



## 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/20260206124330

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

Company: **CANTAS DENIZCILIK YANGIN GUVENLIK SISTEMLERI SANAYI VE TICARET LIMITED SIRKETI**

Company address\*:  
EVLIYA CELEBI MAH.  
GENC OSMAN CAD., EBE SOK.  
NO:7, TUZLA ISTANBUL  
Türkiye

### Scope of the approval:

Maintenance, thorough examination, operational testing, overhaul and repair of lifeboats and rescue boats, launching appliances and release gear.

### This is to certify that:

At the request of the above mentioned Company, an assessment of the facilities, organisational structure and procedures of the said Company has been performed by the Society, in compliance with the relevant requirements of the Society rule Note NR533 and of IMO Resolution MSC.402(96), as amended.

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

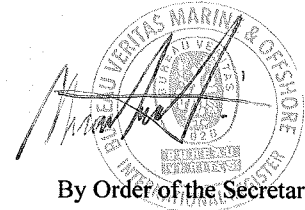
The Certificate is valid until\*\*: 12 February 2029

Completion date of the assessment on which this certificate based: 13 February 2026

At: ISTANBUL on 13 February 2026

**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 and systems: Makes and Types/Models**

Equipment	Make	Type/Model	Manufacturer's Licence/Recognition N° (if applicable)
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 Gravity single and twin fall outrigger Single arm Slewing Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic Twin / Single Fall Gravity Pivoting / Luffing Twin / Single Fall Gravity Rollertrack Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	ACEBI	TPF-series A-series, AF-series, PF-series PFR-series, RRP-series, TPU-series TPF-series, TPU-series SPG-series GRA-series TPC-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	ACORN	R18700-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame Single arm Slewing	ACTA	HSC-series 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 Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic Twin / Single Fall Gravity Pivoting / Luffing	ARIM	ARPV-series 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 Gravity freefall primary Gravity single and twin fall outrigger Single arm Slewing Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic Twin / Single Fall Gravity Pivoting / Luffing Twin / Single Fall Gravity Rollertrack Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	BDF-series, HDFL-series BDF-series BFOD-series BDR-series, BLR-series BDA-series, BDFA-series, BFRD-series BDTD-series, TT-series BDH-series, BDMS-series, HINGED GRAVITY-series BDTW-series BDTD-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame Single arm Slewing	BADA HEAVY INDUSTRIES CO., LTD.	HDF-series, HDL-series BHI-RLD-series BDHP-series	ISO / PAS 23678 (* See Note)

Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering			
BIANCHI & CHECCHI	Gravity single and twin fall outrigger	PE-series, PET-series	ISO / PAS 23678 (* See Note)
BOPP TREUILS JEB	Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	BHD-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	COASTAL MARINE EQUIPMENT, INC.	D-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 Gravity freefall primary Gravity single and twin fall outrigger Single arm Slewing Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic Twin / Single Fall Gravity Pivoting / Luffing Twin / Single Fall Gravity Rollertrack Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering"	DAVIT INTERNATIONAL	"D-FH-series D-TF-series D-FO-series, D-FOS-series D-AC.5-series, D-BR-series, D-CR.R-series, D-CRE-series, D-CRH.R-series, D-CRM-series, D-FOS-series, D-RC-series, D-RC.T-series, D-SR04-series, D.BC.R-series D-NPS.FR-series, D-NPS.MP-series, D-NPS.SP-series, D-TT.SP.-series D-FP.R-series, D-TTS.R-series, DTT-series D-NP-series, D-NP.MP-series D-RT-series D-NP-series, D-SP-series	ISO / PAS 23678 (* See Note)
"Free fall secondary hydraulic A Frame Single arm Slewing Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic"	DENIZSAN	"DRM-FFD-series, DSFDD-series DRBD-series, DRBLRD-series, DSRBD-series 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 Twin / Single Fall Gravity Pivoting / Luffing	DONGNAM MARINE CRANE CO.,LTD.	"DCPV-series, DNRD-series, DRBLRD-series, DRLD-series, DSAC-series, DSAD-series DHGD-series	ISO / PAS 23678 (* See Note)
Single arm Slewing Twin / Single Fall Gravity Pivoting / Luffing	DONGWOO MACHINERY & ENGINEERING CO., LTD.	DBD-series DWS-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame Single arm Slewing Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic Twin / Single Fall Gravity Pivoting / Luffing Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	DSB ENGINEERING CO LTD	DRM-FFD-series, DSBDF-series DSBDR-series DSBARH-series, DSBDP-series, DSBDR-series DSBDL-series, DSBDTL-series 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 Gravity freefall primary Single arm Slewing	FASSMER	FFH-series FLR-series FSARR-series FPD-series	ISO / PAS 23678 (* See Note)

Twin / Single Fall Gravity Pivoting / Luffing Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering		FMPD-series	
Free fall secondary hydraulic A Frame Twin / Single Fall Gravity Pivoting / Luffing	FASSMER MARLAND	FFH-series FPD-D-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	FERRI	1872 TN-series	ISO / PAS 23678 (* See Note)
Single arm Slewing Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	GILBERT & SCHMALRIEDE. GMBH & CO. KG	PJ1385-series PJ-1386-series	ISO / PAS 23678 (* See Note)
Gravity single and twin fall outrigger Single arm Slewing Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic Twin / Single Fall Gravity Pivoting / Luffing Twin / Single Fall Gravity Rollertrack Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	GLOBAL DAVIT	FHS-series, FHS.L-series, FHS.R-series, FHS.R.L- series, FHS.R.L.S-series, FHS.R.S-series, FHS.S- series, LMES.S-series, LML- series, LMS-series, LMS.S- series, 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.L-series, RMS.L.S- series, RMS.S-series RHP-series, RHP.HC-series GLP.FP-series, GLP.MP- series, GSP.FP-series, GSP.MP-series GLP.RT-series, GSP.RT- series 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 Gravity single and twin fall outrigger Single arm Slewing Twin / Single Fall Gravity Pivoting / Luffing Twin / Single Fall Gravity Rollertrack Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	GREBEN	HFF-series FOD-series PROMAC 12/4.2 EL-series, RLC-series, SAR-series SPG-series GR-RTD-series GD-PD-series, HD-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame Single arm Slewing	GURDESAN	GD-FFD-series 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 Gravity freefall primary Gravity single and twin fall outrigger Single arm Slewing	HARDING (UMO SCHAT HARDING)	FF-series LA-series HD-FL-series, ORD-series LAR-series, SAR-series, SRR-series SA-series HD-SPG-series, HD-VIP- series, SPG(VL)-series	ISO / PAS 23678 (* See Note)

Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic Twin / Single Fall Gravity Pivoting / Luffing Twin / Single Fall Gravity Rollertrack Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering		HD-RT-series SPD-series	
Twin / Single Fall Gravity Rollertrack	HARDING (UMO SCHAT HARDING) (DAVIT COMPANY) (SCHAT DAVIT COMPANY) (SCHAT WATERCRAFT) (PALFINGER)	GRA-series	ISO / PAS 23678 (* See Note)
Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	HARDING (UMO SCHAT HARDING) (NOREQ) (PALFINGER)	NPDS-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	HARDING (UMO SCHAT HARDING) (PALFINGER)	RSD 2,1-series	ISO / PAS 23678 (* See Note)
"Gravity freefall primary Single arm Slewing Twin / Single Fall Gravity Pivoting / Luffing Twin / Single Fall Gravity Rollertrack	HARDING (UMO SCHAT HARDING) (SCHAT DAVIT COMPANY) (PALFINGER)	FFB-series MOB-series NDP-series, SPG(L)-series, SPR-series FFB-series, NT-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic Twin / Single Fall Gravity Rollertrack	HARDING (UMO SCHAT HARDING) (PALFINGER)	LA-series NTD-series ND-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Rollertrack	HARDING (WATERCRAFT)	WRG-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Pivoting / Luffing	HARDING (WATERCRAFT) (PALFINGER)	HD/25-2100-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame Gravity freefall primary Gravity single and twin fall outrigger Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	HATECKE (ERNST HATECKE)	FFA-series FFB-series GSP.O-series DFR-series 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 (JAPAN MARINE UNITED CORP)	MUL-series	ISO / PAS 23678 (* See Note)

Twin / Single Fall Gravity Pivoting / Luffing	IKNOW MACHINERY (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 Single arm Slewing	JAPAN MARINE UNITED CORP.	MUFJ-series MUR21J-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame Gravity single and twin fall outrigger Single arm Slewing Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic Twin / Single Fall Gravity Pivoting / Luffing Twin / Single Fall Gravity Rollertrack Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	JYF-series JYP-series JYCL0215-series, JYR- series, JYRCA-series JYA-series JYL-series JYGR-series 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 Free fall secondary hydraulic A Frame Gravity single and twin fall outrigger Single arm Slewing Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic Twin / Single Fall Gravity Pivoting / Luffing Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	JIANGYIN NEPTUNE MARINE APPLIANCE CO. LTD.	NPT 60 DL-series NPT-DF-series NPT-DP-series, NPT-PL- series NPT-DR-series NPT- BE-series, NPT-ARH- series, NPT-DR-series NPT-DL-series, NPT-DP- series NPT-DYL-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame Gravity single and twin fall outrigger Single arm Slewing Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic Twin / Single Fall Gravity Pivoting / Luffing Twin / Single Fall Gravity Rollertrack Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	JY-FH-series JYPL-series JYHSR-series, JYSA-series JY-LFR-series, JY-LRHE- series, JY-PLR-series JYLE-series JY-GYE-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame Gravity single and twin fall outrigger Single arm Slewing Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic Twin / Single Fall Gravity Pivoting / Luffing Twin / Single Fall Gravity Rollertrack	JIANGYINSHI BEIHAI	FA-series PD-series SA-series, SAC-series, SMR-series EHRD-series, FRH-series, SRH-series BH-G-series, LA-series, LB- H-series HB-H-series, RB-H-series BHGH-series	ISO / PAS 23678 (* See Note)

Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering			
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	KYORITSU KIKAI	LAF-MUF68-series	ISO / PAS 23678 (* See Note)
Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	MACGREGOR (TTS) (HYDRAMARINE)	G-TYPE-series, HMD A32 MK3-series A-TYPE-series, HLD-series, HMC-series, HMD-series T-TYPE-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame Single arm Slewing Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic Twin / Single Fall Gravity Pivoting / Luffing Twin / Single Fall Gravity Rollertrack	MANSEI	D-FH-series, FE-series, MFH-series R-series, RD-series, SAR-series, SR-series HER-series ABD-series, AH-series, AV-series, CM-series, EH-series, EM-series, M-series 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)
Free fall secondary hydraulic A Frame Single arm Slewing	NANJING DONGSHENG MARINE EQUIPMENT CO LTD.	YF50-series AR14-series 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 Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	NAVIM GROUP	FDRB-series SPDT-L-series, SPDT-R-series, SPDT-T-series 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 Gravity single and twin fall outrigger Single arm Slewing Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic Twin / Single Fall Gravity Pivoting / Luffing	NED-DECK MARINE (PALFINGER)	FFH-series FPG-series SCH-series, SCM-series, SCT-series, SEC-series PFH-series, PRH-series, PRHE-series PL-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame Single arm Slewing Twin / Single Fall Gravity Pivoting / Luffing	NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	YZF-series YZ-series, ZFDZ-series L-series	ISO / PAS 23678 (* See Note)

Free fall secondary hydraulic A Frame Single arm Slewing	NINGBO KAIRONG SHIP MACHINERY CO LTD	FH-series KR-1 -series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame Gravity single and twin fall outrigger Single arm Slewing Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	NINGBO NEW MARINE LIFESAVING EQUIPMENT CO. LTD	NMF55KN-series NMPL-series NMSD23KN-series 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 Twin / Single Fall Gravity Pivoting / Luffing	NOR DAVIT	PL-series SDP-series	ISO / PAS 23678 (* See Note)
Gravity single and twin fall outrigger Single arm Slewing Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	NOREQ (PALFINGER)	NRD-series SCH-series, SCH-R-series, SCHD-series, SCM-L-series, SCM -R-series 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 Single arm Slewing Twin / Single Fall Gravity Pivoting / Luffing Twin / Single Fall Gravity Rollertrack	ORIENTAL PRECISION	FD-series RD-series, SHS-series DHA-series, DMA-series, HGD-series, HGK-series 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 Gravity freefall primary Gravity single and twin fall outrigger Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic Twin / Single Fall Gravity Pivoting / Luffing Twin / Single Fall Gravity Rollertrack Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	PALFINGER	NPT-DF-series FF-series FPG-series PFHS-series, SCH-R-series, SCM-L-series, SCM -R-series NPT-series 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 Twin / Single Fall Gravity Pivoting / Luffing	PELLEGRINI MARINE EQUIPMENT	CHCD 2,507+ RLC 2.1 /4.5-series, RLC-series GRA-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame Gravity single and twin fall outrigger Single arm Slewing Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	BD-FF-series BD-PL-series BD- SA-series, BD-SH-series BD-AR-series BD-PV-series	ISO / PAS 23678 (* See Note)

Twin / Single Fall Gravity Pivoting / Luffing			
Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	REDROCK	RDA-series RDT-series	ISO / PAS 23678 (* See Note)
Gravity single and twin fall outrigger Single arm Slewing	SCAHT DAVIT COMPANY (PALFINGER)	FFFDA-series 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 Single arm Slewing Twin / Single Fall Gravity Rollertrack	SEC (SHIPS EQUIPMENT CENTRE)	HP2-series HS-series, MS-series, SP3-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame Single arm Slewing Twin / Single Fall Gravity Pivoting / Luffing Twin / Single Fall Gravity Rollertrack	SEKIGAHARA	SF-series SJS-series SFA-series, SFB-series, SFP-series, SHS-series 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 Single arm Slewing	SERVO SHIP S.L	FFR-20-series 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 Single arm Slewing	SHANGHAI HENGYUAN MARINE EQUIPMENT CORPORATION	FH-series 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&LRD-FT-series, SMRBD-SD-series, SMRBD&LRD-series, SMRBD&PV-series	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 Gravity freefall primary	STOCZNIA USTKA SP. Z O.O.	HUZ-series, HZ-series 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 Single arm Slewing	TAIZHOU HAIHAO MARINE EQUIPMENT CO.,LTD	55KN-series 21KN BOAT/RAFT DAVIT-series	ISO / PAS 23678 (* See Note)
Single arm Slewing	TECH FLOWER CO., LTD.	H1PC-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 H-series	ISO / PAS 23678 (* See Note)

Twin / Single Fall Gravity Pivoting / Luffing Twin / Single Fall Gravity Rollertrack		T83-series, TC-series	
Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	TTS (HYDRALIFT)	HL-series 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 Single arm Slewing Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic Twin / Single Fall Gravity Pivoting / Luffing Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	VANGUARDE	PL-series HSD-series, MSD-series, VSD-series DH-series, PR-series, PRH- series LE-series, VL-series 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 Single arm Slewing Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic Single or Twin Fall Lifeboat Rescue Boat / Fast Rescue Boat Telescopic Hydraulic	VESTDAVIT	PLA-series L-series P-series, PAP-series, PAPH- series, PL-series, PLAR- series, PLD-series, PLI- series, PLP-series, PLR- series TDB-series	ISO / PAS 23678 (* See Note)
Gravity freefall primary Gravity single and twin fall outrigger Single arm Slewing Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic Twin / Single Fall Gravity Pivoting / Luffing Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	VIKING (NORSAFE)	SW-series A-series, C-series, D-series, NDC-series CH-52-series, NRC-series, NRC-R-series NDA-series, NRB-series E-series LH-series	ISO / PAS 23678 (* See Note)
Single arm Slewing Free fall secondary hydraulic A Frame	VIKING (NORSAFE) (JIANGYIN)	NDSC-series, NDSC-R- series HD-series	ISO / PAS 23678 (* See Note)
Single arm Slewing Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	WELIN LAMBIE	LRW-series, SARBE-series PIV.1.0A-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame Single arm Slewing Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic Twin / Single Fall Gravity Pivoting / Luffing Twin / Single Fall Gravity Rollertrack	WUXI DONGWU	F55-F70-series, NPT100F- series 21 - 35KN-series, DCW210- series A30/H35-series 18KN-110KN-series 25KN -30KN-series	ISO / PAS 23678 (* See Note)

Free fall secondary hydraulic A Frame Single arm Slewing	WUXI HAIDELONG MARINE EQUIPMENT CO., LTD.	HDL-FA-series 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 Single arm Slewing Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic Twin / Single Fall Gravity Pivoting / Luffing	WUXI HUAHAI	PD-series HMD 21_32_M-series HMDA-series 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 Single arm Slewing Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic Twin / Single Fall Gravity Pivoting / Luffing Twin / Single Fall Gravity Rollertrack	WUXI SHENGOU	S MDF-series SMC-series, SMD-series HMDA-series SHMDL-series 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	YNHD-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 Twin / Single Fall Gravity Pivoting / Luffing	ZHEJIANG HENGXIN SHIP EQUIPMENTS CO.,LTD	SA23-1 -series LB-series	ISO / PAS 23678 (* See Note)
Twin / Single Fall Gravity Pivoting / Luffing	ZHEJIANG NORSIER LIFESAVING EQUIPMENT TECHNOLOGY CO.,LTD (ZHEJIANG HENGXIN SHIP EQUIPMENTS CO.,LTD)	NLB-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 Single arm Slewing	ZHEJIANG WANTONG HEAVY INDUSTRY CO., LTD	FH-series SA23-1 -series	ISO / PAS 23678 (* See Note)
Single arm Slewing Twin Fall Hydraulic / Pivoting / Luffing Gravity Lowering	ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	SAF-series 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 Twin / Single Fall Gravity Pivoting / Luffing	ZHENJIANG JUST MARINE EQUIPMENT CO., LTD	FH-series L-series	ISO / PAS 23678 (* See Note)
Free fall secondary hydraulic A Frame Gravity single and twin fall outrigger	ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	FH-series PL-series HDCL-series, SAFC-series, SAW30-series, ZF-series	ISO / PAS 23678 (* See Note)

Single arm Slewing Twin / Single Fall Gravity Pivoting / Luffing		LE-series	
Single arm Slewing Single Fall Rescue / Fast Rescue Boat A Frame Hydraulic	ZHENJIANG WEST MARINE EQUIPMENT CO., LTD	WME-SAD-series WME-LRH35-series	ISO / PAS 23678 (* See Note)
Outboard	MERCURY	10604522ED-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Central Release Unit Devices for activating release: Free Fall Hydraulic Primary and Secondary Freefall Hydraulic / mechanical Rescue boat / Davit Launched Liferaft / Lift over centre automatic Rescue boat offload w. Onload capability	BADA HEAVY IND. CO., LTD (EX. DAERYUCK MACHINERY)	BD-LH-series BHA-series BHR25S-series	ISO / PAS 23678 (* See Note)
Lifeboat on load lift not over centre, Curve to flat rotating cams Rescue boat / Davit Launched Liferaft / Lift over centre automatic	BALDEN	BD-LBH-series BDHR-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Central Release Unit Devices For Activating Release: Hydrostatic Unit with Diaphragm Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams Rescue boat / Davit Launched Liferaft / Lift over centre automatic Rescue boat offload lift over center	BC SERVICE	U HOOK-series U-ARH 3.5T-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 Devices For Activating Release: Hydrostatic Unit with Diaphragm 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 Freefall Hydraulic / mechanical	DAE JIN CO. LTD	THP-IB-series	ISO / PAS 23678 (* See Note)
Rescue boat offload lift over center	DAVIT INTERNATIONAL	OLH-series RH-series	ISO / PAS 23678 (* See Note)

Rescue boat offload w. Onload capability			
Devices For Activating Release: Central Release Unit Devices for activating release: Free Fall Hydraulic Primary and Secondary Devices For Activating Release: Hydrostatic Unit with Float Freefall Hydraulic / mechanical Lifeboat on load lift not over centre, Curve to flat rotating cams Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	FASSMER	FFH-series DUPLEX>6T-series F-series	ISO / PAS 23678 (* See Note)
Fast rescue boat offload / Manual or automatic	FAST RSQ (PALFINGER)	CAR F 35-series	ISO / PAS 23678 (* See Note)
Rescue boat / Davit Launched Lifteraft / Lift over centre automatic	FERRI	1488-series	ISO / PAS 23678 (* See Note)
Devices for activating release: Free Fall Hydraulic Primary and Secondary Freefall Hydraulic / mechanical Rescue boat / Davit Launched Lifteraft / Lift over centre automatic	GEPA	G-FFRM-01-series G-K-series	ISO / PAS 23678 (* See Note)
Lifeboat on load lift not over centre Rescue boat / Davit Launched Lifteraft / Lift over centre automatic Rescue boat offload lift over center Rescue boat offload w. Onload capability	GLOBAL DAVIT	HRL-series HRL.26-series HRN-series HR-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Electronic Sensor 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 Freefall Hydraulic / mechanical Rescue boat offload w. Onload capability	HARDING (UMO SCHAT HARDING)	FFH-series RRH-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Central Release Unit Devices For Activating Release: Hydrostatic Unit with Diaphragm Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	HARDING (UMO SCHAT HARDING) (PALFINGER)	KH6.5M2-series ARH-series JX-3-series LHR-series, LHR M2-series	ISO / PAS 23678 (* See Note)

<p>Rescue boat / Davit Launched Liferaft / Lift over centre automatic</p> <p>Fast Rescue Boat Offload with On-Load Capability</p> <p>Devices For Activating Release: Central Release Unit</p> <p>Devices For Activating Release: Hydrostatic Unit with Diaphragm</p> <p>Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams</p>			
<p>Rescue boat / Davit Launched Liferaft / Lift over centre automatic</p>	HATECKE	SIMPLEX 2.0I OFF LOAD-series	ISO / PAS 23678 (* See Note)
<p>"Devices For Activating Release: Central Release Unit</p> <p>Devices for activating release: Free Fall Hydraulic Primary and Secondary</p> <p>Devices For Activating Release: Hydrostatic Unit with Float</p> <p>Fast Rescue Boat Offload with On-Load Capability</p> <p>Freefall Hydraulic / mechanical</p> <p>Lifeboat on load lift not over centre, Curve to flat rotating cams</p> <p>Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams</p> <p>Rescue boat / Davit Launched Liferaft / Lift over centre automatic</p> <p>Rescue boat offload w. Onload capability"</p>	HATECKE (ERNST HATECKE)	<p>"DUPLEX &lt; 6T-series, DUPLEX &gt; 6T-series GFF-series</p> <p>SIMPLEX 1,85-series</p> <p>DUPLEX&gt;6T-series</p> <p>DUPLEX&lt;6.6 T-series</p> <p>RAFTI 2.5-series</p> <p>SIMPLEX 1.1-series</p>	ISO / PAS 23678 (* See Note)
<p>"Fast rescue boat offload / Manual or automatic</p> <p>Rescue boat offload lift over center"</p>	HENRIKSEN	"HMK-series HCH-series"	ISO / PAS 23678 (* See Note)
<p>Devices For Activating Release: Central Release Unit</p> <p>Devices For Activating Release: Hydrostatic Unit with Diaphragm</p> <p>Freefall Hydraulic / mechanical</p> <p>Lifeboat on load lift not over centre, flat to flat rotating cams</p> <p>Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams</p>	HLB ( HYUNDAI LIFEBOATS)	TALON II-series, TALON MK 1-series TALON 4.6T-series	ISO / PAS 23678 (* See Note)
<p>"Devices For Activating Release: Central Release Unit</p>	HOEI SENPAKU CO.,LTD	HS-series, HS520 96-series, HS550 96-series HS520 83-series, HS650 83-series	ISO / PAS 23678 (* See Note)

<p>Devices For Activating Release: Hydrostatic Unit with Diaphragm</p> <p>Lifeboat on load lift not over centre, Curve to flat rotating cams</p> <p>Lifeboat on load lift not over centre, flat to flat rotating cams</p> <p>Lifeboat on load lift not over centre, up and down pins / collars</p>			
<p>Devices for activating release: Free Fall Hydraulic Primary and Secondary</p>	HYUNDAI LIFEBOAT CO., LTD	TALON 4.6T-series	ISO / PAS 23678 (* See Note)
<p>Devices For Activating Release: Central Release Unit</p> <p>Devices For Activating Release: Hydrostatic Unit with Diaphragm</p> <p>Lifeboat on load lift not over centre, up and down pins / collars</p>	IHI MARINE UNITED INC (JAPAN MARINE UNITED CORP)	JX-1-series	ISO / PAS 23678 (* See Note)
<p>Fast Rescue Boat Offload with On-Load Capability Freefall Hydraulic / mechanical</p>	JAPAN MARINE UNITED CORP.	JX-2-series JX-3-series	ISO / PAS 23678 (* See Note)
<p>Fast rescue boat offload / Manual or automatic</p>	JIANGSU JIAOYAN MARINE EQUIPMENT CO. LTD	JXN-7-series	ISO / PAS 23678 (* See Note)
<p>Devices For Activating Release: Central Release Unit</p> <p>Devices for activating release: Free Fall Hydraulic Primary and Secondary</p> <p>Devices For Activating Release: Hydrostatic Unit with Diaphragm</p> <p>Fast Rescue Boat Offload with On-Load Capability Freefall Hydraulic / mechanical</p> <p>Lifeboat on load lift not over centre, up and down pins / collars</p>	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-1C-series JX-2-series JX-1-series, JX-1B-series, JXN-1B-series, JXN-1C-series JXN-3-series, JXN-series	ISO / PAS 23678 (* See Note)
<p>Lifeboat on load lift not over centre, up and down pins / collars</p>	JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD.	JX-1-series	ISO / PAS 23678 (* See Note)
<p>Devices For Activating Release: Central Release Unit</p> <p>Devices For Activating Release: Hydrostatic Unit with Float</p> <p>Fast Rescue boat offload Freefall Hydraulic / mechanical</p> <p>Lifeboat on load lift not over centre, Curve to flat rotating cams</p> <p>Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams</p>	JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	NPT-50-series, NPT-HAN-series NPT-30 HK-series NPT70HKF-series NPT-HK-series NPT-HKC-series NPT-HK25F-series NPT-HK25R-series	ISO / PAS 23678 (* See Note)

Rescue boat / Davit Launched Liferaft / Lift over centre automatic Rescue boat offload w. Onload capability			
Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams	JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD. (PALFINGER)	PN-HKC-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Central Release Unit Devices For Activating Release: Hydrostatic Unit with Diaphragm Fast Rescue Boat Offload with On-Load Capability Freefall Hydraulic / mechanical Lifeboat on load lift not over centre, Curve to flat rotating cams Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams Lifeboat on load lift not over centre, up and down pins / collars	JIANGYIN WOLONG F.R.P. BOAT CO. LTD.	HK-series, JX-1-series, LB80MR-series FHK-series JX-1-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Central Release Unit Devices For Activating Release: Hydrostatic Unit with Diaphragm Fast Rescue Boat Offload with On-Load Capability Freefall Hydraulic / mechanical Lifeboat on load lift not over centre, up and down pins / collars	JIANGYINSHI BEIHAI	JYB-HK-series JYB-HKF-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 Devices For Activating Release: Hydrostatic Unit with Float 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 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 Devices for activating release: Free Fall Hydraulic Primary and Secondary Devices For Activating Release: Hydrostatic Unit with Float Freefall Hydraulic / mechanical Lifeboat on load lift not over centre, Curve to flat rotating cams 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, NS-series F-series, ML-series NS-series, SR-series	ISO / PAS 23678 (* See Note)
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 Freefall Hydraulic / mechanical	NORMAR (NORWEGIAN MARINE EQUIPMENT)	JX-2-series, JX-4-series	ISO / PAS 23678 (* See Note)
Rescue boat / Davit Launched Liferaft / 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 Fast rescue boat offload / Manual or automatic Freefall Hydraulic / mechanical Rescue boat offload w. Onload capability	PALFINGER	FFH-series, NPT-series CAR-35F-series 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 Devices For Activating Release: Hydrostatic Unit with Diaphragm Freefall Hydraulic / mechanical Lifeboat on load lift not over centre, flat to flat rotating cams Rescue boat offload w. Onload capability	QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	BG-series BG-F-series BG-2R-series	ISO / PAS 23678 (* See Note)

Rescue boat / Davit Launched Liferaft / Lift over centre automatic	SERVO SHIP S.L	200-series	ISO / PAS 23678 (* See Note)
Rescue boat / Davit Launched Liferaft / Lift over centre automatic Rescue boat offload lift over center	SEZAMOR	HS-series HLR-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Central Release Unit Devices for activating release: Free Fall Hydraulic Primary and Secondary Devices For Activating Release: Hydrostatic Unit with Float Freefall Hydraulic / mechanical Lifeboat on load lift not over centre, Curve to flat rotating cams Lifeboat on load lift not over centre, up and down pins / collars	SHIGI SHIPBUILDING CO. LTD.	SRS-series, SZK-30-series, SZK-5-series WP39-series SZK-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Central Release Unit Devices For Activating Release: Hydrostatic Unit with Diaphragm Lifeboat on load lift not over centre, forward or reverse curve to curve rotating cams Rescue boat / Davit Launched Liferaft / Lift over centre automatic	SURVITEC (SCI)	SAFELAUNCH-series SLA 3.5-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 Rescue boat offload w. Onload capability	T-ISS BV	PX02-series, PX01 -series 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 Devices For Activating Release: Hydrostatic Unit with Diaphragm 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 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			
Devices for activating release: Free Fall Hydraulic Primary and Secondary 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 Devices For Activating Release: Electronic Sensor Devices for activating release: Free Fall Hydraulic Primary and Secondary Devices For Activating Release: Hydrostatic Unit with Diaphragm Fast Rescue boat offload Freefall Hydraulic / mechanical Lifeboat on load lift not over centre, flat to flat rotating cams Rescue boat / Davit Launched Liferaft / Lift over centre automatic	VIKING (NORSAFE)	NADIRO D.I.B-series, TOR MK 1-series, TOR MK 2-series GES-series, HRS-series, NFFH-series K4-series RCH 36-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Central Release Unit Devices For Activating Release: Hydrostatic Unit with Diaphragm Lifeboat Offload release lift over centre Lifeboat on load lift not over centre, flat to flat rotating cams	WILLIAM MILLS	TITAN-series EMPRESS-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Central Release Unit Devices For Activating Release: Hydrostatic Unit with Diaphragm 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 Rescue boat offload w. Onload capability	WUXI MINGZI MACHINERY MANUFACTURING CO., LTD	21-37KN-series, 250-T25-series 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	21 KN_23KN_25KN_35KN-series, XS-series 15KN-series, XS15-series	ISO / PAS 23678 (* See Note)

Rescue boat offload w. Onload capability			
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 Devices For Activating Release: Hydrostatic Unit with Diaphragm 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 Freefall Hydraulic / mechanical	ZHEJIANG WANTONG HEAVY INDUSTRY CO., LTD	HK-series	ISO / PAS 23678 (* See Note)
Devices For Activating Release: Central Release Unit Devices For Activating Release: Hydrostatic Unit with Diaphragm Freefall Hydraulic / mechanical Fast Rescue Boat Offload with On-Load Capability Lifeboat on load lift not over centre, Curve to flat rotating cams Lifeboat on load lift not over centre, up and down pins / collars	ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	HK40-series SH-series HK-series	ISO / PAS 23678 (* See Note)
Partially enclosed lifeboat, twin fall Totally enclosed lifeboat, twin fall, tanker version	ACEBI	PELB-series 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 Totally enclosed lifeboat, twin fall, dry version Totally enclosed lifeboat, twin fall, tanker version	BALDEN	BD-FFC-series, BD-FFT- series BD-LBC-series BD-LB-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, dry version	BEIYANG BOATBULDING 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 Totally enclosed lifeboat, freefall	CSSC LUZHOU ZHENJIANG MARINE AUXILIARY MACHINERY CO., LTD (EX ZMAMW)	YH-QFP-series YHFP-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall Rescue Boat, single fall	DAFER (NARWHAL)	FRB-series 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 Partially enclosed lifeboat, twin fall Rescue Boat, single fall Totally enclosed lifeboat, freefall Totally enclosed lifeboat, twin fall, dry version Totally enclosed lifeboat, twin fall, tanker version	DSB ENGINEERING CO LTD	DSBRA / RB-series DSBP-series DSBR / RA / RB / RB- series, NPT-R-series DSBFC-series, DSBFF- series DSBC-series 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 Partially enclosed lifeboat, twin fall Rescue Boat, single fall Totally enclosed lifeboat, freefall Totally enclosed lifeboat, twin fall, dry version Totally enclosed lifeboat, twin fall, tanker version	FASSMER	FRR-series CL-P-series, PLL-series, SEL-series FRIR-series, RR-series GAR-series, GAR-T-series CL-series, CLR-C-series, CLX-series, GMR-series CLR-T-series	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall Totally enclosed lifeboat, freefall Totally enclosed lifeboat, twin fall, dry version Totally enclosed lifeboat, twin fall, tanker version	FASSMER MARLAND	RR-series CFL-C-series, CFL-T-series CLR-C-series, DRAGON C- series, HH-C-series 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 Partially enclosed lifeboat, twin fall Rescue Boat, single fall Totally enclosed lifeboat, freefall Totally enclosed lifeboat, twin fall, dry version Totally enclosed lifeboat, twin fall, tanker version	GEPA	G-FRB-series G-FYK-series G-RB1-series G-FFF-series G-FK-series GFK-FP-series	ISO / PAS 23678 (* See Note)
Partially enclosed lifeboat, twin fall Rescue Boat, single fall Totally enclosed lifeboat, freefall Totally enclosed lifeboat, twin fall, dry version Totally enclosed lifeboat, twin fall, tanker version	GREBEN	PEL-series RB-series FFL-series TEL-series TEL-FP-series	ISO / PAS 23678 (* See Note)
Partially enclosed lifeboat, twin fall Rescue Boat, single fall Totally enclosed lifeboat, freefall Totally enclosed lifeboat, twin fall, dry version Totally enclosed lifeboat, twin fall, tanker version	HARDING (UMO SCHAT HARDING)	ML-series, MPC-series MOB 4.5A-series FF-series MCF-series MCB-series, MCM-series	ISO / PAS 23678 (* See Note)

Partially enclosed lifeboat, twin fall Totally enclosed lifeboat, freefall Totally enclosed lifeboat, twin fall, tanker version Fast Rescue Boat, single fall Rescue Boat, single fall Totally enclosed lifeboat, twin fall, dry version Totally enclosed lifeboat, twin fall, tanker version	HARDING (UMO SCHAT HARDING) (PALFINGER)	CTL-series HARDING-LBF-series MC-series STINGER 630-series MOB 17-series LBT-C-series LBT-T-series	ISO / PAS 23678 (* See Note)
Partially enclosed lifeboat, twin fall Totally enclosed lifeboat, freefall Totally enclosed lifeboat, twin fall, tanker version	HARDING (WATERCRAFT)	MOB-series, MOBAC-series, PELB-series, PERB-series, WFF-series 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 Partially enclosed lifeboat, twin fall Rescue Boat, single fall Totally enclosed lifeboat, freefall Totally enclosed lifeboat, twin fall, dry version Totally enclosed lifeboat, twin fall, tanker version	HATECKE (ERNST HATECKE)	FRB-series PEL-series, PL-series RB-series GFF-series GSL-T-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall Totally enclosed lifeboat, freefall Totally enclosed lifeboat, twin fall, dry version Totally enclosed lifeboat, twin fall, tanker version	HLB ( HYUNDAI LIFEBOATS)	HDFR-series HDF-T-series, HDFL-F-series, HDFN-F-series, HDFN-T-series HDL-CT-series, HLB-C-series, HT78-series HDL-CF-series, HLB-F-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, dry version Totally enclosed lifeboat, twin fall, tanker version	HOEI SENPAKU CO.,LTD	HS-series HSF-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, dry version Totally enclosed lifeboat, twin fall, tanker version	HOI SENPAKU CO LTD	HS-series HSF-series	ISO / PAS 23678 (* See Note)
Open lifeboat, twin fall Rescue Boat, single fall Totally enclosed lifeboat, twin fall, dry version Totally enclosed lifeboat, twin fall, tanker version	IHI MARINE UNITED INC (JAPAN MARINE UNITED CORP)	G-series MUR-J-series GTC-C-series GT-F-series, GTC-F-series, GTR-JYC-series, GTR-JYF-series	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall Totally enclosed lifeboat, freefall	JAPAN MARINE UNITED CORP.	MU-GJ-series MU-FN-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall Partially enclosed lifeboat, twin fall Rescue Boat, single fall Totally enclosed lifeboat, freefall Totally enclosed lifeboat, twin fall, dry version	JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	GJ-series JY-BF-series JY-FF-series, JY-FN-series, JYM-FF-series JY-QFP-series GTR-JYF-series, JY-QFN-series	ISO / PAS 23678 (* See Note)

Totally enclosed lifeboat, twin fall, tanker version			
Fast Rescue Boat, single fall Partially enclosed lifeboat, twin fall Rescue Boat, single fall Totally enclosed lifeboat, freefall Totally enclosed lifeboat, twin fall, dry version Totally enclosed lifeboat, twin fall, tanker version	JIANGYIN NEPTUNE MARINE APPLIANCE CO., LTD.	NPT-RA-series NPT-P-series, NPT-PT-series NPT-R-series, NPT-RA-series, NPT-RB-series, NPT-RFA-series NPT-FA-series, NPT-FC-series, NPT-FCA-series, NPT-FF-series NPT-C-series NPT-F-series, NPT SC-series	ISO / PAS 23678 (* See Note)
Open lifeboat, twin fall Partially enclosed lifeboat, twin fall Rescue Boat, single fall Totally enclosed lifeboat, freefall Totally enclosed lifeboat, twin fall, dry version Totally enclosed lifeboat, twin fall, tanker version	JIANGYIN WOLONG F.R.P. BOAT CO. LTD	JYK-series JYP-series JYDR-series, JYKR-series JYCF-series, JYFF-series JYC-series, JYCA-series, JYCB-series JYF-series, JYFA-series, JYFB-series	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall Totally enclosed lifeboat, freefall	JIANGYIN XINJIANG	GJ-series, GJ- B-series JY-FN-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall Open lifeboat, twin fall Partially enclosed lifeboat, twin fall Rescue Boat, single fall Totally enclosed lifeboat, freefall Totally enclosed lifeboat, twin fall, dry version Totally enclosed lifeboat, twin fall, tanker version	JIANGYINSHI BEIHAI	JYB-G-series, JYB-Q-series JYB-K-series JYB-B-series JY-BR-series, JYB-KR-series, SC-K-series, SC-KR-series JYB-FC-series, JYB-FF-series JYB-C-series 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 Rescue Boat, single fall	MARE SAFETY AS	GTC 700-series, MS FRB-series RB-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall Rescue Boat, single fall	MARITIME PARTNERS	WEEDO 600-series, WEEDO 700-series ALUSAFE 1200 DC-series, ALUSAFE 700-series, ALUSAFE 770-series, ALUSAFE 900-series, SEA BEAR 23-series WEEDO 17 SOLAS-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall	MARITME PARTNERS (HUKKELBERG BOATS)	SPRINGER-series	ISO / PAS 23678 (* See Note)
Partially enclosed lifeboat, twin fall Totally enclosed lifeboat, single fall Totally enclosed lifeboat, twin fall, tanker version	MULDER EN RIJKE	PELB-series, PTL-series TELB-S-series 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 Totally enclosed lifeboat, twin fall, tanker version	NED-DECK MARINE (PALFINGER)	NMD 4.40 RESCUE-series NPT-series, PN85F-series	ISO / PAS 23678 (* See Note)

Fast Rescue Boat, single fall Open lifeboat, twin fall Rescue Boat, single fall Totally enclosed lifeboat, freefall Totally enclosed lifeboat, twin fall, dry version Totally enclosed lifeboat, twin fall, tanker version	NINGBO ASIA F.R.P. BOAT MANUFACTURING CO LTD	YZRA-series, YZRB-series BJ-series YZ-series YZFC-series, YZFF-series YZC-series YZF-series	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall Totally enclosed lifeboat, freefall Totally enclosed lifeboat, twin fall, dry version	NINGBO NEW MARINE LIFESAVING EQUIPMENT CO. LTD	NM43R-series, NM45R- series NM-FC-series, NM-FF- series NM-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall Open lifeboat, twin fall Partially enclosed lifeboat, twin fall Totally enclosed lifeboat, freefall Totally enclosed lifeboat, twin fall, dry version Totally enclosed lifeboat, twin fall, tanker version	NISHI-F CO., LTD., (EX. ISHIHARA DOCKYARD, NISHI- NIPPON)	FRP-series NF-series, NFA-series PML-series FF-series CML-series, EML-series, G- TR-series G-AFR-series, 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 Rescue Boat, single fall Totally enclosed lifeboat, freefall Totally enclosed lifeboat, twin fall, tanker version	NOREQ (PALFINGER)	FRB-series RRB-series LBF-series LBT-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall Rescue Boat, single fall Totally enclosed lifeboat, freefall Totally enclosed lifeboat, twin fall, tanker version	NORMAR (NORWEGIAN MARINE EQUIPMENT)	FRC-series NORMAR-RESCUE 425- series, RESCUE 425 / 500- series FREE FALL 4.9 TO 8.5T- series TELB-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, dry version Totally enclosed lifeboat, twin fall, tanker version	OY FISKARS AB	TELB-series	ISO / PAS 23678 (* See Note)
Partially enclosed lifeboat, twin fall Totally enclosed lifeboat, freefall Totally enclosed lifeboat, twin fall, dry version Totally enclosed lifeboat, twin fall, tanker version	PALFINGER	CTL-series, MPC-series, NPT-T-series FF-series, NPT-FC-series, NPT-FF-series KISS-C-series, NPT-F-series KISS-C-series, NPT-F-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall Rescue Boat, single fall	PALFINGER (FAST RSQ)	FRSQ-series RSQ-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, freefall Totally enclosed lifeboat, twin fall, dry version	PESBO S.A	BSL-series BSC-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall Partially enclosed lifeboat, twin fall Rescue Boat, single fall Totally enclosed lifeboat, freefall Totally enclosed lifeboat, twin fall, dry version	QINGDAO BEIHAI SHIPBUILDING HEAVY INDUSTRY CO. LTD.	BH-HR7-series, FRB-series BH10-series BH-R-series BH-F-series BH-series	ISO / PAS 23678 (* See Note)

Totally enclosed lifeboat, twin fall, tanker version			
Totally enclosed lifeboat, freefall	SHANGHAI JIANGNAN	JN-FC-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall Open lifeboat, twin fall Partially enclosed lifeboat, twin fall Rescue Boat, single fall Totally enclosed lifeboat, freefall Totally enclosed lifeboat, twin fall, dry version Totally enclosed lifeboat, twin fall, tanker version	SHIGI SHIPBUILDING CO. LTD.	FRP-series SZGM-series, SZGO-series SZP-series, SZPR-series SZRS-series, VOX46-series FEL-series, GARS-series SZBR-series SZTR-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall Rescue Boat, single fall Totally enclosed lifeboat, freefall Totally enclosed lifeboat, twin fall, dry version	STOCZNIA USTKA SP. Z O.O.	FRB-series R-series, RIB-series FFB-series Z-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall Totally enclosed lifeboat, freefall Totally enclosed lifeboat, twin fall, dry version Totally enclosed lifeboat, twin fall, tanker version	SURVITEC (SCI)	SC60RA-series FF-series SCFA-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall Totally enclosed lifeboat, single fall	SURVIVAL SYSTEMS INT	FRB-series 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 Totally enclosed lifeboat, twin fall, tanker version	TSUNEISHI (KAMBARA RINGYO)	KL-TE-series KL-FP-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, dry version Totally enclosed lifeboat, twin fall, tanker version	TSUNEISHI (SANYO WORKS)	TE-series 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 Rescue Boat, single fall Totally enclosed lifeboat, twin fall, dry version Totally enclosed lifeboat, twin fall, tanker version	VANGUARDE	VG-FRK-series, VG-FRW-series VG-DRS-series, VG-KR-series VG-C-series 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 Partially enclosed lifeboat, twin fall Rescue Boat, single fall Totally enclosed lifeboat, freefall Totally enclosed lifeboat, twin fall, dry version Totally enclosed lifeboat, twin fall, tanker version	VIKING (NORSAFE)	470 GRP-series, MAGNUM-series, MAKO-series, MERLIN-series MINIMA-series MAKO-series, MERLIN-series, MIDGET-series JYN-F-series JYN-C-series, MAGGIE-C-series, MATILDA-C-series, MAUD-C-series, MAXIMA-C-series, MIRAM-C-series	ISO / PAS 23678 (* See Note)

		JYN-MKI-series, JYN-T-series, MAGGIE-T-series, MATILDA-T-series, MAUD-T-series, MAXIMA-T-series, MIRAM-T-series	
Rescue Boat, single fall Totally enclosed lifeboat, freefall	VIKING (NORSAFE) (JIANGYIN)	MATRIX-series 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 Totally enclosed lifeboat, twin fall, dry version	WATERCRAFT (WATERCRAFT HELLAS)	4.9M-RB-series MK 5-series	ISO / PAS 23678 (* See Note)
Partially enclosed lifeboat, twin fall Totally enclosed lifeboat, twin fall, tanker version	WATERMAN OY	365-series, 367-series, 391- series, 393-series 351-series, 366-series, 366HRL-series, 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 Rescue Boat, single fall Totally enclosed lifeboat, freefall Totally enclosed lifeboat, twin fall, dry version Totally enclosed lifeboat, twin fall, tanker version	WUXI HAIHONG BOAT MAKING CO., LTD	BH-series, BJ-series GJ-series HH-FC-series, HH-FF-series HH-C-series, HH-CS-series HH-T-series, HH-TS-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall Open lifeboat, twin fall Rescue Boat, single fall Totally enclosed lifeboat, freefall Totally enclosed lifeboat, twin fall, dry version Totally enclosed lifeboat, twin fall, tanker version	WUXI WENJIAO	WJ-RA-series, WJ-RB-series BH-series, BJ-series, WJ- series GJ-series WJFF-series, WJFFC-series, WUXI WENJIAO / WJFFC- series WJBC-series 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 Totally enclosed lifeboat, freefall Totally enclosed lifeboat, twin fall, dry version Totally enclosed lifeboat, twin fall, tanker version	ZHEJIANG HENGXIN SHIP EQUIPMENTS CO.,LTD	GJ-series BCFC-series, BCFF-series, FL-C-series, FL-F-series BCC-series BCF-series	ISO / PAS 23678 (* See Note)
Totally enclosed lifeboat, twin fall, dry version Totally enclosed lifeboat, twin fall, tanker versio	ZHEJIANG NORSIER LIFESAVING EQUIPMENT TECHNOLOGY CO.,LTD (ZHEJIANG HENGXIN SHIP EQUIPMENTS CO.,LTD)	NSY-series NYF-series	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall Totally enclosed lifeboat, freefall	ZHEJIANG WANTONG HEAVY INDUSTRY CO., LTD	GJ-series BCFF-series	ISO / PAS 23678 (* See Note)
Rescue Boat, single fall Totally enclosed lifeboat, freefall	ZHENJIANG JUST MARINE EQUIPMENT CO., LTD	ZJM-4.0-series ZJM-FF-series	ISO / PAS 23678 (* See Note)

Fast Rescue Boat, single fall Rescue Boat, single fall Totally enclosed lifeboat, freefall Totally enclosed lifeboat, twin fall, dry version Totally enclosed lifeboat, twin fall, tanker version	ZHENJIANG MARINE AUXILIARY MACHINERY WORKS	YH-FRB-series YH-FRA-series, YH-R- series YHFP-series YH-QFP-series YH-DR-series	ISO / PAS 23678 (* See Note)
Fast Rescue Boat, single fall Rescue Boat, single fall	ZODIAC (SURVITEC)	RIB-series 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)
Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads	A TECH	AT10-LRD-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. Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads. Twin Drum, gravity- lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads. 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 TR-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	ACGIN	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 liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	ALEXANDER WELIN	AIW-series	ISO / PAS 23678 (* See Note)
Single drum Gravity lowering electric hoisting	BADA HEAVY IND. CO., LTD (EX.	BDF-series, BLW-series, BRW-series	ISO / PAS 23678 (* See Note)

<p>liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads.</p> <p>Single Drum, hydraulic-lowering/hydraulic hoisting.</p> <p>Twin Drum, gravity-lowering/electrically hoisting w / static brake cone / disk / pads / band / decent brake centrifugal w pads.</p> <p>Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads.</p> <p>Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads.</p>	<p>DAERYUCK MACHINERY)</p>	<p>HDF-series EA-series, BM-series, ELEC. MOTOR DRIVEN-series BDTW-series, BMW-series, BWL-series, BWR-series BHI-EHW-series, BLW-series</p>	
<p>Single Drum, hydraulic-lowering/hydraulic hoisting</p>	<p>BOPP TREUILS JEB</p>	<p>BHP 4200-series</p>	<p>ISO / PAS 23678 (* See Note)</p>
<p>Single Drum, hydraulic-lowering/hydraulic hoisting</p>	<p>BREVINI</p>	<p>BWC-series, BWF 025-series, PWD-series, W381 -series</p>	<p>ISO / PAS 23678 (* See Note)</p>
<p>Single Drum, hydraulic-lowering/hydraulic hoisting</p>	<p>BRYNE MEKANIKK AS</p>	<p>H02D1 D-series</p>	<p>ISO / PAS 23678 (* See Note)</p>
<p>Single Drum, hydraulic-lowering/hydraulic hoisting</p>	<p>CRAMM YACHTING SYSTEMS B.V</p>	<p>BWF1500-series</p>	<p>ISO / PAS 23678 (* See Note)</p>
<p>Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads.</p> <p>Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads.</p>	<p>CSSC LUZHOU ZHENJIANG MARINE AUXILIARY MACHINERY WORKS (EX ZMAMW)</p>	<p>SAF-series DS/DZ-series</p>	<p>ISO / PAS 23678 (* See Note)</p>
<p>Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads.</p> <p>Twin Drum, gravity-lowering/electrically hoisting w / static brake cone / disk / pads / band / decent brake centrifugal w pads.</p>	<p>DAVIT COMPANY (PALFINGER)</p>	<p>16 EV-series 24EPB-series</p>	<p>ISO / PAS 23678 (* See Note)</p>
<p>Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads.</p>	<p>DAVIT INTERNATIONAL</p>	<p>01KN-series, 02KN-series, 03 KN-series, 04KN-series, 07KN-series 06KN-series 12-series, 40-series</p>	<p>ISO / PAS 23678 (* See Note)</p>

Single Drum, hydraulic-lowering/hydraulic hoisting. Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads.			
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. Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads. Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads.	DONGNAM ENTERPRISE.,CO LTD	HLW-series DSAD-series 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. Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads.	DONGWOO MACHINERY & ENGINEERING CO., LTD.	DBD-series 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 hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads. Single Drum, hydraulic-lowering/hydraulic hoisting. Twin Drum, gravity-lowering/electrically hoisting w/holding static	FASSMER	DEW-series FFWH-series FDW-series	ISO / PAS 23678 (* See Note)

brakes with mechanically operated multiple disks friction pads / decent brake hydraulic pump. Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes, multiple disks, hydraulically operated / decent brake hydraulic pump			
Single Drum, hydraulic-lowering/hydraulic hoisting. Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads.	FASSMER MARLAND	FFWH-series 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. Single Drum, hydraulic-lowering/hydraulic hoisting. Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads.	GLOBAL DAVIT	W02KN-series, W04KN-series, W08KN-series 02H.06.01-series, W05HC-series, W08HC-series, WS-series 04KN-series, 14KN-series, 20KN-series, 26KN-series, W07Kn-series, 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. Single Drum, hydraulic-lowering/hydraulic hoisting. Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads.	GREBEN	EW-2-series, PROMAC 12/4.2 EL-series HW-series 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. Single Drum, hydraulic-lowering/hydraulic hoisting	GURDESAN	GD-FLW-series 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 HHD-PC-series	ISO / PAS 23678 (* See Note)

eccentric cam / decent brake centrifugal pads. Single Drum, hydraulic-lowering/hydraulic hoisting			
Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake hydraulic pump	HARDING	LW-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity-lowering/electrically 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)	MW-series 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, hydraulic-lowering/hydraulic hoisting. Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake hydraulic pump	HARDING (UMO SCHAT HARDING) (PALFINGER)	RWH 1,2-series HD/EW - 8 PL-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. Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads. Single Drum, hydraulic-lowering/hydraulic hoisting. 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)	BE 7.5-series 08-02-series, FM 194-series, FME-series EW-02-PL-series 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 Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads	HARDING (WATERCRAFT) (PALFINGER)	W 2100-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 (JAPAN MARINE UNITED CORP)	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	ILR-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	JAPAN MARINE UNITED CORP.	JYR-21-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. Twin Drum, gravity-lowering/electrically hoisting w/holding static	JIANGSU JIAOYAN MARINE EQUIPMENT CO., LTD (JIANGYIN XINJIANG F.R.P. CO. LTD)	JYA30-series, JYRZ-series JYW-series, JYWP-series	ISO / PAS 23678 (* See Note)

brakes with mechanically operated multiple disks 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. Single Drum, hydraulic-lowering/hydraulic hoisting. 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-DW-series NPT-DW-B-series, NPT-HW-series 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. 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.	JY-D 23Z-series 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. Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	JIANGYINSHI BEIHAI	DZ-series DS-series, DW-series, JYBW-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 LSA CO., LTD.	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	JUNG-A-MARINE CO., LTD	PCRLC-series	ISO / PAS 23678 (* See Note)
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,	MANSEI	ERW-series, MLW-series, RMW-series, SW-series .06KN-series, FW-series AW-series, CMW-series, EW-series, MW-series	ISO / PAS 23678 (* See Note)

<p>eccentric cam / decent brake centrifugal pads.</p> <p>Single Drum, hydraulic-lowering/hydraulic hoisting.</p> <p>Twin Drum, gravity-lowering/electrically hoisting w / static brake cone / disk / pads / band / decent brake centrifugal w pads.</p> <p>Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads.</p>		<p>ABW-series, FBW-series, MW-series</p>	
<p>Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads</p>	<p>MARITIME DECK MACHINERY</p>	<p>W-6116 E-series</p>	<p>ISO / PAS 23678 (* See Note)</p>
<p>Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads</p>	<p>MENAROM SA</p>	<p>CMPS 21 -series</p>	<p>ISO / PAS 23678 (* See Note)</p>
<p>Twin Drum, gravity-lowering/electrically hoisting w / static brake cone / disk / pads / band / decent brake centrifugal w pads</p>	<p>MIURA MACHINE CO.,LTD (MIURA VIDER) (MANSEI)</p>	<p>LBH-series, RBH-series</p>	<p>ISO / PAS 23678 (* See Note)</p>
<p>Single Drum, hydraulic-lowering/hydraulic hoisting</p>	<p>MJØSUND BÅT &amp; HYDRAULIK</p>	<p>MV-series</p>	<p>ISO / PAS 23678 (* See Note)</p>
<p>Twin Drum, gravity-lowering/electrically hoisting w / static brake cone / disk / pads / band / decent brake centrifugal w pads.</p> <p>Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads</p>	<p>NANJING DONGSHENG MARINE EQUIPMENT CO., LTD</p>	<p>DB14-series ARL21-series</p>	<p>ISO / PAS 23678 (* See Note)</p>
<p>Single Drum, hydraulic-lowering/hydraulic hoisting</p>	<p>NAVIGATION'S</p>	<p>HWRB 1.2-series</p>	<p>ISO / PAS 23678 (* See Note)</p>
<p>Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads</p>	<p>NAVIM GROUP (TECNIMPIANTI S.P.A)</p>	<p>RBEW-series</p>	<p>ISO / PAS 23678 (* See Note)</p>
<p>Single Drum Gravity lowering electric hoisting lifeboat / rescue boat / static brake pad, cone, disk, band / decent brake centrifugal pads.</p> <p>Single drum Gravity lowering electric hoisting liferaft / rescue boat / static</p>	<p>NED-DECK MARINE (PALFINGER)</p>	<p>04-series HWCT-series 15-series</p>	<p>ISO / PAS 23678 (* See Note)</p>

brake pad, cone, disk, eccentric cam / decent brake centrifugal pads. Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads			
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. Single Drum, hydraulic-lowering/hydraulic hoisting. Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads.	ORIENTAL PRECISION	RDW-series WL-series BWE-series, SWE-series.	ISO / PAS 23678 (* See Note)
Single Drum, hydraulic-lowering/hydraulic hoisting. Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes, multiple disks, hydraulically operated / decent brake hydraulic pump	PALFINGER	NW 1800H-series CW-series, 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. Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads	PELLEGRINI MARINE EQUIPMENT	RLC-series 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. 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-SC-series BW-HL-series, BW-HR-series, BW-LL-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 hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	SPP SHIPBUILDING CO LTD.	W-5800A-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	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. 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	TC-series EB-series	ISO / PAS 23678 (* See Note)
Single Drum, hydraulic-lowering/hydraulic hoisting	TTS (HYDRALIFT )	HLD-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. Single Drum, hydraulic-lowering/hydraulic hoisting	ULSTEIN FAMA (FAMA GNIEW)	ER10B-series, ERM-series 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. Single Drum, hydraulic-lowering/hydraulic hoisting	VIKING (NORSAFE)	W-series NWR-series	ISO / PAS 23678 (* See Note)
Single Drum, hydraulic-lowering/hydraulic hoisting. 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)	HYD-FF-series 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. Twin Drum, gravity-lowering/electrically hoisting w / static brake cone /disk / pads / band / decent brake centrifugal w pads.	WELIN LAMBIE	5619-series, 9502-series, PIV.1.0A-series, RBW-series 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	DS/Z-series, DZ-series	ISO / PAS 23678 (* See Note)
Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically	WUXI HUAHAI MARINE EQUIPMENT LIMITED CO. LTD	MW-series	ISO / PAS 23678 (* See Note)

	operated multiple disks friction pads / decent brake centrifugal w pads			
	Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks friction pads / decent brake centrifugal w pads	YILMAZ DENIZCIK	YDGS 10-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	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. Single drum Gravity lowering electric hoisting liferaft / rescue boat / static brake pad, cone, disk, eccentric cam / decent brake centrifugal pads.	ZHEJIANG HENGXIN SHIP EQUIPMENT CO.,LTD	D-series 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	ZHEJIANG NORSIER LIFESAVING EQUIPMENT TECHNOLOGY CO.,LTD (ZHEJIANG HENGXIN SHIP EQUIPMENTS CO.,LTD)	NS/NZ-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. Single Drum, hydraulic-lowering/hydraulic hoisting.	ZHEJIANG WANTONG HEAVY INDUSTRY CO., LTD	DZ-series 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. 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 SAW30-series D-series, DP-series, DS/DZ-series	ISO / PAS 23678 (* See Note)

Single Drum, hydraulic-lowering/hydraulic hoisting Twin Drum, gravity-lowering/electrically hoisting w/holding static brakes with mechanically operated multiple disks 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. Single Drum, hydraulic-lowering/hydraulic hoisting	ZHENJIANG WEST MARINE EQUIPMENT CO., LTD	WME-SAD 14-series WME-LRH35-series	ISO / PAS 23678 (* See Note)
Single Drum, hydraulic-lowering/hydraulic hoisting	ZOLLERN	A2FM45-61A-series, ZHP-series, ZR-series	ISO / PAS 23678 (* See Note)

*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 covered by this certificate**

-

**4- Condition for the validity of the certificate of approval**

The certification is valid insofar as the inspection duties are actually assumed by personnel of the 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 appraisalment 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 appraisalment 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 appraisalment 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 Invalidation 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>.

Bureau Veritas Marine & Offshore General Conditions – January 2023 version