat Offload with On-Load Capability	SIMPLEX 1,85-series
HATECKE (ERNST HATECKE)	Freefall Hydraulic / mechanical	GFF-series
HATECKE (ERNST HATECKE)	Lifeboat on load lift not over centre, Curve to flat rotating cam	DUPLEX>6T-series
HATECKE (ERNST HATECKE)	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	DUPLEX
HATECKE (ERNST HATECKE)	Rescue boat offload lift over center	SIMPLEX OFFLOAD-series
HATECKE (ERNST HATECKE)	Rescue boat offload w. Onload capability	SIMPLEX-series
HENRIKSEN	Fast rescue boat offload / Manual or automatic	HCH-series, HMK-series

HLB (HYUNDAI LIFEBOATS)	Devices For Activating Release: Central Release Unit	TALON MK 1-series, TALON MK 2 - series
HLB (HYUNDAI LIFEBOATS)	Devices For Activating Release: Hydrostatic interlock with diaphragm	TALON MK 1-series, TALON MK 2 - series
HLB (HYUNDAI LIFEBOATS)	Lifeboat on load lift not over centre, flat to flat rotating cams	TALON MK 1-series
HLB (HYUNDAI LIFEBOATS)	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	TALON MK 2-series
HOEI SENPAKU CO, LTD	Devices For Activating Release: Central Release Unit	HS-series, HS520 96-series, HS650 96-series
HOEI SENPAKU CO, LTD	Devices For Activating Release: Hydrostatic interlock with diaphragm	HS-series, HS 520 96-series, HS650 96-series
HOEI SENPAKU CO, LTD	Lifeboat on load lift not over centre, Curve to flat rotating cams	HS520 96-series, HS650 96- series
HOEI SENPAKU CO, LTD	Lifeboat on load lift not over centre, flat to flat rotating cams	HS-series
HOEI SENPAKU CO, LTD	Lifeboat on load lift not over centre, up and down pins / collars	HS520 83-series, HS650 83- series
IHI MARINE UNITED INC	Devices For Activating Release: Central Release Unit	JX-1-series
IHI MARINE UNITED INC	Devices For Activating Release: Hydrostatic interlock with diaphragm	JX-1-series
IHI MARINE UNITED INC	Lifeboat on load lift not over centre, up and down pins / collars	JX-1-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Devices For Activating Release: Central Release Unit	JX-1-series, JX-1B-series, JXN1B-series, JXN-1C-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Devices for activating release: Free Fall Hydraulic Primary and Secondary	JX-2-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Devices For Activating Release: Hydrostatic interlock with diaphragm	JX-1-series, JX-1B-series, JXN1B-series, JXN-1C-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Fast Rescue Boat Offload with On-Load Capability	JXN-series, JXN-3-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Freefall Hydraulic / mechanical	JX-2-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Lifeboat on load lift not over centre, up and down pins / collars	JX-1-series, JX-1B-series, JXN1B-series, JXN-1C-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD.	Lifeboat on load lift not over centre, up and down pins / collars	JX-1-series

JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Devices For Activating Release: Central Release Unit	NPT-50-series, NPT-HAN-series, NPT-HKC-series, PN-HCK-series, PN-HKC-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Devices For Activating Release: Hydrostatic interlock with float	NPT-50-series, NPT-HAN-series, NPT-HKC-series, PN-HKC-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Freefall Hydraulic / mechanical	NPT 70HKF-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Lifeboat on load lift not over centre, Curve to flat rotating cams	NPT-HK-series, NPT 50-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	NPT-HKC-series, PN-HKC-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Rescue boat / Davit Launched Liferaft / Lift over centre automatic	NPT-HK25F-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Rescue boat offload w. Onload capability	NPT-HK25R-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Devices For Activating Release: Central Release Unit	HK-series, JX-1-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Devices For Activating Release: Hydrostatic interlock with diaphragm	JX-1-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Fast Rescue Boat Offload with On-Load Capability	HK-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Freefall Hydraulic / mechanical	FHK-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Lifeboat on load lift not over centre, Curve to flat rotating cams	HK-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Lifeboat on load lift not over centre, up and down pins / collars	JX-1-series
JIANGYINSHI BEIHAI	Devices For Activating Release: Central Release Unit	JYB-HK-series
JIANGYINSHI BEIHAI	Devices For Activating Release: Hydrostatic interlock with diaphragm	JYB-HK-series
JIANGYINSHI BEIHAI	Fast Rescue Boat Offload with On-Load Capability	JYB-HK-series
JIANGYINSHI BEIHAI	Freefall Hydraulic / mechanical	JYB-HKF-series
JIANGYINSHI BEIHAI	Lifeboat on load lift not over centre, Curve to flat rotating cams	JYB-HK-series
MADROCK	Devices For Activating Release: Central Release Unit	ROCLOC-series
MADROCK	Devices For Activating Release: Hydrostatic interlock with float	ROCLOC-series

MADROCK	Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	ROCLOC-series
MANSEI	Rescue boat / Davit Launched Lifter / Lift over centre automatic	RH-series, RH3-series
NED-DECK MARINE (PALFINGER)	Rescue boat / Davit Launched Lifter / Lift over centre automatic	CAR 35-series
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Devices For Activating Release: Central Release Unit	HK-series
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Lifeboat on load lift not over centre, Curve to flat rotating cams	HK-series
NISHI-F CO., LTD. (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Devices For Activating Release: Central Release Unit	IHM 12-series, IHM 13-series, NS -series
NISHI-F CO., LTD. (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Devices for activating release: Free Fall Hydraulic Primary and Secondary	F-series, ML-series
NISHI-F CO., LTD. (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Devices For Activating Release: Hydrostatic interlock with float	IHM 12-series, IHM 13-series, NS -series
NISHI-F CO., LTD. (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Freefall Hydraulic / mechanical	F-series, ML-series
NISHI-F CO., LTD. (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Lifeboat on load lift not over centre, Curve to flat rotating cams	NS-series, SR-3-series
NISHI-F CO., LTD. (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	Lifeboat on load lift not over centre, up and down pins / collars	IHM 12-series, IHM 13-series
NOREQ (PALFINGER)	Fast Rescue Boat Offload with On-Load Capability	JXN-3-series
OPTIMUN MARINE	Rescue boat / Davit Launched Lifter / Lift over centre automatic	31-37KN-series
PALFINGER	Devices For Activating Release: Central Release Unit	NADIRO D.I.B.SERIES-series
PALFINGER	Devices for activating release: Free Fall Hydraulic Primary and Secondary	FFH-series, NPT-series
PALFINGER	Fast rescue boat offload / Manual or automatic	CAR-35F-series
PALFINGER	Freefall Hydraulic / mechanical	FFH-series
PALFINGER	Rescue boat / Davit Launched Lifter / Lift over centre automatic	CAR 35-series
PALFINGER	Rescue boat offload w. Onload capability	RRH-series
PESBO S.A	Freefall Hydraulic / mechanical	BSL-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Devices For Activating Release: Central Release Unit	BG-series

QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Devices For Activating Release: Hydrostatic interlock with diaphragm	BG-series
VIKING (NORSAFE)	Devices for activating release: Free Fall Hydraulic Primary and Secondary	GES-series, HRS-series, NFFH-series
VIKING (NORSAFE)	Devices For Activating Release: Hydrostatic interlock with diaphragm	TOR MK 1-series, TOR MK 2- series
VIKING (NORSAFE)	Fast Rescue boat offload	K4-series
VIKING (NORSAFE)	Freefall Hydraulic / mechanical	HRS-series, NFFH-series
VIKING (NORSAFE)	Lifeboat on load lift not over centre, flat to flat rotating cams	TOR MK 1-series, TOR MK 2- series
WILLIAM MILLS	Devices For Activating Release: Central Release Unit	TITAN-series
WILLIAM MILLS	Devices For Activating Release: Hydrostatic interlock with diaphragm	TITAN-series
WILLIAM MILLS	Lifeboat Offload release lift over centre	EMPRESS-series
WILLIAM MILLS	Lifeboat on load lift not over centre, flat to flat rotating cams	TITAN-series
WUXI WENJIAO	Fast Rescue Boat Offload with On-Load Capability	HK-series
WUXI XINGSHENG	Rescue boat / Davit Launched Liferaft / Lift over centre automatic	XS-series
WUXI XINGSHENG	Rescue boat offload w. Onload capability	XS15-series
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Lifeboat on load lift not over centre, Curve to flat rotating cams	HK-series
PROPULSION		
MAKE	TYPE	MODEL
BUKH	In board	DV 24 RME-series
HLB (HYUNDAI LIFEBOATS)	In board	HB29D1-series
MERCURY	Outboard	15P-series
NARWHAL	Outboard	NARWHAL / SV-420-series
YAMAHA	In board	25 HP-series
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	In board	380J-3-series
WINCH		
MAKE	TYPE	MODEL

ACEBI	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	TBE-series
ACEBI	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	TR-series
ACEBI	Twin Drum, gravity lowering /electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	TBE-series
ACGIN	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	BE-2-series
ACTA	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	KNT-series
ALEXANDER WELIN	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	AIW-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	BDF-series, BLW-series, BMW-series, BRW-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Single Drum, hydraulic lowering/hydraulic hoisting	HDF-series, PWD-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Twin Drum, gravity lowering /electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	BA-series, BM-series, PW-Dseries
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Twin Drum, gravity lowering /electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	BDTW-series, BMW-series, BW-series, BWR-series
BADA HEAVY INDUSTRIES CO. LTD	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric	BLW-series

	cam / decent brake centrifugal pads	
DAVIT COMPANY	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	16 EV-series, SRR-series
DAVIT COMPANY	Twin Drum, gravity lowering /electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	24EPB-series
DAVIT INTERNATIONAL	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	01KN-series, 02KN-series, 03 KN - series, 04KN-series, 06KNseries, 07KN- series
DAVIT INTERNATIONAL	Single Drum, hydraulic lowering/hydraulic hoisting	06KN-series
DAVIT INTERNATIONAL	Twin Drum, gravity lowering /electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	02-series, 03-series, 04-series, 12- series, 40-series
DONGNAM MARINE CRANE CO, LTD.	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	DSAD-series
DONGNAM MARINE CRANE CO, LTD.	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	DRBD-series, DRBLRW-series
DONGWOO MACHINERY & ENGINEERING CO., LTD.	Twin Drum, gravity lowering /electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	LW-series
EO LIFESAVING	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	W-series
FASSMER	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	DEW-series
FASSMER	Single Drum, hydraulic lowering/hydraulic hoisting	FFWH-series

FASSMER	Twin Drum, gravity lowering /electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake hydraulic pump	FDW-series
FASSMER	Twin Drum, gravity lowering /electrically hoisting w/holding static brakes, multiple disks, hydraulically operated / decent brake hydraulic pump	FDW-series
FASSMER MARLAND	Single Drum, hydraulic lowering/hydraulic hoisting	FFWH-series
GLOBAL DAVIT	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	01KN-series, 02KN-series, 03KNseries, 04KN-series, 08KN-series
GLOBAL DAVIT	Single Drum, hydraulic lowering/hydraulic hoisting	W05HC-series, W08HC-series, WS-series
GLOBAL DAVIT	Twin Drum, gravity lowering /electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	10KN-series, 14KN-series, 20KNseries, 26KN-series
GREBEN	Single Drum, hydraulic lowering/hydraulic hoisting	HW-series
GREBEN	Twin Drum, gravity lowering /electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	CW-series, EW-series
GURDESAN	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	GD-FLW-series
GURDESAN	Single Drum, hydraulic lowering/hydraulic hoisting	GD-HC-A-series
HAEAN MACHINERY IND. CO. LTD.	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	HMI-series
HAEAN MACHINERY IND. CO. LTD.	Single Drum, hydraulic lowering/hydraulic hoisting	HHD-PC-series
HARDING (UMOE SCHAT HARDING)	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	16 EBR-series

HARDING (UMOE SCHAT HARDING)	Twin Drum, gravity lowering /electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	HD-series, MW-series
HARDING (UMOE SCHAT HARDING)	Twin Drum, gravity lowering /electrically hoisting w/holding static brakes, multiple disks, hydraulically operated / decent brake hydraulic pump	CW-series, W-series
HARDING (UMOE SCHAT HARDING) (SCHAT DAVIT COMPANY) (PALFINGER)	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	08-02-series, FME-series
HARDING (UMOE SCHAT HARDING) (SCHAT DAVIT COMPANY) (PALFINGER)	Twin Drum, gravity lowering /electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	BE-series
HARDING (WATERCRAFT)	Twin Drum, gravity lowering /electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	MW-series, NW-series
HATECKE (ERNST HATECKE)	Single Drum, hydraulic lowering/hydraulic hoisting	FFA-series
HYDRALIFT	Single Drum, hydraulic lowering/hydraulic hoisting	SP-series
IHI MARINE UNITED INC	Twin Drum, gravity lowering /electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	MUW-series
IKNOW MACHINERY	Twin Drum, gravity lowering /electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	EB-series
IMT CO., LTD	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	ILR-W-series
JAPAN MARINE UNTIED CORP.	Twin Drum, gravity lowering /electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	MU-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric	JYRZ-series

	cam / decent brake centrifugal pads	
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Single Drum, hydraulic lowering/hydraulic hoisting	FW-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Twin Drum, gravity lowering /electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	JYW-series, JYWP-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	NPT-DW-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Twin Drum, gravity lowering /electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	NPT-DS-series, NPT-DW-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Twin Drum, gravity lowering /electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	JYD-series
JIANGYINSHI BEIHAI	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	YZ-series
JIANGYINSHI BEIHAI	Twin Drum, gravity lowering /electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	DS-series, DW-series, DZ-series, JYBW-series
JUNG-A-MARINE CO., LTD	Twin Drum, gravity lowering /electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	PCRLC-series
MACGREGOR (TTS) (HYDRAMARINE)	Single Drum, hydraulic lowering/hydraulic hoisting	HMW-series
MANSEI	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric	ERW-series, MLW-series, RMWseries, SW-series

	cam / decent brake centrifugal pads	
MANSEI	Single Drum, hydraulic lowering/hydraulic hoisting	06KN-series, FW-series
MANSEI	Twin Drum, gravity lowering /electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	AW-series, CMW-series, EW-series, MW-series
MANSEI	Twin Drum, gravity lowering /electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	ABW-series, FBW-series
MIURA MACHINE CO, LTD (MIURA VIDER) (MANSEI)	Twin Drum, gravity lowering /electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	LBH-series, RBH-series
NED-DECK MARINE (PALFINGER)	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	04-series
NED-DECK MARINE (PALFINGER)	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	HWCT-series
NED-DECK MARINE (PALFINGER)	Twin Drum, gravity lowering /electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	15-series
NOR DAVIT	Twin Drum, gravity lowering /electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	SP-series
NOREQ (PALFINGER)	Single Drum, hydraulic lowering/hydraulic hoisting	NW-series
ORIENTAL PRECISION	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	RDW-series
ORIENTAL PRECISION	Single Drum, hydraulic lowering/hydraulic hoisting	WL-series
ORIENTAL PRECISION	Twin Drum, gravity lowering /electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads /	BWE-series, SWE-series

	decent brake centrifugal w pads	
PALFINGER	Twin Drum, gravity lowering /electrically hoisting w/holding static brakes, multiple disks, hydraulically operated / decent brake hydraulic pump	CW-series, W-series
PELLEGRINI MARINE EQUIPMENT	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	RLC-series
PELLEGRINI MARINE EQUIPMENT	Twin Drum, gravity lowering /electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	VAS 45 E-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	BW-SC-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Twin Drum, gravity lowering /electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	BW-HL-series, BW-HR-series, BW-LL-series
SEC (SHIPS EQUIPMENT CENTRE)	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	WL-series
SEKIGAHARA	Twin Drum, gravity lowering /electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	SNW-series, SWE-series
SERVO SHIP S.L	Single Drum, hydraulic lowering/hydraulic hoisting	FFRW 4500KG-series
SURVIVAL SYSTEMS INT	Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	W-series
TAIZHOU HAIHAO MARINE EQUIPMENT CO, LTD	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	21KN-series

TMA	Single Drum, hydraulic lowering/hydraulic hoisting	TN/MW-series
TSUJI HEAVY INDUSTRIES	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	TC-series
TSUJI HEAVY INDUSTRIES	Twin Drum, gravity lowering /electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	EB-series
ULSTEIN FAMA (FAMA GNIEW)	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	ER10B-series, ERM-series
VERHOEF	Single Drum, hydraulic lowering/hydraulic hoisting	FL 50-series
VIKING (NORSAFE) (JIANGYIN)	Single Drum, hydraulic lowering/hydraulic hoisting	HYD-FF-series
VIKING (NORSAFE) (JIANGYIN)	Single Drum, hydraulic lowering/hydraulic hoisting	HYD-FF-series
WELIN LAMBIE	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	5619-series, 9502-series, RBW-series
WELIN LAMBIE	Twin Drum, gravity lowering /electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	53-series, 55-series, 97-series
WUXI DONGWU	Twin Drum, gravity lowering /electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	DS/Z-series, DZ-series
WUXI HUAHAI	Twin Drum, gravity lowering /electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	HMW-series
YOUNGNAM MACHINERY CO. LTD	Twin Drum, gravity lowering /electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	YNBW-series
ZHENJIANG DH MARINE EQUIPMENT CO., LTD	Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric	DW-series

	cam / decent brake centrifugal pads	
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Single Drum, hydraulic lowering/hydraulic hoisting	SAW30-series
ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	Twin Drum, gravity lowering /electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	D-series, DP-series
ZHENJIANG WEST MARINE EQUIPMENT CO., LTD	Single Drum, hydraulic lowering/hydraulic hoisting	WME-LRH35-series
ZOLLERN	Single Drum, hydraulic lowering/hydraulic hoisting	A2FM45-61A-series, ZHP-series, ZR- series
DAVIT		
MAKE	TYPE	MODEL
ABAS	Single arm Slewing	KDE-Series, MDE-Series
ACEBI	Free Fall secondary hydraulic A Frame	TPF-Series
ACEBI	Gravity single and twin fall outrigger	A-Series, AF-Series, PF-Series
ACEBI	Single arm Slewing	PFR-Series, RRP-Series, TPU-Series
ACEBI	Single Fall Rescue / Fast Rescue	TPF-Series, TPU-Series
Boat A Frame Hydraulic		
ACEBI	Twin Fall Gravity Pivoting / Luffing	SPG-series
ACEBI	Twin Fall Gravity Rollertrack	GRA-series
ACEBI	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	TPC-series
ACON	Single arm Slewing	R18700-series
ACTA	Free fall secondary hydraulic A Frame	HSC-series
ACTA	Single arm Slewing	DC-series, DR-series, HSC-series, MOB- series
ALEXANDER RYAN	Gravity single and twin fall outrigger	BH-series
ARIM	Single arm Slewing	AREH-series, ARPV-series
ARIM	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	ARPV-series
ARIM	Twin Fall Gravity Pivoting / Luffing	AHA-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Free fall secondary hydraulic A Frame	BDF-series, HDFL-series

BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Gravity freefall primary	BDF-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Single arm Slewing	BDR-series, BLR-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	BDA-series, BDFA-series, BFRD series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	BDTD-series, TT-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Twin Fall Gravity Pivoting / Luffing	BDH-series, BDMS-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Twin Fall Gravity Rollertrack	BDTW-series
BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	BDH-series
BIANCHI & CHECCHI	Gravity single and twin fall outrigger	PE-series, PET-series
COASTAL MARINE EQUIPMENT, INC.	Single arm Slewing	D-series
DAVIT COMPANY	Gravity single and twin fall outrigger	FFFDA-series
DAVIT COMPANY	Single arm Slewing	SRR-series
DAVIT INTERNATIONAL	Free fall secondary hydraulic A Frame	D-FH-series
DAVIT INTERNATIONAL	Gravity single and twin fall outrigger	D-FO-series, D-FOS-series
DAVIT INTERNATIONAL	Single arm Slewing	D-BR-series, D-CR.R-series, DCRH.R-series, D-CRM-series, DFOS-series, D-RC-series, D-RC.T -series, D.BC.R-series, D.CRE.R-series
DAVIT INTERNATIONAL	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	D-NPS.FR-series, D-NPS.MP-series, D-NPS.SP-series, DTT.SP.-series
DAVIT INTERNATIONAL	Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	D-FP.R-series, D-TT-series, DTT.SP-series
DAVIT INTERNATIONAL	Twin Fall Gravity Pivoting / Luffing	D-NP-series, D-NP.MP-series
DAVIT INTERNATIONAL	Twin Fall Gravity Rollertrack	D-RT-series
DAVIT INTERNATIONAL	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	D-NP-series, D-SP-series
DENIZSAN	Free fall secondary hydraulic A Frame	DSFDD-series
DENIZSAN	Single arm Slewing	DRBD-series, DRBLRD-series, DSRBD-series
DENIZSAN	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	DSFRB-series

DONGNAM MARINE CRANE CO, LTD.	Single arm Slewing	DCPV-series, DNRD-series, DR-series, DRBLRD-series, DSAC-series, DSAD-series
DONGNAM MARINE CRANE CO, LTD.	Twin Fall Gravity Pivoting / Luffing	DHGD-series
DONGWOO MACHINERY & ENGINEERING CO., LTD.	Twin Fall Gravity Pivoting / Luffing	DWS-series
DSB ENGINEERING CO LTD	Free fall secondary hydraulic A Frame	DSBDF-series
DSB ENGINEERING CO LTD	Single arm Slewing	DSB23DR-series
DSB ENGINEERING CO LTD	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	DSBARH-series, DSBDP-series, DSBDR-series
DSB ENGINEERING CO LTD	Twin Fall Gravity Pivoting / Luffing	DSBDL-series, DSBDTL-series
EO LIFESAVING	Single arm Slewing	CH-52-series
FASSMER	Free fall secondary hydraulic A Frame	FFH-series
FASSMER	Gravity freefall primary	FLR-series
FASSMER	Single arm Slewing	FSARR-series
FASSMER	Twin Fall Gravity Pivoting / Luffing	FPD-series
FASSMER	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	FMPD-series
FASSMER MARLAND	Free fall secondary hydraulic A Frame	FFH-series
GILBERT & SCHMALRIEDE. GMBH & CO. KG	Single arm Slewing	PJ1385-series
GILBERT & SCHMALRIEDE. GMBH & CO. KG	Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	PJ-1386-series
GLOBAL DAVIT	Gravity single and twin fall outrigger	GSP.O-series, RSP.O-series
GLOBAL DAVIT	Single arm Slewing	FHS-series, FHS.L-series, FHS.R-series, FHS.R.L-series, FHS.R.L.S-series, FHS.R.S-series, FHS.S-series, LMES.S-series, LML-series, LMS-series, LMS.S-series, R RMS-series, RHL -series, RHP-series, RHS-series, RHS.L-series, RHS.L.S-series, RHS.S-series, RMES.L.S-series, RMES.S-series, RML-series, RMS.L-series, RMS.L.S-series, RMS.S-series
GLOBAL DAVIT	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	RHP-series, RHP.HC-series

GLOBAL DAVIT	Twin Fall Gravity Pivoting / Luffing	GLP.FP-series, GLP.MP-series, GSP.FP-series, GSP.MP-series
GLOBAL DAVIT	Twin Fall Gravity Rollertrack	GLP.RT-series, GSP.RT-series, GSP.RT, GLP.RT-series
GLOBAL DAVIT	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	GLP.FLH-series, GLP.FPH-series, GSP.FLH-series, GSP.FPH-series, RHL-series, RHP-series
GREBEN	Free fall secondary hydraulic A Frame	HFF-series
GREBEN	Gravity single and twin fall outrigger	FOD-series
GREBEN	Single arm Slewing	SAR-series
GREBEN	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	RLC-series
GREBEN	Twin Fall Gravity Pivoting / Luffing	SPG-series
GREBEN	Twin Fall Gravity Rollertrack	GR-RTD-series
GREBEN	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	GD-PD-series, HD-series
GURDESAN	Free fall secondary hydraulic A Frame	GD-FFD-series
GURDESAN	Twin Fall Gravity Pivoting / Luffing	GD-GR series
GURDESAN	Single arm Slewing	GD-KHK-series, GD-RRS-series
HAEAN MACHINERY IND. CO. LTD.	Single arm Slewing	HED-PC-series, HHD-PC-series
HANYOUNG ENTERPRISE	Single arm Slewing	RESCUE BOAT DAVIT-series
HARDING (UMOE SCHAT HARDING)	Free fall secondary hydraulic A Frame	FF-series
HARDING (UMOE SCHAT HARDING)	Gravity freefall primary	FFB-series, LA-series
HARDING (UMOE SCHAT HARDING)	Gravity single and twin fall outrigger	HD-FL-series, ORD-series
HARDING (UMOE SCHAT HARDING)	Single arm Slewing	LAR-series, SAR-series, SPR-series, SRR-series
HARDING (UMOE SCHAT HARDING)	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	SA-series
HARDING (UMOE SCHAT HARDING)	Twin Fall Gravity Pivoting / Luffing	HD-SPG-series, HD-VIP-series, SPG(VL)-series
HARDING (UMOE SCHAT HARDING)	Twin Fall Gravity Rollertrack	GRA-series, HD-RT-series
HARDING (UMOE SCHAT HARDING)	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	SPD-series
HARDING (UMOE SCHAT HARDING) (SCHAT DAVIT COMPANY) (PALFINGER)	Single arm Slewing	MOB-series
HARDING (UMOE SCHAT HARDING) (SCHAT DAVIT COMPANY) (PALFINGER)	Twin Fall Gravity Pivoting / Luffing	SPG(L)-series

HARDING (UMOE SCHAT HARDING) (SCHAT DAVIT COMPANY) (PALFINGER)	Twin Fall Gravity Rollertrack	NT-series
HARDING (WATERCRAFT)	Twin Fall Gravity Rollertrack	WRG-series
HATECKE (ERNST HATECKE)	Free fall secondary hydraulic A Frame	FFA-series
HATECKE (ERNST HATECKE)	Gravity freefall primary	FFB-series
HATECKE (ERNST HATECKE)	Gravity single and twin fall outrigger	GSP.O-series
HATECKE (ERNST HATECKE)	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	GSP.FP-series
IHI MARINE UNITED INC	Twin Fall Gravity Pivoting / Luffing	MUL-series
IKNOW MACHINERY (TSUJI)	Twin Fall Gravity Pivoting / Luffing	HD-series
IMT CO., LTD	Single arm Slewing	ILR-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Free fall secondary hydraulic A Frame	JYF-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Gravity single and twin fall outrigger	JYP-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Single arm Slewing	JYRCA-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	JYR-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Twin Fall Gravity Pivoting / Luffing	JYL-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Twin Fall Gravity Rollertrack	JYGR-series
JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	JYHG-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Free fall secondary hydraulic A Frame	NPT-DF-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Gravity single and twin fall outrigger	NPT-DP-series, NPT-PL-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Single arm Slewing	NPT-DR-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	NPT- BE-series, NPT-DR-series
JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	Twin Fall Gravity Pivoting / Luffing	NPT-DL-series, NPT-DP-series, NPT- DYL-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Free fall secondary hydraulic A Frame	JY-FH-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Gravity single and twin fall outrigger	JYPL-series

JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Single arm Slewing	JYSA-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	JY-LFR-series, JY-LRHE-series, JY-PLR-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Twin Fall Gravity Pivoting / Luffing	JYPL-series
JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	Twin Fall Gravity Rollertrack	JYHE-series
JIANGYINSHI BEIHAI	Free fall secondary hydraulic A Frame	FA-series
JIANGYINSHI BEIHAI	Gravity single and twin fall outrigger	PD-series
JIANGYINSHI BEIHAI	Single arm Slewing	SA-series, SAC-series, SMR-series
JIANGYINSHI BEIHAI	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	EHRD-series, FRH-series, SRH-series
JIANGYINSHI BEIHAI	Twin Fall Gravity Pivoting / Luffing	BH-G-series, LA-series, LB-H-series
JIANGYINSHI BEIHAI	Twin Fall Gravity Rollertrack	HB-H-series, RB-H-series
JIANGYINSHI BEIHAI	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	BHGH-series
JUNG-A-MARINE CO., LTD	Single arm Slewing	PCRLC-series
KGW SCHWERINER MASCHINENBAU GMBH	Single arm Slewing	RB-series
MACGREGOR (TTS) (HYDRAMARINE)	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	G-TYPE-series
MACGREGOR (TTS) (HYDRAMARINE)	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	A-TYPE-series, HLD-series, HMC -series, HMD-series
MACGREGOR (TTS) (HYDRAMARINE)	Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	T-TYPE-series
MANSEI	Free fall secondary hydraulic A Frame	D-FH-series, FE-series, MFH-series
MANSEI	Single arm Slewing	R-series, SAR-series, SR-series
MANSEI	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	HER-series
MANSEI	Twin Fall Gravity Pivoting / Luffing	ABD-series, AH-series, AV-series, EH-series, EM-series, M-series
MANSEI	Twin Fall Gravity Rollertrack	AT-series, GRA-series
MIURA MACHINE CO, LTD (MIURA VIDER) (MANSEI)	Single arm Slewing	SPG(VD)-series
MIURA MACHINE CO, LTD (MIURA VIDER) (MANSEI)	Twin Fall Gravity Pivoting / Luffing	MVD-series
NAVIGATIONS	Single arm Slewing	1,1-series

NAVIM GROUP	Gravity single and twin fall outrigger	FDRB-series
NAVIM GROUP	Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	SPDT-L-series, SPDT-R-series, SPDT-T-series
NAVIM GROUP	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
NED-DECK MARINE (PALFINGER)	Single arm Slewing	SCH-series, SCM-series, SCT-series, SEC-series
NED-DECK MARINE (PALFINGER)	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	PFH-series, PRH-series, PRHE-series
NED-DECK MARINE (PALFINGER) T	Twin Fall Gravity Pivoting / Luffing	PL-series
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Free fall secondary hydraulic A Frame	YZF-series
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Single arm Slewing	YZ-series, ZFDZ-series
NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	Twin Fall Gravity Pivoting / Luffing	L-series
NINGBO NEW MARINE LIFESAVING EQUIPMENT CO. LTD	Gravity single and twin fall outrigger	NMPL-series
NINGBO NEW MARINE LIFESAVING EQUIPMENT CO. LTD	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	NM-series, NMAR-series
NMF	Single arm Slewing	BPK-series, KD.2-series
NOR DAVIT	Gravity single and twin fall outrigger	PL-series
NOR DAVIT	Twin Fall Gravity Pivoting / Luffing	SDP-series
NOREQ (PALFINGER)	Gravity single and twin fall outrigger	NRD-series
NOREQ (PALFINGER)	Single arm Slewing	SCH-series, SCH-R-series, SCHD-series, SCM-L-series, SCM -R-series
NOREQ (PALFINGER)	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	NPD-series
NOREQ (PALFINGER)	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	NPD-series
NORSAFE	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	NDA-series
ORIENTAL PRECISION	Free fall secondary hydraulic A Frame	FD-series
ORIENTAL PRECISION	Single arm Slewing	RD-series, SHS-series
ORIENTAL PRECISION	Twin Fall Gravity Pivoting / Luffing	DHA-series, DMA-series, HGD-series, HGK-series
ORIENTAL PRECISION	Twin Fall Gravity Rollertrack	RTD-series
ORIENTAL PRECISION - SEKIGAHARA	Twin Fall Gravity Pivoting / Luffing	SHS-series

PALFINGER	Free fall secondary hydraulic A Frame	NPT-DF-series
PALFINGER	Gravity freefall primary	FF-series
PALFINGER	Gravity single and twin fall outrigger	FPG-series
PALFINGER	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	SCH-R-series, SCM-L-series, SCM -R-series
PALFINGER	Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	NTD-series
PALFINGER	Twin Fall Gravity Pivoting / Luffing	NPT-series, VIP-series
PALFINGER	Twin Fall Gravity Rollertrack	NPT-series
PALFINGER	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	NPD-series, PFH-series
PELLEGRINI MARINE EQUIPMENT	Single arm Slewing	CHCD 2,507+ RLC 2.1/4.5- series, RLC-series
PELLEGRINI MARINE EQUIPMENT	Twin Fall Gravity Pivoting / Luffing	GRA-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Free fall secondary hydraulic A Frame	BD-FF-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Gravity single and twin fall outrigger	BD-PL-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Single arm Slewing	BD- SA-series, BD-SH-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	BD-AR-series
QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	Twin Fall Gravity Pivoting / Luffing	BD-PV-series
REDROCK	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	RDA-series
REDROCK	Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	RDT-series
SEC (SHIPS EQUIPMENT CENTRE)	Free fall secondary hydraulic A Frame	HP2-series
SEC (SHIPS EQUIPMENT CENTRE)	Single arm Slewing	MS-series
SEKIGAHARA	Free fall secondary hydraulic A Frame	SF-series
SEKIGAHARA	Single arm Slewing	SSS-series
SEKIGAHARA	Twin Fall Gravity Pivoting / Luffing	SFA-series, SFB-series, SFP-series, SHS-series
SEKIGAHARA	Twin Fall Gravity Rollertrack	AT-series, STS-series
SERVO SHIP S.L	Free fall secondary hydraulic A Frame	FFR-20-series
SERVO SHIP S.L	Single arm Slewing	PR4M1100HR-series
SEZAMOR	Single arm Slewing	ZZ-ZOL-series, ZZ-ZOT-series

SHANGHAI HENGYUAN MARINE EQUIPMENT CORPORATION	Free fall secondary hydraulic A Frame	FH-series
SHANGHAI HENGYUAN MARINE EQUIPMENT CORPORATION	Single arm Slewing	SAF-series
SHIN MYUNG TECH	Single arm Slewing	SMRB&LRD-FT-series, SMRBD-SD - series, SMRBD&LRD-series, SMRBD&PV-series
STOCZNIA USTKA SP. Z O.O.	Free fall secondary hydraulic A Frame	HZ-series
STOCZNIA USTKA SP. Z O.O.	Gravity freefall primary	PZ-series
SURVIVAL SYSTEMS INT	Gravity single and twin fall outrigger	PL-series
TAIZHOU HAIHAO MARINE EQUIPMENT CO, LTD	Free fall secondary hydraulic A Frame	55KN-series
TAIZHOU HAIHAO MARINE EQUIPMENT CO, LTD	Single arm Slewing	21KN BOAT/RAFT DAVIT-series
TSUJI HEAVY INDUSTRIES	Single arm Slewing	RP-series
TSUJI HEAVY INDUSTRIES	Twin Fall Gravity Pivoting / Luffing	H-series
TSUJI HEAVY INDUSTRIES	Twin Fall Gravity Rollertrack	T83-series, TC-series
TTS (HYDRALIFT)	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	HL-series
TTS (HYDRALIFT)	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	HL9D-series
ULSTEIN FAMA (FAMA GNIEW)	Single arm Slewing	ZO-series, ZT-series
VANGUARDE	Gravity single and twin fall outrigger	PL-series
VANGUARDE	Single arm Slewing	HS-series, MS-series, VS-series
VANGUARDE	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	DH-series, PR-series, PRH-series
VANGUARDE	Twin Fall Gravity Pivoting / Luffing	LE-series, VL-series
VANGUARDE	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	PFH-series, SRH-series
VERHOEF	Free fall secondary hydraulic A Frame	FL-series
VESTDAVIT	Single arm Slewing	L-series
VESTDAVIT	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	P-series, PAP-series, PAPH-series, PL-series, PLAR-series, PLD-series, PLI-series, PLP-series, PLR-series
VESTDAVIT	Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	TBD-series
VIKING (NORSAFE)	Gravity freefall primary	SW-series
VIKING (NORSAFE)	Gravity single and twin fall outrigger	A-series, C-series, D-series, NDC-series

VIKING (NORSAFE)	Single arm Slewing	NRC-R-series
VIKING (NORSAFE)	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	NDA-series, NRB-series
VIKING (NORSAFE)	Twin Fall Gravity Pivoting / Luffing	E-series
VIKING (NORSAFE)	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	LH-series
VIKING (NORSAFE) (JIANGYIN)	Single arm Slewing	NDSC-series, NDSC-R-series
VIKING (NORSAFE) (JIANGYIN)	Free fall secondary hydraulic A Frame	HD-series
WELIN LAMBIE	Single arm Slewing	LRW-series, SARBE-series
WUXI DONGWU	Free fall secondary hydraulic A Frame	F55-F70-series, NPT100F-series
WUXI DONGWU	Single arm Slewing	21 - 35KN-series, DCW210- series
WUXI DONGWU	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	A30/H35-series
WUXI DONGWU	Twin Fall Gravity Pivoting / Luffing	18KN-110KN-series
WUXI DONGWU	Twin Fall Gravity Rollertrack	25KN -30KN-series
WUXI HAIHONG BOAT MAKING CO., LTD	Single arm Slewing	23KN-series
WUXI HUAHAI	Gravity single and twin fall outrigger	PD-series
WUXI HUAHAI	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	HMB-series
WUXI HUAHAI	Twin Fall Gravity Pivoting / Luffing	HMD-series
WUXI SHENGOU	Free fall secondary hydraulic A Frame	SMDF-series
WUXI SHENGOU	Single arm Slewing	SMC-series, SMD-series
WUXI SHENGOU	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	HMDA-series
WUXI SHENGOU	Twin Fall Gravity Pivoting / Luffing	SHMDL-series
WUXI SHENGOU	Twin Fall Gravity Rollertrack	SMD-series
YOUNGNAM MACHINERY CO. LTD	Twin Fall Gravity Pivoting / Luffing	YNBD-series
ZHEJIANG TAIZHOU WANTONG MARINE MACHINERY CO LTD	Twin Fall Gravity Pivoting / Luffing	YSJ-series
ZHEJIANG TAIZHOU WANTONG MARINE MACHINERY CO LTD	Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	SRH-series
ZHEJIANG TAIZHOU WANTONG MARINE MACHINERY CO LTD	Free fall secondary hydraulic A Frame	FH-series
ZHEJIANG TAIZHOU WANTONG MARINE MACHINERY CO LTD	Gravity single and twin fall outrigger	PL-series
ZHEJIANG TAIZHOU WANTONG MARINE MACHINERY CO LTD	Single arm Slewing	HDCL-series, SAFC-series, SAW30-series, ZF-series

ZHEJIANG TAIZHOU WANTONG MARINE MACHINERY CO LTD	Twin Fall Gravity Pivoting / Luffing	L-series
ZHENJIANG WEST MARINE EQUIPMENT CO., LTD	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	WME-LRH35-series

Remarks:

Approved according to MSC.402(96)/Corr.1 and IACS UR Z17, rev.17.

Periodical audit

The Society may, at its own discretion, require periodical audits in the validity period of the certificate.

Renewal audit

Renewal of the certificate shall be made at intervals not exceeding three (3) years by verification through audits that approval conditions are maintained.