



Certificate of Approval

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

No. ITB0/UER/20250910084314

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: **DSS DENIZ HIZM. VE GEMI DONATIM BAKIM ONARIM TIC. LTD. STI.**
Company address*: YUNUS MAH. ATOLYELER SOK.
DENIZSAN NO:3
KARTAL ISTANBUL
Türkiye

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**: 14 September 2028

Completion date of the assessment on which this certificate based: 19 September 2025

At: ISTANBUL on 19 September 2025

Bureau Veritas Surveyor's signature :

**BUREAU VERITAS
MARINE & OFFSHORE**

M.ERGAL



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)
Totally enclosed lifeboats Freefall lifeboats Rescue boats On-load release gears Release Hooks	BALDEN DENIZCILIK SAN. VE TIC. LTD. STI.	BD-LBC1, BD-LBC2, BDLBT1, BD- BT2 BD-FFC1, BD-FFC2, BDFFT1, BD-FFT2, BDFFC505, BD-FT505 BD-R01, BD-R02 BD-LBHR5, BD-LBHR10, BD-LBHR12 BD-HR1, BD-HR38	BD-DSS-01
Free-fall Davit Rescue Boat Davit Fast Rescue Boat Davit Pivoting Lifeboat Davit	DENIZSAN GEMI MAKINE SAN. VE TIC. A.S.	DSFFD50 DSRBD21, DSRBHC21 DSFRB21 DSFV3, 5, DSFV7	DS-DSS-01
Single arm Slewing	A TECH	AT-LRD-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	ABAS	KDE-series, MDE-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame	ACEBI	TPF-series	ISO / PAS 23678 (* See Note)
Gravity single and twin fall outrigger	ACEBI	A-series, AF-series, PF-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	ACEBI	PFR-series, RRP-series, TPUseries	ISO / PAS 23678 (* See Note)
Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	ACEBI	TPF-series, TPU-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Pivoting / Luffing	ACEBI	SPG-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Rollertrack	ACEBI	GRA-series	ISO / PAS 23678 (* See Note)
Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	ACEBI	TPC-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	ACOIN	R18700-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame	ACTA	HSC-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	ACTA	DC-series, DR-series, HSC-series, MOB-series	ISO / PAS 23678 (* See Note)
Gravity single and twin fall outrigger	ALEXANDER RYAN	BH-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	ARIM	AREH-series, ARPV-series	ISO / PAS 23678 (* See Note)
Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	ARIM	ARPV-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Pivoting / Luffing	ARIM	AHA-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Rollertrack	AUKRA MARITIME AS	HRT-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame	BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	BDF-series, HDFL-series	ISO / PAS 23678 (* See Note)

Gravity freefall primary	BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	BDF-series	ISO / PAS 23678 (* See Note)
Gravity single and twin fall outrigger	BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	BFOD-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	BDR-series, BLR-series	ISO / PAS 23678 (* See Note)
Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	BDA-series, BDF A-series, BFRDseries	ISO / PAS 23678 (* See Note)
Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	BDTD-series, TT-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Pivoting / Luffing	BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	BDH-series, BDMS-series, HINGED GRAVITY-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Rollertrack	BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	BDTW-series	ISO / PAS 23678 (* See Note)
Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	BDTD-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame	BADA HEAVY INDUSTRIES CO., LTD.	HDF-series, HDL-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	BADA HEAVY INDUSTRIES CO., LTD.	BHI-RLD-series	ISO / PAS 23678 (* See Note)
Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	BADA HEAVY INDUSTRIES CO., LTD.	BDHP-series	ISO / PAS 23678 (* See Note)
Gravity single and twin fall outrigger	BIANCHI & CHECCHI	PE-series, PET-series	ISO / PAS 23678 (* See Note)
Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	BOPP TREUILS JEB	BHD-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	COASTAL MARINE EQUIPMENT, INC.	D-series	ISO / PAS 23678 (* See Note)
Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	CRAMM YACHTING SYSTEMS B.V	CDT 7000-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	CSSC LUZHOU ZHENJIANG MARINE AUXILIARY MACHINERY CO., LTD (EX ZMAMW)	SAFC-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Pivoting / Luffing	CSSC LUZHOU ZHENJIANG MARINE AUXILIARY MACHINERY CO., LTD (EX ZMAMW)	LE-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame	DAELIM TECHNOLOGY CO. LTD. (HYUNDAI)	FF-740-series	ISO / PAS 23678 (* See Note)

Free fall secondary hydraulic A Frame	DAVIT INTERNATIONAL	D-FH-series	ISO / PAS 23678 (* See Note)
Gravity freefall primary	DAVIT INTERNATIONAL	D-TF-series	ISO / PAS 23678 (* See Note)
Gravity single and twin fall outrigger	DAVIT INTERNATIONAL	D-FO-series, D-FOS-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	DAVIT INTERNATIONAL	D-AC.5-series, D-BR-series, DCR, R-series, D-CRH.R-series, DCRM-series, D-FOS-series, D-RCseries, D-RC.T-series, D-SR04-series, D.BC.R-series, D.CRE.Rseries	ISO / PAS 23678 (* See Note)
Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	DAVIT INTERNATIONAL	D-NPS.FR-series, D-NPS.MPseries, D-NPS.SP-series, D-TT.SP-series	ISO / PAS 23678 (* See Note)
Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	DAVIT INTERNATIONAL	D-FP.R-series, D-TTS.R-series, DTT-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Pivoting / Luffing	DAVIT INTERNATIONAL	D-NP-series, D-NP.MP-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Rollertrack	DAVIT INTERNATIONAL	D-RT-series	ISO / PAS 23678 (* See Note)
Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	DAVIT INTERNATIONAL	D-NP-series, D-SP-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame	DENIZSAN	DRM-FFD-series, DSFDD-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	DENIZSAN	DRBD-series, DRBLRD-series, DSRBD-series	ISO / PAS 23678 (* See Note)
Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	DENIZSAN	DSFRB-series, DSRB-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Pivoting / Luffing	DONGNAM ENTERPRISE.,CO LTD	DLB-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	DONGNAM MARINE CRANE CO.,LTD.	DCPV-series, DNRD-series, DRBLRD-series, DRLD-series, DSAC-series, DSAD-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Pivoting / Luffing	DONGNAM MARINE CRANE CO.,LTD.	DHGD-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	DONGWOO MACHINERY & ENGINEERING CO., LTD.	DBD-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Pivoting / Luffing	DONGWOO MACHINERY & ENGINEERING CO., LTD.	DWS-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame	DSB ENGINEERING CO LTD	DRM-FFD-series, DSBDF-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	DSB ENGINEERING CO LTD	DSBDR-series	ISO / PAS 23678 (* See Note)
Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	DSB ENGINEERING CO LTD	DSBARH-series, DSBDP-series, DSBDR-series	ISO / PAS 23678 (* See Note)

Twin / Single Fall Gravity Pivoting / Luffing	DSB ENGINEERING CO LTD	DSBDL-series, DSBDTL-series	ISO / PAS 23678 (* See Note)
Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	DSB ENGINEERING CO LTD	DSBDYL-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	EO LIFESAVING	CH-52-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame	FASSMER	FFH-series	ISO / PAS 23678 (* See Note)
Gravity freefall primary	FASSMER	FLR-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	FASSMER	FSARR-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Pivoting / Luffing	FASSMER	FPD-series	ISO / PAS 23678 (* See Note))
Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	FASSMER	FMPD-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame	FASSMER MARLAND	FFH-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Pivoting / Luffing	FASSMER MARLAND	FPD-D-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	FERRI	1872 TN-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	GILBERT & SCHMALRIEDE. GMBH & CO. KG	PJ1385-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat Telescopic Hydraulic	GILBERT & SCHMALRIEDE. GMBH & CO. KG	Single or Twin Fall Lifeboat Rescue Boat / PJ-1386-series	ISO / PAS 23678 (* See Note)
Gravity single and twin fall outrigger	GLOBAL DAVIT	GSP.O-series, RSP.O-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	GLOBAL DAVIT	FHS-series, FHS.L-series, FHS.Rseries, FHS.R.L-series, FHS.R.L.S-series, FHS.R.S-series, FHS.S-series, LMES.S-series, LML-series, LMS-series, LMS.Sseries, 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-series, RMS.Lseries, RMS.L.S-series, RMS.Sseries	ISO / PAS 23678 (* See Note)
Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	GLOBAL DAVIT	RHP-series, RHP.HC-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Pivoting / Luffing	GLOBAL DAVIT	GLP.FP-series, GLP.MP-series, GSP.FP-series, GSP.MP-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Rollertrack	GLOBAL DAVIT	GLP.RT-series, GSP.RT-series, GSP.RT, GLP.RT-series	ISO / PAS 23678 (* See Note)
Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	GLOBAL DAVIT	GLP.FLH-series, GLP.FPH-series, GSP.FLH-series, GSP.FPH-series, RHP-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame	GREBEN	HFF-series	ISO / PAS 23678 (* See Note)
Gravity single and twin fall outrigger	GREBEN	FOD-series	ISO / PAS 23678 (* See Note)

Single arm Slewing	GREBEN	PROMAC 12/4.2 EL-series, RLCseries, SAR-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Pivoting / Luffing	GREBEN	SPG-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Rollertrack	GREBEN	GR-RTD-series	ISO / PAS 23678 (* See Note)
Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	GREBEN	GD-PD-series, HD-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame	GURDESAN	GD-FFD-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	GURDESAN	GD-KHK-series, GD-RRS- series	ISO / PAS 23678 (* See Note)
Single arm Slewing	HAEAN MACHINERY IND. CO. LTD.	HED-PC-series, HHD-PC- series	ISO / PAS 23678 (* See Note)
Single arm Slewing	HANLA IMS CO., LTD	HM-PVC-H-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	HANYOUNG ENTERPRISE	RESCUE BOAT DAVIT- series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame	HARDING (UMO SCHAT HARDING)	FF-series	ISO / PAS 23678 (* See Note)
Gravity freefall primary	HARDING (UMO SCHAT HARDING)	LA-series	ISO / PAS 23678 (* See Note)
Gravity single and twin fall outrigger	HARDING (UMO SCHAT HARDING)	HD-FL-series, ORD-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	HARDING (UMO SCHAT HARDING)	LAR-series, SAR-series, SRRseries	ISO / PAS 23678 (* See Note)
Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	HARDING (UMO SCHAT HARDING)	SA-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Pivoting / Luffing	HARDING (UMO SCHAT HARDING)	HD-SPG-series, HD-VIP- series, SPG(VL)-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Rollertrack	HARDING (UMO SCHAT HARDING)	GRA-series, HD-RT-series	ISO / PAS 23678 (* See Note)
Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	HARDING (UMO SCHAT HARDING)	SPD-series	ISO / PAS 23678 (* See Note)
Gravity freefall primary	HARDING (UMO SCHAT HARDING) (SCHAT DAVIT COMPANY) PALFINGER	FFB-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	HARDING (UMO SCHAT HARDING) (SCHAT DAVIT COMPANY) PALFINGER	MOB-series	ISO / PAS 23678 (* See Note)
Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	HARDING (UMO SCHAT HARDING) (SCHAT DAVIT COMPANY) PALFINGER	SPR-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Pivoting / Luffing	HARDING (UMO SCHAT HARDING) (SCHAT DAVIT COMPANY) PALFINGER	NDP-series, SPG(L)-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Rollertrack	HARDING (UMO SCHAT HARDING) (SCHAT DAVIT	FFB-series, NT-series	ISO / PAS 23678 (* See Note)

	COMPANY) PALFINGER		
Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	HARDING (UMO SCHAT HARDING) (PALFINGER)	NPDS-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame	HARDING (UMO SCHAT HARDING) (PALFINGER)	LA-series	ISO / PAS 23678 (* See Note)
Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	HARDING (UMO SCHAT HARDING) (PALFINGER)	NTD-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Rollertrack	HARDING (UMO SCHAT HARDING) (PALFINGER)	ND-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Rollertrack	HARDING (WATERCRAFT)	WRG-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame	HATECKE (ERNST HATECKE)	FFA-series	ISO / PAS 23678 (* See Note)
Gravity freefall primary	HATECKE (ERNST HATECKE)	FFB-series	ISO / PAS 23678 (* See Note)
Gravity single and twin fall outrigger	HATECKE (ERNST HATECKE)	GSP.O-series	ISO / PAS 23678 (* See Note)
Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	HATECKE (ERNST HATECKE)	DFR 600-SII-series	ISO / PAS 23678 (* See Note)
Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	HATECKE (ERNST HATECKE)	GSP.FP-series	ISO / PAS 23678 (* See Note)
Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	HAVØYSUND PATENTSLIPP AS	POLARDAVIT-series	ISO / PAS 23678 (* See Note)
Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	HOLEN AS	KOPAS A-1000-series	ISO / PAS 23678 (* See Note)
Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	HYDRAMASKIN	A-15-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Pivoting / Luffing	IHI MARINE UNITED INC	MUL-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Pivoting / Luffing	IKNOW MACHINARY (TSUJI HEAVY INDUSTRIES)	HD-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	IMT CO., LTD	ILR-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame	JAPAN MARINE UNITED CORP.	MUFJ-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	JAPAN MARINE UNITED CORP.	MUR21J-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame	JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	JYF-series	ISO / PAS 23678 (* See Note)
Gravity single and twin fall outrigger	JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	JYP-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN	JYR-series, JYRCA-series	ISO / PAS 23678 (* See Note)

	XINJIANG F.R.P. CO. LTD)		
Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	JYA-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Pivoting / Luffing	JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	JYL-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Rollertrack	JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	JYGR-series	ISO / PAS 23678 (* See Note)
Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	JYHG-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	JIANGYIN BEIHAI	HDC3-10-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Pivoting / Luffing	JIANGYIN NEPTUNE MARINE APPLIANCE CO. LTD.	NPT 60 DL-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame	JIANGYIN NEPTUNE MARINE APPLIANCE CO. LTD.	NPT-DF-series	ISO / PAS 23678 (* See Note)
Gravity single and twin fall outrigger	JIANGYIN NEPTUNE MARINE APPLIANCE CO. LTD.	NPT-DP-series, NPT-PL-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	JIANGYIN NEPTUNE MARINE APPLIANCE CO. LTD.	NPT-DR-series	ISO / PAS 23678 (* See Note)
Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	JIANGYIN NEPTUNE MARINE APPLIANCE CO. LTD.	NPT- BE-series, NPT-ARH-series, NPT-DR-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Pivoting / Luffing	JIANGYIN NEPTUNE MARINE APPLIANCE CO. LTD.	NPT-DL-series, NPT-DP-series	ISO / PAS 23678 (* See Note)
Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	JIANGYIN NEPTUNE MARINE APPLIANCE CO. LTD.	NPT-DYL-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame	JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	JY-FH-series	ISO / PAS 23678 (* See Note)
Gravity single and twin fall outrigger	JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	JYPL-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	JYHSR-series, JYSA-series	ISO / PAS 23678 (* See Note)
Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	JY-LFR-series, JY-LRHE-series, JY-PLR-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Pivoting / Luffing	JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	JYLE-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Rollertrack	JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	JYHE-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame	JIANGYINSHI BEIHAI	FA-series	ISO / PAS 23678 (* See Note)
Gravity single and twin fall outrigger	JIANGYINSHI BEIHAI	PD-series	ISO / PAS 23678 (* See Note)

Single arm Slewing	JIANGYINSHI BEIHAI	SA-series, SMR-series	ISO / PAS 23678 (* See Note)
Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	JIANGYINSHI BEIHAI	EHRD-series, FRH-series, SRHseries	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Pivoting / Luffing	JIANGYINSHI BEIHAI	BH-G-series, LA-series, LB-Hseries	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Rollertrack	JIANGYINSHI BEIHAI	HB-H-series, RB-H-series	ISO / PAS 23678 (* See Note)
Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	JIANGYINSHI BEIHAI	BHGH-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	JUNG-A-MARINE CO., LTD	PCRLC-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	KGW SCHWERINER MASCHINENBAU GMBH	RB-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame	KGW SCHWERINER MASCHINENBAU GMBH	LAF-MUF68-series	ISO / PAS 23678 (* See Note)
Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	MACGREGOR (TTS) (HYDRAMARINE)	G-TYPE-series, HMD A32 MK3-series	ISO / PAS 23678 (* See Note)
Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	MACGREGOR (TTS) (HYDRAMARINE)	A-TYPE-series, HLD-series, HMCseries, HMD-series	ISO / PAS 23678 (* See Note)
Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	MACGREGOR (TTS) (HYDRAMARINE)	T-TYPE-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame	MANSEI	D-FH-series, FE-series, MFHseries	ISO / PAS 23678 (* See Note)
Single arm Slewing	MANSEI	R-series, RD-series, SAR-series, SR-series	ISO / PAS 23678 (* See Note)
Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	MANSEI	HER-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Pivoting / Luffing	MANSEI	ABD-series, AH-series, AV-series, CM-series, EH-series, EM-series, M-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Rollertrack	MANSEI	AT-series, GRA-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	MARITIME DECK MACHINERY	CM-52-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	MENAROM SA	CMPS 21-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Pivoting / Luffing	MIURA MACHINE CO.,LTD (MIURA VIDER) (MANSEI)	MVD-series, SPG(VD)-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	MJØSUND BÅT & HYDRAULIK	MOB-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	NANJING DONGSHENG MARINE EQUIPMENT CO., LTD	AR14-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	NANJING DONGSHENG MARINE EQUIPMENT CO., LTD	ARL21-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	NAVIGATION'S	1,1-series, 1.2 LL-series	ISO / PAS 23678 (* See Note)
Gravity single and twin fall outrigger	NAVIM GROUP	FDRB-series	ISO / PAS 23678 (* See Note)

Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	NAVIM GROUP	SPDT-L-series, SPDT-R-series, SPDT-T-series	ISO / PAS 23678 (* See Note)
Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	NAVIM GROUP	SGHD- L-series, SPHD- T-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	NAVIM GROUP TECNIMPIANTI S.P.A)	NHRB-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame	NED-DECK MARINE (PALFINGER)	FFH-series	ISO / PAS 23678 (* See Note)
Gravity single and twin fall outrigger	NED-DECK MARINE (PALFINGER)	FPG-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	NED-DECK MARINE (PALFINGER)	SCH-series, SCM-series, SCTseries, SEC-series	ISO / PAS 23678 (* See Note)
Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	NED-DECK MARINE (PALFINGER)	PFH-series, PRH-series, PRHEseries	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Pivoting / Luffing	NED-DECK MARINE (PALFINGER)	PL-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame	NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	YZF-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	YZ-series, ZFDZ-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Pivoting / Luffing	NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	L-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame	NINGBO KAIRONG SHIP MACHINERY CO LTD	FH-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	NINGBO KAIRONG SHIP MACHINERY CO LTD	KR-1-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame	NINGBO NEW MARINE LIFESAVING EQUIPMENT CO. LTD	NMF55KN-series	ISO / PAS 23678 (* See Note)
Gravity single and twin fall outrigger	NINGBO NEW MARINE LIFESAVING EQUIPMENT CO. LTD	NMPL-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	NINGBO NEW MARINE LIFESAVING EQUIPMENT CO. LTD	NMSD23KN-series	ISO / PAS 23678 (* See Note)
Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	NINGBO NEW MARINE LIFESAVING EQUIPMENT CO. LTD	NM-series, NMAR-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	NMF	BPK-series, KD-series	ISO / PAS 23678 (* See Note)
Gravity single and twin fall outrigger	NOR DAVIT	PL-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Pivoting / Luffing	NOR DAVIT	SDP-series	ISO / PAS 23678 (* See Note)
Gravity single and twin fall outrigger	NOREQ (PALFINGER)	NRD-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	NOREQ (PALFINGER)	SCH-series, SCH-R-series, SCHDseries, SCM-L-series, SCM -Rseries	ISO / PAS 23678 (* See Note)

Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	NOREQ (PALFINGER)	NPD-series	ISO / PAS 23678 (* See Note)
Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	NOREQ (PALFINGER)	NPD-series	ISO / PAS 23678 (* See Note)
Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	NORSAFE	NDA-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame	ORIENTAL PRECISION	FD-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	ORIENTAL PRECISION	RD-series, SHS-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Pivoting / Luffing	ORIENTAL PRECISION	DHA-series, DMA-series, HGDseries, HGK-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Rollertrack	ORIENTAL PRECISION	RTD-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Pivoting / Luffing	ORIENTAL PRECISION - SEKIGAHARA	SHS-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame	PALFINGER	NPT-DF-series	ISO / PAS 23678 (* See Note)
Gravity freefall primary	PALFINGER	FF-series	ISO / PAS 23678 (* See Note)
Gravity single and twin fall outrigger	PALFINGER	FPG-series	ISO / PAS 23678 (* See Note)
Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	PALFINGER	PFHS-series, SCH-R-series, SCML-series, SCM -R-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Pivoting / Luffing	PALFINGER	NPT-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Rollertrack	PALFINGER	NPT-series	ISO / PAS 23678 (* See Note)
Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	PALFINGER	NPD-series, PFH-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Pivoting / Luffing	PALFINGER (UMO SCHAT HARDING)	VIP-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	PELLEGRINI MARINE EQUIPMENT	CHCD 2,507+ RLC 2.1/4.5-series, RLC-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Pivoting / Luffing	PELLEGRINI MARINE EQUIPMENT	GRA-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame	QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	BD-FF-series	ISO / PAS 23678 (* See Note)
Gravity single and twin fall outrigger	QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	BD-PL-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	BD- SA-series, BD-SH-series	ISO / PAS 23678 (* See Note)
Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	BD-AR-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Pivoting / Luffing	QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	BD-PV-series	ISO / PAS 23678 (* See Note)

Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	REDROCK	RDA-series	ISO / PAS 23678 (* See Note)
Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	REDROCK	RDT-series	ISO / PAS 23678 (* See Note)
Gravity single and twin fall outrigger	SCAHT DAVIT COMPANY (PALFINGER)	FFFDA-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	SCAHT DAVIT COMPANY (PALFINGER)	SPR-series	ISO / PAS 23678 (* See Note)
Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	SCHAT HARDING	FR.P.SP-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame	SEC (SHIPS EQUIPMENT CENTRE)	HP2-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	SEC (SHIPS EQUIPMENT CENTRE)	HS-series, MS-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Rollertrack	SEC (SHIPS EQUIPMENT CENTRE)	SP3-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame	SEKIGAHARA	SF-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	SEKIGAHARA	SJS-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Pivoting / Luffing	SEKIGAHARA	SFA-series, SFB-series, SFPseries, SHS-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Rollertrack	SEKIGAHARA	AT-series, STS-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Rollertrack	SEKIGAHARA SEISKUSHO LTD	ST-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	SEKWANG MARINE MACHINERY CO, LTD	RBD-series, SINGLE ARM SLEWING-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame	SERVO SHIP S.L	FFR-20-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	SERVO SHIP S.L	PR4M1100HR-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	SEZAMOR	ZZ-ZOL-series, ZZ-ZOT-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame	SHANGHAI HENGYUAN MARINE EQUIPMENT CORPORATION	FH-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	SHANGHAI HENGYUAN MARINE EQUIPMENT CORPORATION	SAFC-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	SHEYANG VICTOR MARINE AUXILIARIES CO., LTD	21 KN-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	SHIN MYUNG TECH	SMLRD-25P-series, SMRB&LRDFT-series, SMRBD-SD-series, SMRBD&LRD-series, SMRBD&PVseries	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Pivoting / Luffing	SPP SHIPBUILDING CO LTD.	SBD-5800-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame	STOCZNIA USTKA SP. Z O.O.	HUZ-series, HZ-series	ISO / PAS 23678 (* See Note)

Gravity freefall primary	STOCZNIA USTKA SP. Z O.O.	PZ-series	ISO / PAS 23678 (* See Note)
Gravity single and twin fall outrigger	SURVIVAL SYSTEMS INT	PL-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame	TAIZHOU HAIHAO MARINE EQUIPMENT CO.,LTD	55KN-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	TAIZHOU HAIHAO MARINE EQUIPMENT CO.,LTD	21KN BOAT/RAFT DAVIT-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	TECH FLOWER CO., LTD.	HIPC-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Rollertrack	TECHNIMPIANTI S.P.A	FRB-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	TSUJI HEAVY INDUSTRIES	RP-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Pivoting / Luffing	TSUJI HEAVY INDUSTRIES	H-series	ISO / PAS 23678 (* See Note)See note (*)
Twin / Single Fall Gravity Rollertrack	TSUJI HEAVY INDUSTRIES	T83-series, TC-series	ISO / PAS 23678 (* See Note)
Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	TTS (HYDRALIFT)	HL-series	ISO / PAS 23678 (* See Note)
Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	TTS (HYDRALIFT)	HL9D-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	ULSTEIN FAMA (FAMA GNIEW)	ZO-series, ZT-series	ISO / PAS 23678 (* See Note)
Gravity single and twin fall outrigger	VANGUARDE	PL-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	VANGUARDE	HSD-series, MSD-series, VSDseries	ISO / PAS 23678 (* See Note)
Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	VANGUARDE	DH-series, PR-series, PRH- series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Pivoting / Luffing	VANGUARDE	LE-series, VL-series	ISO / PAS 23678 (* See Note)
Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	VANGUARDE	PFH-series, SRH-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame	VERHOEF	FL-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame	VESTDAVIT	PLA-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	VESTDAVIT	L-series	ISO / PAS 23678 (* See Note)
Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	VESTDAVIT	P-series, PAP-series, PAPHseries, PL-series, PLAR-series, PLD-series, PLI-series, PLPseries, PLR-series	ISO / PAS 23678 (* See Note)
Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	VESTDAVIT	TBD-series	ISO / PAS 23678 (* See Note)
Gravity freefall primary	VIKING (NORSAFE)	SW-series	ISO / PAS 23678 (* See Note)
Gravity single and twin fall outrigger	VIKING (NORSAFE)	A-series, C-series, D-series, NDCseries	ISO / PAS 23678 (* See Note)
Single arm Slewing	VIKING (NORSAFE)	CH-52-series, NRC-series, NRC-Rseries	ISO / PAS 23678 (* See Note)

Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	VIKING (NORSAFE)	NDA-series, NRB-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Pivoting / Luffing	VIKING (NORSAFE)	E-series	ISO / PAS 23678 (* See Note)
Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	VIKING (NORSAFE)	LH-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	VIKING (NORSAFE) (JIANGYIN)	NDSC-series, NDSC-R-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame	VIKING (NORSAFE) (JIANGYIN)	HD-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	WELIN LAMBIE	LRW-series, SARBE-series	ISO / PAS 23678 (* See Note)
Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	WELIN LAMBIE	PIV.1.0A-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame	WUXI DONGWU	F55-F70-series, NPT100F-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	WUXI DONGWU	21 - 35KN-series, DCW210-series	ISO / PAS 23678 (* See Note)
Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	WUXI DONGWU	A30/H35-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Pivoting / Luffing	WUXI DONGWU	18KN-110KN-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Rollertrack	WUXI DONGWU	25KN -30KN-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame	WUXI HAIDELONG MARINE EQUIPMENT CO., LTD.	HDFL-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	WUXI HAIDELONG MARINE EQUIPMENT CO., LTD.	SA-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	WUXI HAIHONG BOAT MAKING CO., LTD	23KN-series	ISO / PAS 23678 (* See Note)
Gravity single and twin fall outrigger	WUXI HUAHAI	PD-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	WUXI HUAHAI	HMD 21 32 M-series	ISO / PAS 23678 (* See Note)
Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	WUXI HUAHAI	HMDA-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Pivoting / Luffing	WUXI HUAHAI	HMD60-85-110-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	WUXI JIANGNAN MARINE EQUIPMENT CO., LTD	ZFQ-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame	WUXI SHENGOU	S MDF-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	WUXI SHENGOU	SMC-series, SMD-series	ISO / PAS 23678 (* See Note)
Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	WUXI SHENGOU	HMDA-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Pivoting / Luffing	WUXI SHENGOU	SHMDL-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Rollertrack	WUXI SHENGOU	SMD-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	YILMAZ DENIZCILIK	YDGS-series	ISO / PAS 23678 (* See Note)

Twin / Single Fall Gravity Pivoting / Luffing	YOUNGNAM MACHINERY CO.LTD	YNBD-series	ISO / PAS 23678 (* See Note)
Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	Z MARINE	ZM ZRB 2500-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	ZHEJIANG HENGXIN SHIP EQUIPMENTS CO.,LTD	SA23-1-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Pivoting / Luffing	ZHEJIANG HENGXIN SHIP EQUIPMENTS CO.,LTD	LB-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Pivoting / Luffing	ZHEJIANG TAIZHOU WANTONG MARINE MACHINERY CO LTD	YSJ-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame	ZHEJIANG WANTONG HEAVY INDUSTRY CO., LTD	FH-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	ZHEJIANG WANTONG HEAVY INDUSTRY CO., LTD	SA23-1-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	SAF-series	ISO / PAS 23678 (* See Note)
Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	SRH-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	ZHENJIANG DH MARINE EQUIPMENT CO., LTD	MSD-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame	ZHENJIANG DH MARINE EQUIPMENT CO., LTD	FH-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Pivoting / Luffing	ZHENJIANG JUST MARINE EQUIPMENT CO., LTD	L-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame	ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	FH-series	ISO / PAS 23678 (* See Note)
Gravity single and twin fall outrigger	ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	PL-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	HDCL-series, SAFC-series, SAW30-series, ZF-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Pivoting / Luffing	ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	LE-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	ZHENJIANG WEST MARINE EQUIPMENT CO., LTD	WME-SAD-series	ISO / PAS 23678 (* See Note)

Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	ZHENJIANG WEST MARINE EQUIPMENT CO., LTD	WME-LRH35-series	ISO / PAS 23678 (* See Note)
Propulsion Outboard	MERCURY	10604522ED-series	ISO / PAS 23678 (* See Note)
RELEASE GEAR			
Devices For Activating Release: Central Release Unit	BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	BD-LH-series	ISO / PAS 23678 (* See Note)
Devices for activating release: Free Fall Hydraulic Primary and Secondary	BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	BHA-series	ISO / PAS 23678 (* See Note)
Freefall Hydraulic / mechanical	BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	BHA-series	ISO / PAS 23678 (* See Note)
Rescue boat / Davit Launched Liferaft / Lift over centre automatic	BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	BHA-series	ISO / PAS 23678 (* See Note)
Rescue boat offload w. Onload capability	BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	BHR25S-series	ISO / PAS 23678 (* See Note)
Lifeboat on load lift not over centre, Curve to flat rotating cams	BALDEN	BD-LBH-series	ISO / PAS 23678 (* See Note)
Rescue boat / Davit Launched Liferaft / Lift over centre automatic	BALDEN	BDHR-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Central Release Unit	BC SERVICE	U HOOK-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Hydrostatic Unit with Diaphragm	BC SERVICE	U HOOK-series	ISO / PAS 23678 (* See Note)
Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	BC SERVICE	U HOOK-series	ISO / PAS 23678 (* See Note)
Rescue boat / Davit Launched Liferaft / Lift over centre automatic	BC SERVICE	U-ARH 3.5T-series	ISO / PAS 23678 (* See Note)
Rescue boat offload lift over center	BC SERVICE	U HOOK-series	ISO / PAS 23678 (* See Note)
Rescue boat / Davit Launched Liferaft / Lift over centre automatic	CHANG SHENG	35KN-series	ISO / PAS 23678 (* See Note)
Rescue boat / Davit Launched Liferaft / Lift over centre automatic	CRANSTON EAGLE	APR-356- CB/CBH-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Central Release Unit	CSSC LUZHOU ZHENJIANG MARINE AUXILIARY MACHINERY CO., LTD (EX ZMAMW)	HK40-series	ISO / PAS 23678 (* See Note)

Devices For Activating Release: Hydrostatic Unit with Diaphragm	CSSC LUZHOU ZHENJIANG MARINE AUXILIARY MACHINERY CO., LTD (EX ZMAMW)	HK40-series	ISO / PAS 23678 (* See Note)
Lifeboat on load lift not over centre, up and down pins / collars	CSSC LUZHOU ZHENJIANG MARINE AUXILIARY MACHINERY CO., LTD (EX ZMAMW)	HK40-series	ISO / PAS 23678 (* See Note)
Devices for activating release: Free Fall Hydraulic Primary and Secondary	DAE JIN CO. LTD	THP-1B-series	ISO / PAS 23678 (* See Note)
Freefall Hydraulic / mechanical	DAE JIN CO. LTD	THP-1B-series	ISO / PAS 23678 (* See Note)
Rescue boat offload lift over center	DAVIT INTERNATIONAL	OLH-series	ISO / PAS 23678 (* See Note)
Rescue boat offload w. Onload capability	DAVIT INTERNATIONAL	RH-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Central Release Unit	FASSMER	DUPLEX < 6.6T-series, DUPLEX > 6T-series	ISO / PAS 23678 (* See Note)
Devices for activating release: Free Fall Hydraulic Primary and Secondary	FASSMER	FFH-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Hydrostatic Unit with Float	FASSMER	DUPLEX < 6.6T-series, DUPLEX > 6T-series	ISO / PAS 23678 (* See Note)
Freefall Hydraulic / mechanical	FASSMER	F-series	ISO / PAS 23678 (* See Note)
Lifeboat on load lift not over centre, Curve to flat rotating cams	FASSMER	DUPLEX>6T-series	ISO / PAS 23678 (* See Note)
Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	FASSMER	DUPLEX<6.6T-series	ISO / PAS 23678 (* See Note)
Rescue boat / Davit Launched Liferaft / Lift over centre automatic	FERRI	1488-series	ISO / PAS 23678 (* See Note)
Devices for activating release: Free Fall Hydraulic Primary and Secondary	GEPA	G-FFRM-01-series	ISO / PAS 23678 (* See Note)
Freefall Hydraulic / mechanical	GEPA	G-FFRM-01-series	ISO / PAS 23678 (* See Note)
Rescue boat / Davit Launched Liferaft / Lift over centre automatic	GEPA	G-K-series	ISO / PAS 23678 (* See Note)
Lifeboat on load lift not over centre	GLOBAL DAVIT	HRL-series	ISO / PAS 23678 (* See Note)
Rescue boat / Davit Launched Liferaft / Lift over centre automatic	GLOBAL DAVIT	HRL.26-series	ISO / PAS 23678 (* See Note)
Rescue boat offload lift over center	GLOBAL DAVIT	HRN-series	ISO / PAS 23678 (* See Note)

Rescue boat offload w. Onload capability	GLOBAL DAVIT	HR-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Central Release Unit	GREBEN	NLH-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Electronic Sensor	GREBEN	NLH-series	ISO / PAS 23678 (* See Note)
Lifeboat on load lift not over centre, up and down pins / collars	GREBEN	NLH-series	ISO / PAS 23678 (* See Note)
Devices for activating release: Free Fall Hydraulic Primary and Secondary	HARDING (UMO SCHAT HARDING)	FFH-series	ISO / PAS 23678 (* See Note)
Freefall Hydraulic / mechanical	HARDING (UMO SCHAT HARDING)	FFH-series	ISO / PAS 23678 (* See Note)
Rescue boat offload w. Onload capability	HARDING (UMO SCHAT HARDING)	RRH-series	ISO / PAS 23678 (* See Note)
Fast rescue boat offload / Manual or automatic	HARDING (UMO SCHAT HARDING) (FAST RSQ)	CAR-35F-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Central Release Unit	HARDING (UMO SCHAT HARDING) (PALFINGER)	KH6.5M2-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Hydrostatic Unit with Diaphragm	HARDING (UMO SCHAT HARDING) (PALFINGER)	KH6.5M2-series	ISO / PAS 23678 (* See Note)
Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	HARDING (UMO SCHAT HARDING) (PALFINGER)	KH6.5M2-series	ISO / PAS 23678 (* See Note)
Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	HARDING (UMO SCHAT HARDING) (SCHAT DAVIT COMPANY) (PALFINGER)	LH3.5M2-series	ISO / PAS 23678 (* See Note)
Rescue boat / Davit Launched Liferaft / Lift over centre automatic	HARDING (UMO SCHAT HARDING) (PALFINGER)	ARH-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Central Release Unit	HARDING (UMO SCHAT HARDING) (PALFINGER)	LHR-series, LHR M2-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Hydrostatic Unit with Diaphragm	HARDING (UMO SCHAT HARDING) (PALFINGER)	LHR-series, LHR M2-series	ISO / PAS 23678 (* See Note)
Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	HARDING (UMO SCHAT HARDING) (PALFINGER)	LHR-series, LHR M2-series	ISO / PAS 23678 (* See Note)
Rescue boat / Davit Launched Liferaft / Lift over centre automatic	HATECKE	SIMPLEX 2.0I OFF LOAD-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Central Release Unit	HATECKE (ERNST HATECKE)	DUPLEX < 6T-series, DUPLEX > 6T-series	ISO / PAS 23678 (* See Note)
Devices for activating release: Free Fall	HATECKE (ERNST HATECKE)	GFF-series	ISO / PAS 23678 (* See Note)

Hydraulic Primary and Secondary			
Devices For Activating Release: Hydrostatic Unit with Float	HATECKE (ERNST HATECKE)	DUPLEX < 6T-series, DUPLEX > 6T-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat Offload with On-Load Capability	HATECKE (ERNST HATECKE)	SIMPLEX 1,85-series	ISO / PAS 23678 (* See Note)
Freefall Hydraulic / mechanical	HATECKE (ERNST HATECKE)	GFF-series	ISO / PAS 23678 (* See Note)
Lifeboat on load lift not over centre, Curve to flat rotating cams	HATECKE (ERNST HATECKE)	DUPLEX>6T-series	ISO / PAS 23678 (* See Note)
Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	HATECKE (ERNST HATECKE)	DUPLEX<6.6 T-series	ISO / PAS 23678 (* See Note)
Rescue boat / Davit Launched Liferaft / Lift over centre automatic	HATECKE (ERNST HATECKE)	RAFTI 2.5-series	ISO / PAS 23678 (* See Note)
Rescue boat offload w. Onload capability	HATECKE (ERNST HATECKE)	SIMPLEX-series	ISO / PAS 23678 (* See Note)
Fast rescue boat offload / Manual or automatic	HENRIKSEN	HCH-series, HMK-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Central Release Unit	HLB (HYUNDAI LIFEBOATS)	TALON II-series, TALON MK 1-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Hydrostatic Unit with Diaphragm	HLB (HYUNDAI LIFEBOATS)	TALON II-series, TALON MK 1-series	ISO / PAS 23678 (* See Note)
Freefall Hydraulic / mechanical	HLB (HYUNDAI LIFEBOATS)	TALON 4.6T-series	ISO / PAS 23678 (* See Note)
Lifeboat on load lift not over centre, flat to flat rotating cams	HLB (HYUNDAI LIFEBOATS)	TALON MK 1-series	ISO / PAS 23678 (* See Note)
Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	HLB (HYUNDAI LIFEBOATS)	TALON II-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Central Release Unit	HOEI SENPAKU CO.,LTD	HS-series, HS520 96-series, HS650 96-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Hydrostatic Unit with Diaphragm	HOEI SENPAKU CO.,LTD	HS-series, HS 520 96-series, HS650 96-series	ISO / PAS 23678 (* See Note)
Lifeboat on load lift not over centre, Curve to flat rotating cams	HOEI SENPAKU CO.,LTD	HS520 96-series, HS650 96-series	ISO / PAS 23678 (* See Note)
Lifeboat on load lift not over centre, flat to flat rotating cams	HOEI SENPAKU CO.,LTD	HS-series	ISO / PAS 23678 (* See Note)
Lifeboat on load lift not over centre, up and down pins / collars	HOEI SENPAKU CO.,LTD	HS520 83-series, HS650 83-series	ISO / PAS 23678 (* See Note)
Devices for activating release: Free Fall Hydraulic Primary and Secondary	HYUNDAI LIFEBOAT CO., LTD	TALON 4.6T-series	ISO / PAS 23678 (* See Note)

Devices For Activating Release: Central Release Unit	IHI MARINE UNITED INC	JX-1-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Hydrostatic Unit with Diaphragm	IHI MARINE UNITED INC	JX-1-series	ISO / PAS 23678 (* See Note)
Lifeboat on load lift not over centre, up and down pins / collars	IHI MARINE UNITED INC	JX-1-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat Offload with On-Load Capability	JAPAN MARINE UNITED CORP.	JX-3-series	ISO / PAS 23678 (* See Note)
Freefall Hydraulic / mechanical	JAPAN MARINE UNITED CORP.	JX-2-series	ISO / PAS 23678 (* See Note)
Fast rescue boat offload / Manual or automatic	JIANGSU JIAOYAN MARINE EQUIPMENT CO. LTD	JXN-7-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Central Release Unit	JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	JX-1-series, JX-1B-series, JX-4-series, JXN-1B-series, JXN-1Cseries	ISO / PAS 23678 (* See Note)
Devices for activating release: Free Fall Hydraulic Primary and Secondary	JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	JX-2-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Hydrostatic Unit with Diaphragm	JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	JX-1-series, JX-1B-series, JXN-1B-series, JXN-1C-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat Offload with On-Load Capability	JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	JXN-3-series	ISO / PAS 23678 (* See Note)
Freefall Hydraulic / mechanical	JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	JX-2-series, JX-4-series	ISO / PAS 23678 (* See Note)
Lifeboat on load lift not over centre, up and down pins / collars	JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	JX-1-series, JX-1B-series, JXNseries, JXN-1B-series, JXN-1Cseries	ISO / PAS 23678 (* See Note)
Lifeboat on load lift not over centre, up and down pins / collars	JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD.	JX-1-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Central Release Unit	JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	NPT-50-series, NPT-HAN-series	ISO / PAS 23678 (* See Note)

Devices For Activating Release: Hydrostatic Unit with Float	JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	NPT-50-series, NPT-HAN-series	ISO / PAS 23678 (* See Note)
Fast Rescue boat offload	JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	NPT-30 HK-series	ISO / PAS 23678 (* See Note)
Freefall Hydraulic / mechanical	JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	NPT70HKF-series	ISO / PAS 23678 (* See Note)
Lifeboat on load lift not over centre, Curve to flat rotating cams	JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	NPT-HK-series, NPT 50-series	ISO / PAS 23678 (* See Note)
Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	NPT-HKC-series	ISO / PAS 23678 (* See Note)
Rescue boat / Davit Launched Liferaft / Lift over centre automatic	JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	NPT-HK25F-series	ISO / PAS 23678 (* See Note)
Rescue boat offload w. Onload capability	JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	NPT-HK25F-series	ISO / PAS 23678 (* See Note)
Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	PN-HKC-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Central Release Unit	JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	HK-series, JX-1-series, LB80MRseries	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Hydrostatic Unit with Diaphragm	JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	JX-1-series, LB80MR-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat Offload with On-Load Capability	JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	HK-series	ISO / PAS 23678 (* See Note)
Freefall Hydraulic / mechanical	JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	FHK-series	ISO / PAS 23678 (* See Note)
Lifeboat on load lift not over centre, Curve to flat rotating cams	JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	HK-series	ISO / PAS 23678 (* See Note)
Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	LB80MR-series	ISO / PAS 23678 (* See Note)
Lifeboat on load lift not over centre, up and down pins / collars	JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	JX-1-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Central Release Unit	JIANGYINSHI BEIHAI	JYB-HK-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Hydrostatic Unit with Diaphragm	JIANGYINSHI BEIHAI	JYB-HK-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat Offload with On-Load Capability	JIANGYINSHI BEIHAI	JYB-HK-series	ISO / PAS 23678 (* See Note)
Freefall Hydraulic / mechanical	JIANGYINSHI BEIHAI	JYB-HKF-series	ISO / PAS 23678 (* See Note)

Lifeboat on load lift not over centre, up and down pins / collars	JIANGYINSHI BEIHAI	JYB-HK-series	ISO / PAS 23678 (* See Note)
Lifeboat on load lift over centre	KCL (KOLBERG CASPERY LAUTOM A/S)	NOA LRRS-series	ISO / PAS 23678 (* See Note)
Rescue boat / Davit Launched Liferaft / Lift over centre automatic	LALIZAS	LAR 36-series	ISO / PAS 23678 (* See Note)
Rescue boat offload lift over center	LSA SERVICE GMBH	LSA-H2,1-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Central Release Unit	MADROCK	ROCLOC-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Hydrostatic Unit with Float	MADROCK	ROCLOC-series	ISO / PAS 23678 (* See Note)
Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	MADROCK	ROCLOC-series	ISO / PAS 23678 (* See Note)
Rescue boat / Davit Launched Liferaft / Lift over centre automatic	MANSEI	RH-series, RH3-series	ISO / PAS 23678 (* See Note)
Rescue boat / Davit Launched Liferaft / Lift over centre automatic	NED-DECK MARINE (PALFINGER)	CAR 35-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Central Release Unit	NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	HK-series	ISO / PAS 23678 (* See Note)
Lifeboat on load lift not over centre, Curve to flat rotating cams	NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	HK-series	ISO / PAS 23678 (* See Note)
Freefall Hydraulic / mechanical	NINGBO NEW MARINE LIFESAVING EQUIPMENT CO. LTD	JX-2-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Central Release Unit	NISHI-F CO., LTD., (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	IHM 12-series, IHM 13-series, NSseries	ISO / PAS 23678 (* See Note)
Devices for activating release: Free Fall Hydraulic Primary and Secondary	NISHI-F CO., LTD., (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	F-series, ML-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Hydrostatic Unit with Float	NISHI-F CO., LTD., (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	IHM 12-series, IHM 13-series, NSseries	ISO / PAS 23678 (* See Note)
Freefall Hydraulic / mechanical	NISHI-F CO., LTD., (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	F-series, ML-series	ISO / PAS 23678 (* See Note)
Lifeboat on load lift not over centre, Curve to flat rotating cams	NISHI-F CO., LTD., (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	NS-series, SR-series	ISO / PAS 23678 (* See Note)
Lifeboat on load lift not over centre, flat to flat rotating cams	NISHI-F CO., LTD., (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	IHM 12-series, IHM 13-series	ISO / PAS 23678 (* See Note)

	DOCKYARD, NISHI-NIPPON)		
Fast Rescue Boat Offload with On-Load Capability	NOREQ (PALFINGER)	JXN-3-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Central Release Unit	NORMAR (NORWEGIAN MARINE EQUIPMENT)	JX-4-series	ISO / PAS 23678 (* See Note)
Freefall Hydraulic / mechanical	NORMAR (NORWEGIAN MARINE EQUIPMENT)	JX-2-series, JX-4-series	ISO / PAS 23678 (* See Note)
Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	NORSAFE	TOR MK 2-S/6 TON-series	ISO / PAS 23678 (* See Note)
Rescue boat / Davit Launched Lifteraft / Lift over centre automatic	OPTIMUM MARINE	21-25KN-series, 31-37KN-series	ISO / PAS 23678 (* See Note)
Devices for activating release: Free Fall Hydraulic Primary and Secondary	PALFINGER	FFH-series, NPT-series	ISO / PAS 23678 (* See Note)
Fast rescue boat offload / Manual or automatic	PALFINGER	CAR-35F-series	ISO / PAS 23678 (* See Note)
Freefall Hydraulic / mechanical	PALFINGER	FFH-series	ISO / PAS 23678 (* See Note)
Rescue boat offload w. Onload capability	PALFINGER	RRH-series	ISO / PAS 23678 (* See Note)
Freefall Hydraulic / mechanical	PESBO S.A	BSL-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Central Release Unit	QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	BG-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Hydrostatic Unit with Diaphragm	QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	BG-series	ISO / PAS 23678 (* See Note)
Freefall Hydraulic / mechanical	QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	BG-F-series	ISO / PAS 23678 (* See Note)
Lifeboat on load lift not over centre, flat to flat rotating cams	QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	BG-series	ISO / PAS 23678 (* See Note)
Rescue boat offload w. Onload capability	QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	BG-2R-series	ISO / PAS 23678 (* See Note)
Rescue boat / Davit Launched Lifteraft / Lift over centre automatic	SERVO SHIP S.L	200-series	ISO / PAS 23678 (* See Note)
Rescue boat / Davit Launched Lifteraft / Lift over centre automatic	SEZAMOR	HS-series	ISO / PAS 23678 (* See Note)
Rescue boat offload lift over center	SEZAMOR	HLR-series	ISO / PAS 23678 (* See Note)

Devices For Activating Release: Central Release Unit	SHIGI SHIPBUILDING CO. LTD.	SRS-series, SZK-30-series, SZK-5-series	ISO / PAS 23678 (* See Note)
Devices for activating release: Free Fall Hydraulic Primary and Secondary	SHIGI SHIPBUILDING CO. LTD.	WP39-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Hydrostatic Unit with Float	SHIGI SHIPBUILDING CO. LTD.	SRS-series, SZK-30-series, SZK-5-series	ISO / PAS 23678 (* See Note)
Freefall Hydraulic / mechanical	SHIGI SHIPBUILDING CO. LTD.	WP39-series	ISO / PAS 23678 (* See Note)
Lifeboat on load lift not over centre, Curve to flat rotating cams	SHIGI SHIPBUILDING CO. LTD.	SRS-series	ISO / PAS 23678 (* See Note)
Lifeboat on load lift not over centre, up and down pins / collars	SHIGI SHIPBUILDING CO. LTD.	SZK-series, SZK-25M-series, SZK-30-series, SZK5-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Central Release Unit	SURVITEC (SCI)	SAFELAUNCH-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Hydrostatic Unit with Diaphragm	SURVITEC (SCI)	SAFELAUNCH-series	ISO / PAS 23678 (* See Note)
Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	SURVITEC (SCI)	SAFELAUNCH-series	ISO / PAS 23678 (* See Note)
Rescue boat / Davit Launched Liferaft / Lift over centre automatic	SURVITEC (SCI)	SLA 3.5-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Central Release Unit	SURVIVAL SYSTEMS INT.	SURESAFE-series, TRIPLE 5-series, TRIPLE 5 LX-series	ISO / PAS 23678 (* See Note)
Lifeboat on load lift over centre	SURVIVAL SYSTEMS INT.	SURESAFE-series, TRIPLE 5-series, TRIPLE 5 LX-series	ISO / PAS 23678 (* See Note)
Rescue boat / Davit Launched Liferaft / Lift over centre automatic	T-ISS	21-25 KN-series, 31-37 KN-series	ISO / PAS 23678 (* See Note)
Rescue boat / Davit Launched Liferaft / Lift over centre automatic	T-ISS BV	PX02-series, PX01-series	ISO / PAS 23678 (* See Note)
Rescue boat offload w. Onload capability	T-ISS BV	PX03-series	ISO / PAS 23678 (* See Note)
Rescue boat / Davit Launched Liferaft / Lift over centre automatic	THANNER & CO AS (NORPOL)	ILR-series, IRB-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Central Release Unit	TSUNEISHI	43GS-1-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Hydrostatic Unit with Diaphragm	TSUNEISHI	43GS-1-series	ISO / PAS 23678 (* See Note)
Lifeboat on load lift not over centre, up and down pins / collars	TSUNEISHI	43GS-1-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Central Release Unit	VANGUARDE	C-SAFE-series, SH-series	ISO / PAS 23678 (* See Note)

Devices For Activating Release: Hydrostatic Unit with Diaphragm	VANGUARDE	C-SAFE-series, SH-series	ISO / PAS 23678 (* See Note)
Lifeboat on load lift not over centre, Curve to flat rotating cams	VANGUARDE	C-SAFE-series, SH-series	ISO / PAS 23678 (* See Note)
Devices for activating release: Free Fall Hydraulic Primary and Secondary	VERHOEF	TWISTLOCK-series	ISO / PAS 23678 (* See Note)
Freefall Hydraulic / mechanical	VERHOEF	TWISTLOCK-series	ISO / PAS 23678 (* See Note)
Rescue boat offload lift over center	VESTDAVIT	LB-series	ISO / PAS 23678 (* See Note)
Rescue boat offload lift over center	VIKING NORSAFE	VIKING 1.6-series	ISO / PAS 23678 (* See Note)
Lifeboat on load lift over centre	VIKING (NADIRO)	DIB-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Central Release Unit	VIKING (NORSAFE)	NADIRO D.I.B-series, TOR MK 1-series, TOR MK 2-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Electronic Sensor	VIKING (NORSAFE)	NADIRO D.I.B-series	ISO / PAS 23678 (* See Note)
Devices for activating release: Free Fall Hydraulic Primary and Secondary	VIKING (NORSAFE)	GES-series, HRS-series, NFFHseries	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Hydrostatic Unit with Diaphragm	VIKING (NORSAFE)	TOR MK 1-series, TOR MK 2-series	ISO / PAS 23678 (* See Note)
Fast Rescue boat offload	VIKING (NORSAFE)	K4-series	ISO / PAS 23678 (* See Note)
Freefall Hydraulic / mechanical	VIKING (NORSAFE)	HRS-series, NFFH-series	ISO / PAS 23678 (* See Note)
Lifeboat on load lift not over centre, flat to flat rotating cams	VIKING (NORSAFE)	TOR MK 1-series, TOR MK 2-series	ISO / PAS 23678 (* See Note)
Rescue boat / Davit Launched Liferaft / Lift over centre automatic	VIKING (NORSAFE)	RCH 36-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Central Release Unit	WILLIAM MILLS	TITAN-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Hydrostatic Unit with Diaphragm	WILLIAM MILLS	TITAN-series	ISO / PAS 23678 (* See Note)
Lifeboat Offload release lift over centre	WILLIAM MILLS	EMPRESS-series	ISO / PAS 23678 (* See Note)
Lifeboat on load lift not over centre, flat to flat rotating cams	WILLIAM MILLS	TITAN-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Central Release Unit	WUXI HAIHONG BOAT MAKING CO., LTD	HH43-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Hydrostatic Unit with Diaphragm	WUXI HAIHONG BOAT MAKING CO., LTD	HH43-series	ISO / PAS 23678 (* See Note)
Lifeboat on load lift not over centre, up and down pins / collars	WUXI HAIHONG BOAT MAKING CO., LTD	HH43-series	ISO / PAS 23678 (* See Note)

Rescue boat / Davit Launched Liferaft / Lift over centre automatic	WUXI MINGZI MACHINERY MANUFACTURING CO., LTD	21-37KN-series, 250T 25-series	ISO / PAS 23678 (* See Note)
Rescue boat offload w. Onload capability	WUXI MINGZI MACHINERY MANUFACTURING CO., LTD	15KN-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat Offload with On-Load Capability	WUXI WENJIAO	HK-series	ISO / PAS 23678 (* See Note)
Rescue boat / Davit Launched Liferaft / Lift over centre automatic	WUXI XINGSHENG	21KN_23KN_25KN_35KN-series, XS-series	ISO / PAS 23678 (* See Note)
Rescue boat offload w. Onload capability	WUXI XINGSHENG	15KN-series, XS15-series	ISO / PAS 23678 (* See Note)
Rescue boat / Davit Launched Liferaft / Lift over centre automatic	YILMAZ DENIZCILIK	YDGS-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Central Release Unit	ZHEJIANG NORSIER LIFESAVING EQUIPMENT TECHNOLOGY CO.,LTD (ZHEJIANG HENGXIN SHIP EQUIPMENTS CO.,LTD)	HK40-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Hydrostatic Unit with Diaphragm	ZHEJIANG NORSIER LIFESAVING EQUIPMENT TECHNOLOGY CO.,LTD (ZHEJIANG HENGXIN SHIP EQUIPMENTS CO.,LTD)	NHK40-series	ISO / PAS 23678 (* See Note)
Lifeboat on load lift not over centre, Curve to flat rotating cams	ZHEJIANG NORSIER LIFESAVING EQUIPMENT TECHNOLOGY CO.,LTD (ZHEJIANG HENGXIN SHIP EQUIPMENTS CO.,LTD)	NHK40-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat Offload with On-Load Capability	ZHEJIANG WANTONG HEAVY INDUSTRY CO., LTD	HK-series	ISO / PAS 23678 (* See Note)
Freefall Hydraulic / mechanical	ZHEJIANG WANTONG HEAVY INDUSTRY CO., LTD	HK-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Central Release Unit	ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	HK40-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Hydrostatic Unit with Diaphragm	ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	HK40-series	ISO / PAS 23678 (* See Note)
Freefall Hydraulic / mechanical	ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	SH-series	ISO / PAS 23678 (* See Note)

Fast Rescue Boat Offload with On-Load Capability	ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	HK40-series	ISO / PAS 23678 (* See Note)
Lifeboat on load lift not over centre, Curve to flat rotating cams	ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	HK-series	ISO / PAS 23678 (* See Note)
Lifeboat on load lift not over centre, up and down pins / collars	ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	HK40-series	ISO / PAS 23678 (* See Note)
SURVIVAL CRAFT, RESCUE BOATS			
Partially enclosed lifeboat, twin fall	ACEBI	PELB-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, tanker version	ACEBI	TELB-series	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall	AMBAR MARINE	AM420-series	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall	AVON	RB-series, SR-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, freefall	BALDEN	BD-FFC-series, BD-FFT-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, dry version	BALDEN	BD-LBC-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, tanker version	BALDEN	BD-LBC-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, dry version	BEIYANG BOATBUILDING CO.LTD	20 TECB-series	ISO / PAS 23678 (* See Note)
Partially enclosed lifeboat, twin fall	BIANCHI & CHECCHI	PE-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, single fall	BROOKER (SURVIVAL SYSTEMS INTERNATIONAL)	CA-series	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall	CASTOLDI S.R.L.	JET TENDER 18 RB-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, dry version	CSSC LUZHOU ZHENJIANG MARINE AUXILIARY MACHINERY CO., LTD (EX ZMAMW)	YH-QFP-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, freefall	CSSC LUZHOU ZHENJIANG MARINE AUXILIARY MACHINERY WORKS (EX ZMAMW)	YHFP-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall	DAFER (NARWHAL)	FRB-series	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall	DAFER (NARWHAL)	FRB 700-series, FRB 900-series, SV-series	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall	DELTA	COMET-series, PHANTOM-series	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall	DSB DEUTSCHE SCHLAUCHBOOTE	IRB-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall	DSB ENGINEERING CO LTD	DSBRA / RB-series	ISO / PAS 23678 (* See Note)
Partially enclosed lifeboat, twin fall	DSB ENGINEERING CO LTD	DSBP-series	ISO / PAS 23678 (* See Note)

Rescue Boat, single fall	DSB ENGINEERING CO LTD	DSBR / RA / RB / RB-series, NPTR-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, freefall	DSB ENGINEERING CO LTD	DSBFC-series, DSBFF-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, dry version	DSB ENGINEERING CO LTD	DSBC-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, tanker version	DSB ENGINEERING CO LTD	DSBF-series	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall	ESVAGT	ALU 460 F-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall	FASSMER	FRR-series	ISO / PAS 23678 (* See Note)
Partially enclosed lifeboat, twin fall	FASSMER	CL-P-series, PLL-series, SELseries	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall	FASSMER	FRIR-series, RR-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, freefall	FASSMER	GAR-series, GAR-T-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, dry version	FASSMER	CL-series, CLR-C-series, CLXseries, GMR-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, tanker version	FASSMER	CL-series, CLR-T-series, CLXseries, T-GMR-series	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall	FASSMER MARLAND	RR-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, freefall	FASSMER MARLAND	CFL-C-series, CFL-T-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, dry version	FASSMER MARLAND	CLR-C-series, DRAGON C-series, HH-C-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, tanker version	FASSMER MARLAND	CLR-T-series, DRAGON T-series, HH-T-series	ISO / PAS 23678 (* See Note)
Open lifeboat, twin fall	FUKAYA MANUFACTORY THE HAKODATE DOCK CO.,LTD	HL 73-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall	GEPA	G-FRB-series	ISO / PAS 23678 (* See Note)
Partially enclosed lifeboat, twin fall	GEPA	G-FYK-series	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall	GEPA	G-RB1-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, freefall	GEPA	G-FFF-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, dry version	GEPA	G-FK-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, tanker version	GEPA	GFK-FP-series	ISO / PAS 23678 (* See Note)
Partially enclosed lifeboat, twin fall	GREBEN	PEL-series	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall	GREBEN	RB-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, freefall	GREBEN	FFL-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, dry version	GREBEN	TEL-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, tanker version	GREBEN	TEL-FP-series	ISO / PAS 23678 (* See Note)

Partially enclosed lifeboat, twin fall	HARDING (UMO SCHAT HARDING)	CTL-series, ML-series, MPCseries	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall	HARDING (UMO SCHAT HARDING)	MOB 4.5A-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, freefall	HARDING (UMO SCHAT HARDING)	FF-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, dry version	HARDING (UMO SCHAT HARDING)	MCF-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, tanker version	HARDING (UMO SCHAT HARDING)	MCB-series, MCM-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, tanker version	HARDING (UMO SCHAT HARDING) (PALFINGER)	MC-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, freefall	HARDING (UMO SCHAT HARDING) (PALFINGER)	HARDING-LBF-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall	HARDING (UMO SCHAT HARDING) (PALFINGER)	STINGER 630-series	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall	HARDING (UMO SCHAT HARDING) (PALFINGER)	MOB 17-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, dry version	HARDING (UMO SCHAT HARDING) (PALFINGER)	LBT-C-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, tanker version	HARDING (UMO SCHAT HARDING) (PALFINGER)	LBT-T-series	ISO / PAS 23678 (* See Note)
Partially enclosed lifeboat, twin fall	HARDING (WATERCRAFT)	MOB-series, MOBAC-series, PELBseries, PERB-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, freefall	HARDING (WATERCRAFT)	WFF-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, tanker version	HARDING (WATERCRAFT)	MK 1-series, MK 2-series, MK 3-series, MK 4-series, MK 5-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, dry version	HARDING BOAT BUILDING (QINGDAO) CO., LTD.(UMO SCHAT HARDING)	TECB-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall	HATECKE (ERNST HATECKE)	FRB 600-series	ISO / PAS 23678 (* See Note)
Partially enclosed lifeboat, twin fall	HATECKE (ERNST HATECKE)	PEL-series, PL-series	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall	HATECKE (ERNST HATECKE)	RB-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, freefall	HATECKE (ERNST HATECKE)	GFF-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, dry version	HATECKE (ERNST HATECKE)	GSL-T-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, tanker version	HATECKE (ERNST HATECKE)	GSL-T-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall	HLB (HYUNDAI LIFEBOATS)	HDFR-series	ISO / PAS 23678 (* See Note)

Rescue Boat, single fall	HLB (HYUNDAI LIFEBOATS)	HDR-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, freefall	HLB (HYUNDAI LIFEBOATS)	HDF25T-series, HDFL740F-series, HDFN-F-series, HDFN-T-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, dry version	HLB (HYUNDAI LIFEBOATS)	HDL-series, HLB-series, HT78-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, tanker version	HLB (HYUNDAI LIFEBOATS)	HDL-series, HDL-CF-series, HLBseries	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, dry version	HOEI SENPAKU CO.,LTD	HS-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, tanker version	HOEI SENPAKU CO.,LTD	HS650F-series, HSF-series	ISO / PAS 23678 (* See Note)
Open lifeboat, twin fall	IHI MARINE UNITED INC	G-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, dry version	IHI MARINE UNITED INC	GTC-series, GTC-C-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, tanker version	IHI MARINE UNITED INC	GT-F-series, GTC-F-series, GTRJYF-series	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall	JAPAN MARINE UNITED CORP.	MU-GJ-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, freefall	JAPAN MARINE UNITED CORP.	MU-FN-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, dry version	JAPAN MARINE UNITED CORP.	GF-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, tanker version	JAPAN MARINE UNITED CORP.	GTR-JYF-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall	JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	GJ-series	ISO / PAS 23678 (* See Note)
Partially enclosed lifeboat, twin fall	JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	JY-BF-series	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall	JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	GJ-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, freefall	JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	JY-FF-series, JYM-FF-series, JYMFN-series	ISO / PAS 23678 (* See Note)

Totally enclosed lifeboat, twin fall, dry version	JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	JY-QFP-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, tanker version	JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	GTR-JYF-series, JY-QFN-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall	JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	NPT-RA-series	ISO / PAS 23678 (* See Note)
Partially enclosed lifeboat, twin fall	JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	NPT-P-series, NPT-PT-series	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall	JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	NPT-R-series, NPT-RA-series, NPT-RB-series, NPT-RFA-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, freefall	JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	NPT-FA-series, NPT-FC-series, NPT-FCA-series, NPT-FF-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, dry version	JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	NPT-C-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, tanker version	JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	NPT-F-series, NPT SC-series	ISO / PAS 23678 (* See Note)
Open lifeboat, twin fall	JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	JYK-series	ISO / PAS 23678 (* See Note)
Partially enclosed lifeboat, twin fall	JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	JYP-series	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall	JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	JYDR-series, JYKR-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, freefall	JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	JYCF-series, JYFF-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, dry version	JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	JYC-series, JYCA-series, JYCBseries	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, tanker version	JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	JYF-series, JYFA-series, JYFBseries	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall	JIANGYIN XINJIANG	GJ-series, GJ- B-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, freefall	JIANGYIN XINJIANG	JY-FN-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall	JIANGYIN XINJIANG	JYB-G-series, JYB-Q-series	ISO / PAS 23678 (* See Note)
Open lifeboat, twin fall	JIANGYIN XINJIANG	JYB-K-series	ISO / PAS 23678 (* See Note)
Partially enclosed lifeboat, twin fall	JIANGYIN XINJIANG	JYB-B-series	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall	JIANGYIN XINJIANG	JY-BR-series, JYB-KR-series, SCK-series, SC-KR-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, freefall	JIANGYIN XINJIANG	JYB-FC-series, JYB-FF-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, dry version	JIANGYIN XINJIANG	JYB-C-series	ISO / PAS 23678 (* See Note)

Totally enclosed lifeboat, twin fall, tanker version	JIANGYINSHI BEIHAI	JYB-F-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, dry version	KANG NAM. CORPORATION	GTB-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall	MARE SAFETY AS	GTC 700-series, MS FRB-series	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall	MARE SAFETY AS	RB-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall	MARITIME PARTNERS	WEEDO 600-series, WEEDO 700-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall	MARITIME PARTNERS	ALUSAFE 1200 DC-series, ALUSAFE 700-series, ALUSAFE 770-series, ALUSAFE 900-series, SEA BEAR 23-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall	MARITIME PARTNERS (HUKKELBERG BOATS)	SPRINGER-series	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall	MARITIME PARTNERS	WEEDO 17 SOLAS-series	ISO / PAS 23678 (* See Note)
Partially enclosed lifeboat, twin fall	MULDER EN RIJKE	PELB-series, PTL-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, single fall	MULDER EN RIJKE	TELB-S-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, tanker version	MULDER EN RIJKE	TELB-series	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall	NARWHAL	SV-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall	NARWHAL (DAFER)	SV-series	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall	NED-DECK MARINE (PALFINGER)	NMD 4.40 RESCUE-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, tanker version	NED-DECK MARINE (PALFINGER)	NPT-series, PN85F-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall	NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	YZRA-series, YZRB-series	ISO / PAS 23678 (* See Note)
Open lifeboat, twin fall	NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	BJ-series	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall	NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	BJ-series, YZ-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, freefall	NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	YZFC-series, YZFF-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, dry version	NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	YZC-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, tanker version	NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	YZC-series	ISO / PAS 23678 (* See Note)

Rescue Boat, single fall	NINGBO NEW MARINE LIFESAVING EQUIPMENT CO. LTD	NM43R-series, NM45R-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, freefall	NINGBO NEW MARINE LIFESAVING EQUIPMENT CO. LTD	NM58FF-series, NM59FC-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, dry version	NINGBO NEW MARINE LIFESAVING EQUIPMENT CO. LTD	NM-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall	NISHI-F CO., LTD., (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	FRP-series	ISO / PAS 23678 (* See Note)
Open lifeboat, twin fall	NISHI-F CO., LTD., (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	NF-series, NFA-series	ISO / PAS 23678 (* See Note)
Partially enclosed lifeboat, twin fall	NISHI-F CO., LTD., (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	PML-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, freefall	NISHI-F CO., LTD., (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	FF-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, dry version	NISHI-F CO., LTD., (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	CML-series, EML-series, G-TRseries	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, tanker version	NISHI-F CO., LTD., (EX. ISHIHARA DOCKYARD, NISHI-NIPPON)	CML-series, EML-series, G-AFRseries, G-FR-series	ISO / PAS 23678 (* See Note)
Partially enclosed lifeboat, twin fall	NOREQ	LBP-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall	NOREQ (PALFINGER)	FRB-series	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall	NOREQ (PALFINGER)	RRB-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, freefall	NOREQ (PALFINGER)	LBF-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, tanker version	NOREQ (PALFINGER)	LBT-series NORMAR	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall	NORMAR (NORWEGIAN MARINE EQUIPMENT)	FRC-series	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall	NORMAR (NORWEGIAN MARINE EQUIPMENT)	NORMAR-RESCUE 425-series, RESCUE 425 / 500-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, freefall	NORMAR (NORWEGIAN MARINE EQUIPMENT)	FREE FALL 4.9 TO 8.5T-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, tanker version	NORMAR (NORWEGIAN MARINE EQUIPMENT)	TELB-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, dry version	OY FISKARS AB	TELB-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, tanker version	OY FISKARS AB	TELB-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall	PALFINGER	FRSQ-series	ISO / PAS 23678 (* See Note)

Partially enclosed lifeboat, twin fall	PALFINGER	CTL-series, MPC-series, NPT-Tseries	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall	PALFINGER	RSQ-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, freefall	PALFINGER	FF-series, NPT-FC-series, NPTFF-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, dry version	PALFINGER	KISS-C-series, NPT-F-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, tanker version	PALFINGER	KISS-T-series, NPT-C-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, freefall	PESBO S.A	BSL-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, dry version	PESBO S.A	BSC-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall	QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	BH-HR7-series, FRB-series	ISO / PAS 23678 (* See Note)
Partially enclosed lifeboat, twin fall	QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	BH10-series	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall	QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	BH-R-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, freefall	QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	BH-F-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, dry version	QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	BH-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, tanker version	QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	BH-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, freefall	SHANGHAI JIANGNAN	JN-FC-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall	SHIGI SHIPBUILDING CO. LTD.	FRP-series	ISO / PAS 23678 (* See Note)
Open lifeboat, twin fall	SHIGI SHIPBUILDING CO. LTD.	SZGM-series, SZGO-series	ISO / PAS 23678 (* See Note)
Partially enclosed lifeboat, twin fall	SHIGI SHIPBUILDING CO. LTD.	SZP-series, SZPR-series	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall	SHIGI SHIPBUILDING CO. LTD.	SZRS-series, VOX46-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, freefall	SHIGI SHIPBUILDING CO. LTD.	FEL-series, GARS-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, dry version	SHIGI SHIPBUILDING CO. LTD.	SZBR-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, tanker version	SHIGI SHIPBUILDING CO. LTD.	SZTR-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall	STOCZNIA USTKA SP. Z O.O.	FRB-series	ISO / PAS 23678 (* See Note)

Rescue Boat, single fall	STOCZNIA USTKA SP. Z O.O.	R-series, RIB-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, freefall	STOCZNIA USTKA SP. Z O.O.	FFB-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, dry version	STOCZNIA USTKA SP. Z O.O.	Z-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall	SURVITEC (SCI)	SC60RA-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, freefall	SURVITEC (SCI)	FF-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, dry version	SURVITEC (SCI)	SCFA-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, tanker version	SURVITEC (SCI)	SCFA-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall	SURVIVAL SYSTEMS INT	FRB-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, single fall	SURVIVAL SYSTEMS INT	CA-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, dry version	TSUNEISHI	TL-TE-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, dry version	TSUNEISHI (KAMBARA RINGYO)	KL-TE-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, tanker version	TSUNEISHI (KAMBARA RINGYO)	KL-FP-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, dry version	TSUNEISHI (SANYO WORKS)	TE-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, tanker version	TSUNEISHI (SANYO WORKS)	FP-series	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall	VALIANT	RB-450-series	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall	VANGUARD MARINE LDA	SOLAS 450 RB-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall	VANGUARDE	VG-FRK-series, VG-FRW- series	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall	VANGUARDE	VG-DRS-series, VG-KR- series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, dry version	VANGUARDE	VG-C-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, tanker version	VANGUARDE	VG-F-series, VG-HLB- series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, dry version	VEB SCHIFFSWERFT RECHLIN/MURITZ	GAL-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall	VIKING (NORSAFE)	470 GRP-series, MAGNUM- series, MAKO-series, MERLIN- series	ISO / PAS 23678 (* See Note)
Partially enclosed lifeboat, twin fall	VIKING (NORSAFE)	MINIMA-series	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall	VIKING (NORSAFE)	MAKO-series, MERLIN- series, MIDGET-series	ISO / PAS 23678 (* See Note)

Totally enclosed lifeboat, freefall	VIKING (NORSAFE)	JYN-F-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, dry version	VIKING (NORSAFE)	JYN-C-series, MAGGIE-C-series, MATILDA-C-series, MAUD-C-series, MAXIMA-C-series, MIRAMC-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, tanker version	VIKING (NORSAFE)	JYN-MKI-series, JYN-T-series, MAGGIE-T-series, MATILDA-Tseries, MAUD-T-series, MAXIMAT-series, MIRAM-T-series	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall	VIKING (NORSAFE) (JIANGYIN)	MATRIX-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, freefall	VIKING (NORSAFE) (JIANGYIN)	GES-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall	VIKING NEUVISA	RR-40-series	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall	WATERCRAFT (WATERCRAFT HELLAS)	4.9M-RB-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, dry version	WATERCRAFT (WATERCRAFT HELLAS)	MK 5-series	ISO / PAS 23678 (* See Note)
Partially enclosed lifeboat, twin fall	WATERMAN OY	365-series, 367-series, 391-series, 393-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, tanker version	WATERMAN OY	351-series, 366-series, 366HRLseries, 368-series, 371-series, 371HR-series, 377-series, 379-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, single fall	WHITTAKER	CA-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall	WORKRIBS HOLLAND BV	WRH 635 FRB-series	ISO / PAS 23678 (* See Note)
Open lifeboat, twin fall	WUXI HAIHONG BOAT MAKING CO., LTD	BH-series, BJ-series	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall	WUXI HAIHONG BOAT MAKING CO., LTD	GJ-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, freefall	WUXI HAIHONG BOAT MAKING CO., LTD	HH-FC-series, HH-FF-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, dry version	WUXI HAIHONG BOAT MAKING CO., LTD	HH-C-series, HH-CS-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, tanker version	WUXI HAIHONG BOAT MAKING CO., LTD	HH-T-series, HH-TS-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall	WUXI WENJIAO	WJ-RA-series, WJ-RB-series	ISO / PAS 23678 (* See Note)
Open lifeboat, twin fall	WUXI WENJIAO	BH-series, BJ-series, WJ-series	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall	WUXI WENJIAO	GJ-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, freefall	WUXI WENJIAO	WJFF-series, WJFFC-series, WUXI WENJIAO / WJFFC-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, dry version	WUXI WENJIAO	WJBC-series	ISO / PAS 23678 (* See Note)

Totally enclosed lifeboat, twin fall, tanker version	WUXI WENJIAO	WJBF-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall	XTENDERS	6.8M SOLAS TENDER-series	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall	ZHEJIANG HENGXIN SHIP EQUIPMENTS CO.,LTD	GJ-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, freefall	ZHEJIANG HENGXIN SHIP EQUIPMENTS CO.,LTD	BCFC-series, BCFF-series, FL-Cseries, FL-F-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, dry version	ZHEJIANG HENGXIN SHIP EQUIPMENTS CO.,LTD	BCC-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, tanker version	ZHEJIANG HENGXIN SHIP EQUIPMENTS CO.,LTD	BCF-series	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall	ZHEJIANG HENGXIN SHIP EQUIPMENTS CO.,LTD	GJ-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, freefall	ZHEJIANG HENGXIN SHIP EQUIPMENTS CO.,LTD	BCFF-series	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall	ZHEJIANG HENGXIN SHIP EQUIPMENTS CO.,LTD	ZJM-4.0-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, freefall	ZHEJIANG HENGXIN SHIP EQUIPMENTS CO.,LTD	ZJM-FF-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall	ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	YH-FRB-series	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall	ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	YH-FRA-series, YH-R-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, freefall	ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	YHFP-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, dry version	ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	YH-QFP-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, tanker version	ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	YH-DR-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall	ZODIAC (SURVITEC)	RIB-series	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall	ZODIAC (SURVITEC)	H472S-series, RIBO-series	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall	ZODIAC HURRICANE	H561 PROLUXE-series	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall	ZODIAC MILPRO INTERNATIONAL	RIBO-series	ISO / PAS 23678 (* See Note)
WINCHES			
Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake	A TECH	AT10-LRD-series	ISO / PAS 23678 (* See Note)

centrifugal pads			
Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	ACEBI	TBE-series	ISO / PAS 23678 (* See Note)
Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	ACEBI	TR-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	ACEBI	TBE-series	ISO / PAS 23678 (* See Note)
Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	ACOIN	BE-2-series	ISO / PAS 23678 (* See Note)
Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	ACTA	KNT-series	ISO / PAS 23678 (* See Note)
Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	ALEXANDER WELIN	AIW-series	ISO / PAS 23678 (* See Note)
Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	BDF-series, BLW-series, BRWseries	ISO / PAS 23678 (* See Note)
Single Drum, hydraulic-lowering/hydraulic hoisting	BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	HDF-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	BA-series, BM-series, ELEC. MOTOR DRIVEN-series	ISO / PAS 23678 (* See Note)

Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	BADA HEAVY INDUSTRIES CO., LTD.	BDTW-series, BMW-series, BWLseries, BWR-series	ISO / PAS 23678 (* See Note)
Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	BADA HEAVY INDUSTRIES CO., LTD.	BHI-EHW-series, BLW-series	ISO / PAS 23678 (* See Note)
Single Drum, hydraulic-lowering/hydraulic hoisting	BOPP TREUILS JEB	BHP 4200-series	ISO / PAS 23678 (* See Note)
Single Drum, hydraulic-lowering/hydraulic hoisting	BREVINI	BWC-series, BWF 025-series, PWD-series, W381-series	ISO / PAS 23678 (* See Note)
Single Drum, hydraulic-lowering/hydraulic hoisting	BRYNE MEKANIKK AS	H02D1D-series	ISO / PAS 23678 (* See Note)
Single Drum, hydraulic-lowering/hydraulic hoisting	CRAMM YACHTING SYSTEMS B.V	BWF1500-series	ISO / PAS 23678 (* See Note)
Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	CSSC LUZHOU ZHENJIANG MARINE AUXILIARY MACHINERY WORKS (EX ZMAMW)	SAF-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	CSSC LUZHOU ZHENJIANG MARINE AUXILIARY MACHINERY WORKS (EX ZMAMW)	DS/DZ-series	ISO / PAS 23678 (* See Note)
Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	DAVIT COMPANY (PALFINGER)	16 EV-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	DAVIT COMPANY (PALFINGER)	24EPB-series	ISO / PAS 23678 (* See Note)
Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	DAVIT INTERNATIONAL	01KN-series, 02KN-series, 03 KNseries, 04KN-series, 07KN-series	ISO / PAS 23678 (* See Note)
Single Drum, hydraulic-lowering/hydraulic hoisting	DAVIT INTERNATIONAL	06KN-series	ISO / PAS 23678 (* See Note)

Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	DAVIT INTERNATIONAL	12-series, 40-series	ISO / PAS 23678 (* See Note)
Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	DENIZSAN	MTV1-series	ISO / PAS 23678 (* See Note)
Single Drum, hydraulic-lowering/hydraulic hoisting	DINAMIC OIL	DRM-FHW / RW-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	DONGNAM ENTERPRISE.,CO LTD	HLW-series	ISO / PAS 23678 (* See Note)
Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	DONGNAM MARINE CRANE CO.,LTD.	DSAD-series	ISO / PAS 23678 (* See Note)
Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	DONGNAM MARINE CRANE CO.,LTD.	DRBD-series, DRBLRW-series	ISO / PAS 23678 (* See Note)
Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	DONGWOO MACHINERY & ENGINEERING CO., LTD.	DBD-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	DONGWOO MACHINERY & ENGINEERING CO., LTD.	LW-series	ISO / PAS 23678 (* See Note)
Single Drum, hydraulic-lowering/hydraulic hoisting	DSB ENGINEERING CO LTD	DRM-HW-series	ISO / PAS 23678 (* See Note)
Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	EO LIFESAVING	W-series	ISO / PAS 23678 (* See Note)
Single drum Gravity lowering electric	FASSMER	DEW-series	ISO / PAS 23678 (* See Note)

hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads			
Single Drum, hydraulic-lowering/hydraulic hoisting	FASSMER	FFWH-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake hydraulic pump	FASSMER	FDW-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes, multiple disks, hydraulically operated / decent brake hydraulic pump	FASSMER	FDW-series	ISO / PAS 23678 (* See Note)
Single Drum, hydraulic-lowering/hydraulic hoisting	FASSMER MARLAND	FFWH-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	FASSMER MARLAND	D-series	ISO / PAS 23678 (* See Note)
Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	FERRI	1702 TN-series	ISO / PAS 23678 (* See Note)
Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	GLOBAL DAVIT	W01KN-series, W02KN-series, W03KN-series, W04KN-series, W08KN-series	ISO / PAS 23678 (* See Note)
Single Drum, hydraulic-lowering/hydraulic hoisting	GLOBAL DAVIT	02H.06.01-series, W05HC-series, W08HC-series, WS-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	GLOBAL DAVIT	04KN-series, 14KN-series, 20KNseries, 26KN-series, W07KNseries, W10KN-series	ISO / PAS 23678 (* See Note)
Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	GREBEN	EW-2-series, PROMAC 12/4.2 ELseries	ISO / PAS 23678 (* See Note)

Single Drum, hydraulic-lowering/hydraulic hoisting	GREBEN	HW-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	GREBEN	CW-series, EW-series	ISO / PAS 23678 (* See Note)
Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	GURDESAN	GD-FLW-series	ISO / PAS 23678 (* See Note)
Single Drum, hydraulic-lowering/hydraulic hoisting	GURDESAN	GD-HC-A-series, GD-KV 35-series	ISO / PAS 23678 (* See Note)
Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	HAEAN MACHINERY IND. CO. LTD.	HMI-series	ISO / PAS 23678 (* See Note)
Single Drum, hydraulic-lowering/hydraulic hoisting	HAEAN MACHINERY IND. CO. LTD.	HHD-PC-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	HARDING (UMO SCHAT HARDING)	HD-series, MW-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes, multiple disks, hydraulically operated / decent brake hydraulic pump	HARDING (UMO SCHAT HARDING)	CW-series	ISO / PAS 23678 (* See Note)
Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	HARDING (UMO SCHAT HARDING) (DAVIT COMPANY) (SCHAT DAVIT COMPANY) (PALFINGER)	16EB / EBR-series	ISO / PAS 23678 (* See Note)
Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	HARDING (UMO SCHAT HARDING) (SCHAT DAVIT COMPANY) (PALFINGER)	BE 7.5-series	ISO / PAS 23678 (* See Note)
Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	HARDING (UMO SCHAT HARDING) (SCHAT DAVIT COMPANY) (PALFINGER)	08-02-series, FM 194-series, FME-series	ISO / PAS 23678 (* See Note)
Single Drum, hydraulic-lowering/hydraulic hoisting	HARDING (UMO SCHAT HARDING) (SCHAT	EW-02-PL-series	ISO / PAS 23678 (* See Note)

	DAVIT COMPANY) (PALFINGER)		
Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	HARDING (UMO SCHAT HARDING) (SCHAT DAVIT COMPANY) (PALFINGER)	2-22-13-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	HARDING (UMO SCHAT HARDING) (SCHAT DAVIT COMPANY) (PALFINGER) (WATERCRAFT)	BE-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes, multiple disks, hydraulically operated / decent brake hydraulic pump	HARDING (UMO SCHAT HARDING) (PALFINGER)	W-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	HARDING (WATERCRAFT)	MW-series, NW-series	ISO / PAS 23678 (* See Note)
Single Drum, hydraulic-lowering/hydraulic hoisting	HATECKE (ERNST HATECKE)	07.02.08-series, FFA-series	ISO / PAS 23678 (* See Note)
Single Drum, hydraulic-lowering/hydraulic hoisting	HYDRALIFT	SP-series	ISO / PAS 23678 (* See Note)
Single Drum, hydraulic-lowering/hydraulic hoisting	HYDRAMARINE	23B35T22-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	IHI MARINE UNITED INC	MUW-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	IKNOW MACHINERY (TSUJI HEAVY INDUSTRIES)	EB-series	ISO / PAS 23678 (* See Note)
Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	IMT CO., LTD	ILR-W-series	ISO / PAS 23678 (* See Note)
Single Drum, hydraulic-lowering/hydraulic hoisting	INI HYDRAULIC	IYJ2.53-39—57-16-ZPN-series	ISO / PAS 23678 (* See Note)
Single Drum, hydraulic-lowering/hydraulic hoisting	HAEAN MACHINERY IND. CO. LTD.	HHD-PC-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity-lowering/electrically	HARDING (UMO SCHAT HARDING)	HD-series, MW-series	ISO / PAS 23678 (* See Note)

hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads			
Twin Drum, gravity- lowering/electrically hoisting w/holding static brakes, multiple disks, hydraulically operated / decent brake hydraulic pump	HARDING (UMO SCHAT HARDING)	CW-series	ISO / PAS 23678 (* See Note)
Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	HARDING (UMO SCHAT HARDING) (DAVIT COMPANY) (SCHAT DAVIT COMPANY) (PALFINGER)	16EB / EBR-series	ISO / PAS 23678 (* See Note)
Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	HARDING (UMO SCHAT HARDING) (SCHAT DAVIT COMPANY) (PALFINGER)	BE 7.5-series	ISO / PAS 23678 (* See Note)
Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	HARDING (UMO SCHAT HARDING) (SCHAT DAVIT COMPANY) (PALFINGER)	08-02-series, FM 194-series, FME-series	ISO / PAS 23678 (* See Note)
Single Drum, hydraulic- lowering/hydraulic hoisting	HARDING (UMO SCHAT HARDING) (SCHAT DAVIT COMPANY) (PALFINGER)	EW-02-PL-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	HARDING (UMO SCHAT HARDING) (SCHAT DAVIT COMPANY) (PALFINGER)	2-22-13-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity- lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	HARDING (UMO SCHAT HARDING) (SCHAT DAVIT COMPANY) (PALFINGER) (WATERCRAFT)	BE-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity- lowering/electrically hoisting w/holding static brakes, multiple disks, hydraulically operated / decent brake hydraulic pump	HARDING (UMO SCHAT HARDING) (PALFINGER)	W-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity- lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	HARDING (WATERCRAFT)	MW-series, NW-series	ISO / PAS 23678 (* See Note)

Single Drum, hydraulic-lowering/hydraulic hoisting	HATECKE (ERNST HATECKE)	07.02.08-series, FFA-series	ISO / PAS 23678 (* See Note)
Single Drum, hydraulic-lowering/hydraulic hoisting	HYDRALIFT	SP-series	ISO / PAS 23678 (* See Note)
Single Drum, hydraulic-lowering/hydraulic hoisting	HYDRAMARINE	23B35T22-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	IHI MARINE UNITED INC	MUW-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	IKNOW MACHINARY (TSUJI HEAVY INDUSTRIES)	EB-series	ISO / PAS 23678 (* See Note)
Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	IMT CO., LTD	ILR-W-series	ISO / PAS 23678 (* See Note)
Single Drum, hydraulic-lowering/hydraulic hoisting	INI HYDRAULIC	IYJ2.53-39—57-16-ZPN-series	ISO / PAS 23678 (* See Note)
Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	JAPAN MARINE UNITED CORP.	JYR-21-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	JAPAN MARINE UNITED CORP.	MU-series	ISO / PAS 23678 (* See Note)
Single Drum, hydraulic-lowering/hydraulic hoisting	JIANGSU JIAOYAN MARINE EQUIPMENT CO. LTD	FW45-series	ISO / PAS 23678 (* See Note)
Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	JYA30-series, JYRZ-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks	JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	JYW-series, JYWP-series	ISO / PAS 23678 (* See Note)

friction pads / decent brake centrifugal w pads			
Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	NPT-DW-series	ISO / PAS 23678 (* See Note)
Single Drum, hydraulic-lowering/hydraulic hoisting	JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	NPT-DW-B-series, NPT-HW-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	NPT-DS-series, NPT-DW-series	ISO / PAS 23678 (* See Note)
Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	JY-D 23Z-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	JYD-series	ISO / PAS 23678 (* See Note)
Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	JIANGYINSHI BEIHAI	DZ-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	JIANGYINSHI BEIHAI	DS-series, DW-series, JYBWseries	ISO / PAS 23678 (* See Note)
Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	JIANGYINSHI BEIHAI LSA CO., LTD.	DZ-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with	JUNG-A-MARINE CO., LTD	PCRLC-series	ISO / PAS 23678 (* See Note)

mechanically operated multiple disks friction pads / decent brake centrifugal w pads			
Single Drum, hydraulic- lowering/hydraulic hoisting	MACGREGOR (TTS) (HYDRAMARINE)	HMW-series	ISO / PAS 23678 (* See Note)
Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	MANSEI	ERW-series, MLW-series, RMWseries, SW-series	ISO / PAS 23678 (* See Note)
Single Drum, hydraulic- lowering/hydraulic hoisting	MANSEI	06KN-series, FW-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity- lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	MANSEI	AW-series, CMW-series, EWseries, MW-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity- lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	MANSEI	ABW-series, FBW-series, MWseries	ISO / PAS 23678 (* See Note)
Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	MARITIME DECK MACHINERY	W-6116 E-series	ISO / PAS 23678 (* See Note)
Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brakecentrifugal pads	MENAROM SA	CMPS 21-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	MIURA MACHINE CO.,LTD (MIURA VIDER) (MANSEI)	LBH-series, RBH-series	ISO / PAS 23678 (* See Note)
Single Drum, hydraulic- lowering/hydraulic hoisting	MJØSUND BÅT & HYDRAAULIK	MV-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity- lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	NANJING DONGSHENG MARINE EQUIPMENT CO., LTD	DB14-series	ISO / PAS 23678 (* See Note)
Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake	NANJING DONGSHENG MARINE EQUIPMENT CO.,LTD	ARL21-series	ISO / PAS 23678 (* See Note)

pad, cone, disk, eccentric cam / decent brake centrifugal pads			
Single Drum, hydraulic-lowering/hydraulic hoisting	NAVIGATION'S	HWRB 1.2-series	ISO / PAS 23678 (* See Note)
Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	NAVIM GROUP (TECNIMPIANTI S.P.A)	RBEW-series	ISO / PAS 23678 (* See Note)
Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	NED-DECK MARINE (PALFINGER)	04-series	ISO / PAS 23678 (* See Note)
Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	NED-DECK MARINE (PALFINGER)	HWCT-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	NED-DECK MARINE (PALFINGER)	15-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	NOR DAVIT	SP-series	ISO / PAS 23678 (* See Note)
Single Drum, hydraulic-lowering/hydraulic hoisting	NOREQ (PALFINGER)	NW-series	ISO / PAS 23678 (* See Note)
Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	ORIENTAL PRECISION	RDW-series	ISO / PAS 23678 (* See Note)
Single Drum, hydraulic-lowering/hydraulic hoisting	ORIENTAL PRECISION	WL-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	ORIENTAL PRECISION	BWE-series, SWE-series	ISO / PAS 23678 (* See Note)
Single Drum, hydraulic-lowering/hydraulic hoisting	PALFINGER	NW 1800H-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes, multiple	PALFINGER	CW-series, W-series	ISO / PAS 23678 (* See Note)

disks, hydraulically operated / decent brake hydraulic pump			
Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	PELLEGRINI MARINE EQUIPMENT	RLC-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	PELLEGRINI MARINE EQUIPMENT	VAS 45 E-series	ISO / PAS 23678 (* See Note)
Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	BW-SC-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	BW-HL-series, BW-HR-series, BWLL- series	ISO / PAS 23678 (* See Note)
Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	SEC (SHIPS EQUIPMENT CENTRE)	WL-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	SEKIGAHARA	SNW-series, SWE-series	ISO / PAS 23678 (* See Note)
Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	SEKWANG MARINE MACHINERY CO, LTD	RBW-series	ISO / PAS 23678 (* See Note)
Single Drum, hydraulic-lowering/hydraulic hoisting	SERVO SHIP S.L	FFRW 4500KG-series	ISO / PAS 23678 (* See Note)
Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	SHEYANG VICTOR MARINE AUXILIARIES CO., LTD	14 KN-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity-lowering/electrically	SPP SHIPBUILDING CO LTD.	W-5800A-series	ISO / PAS 23678 (* See Note)

hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads			
Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	SURVIVAL SYSTEMS INT.	W-series	ISO / PAS 23678 (* See Note)
Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	TAIZHOU HAIHAO MARINE EQUIPMENT CO.,LTD	21KN-series	ISO / PAS 23678 (* See Note)
Single Drum, hydraulic-lowering/hydraulic hoisting	TECHNIMPIANTI S.P.A	HW-series	ISO / PAS 23678 (* See Note)
Single Drum, hydraulic-lowering/hydraulic hoisting	TMA	TN/MW-series	ISO / PAS 23678 (* See Note)
Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	TSUJI HEAVY INDUSTRIES	TC-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	TSUJI HEAVY INDUSTRIES	EB-series	ISO / PAS 23678 (* See Note)
Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	ULSTEIN FAMA (FAMA GNIEW)	ER10B-series, ERM-series	ISO / PAS 23678 (* See Note)
Single Drum, hydraulic-lowering/hydraulic hoisting	ULSTEIN FAMA (FAMA GNIEW)	WLZ43C-11-series	ISO / PAS 23678 (* See Note)
Single Drum, hydraulic-lowering/hydraulic hoisting	VERHOEF	FL 50-series	ISO / PAS 23678 (* See Note)
Single Drum, hydraulic-lowering/hydraulic hoisting	VESTVINSJ	A-273-7-series, BW-series	ISO / PAS 23678 (* See Note)
Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	VIKING (NORSAFE)	W-series	ISO / PAS 23678 (* See Note)
Single Drum, hydraulic-lowering/hydraulic hoisting	VIKING (NORSAFE)	NW-series	ISO / PAS 23678 (* See Note)
Single Drum, hydraulic-lowering/hydraulic hoisting	VIKING (NORSAFE) (JIANGYIN)	HYD-FF-series	ISO / PAS 23678 (* See Note)

Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	VIKING (NORSAFE) (JIANGYIN)	NW-series	ISO / PAS 23678 (* See Note)
Single Drum, hydraulic-lowering/hydraulic hoisting	VIKING (NORSAFE) (JIANGYIN)	HYD-FF-series	ISO / PAS 23678 (* See Note)
Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	WELIN LAMBIE	5619-series, 9502-series, PIV.1.0A-series, RBW-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	WELIN LAMBIE	53-series, 55-series, 97-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	WUXI DONGWU	DS/Z-series, DZ-series	ISO / PAS 23678 (* See Note)
Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	WUXI HAIDELONG MARINE EQUIPMENT CO., LTD.	SA23-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	WUXI HUAHAI	HMW-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	WUXI HUAHUAI MARINE EQUIPMENT LIMITED CO. LTD	MW-series	ISO / PAS 23678 (* See Note)
Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	YILMAZ DENIZCILIK	YDGS 10-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	YOUNGNAM MACHINERY CO.LTD	YNBW-series	ISO / PAS 23678 (* See Note)

Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	ZHEJIANG HENGXIN SHIP EQUIPMENTS CO.,LTD	D-series	ISO / PAS 23678 (* See Note)
Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	ZHEJIANG HENGXIN SHIP EQUIPMENTS CO.,LTD	DZ-series	ISO / PAS 23678 (* See Note)
Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	ZHEJIANG WANTONG HEAVY INDUSTRY CO., LTD	DZ-series	ISO / PAS 23678 (* See Note)
Single Drum, hydraulic-lowering/hydraulic hoisting	ZHEJIANG WANTONG HEAVY INDUSTRY CO., LTD	IYJ4-50-120-20-ZP-series	ISO / PAS 23678 (* See Note)
Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	ZHENJIANG DH MARINE EQUIPMENT CO., LTD	DW-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	ZHENJIANG DH MARINE EQUIPMENT CO., LTD	DW-series	ISO / PAS 23678 (* See Note)
Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	D-series	ISO / PAS 23678 (* See Note)
Single Drum, hydraulic-lowering/hydraulic hoisting	ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	SAW30-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	D-series, DP-series, DS/DZ-series	ISO / PAS 23678 (* See Note)
Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	ZHENJIANG WEST MARINE EQUIPMENT CO., LTD	WME-SAD 14-series	ISO / PAS 23678 (* See Note)
Single Drum, hydraulic-lowering/hydraulic hoisting	ZHENJIANG WEST MARINE EQUIPMENT CO., LTD	WME-LRH35-series	ISO / PAS 23678 (* See Note)
Single Drum, hydraulic-lowering/hydraulic hoisting	ZOLLERN	A2FM45-61A-series, ZHP-series,	ISO / PAS 23678 (* See Note)

		ZR-series	

For extension of this Recognition to types and/or manufacturers of Equipment other than those already listed in this Certificate, it may be necessary that the Service Supplier applies for and obtains authorization of the said manufacturers.

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

3- List of Subsidiaries / Agents covered by this certificate

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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 Service 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 intermediate 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

Note: The acceptance of this service supplier on board a given ship, for which personal are certified in accordance with ISO 23678:2022, is subjected to the ship's flag state policy. ISO / PAS 23678 (See Note)

6- Endorsement where an intermediate audit has been performed

Signed:

(Surveyor to BUREAU VERITAS MARINE & OFFSHORE)

Place:

Date:



BUREAU VERITAS MARINE & OFFSHORE

GENERAL CONDITIONS (January 2023 version)

1. INDEPENDENCE OF THE SOCIETY AND APPLICABLE TERMS

- 1.1 The Society shall remain at all times an independent contractor and neither the Society nor any of its officers, employees, servants, agents or subcontractors shall be or act as an employee, servant or agent of any other party hereto in the performance of the Services.
- 1.2 The operations of the Society in providing its Services are exclusively conducted by way of random inspections and do not, in any circumstances, involve monitoring or exhaustive verification.
- 1.3 The Society acts as a services provider. This cannot be construed as an obligation bearing on the Society to obtain a result or as a warranty. The Society is not and may not be considered as an underwriter, broker in Unit's sale or chartering, expert in Unit's valuation, consulting engineer, controller, naval architect, designer, manufacturer, shipbuilder, repair or conversion yard, charterer or shipowner; none of the above listed being relieved from any of their expressed or implied obligations as a result of the interventions of the Society.
- 1.4 Only the Society is qualified to apply and interpret its Rules.
- 1.5 The Client acknowledges the latest versions of the Conditions and of the applicable Rules applying to the Services' performance.
- 1.6 Unless an express written agreement is made between the Parties on the applicable Rules, the applicable Rules shall be the Rules applicable at the time of entering into the relevant contract for the performance of the Services.
- 1.7 The Services' performance is solely based on the Conditions. No other terms shall apply whether express or implied.

2. DEFINITIONS

- 2.1 **"Certificate(s)"** means classification, statutory or Marine Equipment certificates, attestations and reports following the Society's intervention.
- 2.2 **"Certification"** means the activity of certification in application of national and international regulations or standards ("Applicable Referential"), in particular by delegation from different governments that can result in the issuance of a Certificate.
- 2.3 **"Classification"** means the classification of a Unit that can result or not in the issuance of a classification Certificate with reference to the Rules. Classification (or Certification as defined in clause 2.2) is an appraisal given by the Society to the Client, at a certain date, following surveys by its surveyors on the level of compliance of the Unit to the Society's Rules and/or to the Applicable Referential for the Services provided. They cannot be construed as an implied or express warranty of safety, fitness for the purpose, seaworthiness of the Unit or of its value for sale, insurance or chartering.
- 2.4 **"Client"** means the Party, its affiliates, agents, subcontractors, consultants, employees, and/or its representative requesting the Services.
- 2.5 **"Conditions"** means the terms and conditions set out in the present document.
- 2.6 **"Industry Practice"** means international maritime and/or offshore industry practices.
- 2.7 **"Intellectual Property"** means all patents, rights to inventions, utility models, copyright and related rights, trade marks, logos, service marks, trade dress, business and domain names, rights in trade dress or get-up, rights in goodwill or to sue for passing off, unfair competition rights, rights in designs, rights in computer software, database rights, topography rights, moral rights, rights in confidential information (including know-how and trade secrets), methods and protocols for Services, and any other intellectual property rights, in each case whether capable of registration, registered or unregistered and including all applications for and renewals, reversions or extensions of such rights, and all similar or equivalent rights or forms of protection in any part of the world.
- 2.8 **"Marine Equipment"** means equipment, material or product placed of to be placed on board a Unit falling within the scope of Certification or Classification and by extension corresponding manufacturer recognition Certification.
- 2.9 **"Parties"** means the Society and Client together.
- 2.10 **"Party"** means the Society or the Client.
- 2.11 **"Register"** means the public electronic register of ships updated regularly by the Society.
- 2.12 **"Rules"** means the Society's classification rules (available online on veristar.com), guidance notes and other documents. The Society's Rules take into account at the date of their preparation the state of currently available and proven technical minimum requirements but are not a standard or a code of construction neither a guide for maintenance, a safety handbook or a guide of professional practices, all of which are assumed to be known in detail and carefully followed at all times by the Client.



- 2.13 “Services”** means the services set out in clauses 2.2 and 2.3 but also other services related to Classification and Certification such as, but not limited to: ship and company safety management certification, ship and port security certification, maritime labour certification, Marine Equipment certification, training activities, all activities and duties incidental thereto such as documentation on any supporting means, software, instrumentation, measurements, tests and trials on board. The Services are carried out by the Society according to the Rules and/or the Applicable Referential and to the Bureau Veritas’ Code of Ethics. The Society shall perform the Services according to the applicable national and international standards and Industry Practice and always on the assumption that the Client is aware of such standards and Industry Practice.
- 2.14 “Society”** means the classification society ‘**Bureau Veritas Marine & Offshore SAS**’, a company organized and existing under the laws of France, registered in Nanterre under number 821 131 844, or any other legal entity of Bureau Veritas Group as may be specified in the relevant contract, and whose main activities are Classification and Certification of ships or offshore units.
- 2.15 “Taxes”** means any and all taxes imposed by any taxing authority including, without limitation, income tax on nationals and on foreigners, all corporate taxes, imports, duties, levies, stamp duties, charges and other assessments and payments in the nature of taxes, wherever payable, including withholding taxes and VAT.
- 2.16 “Unit”** means any ship or vessel or offshore unit or structure of any type or part of it or system whether linked to shore, river bed or sea bed or not, whether operated or located at sea or in inland waters or partly on land, including submarines, hovercrafts, drilling rigs, offshore installations of any type and of any purpose, their related and ancillary equipment, subsea or not, such as well head and pipelines, mooring legs and mooring points or otherwise as decided by the Society.

3. SCOPE AND PERFORMANCE

- 3.1** Subject to the Services requested and always by reference to the Rules, and/or to the Applicable Referential, the Society shall:
- review the construction arrangements of the Unit as shown on the documents provided by the Client;
 - conduct the Unit surveys at the place of the Unit construction;
 - class the Unit and enter the Unit’s class in the Society’s Register;
 - survey the Unit periodically in service to note whether the requirements for the maintenance of class are met. The Client shall inform the Society without delay of any circumstances which may cause any changes on the conducted surveys or Services;
 - perform design assessments, surveys and audits related to Marine Equipment;
 - witness tests at manufacturer’s premises.
- 3.2** The Society will not:
- declare the acceptance or commissioning of a Unit, nor its construction in conformity with its design, such activities remaining under the exclusive responsibility of the Unit’s owner or builder;
 - engage in any work relating to the design, construction, production or repair checks, neither in the operation of the Unit or the Unit’s trade, neither in any advisory services, and cannot be held liable on those accounts;
 - be liable for any delay or costs, charges or losses sustained or incurred by the Client in the event where the Society’s performance of the Services is prevented or delayed directly or indirectly by any act, omission, missing information, default or negligence of the Client.

4. RESERVATION CLAUSE

- 4.1** The Client shall always: (i) maintain the Unit in good condition after surveys; (ii) present the Unit for surveys; and (iii) inform the Society in due time of any circumstances that may affect the given appraisal of the Unit or its Marine Equipment or cause to modify the scope of the Services.
- 4.2** Certificates are only valid if issued by the Society.
- 4.3** The Society has entire control over the Certificates issued and may at any time withdraw a Certificate at its entire discretion including, but not limited to, in the following situations: where the Client fails to comply in due time with instructions of the Society or where the Client fails to pay in accordance with clause 6.2 hereunder.
- 4.4** The Society may at times and at its sole discretion give an opinion on a design or any technical element that would ‘in principle’ be acceptable to the Society. This opinion shall not presume on the final issuance of any Certificate nor on its content in the event of the actual issuance of a Certificate. This opinion shall only be an appraisal made by the Society which shall not be held liable for it.
- 4.5** The Client shall provide sufficient, timely, accurate, complete and up-to-date information and documents to the Society to enable the Society to perform the Services.

5. ACCESS AND SAFETY

- 5.1** The Client shall give to the Society all access and information necessary for the efficient performance of the requested Services. The Client shall be the sole responsible for the conditions of presentation of the Unit for tests, trials and surveys and the conditions under which tests and trials are carried out. Any information, drawing, etc. required for the performance of the Services must be made available in due time.
- 5.2** The Client shall notify the Society of any relevant safety issue and shall take all necessary safety-related measures to ensure a safe work environment (including safe transportation to site and accompaniment on site) for the Society or any of its officers, employees, servants, agents or subcontractors and shall comply with all applicable safety regulations.



6. PAYMENT OF INVOICES

- 6.1 The provision of the Services by the Society, whether complete or not, involves, for the part carried out, the payment of fees thirty (30) days upon issuance of the invoice.
- 6.2 The fees are exclusive of all applicable Taxes. In the event that Taxes are applicable in respect of the Services, Taxes shall be payable by the Client in addition to the fees. For the avoidance of doubt, in the event tax is required by law to be withheld from the fees, the Society may gross up the invoice sufficiently such that after the deduction of withholding tax the original fees is received by the Society. In the event that any withholding taxes are paid by the Client, the Client shall provide to the Society a valid withholding tax receipt in the Society's name within thirty (30) days following the payment. The Society shall provide to the Client within thirty (30) days following request from the Client reasonable documentation, such as certificates of residence, required to enable the Client to apply any reduced rates of withholding tax given by a double tax treaty, if applicable.
- 6.3 Without prejudice to any other rights hereunder, in case of Client's payment default, the Society shall be entitled to charge, in addition to the amount not properly paid, (i) interest equal to the ECB reference rate plus three per-cent (3%) per month late as of due date or at the maximum rate allowed by law if said maximum is less, and (ii) the recovery costs. The Society shall also have the right to withhold Certificates and other documents and/or to suspend or revoke the validity of Certificates.
- 6.4 In case of dispute on the invoice amount, the undisputed portion of the invoice shall be paid and an explanation on the dispute shall accompany payment so that action can be taken to resolve the dispute.
- 6.5 Unless otherwise agreed in writing by the Society, both the party on whose behalf the Services are requested and its representative requesting the Services, as Client, are jointly and severally liable to pay to the Society any sum due in respect of the Services. In addition, where any Unit is surveyed in the names or on behalf of more persons than one, such persons shall be jointly and severally liable to pay all fees, expenses and other sums due to the Society in respect of such Unit. The receipt by any such person of any payment by the Society shall discharge the others up to the amount received by the Society.
- 6.6 The Society shall be entitled to require a payment on account payable upon receipt of the corresponding invoice. In this case, The Society's duty to provide the Services will not arise before payment is received in the Society's account.
- 6.7 The Society shall have a lien on a Unit for all sums due in respect of that Unit, notwithstanding that the class of the Unit may have ceased or been terminated or cancelled. Such lien shall extend to any and all other Units (or formerly classed Units) which are part of the same fleet as that Unit and shall be in addition to, and in no way construed as a waiver or amendment of, any other contractual or maritime lien which the Society may expressly or impliedly possess in respect of such Unit or Units.

7. LIABILITY

- 7.1 The Society bears no liability for consequential loss. For the purpose of this clause consequential loss shall include, without limitation:
 - Indirect or consequential loss;
 - Any loss and/or deferral of production, loss of product, loss of use, loss of bargain, loss of revenue, loss of profit or anticipated profit, loss of business and business interruption, in each case whether direct or indirect.The Client shall defend, release, save, indemnify, defend and hold harmless the Society from the Client's own consequential loss regardless of cause.
- 7.2 Except in case of wilful misconduct of the Society, death or bodily injury caused by the Society's negligence and any other liability that could not be, by law, limited, the Society's maximum liability towards the Client is limited to one hundred and fifty per-cent (150%) of the price paid by the Client to the Society for the Services having caused the damage. This limit applies to any liability of whatsoever nature and howsoever arising, including fault by the Society, breach of contract, breach of warranty, tort, strict liability, breach of statute.
- 7.3 All claims shall be presented to the Society in writing within three (3) months of the completion of Services' performance or (if later) the date when the events which are relied on were first discovered by the Client. Any claim not so presented as defined above shall be deemed waived and absolutely time barred.

8. INDEMNITY CLAUSE

- 8.1 The Client shall defend, release, save, indemnify and hold harmless the Society from and against any and all claims, demands, lawsuits or actions for damages, including legal fees, for harm or loss to persons and/or property tangible, intangible or otherwise which may be brought against the Society, incidental to, arising out of or in connection with the performance of the Services (including for damages arising out of or in connection with opinions delivered according to clause 4.4 above) except for those claims caused solely and completely by the gross negligence of the Society, its officers, employees, servants, agents or subcontractors.

9. TERMINATION

- 9.1 The Parties shall have the right to terminate the Services (and the relevant contract) for convenience after giving the other Party thirty (30) days' written notice, and without prejudice to clause 6 above.
- 9.2 The Services shall be automatically and immediately terminated in the event the Client can no longer establish any form of interest in the Unit (e.g. sale, scrapping...).
- 9.3 The Classification granted to the concerned Unit and the previously issued Certificates shall remain valid until the date of effect of the termination notice issued, or immediately in the event of termination under clause 9.2, subject to compliance with clause 4.1 and 6 above.
- 9.4 In the event where, in the reasonable opinion of the Society, the Client is in breach, or is suspected to be in breach of clause 16 of the Conditions, the Society shall have the right to terminate the Services (and the relevant contracts associated) with immediate effect.



10. FORCE MAJEURE

10.1 Neither Party shall be responsible or liable for any failure to fulfil any term or provision of the Conditions if and to the extent that fulfilment has been delayed or temporarily prevented by a force majeure occurrence without the fault or negligence of the Party affected and which, by the exercise of reasonable diligence, the said Party is unable to provide against.

10.2 For the purpose of this clause, force majeure shall mean any circumstance not being within a Party's reasonable control including, but not limited to: acts of God, natural disasters, epidemics or pandemics, wars, terrorist attacks, riots, sabotages, impositions of sanctions, embargoes, nuclear, chemical or biological contaminations, laws or action taken by a government or public authority, quotas or prohibition, expropriations, destructions of the worksite, explosions, fires, accidents, any labour or trade disputes, strikes or lockouts.

11. CONFIDENTIALITY

11.1 The documents and data provided to or prepared by the Society in performing the Services, and the information made available to the Society, will be treated as confidential except where the information:

- is properly and lawfully in the possession of the Society;
- is already in possession of the public or has entered the public domain, other than through a breach of this obligation;
- is acquired or received independently from a third party that has the right to disseminate such information;
- is required to be disclosed under applicable law or by a governmental order, decree, regulation or rule or by a stock exchange authority (provided that the receiving Party shall make all reasonable efforts to give prompt written notice to the disclosing Party prior to such disclosure).

11.2 The Parties shall use the confidential information exclusively within the framework of their activity underlying these Conditions.

11.3 Confidential information shall only be provided to third parties with the prior written consent of the other Party. However, such prior consent shall not be required when the Society provides the confidential information to a subsidiary.

11.4 Without prejudice to sub-clause 11.1, the Society shall have the right to disclose the confidential information if required to do so under regulations of the International Association of Classifications Societies (IACS) or any statutory obligations.

11.5 The Client shall not without written approval from the Society make public announcement or press release, press conference, presentation or any public disclosure mentioning the Society, its trademark, trade name or logo, its employees. The Client acknowledges and agrees that damages alone might not be an adequate remedy for any breach of this clause and the Society shall be entitled to seek the remedies of injunction, specific performance and other equitable relief for any threatened or actual breach and no proof of special damage shall be necessary for the enforcement of the present clause and the undertakings under it.

12. INTELLECTUAL PROPERTY

12.1 Each Party exclusively owns all rights to its Intellectual Property created before or after the commencement date of the Conditions and whether or not associated with any contract between the Parties.

12.2 The Intellectual Property developed by the Society for the performance of the Services including, but not limited to drawings, calculations, and reports shall remain the exclusive property of the Society.

13. ASSIGNMENT

13.1 The contract resulting from these Conditions cannot be assigned or transferred by any means by a Party to any third party without the prior written consent of the other Party.

13.2 The Society shall however have the right to assign or transfer by any means the said contract to a subsidiary of the Bureau Veritas Group.

14. SEVERABILITY

14.1 Invalidity of one or more provisions does not affect the remaining provisions.

14.2 Definitions herein take precedence over other definitions which may appear in other documents issued by the Society.

14.3 In case of doubt as to the interpretation of the Conditions, the English text shall prevail.

15. GOVERNING LAW AND DISPUTE RESOLUTION

15.1 These Conditions shall be construed in accordance with and governed by the laws of England and Wales.

15.2 Any dispute shall be finally settled under the Rules of Arbitration of the Maritime Arbitration Chamber of Paris ("CAMP"), which rules are deemed to be incorporated by reference into this clause. The number of arbitrators shall be three (3). The place of arbitration shall be Paris (France). The Parties agree to keep the arbitration proceedings confidential.

15.3 Notwithstanding clause 15.2, disputes relating to the payment of the Society's invoices may be submitted by the Society to the *Tribunal de Commerce de Nanterre*, France, or to any other competent local Court, at the Society's entire discretion.

16. ETHICS

16.1 Each Party shall conduct all activities in compliance with all laws, statutes, rules, export control, economic and trade sanctions (including but not limited to US, UK and EU sanctions) and regulations applicable to such Party including but not limited to: child labour, forced labour, collective bargaining, discrimination, abuse, working hours and minimum wages, anti-bribery, anti-corruption, antitrust, copyright and trademark protection, personal data protection (<https://personaldataprotection.bureauveritas.com/privacypolicy>). Each of the Parties warrants that neither it, nor its affiliates, has made or will make, with respect to the matters provided for hereunder, any offer, payment, gift or authorization of the payment of any money directly or indirectly, to or for the use or benefit of any official or employee of the government, political party, official, or candidate.

16.2 In addition, the Client shall act consistently with the Bureau Veritas' Code of Ethics and, when applicable, Business Partner Code of Conduct both available at <https://group.bureauveritas.com/group/corporate-social-responsibility/operational-excellence>.