

Certificate of Education and Practical Training

Certificate number: LSA.PM/BSC-A.222371

This is to certify that

Moataz Mamdouh Ahmed Mohamed Abouelenein

Palfinger Marine ID no. 2371

Dolphin Marine - Free Zone

has successfully completed

LSA Basis Training

In accordance with IMO Resolution MSC.402(96), as amended, Section 8, the holder of this certificate has received education and practical training in:

- Relevant rules and regulations including international conventions
- Design and construction of lifeboats (including free-fall lifeboats), rescue boats and fast rescue boats, including on-load release gear and launching appliances;
- Causes of lifeboat and rescue boat accidents;
- Procedures for issuing a report of service and statement of fitness for purpose and
- Work Health and Safety issues while conducting activities on board.
- Detailed procedures for thorough examination, operational testing, repair and overhaul of lifeboat (including free-fall lifeboats), rescue boats and fast rescue boats, launching appliances and on-load release gear, as applicable;
- Practical technical training on thorough examination, operational testing, maintenance, repair and overhaul techniques. The technical training included disassembly, reassembly, correct operation and adjustment of the equipment.

Issue Date: 11-MAR-22

Valid until: 10-MAR-25

Assessor



Nico van Kouterik
Trainer

PALFINGER Marine



Juergen Falch
Director Service Execution Europe
Managing Director
PALFINGER MARINE EUROPE BV



Makes

Palfinger as Manufacturer has taken legal and legitimate responsibilities for the following equipment, these Makes are part of the training:

ACTA	Mulder & Rijke	Schat Davits
Beiyang Boatbuilding Co	Ned-Deck Marine	Schat-Davit Company
Björke Båtbyggeri	Neptune	Schat-Harding
Davit Company	Noreq	Schat London
Edgewater Machine & Fabricators	Palfinger	Schat-Watercraft
Fiskars	Palfinger Ned-Deck	SEC Davits
Harding	Palfinger Marine	Umoe-Schat Harding
LAR Launch and Rescue	Palfinger Neptune	Viking Marine
Maseco	RSQ	Watercraft
Mills	Schat	Waterman

Equipment Working Principles

The following generic equipment working principles are part of the training:

LSA	Category	Type (model)
Survival Craft	Lifeboat	Open, TELB, PELB, Tender, Hyperbaric, Capsule
	Free Fall lifeboat	FFLB
	(Fast) Rescue boat	Rigid, Semi-rigid
Hooks / Release Gear	Conventional hook	Off-load, Camshaft, locking plate, Intermediate, Rotating cup, Drop-In-Ball
	Free Fall hook	Camshaft, Hydraulic jack, Rotating cup
	(Fast) Rescue boat hook	Fixed, Fall wire suspended
	Raft hook	Fall wire suspended
	Combi RB/Raft hook	Fixed, Fall wire suspended
Davits	Gravity Davit	Normal Deck Pivot, Roller Track, Multi Pivot, Slewing, Fixed Arm (Outrigger), Telescopic
	Free Fall Davit	FF A-frame, FF Combi-crane, FF Fixed frame
	Hydraulic Davit	A-Frame Pivoting, Telescopic, Slewing, Deck Pivot, Fixed Arm (Outrigger)
Winches	Mechanical winch	Threaded sleeve, Band brake, Knott brake, Eccentric brake, Electro-magnetic brake, Torque set brake
	Hydraulic winch	Hydraulic brake, Combi mechanical/hydraulic brake

PALFINGER Marine Equipment Types (Models)

The following list specifies the generic equipment working principle for each Make and Type of Palfinger Equipment.

Make/OEM	Type	LSA	LSA Category	Generic Equipment Working Principle
ACTA	KNT	Winches	Hydraulic_winch	Hydraulic brake
ACTA	DC	Davits	Gravity_davit	Slewing
ACTA	DR	Davits	Gravity_davit	Slewing
ACTA	HSC	Cranes	Combi_crane_FF_RB	Slewing
ACTA	MOB-B	Davits	Gravity_davit	Slewing
ACTA	MOB-L	Davits	Gravity_davit	Slewing
Beiyang_Boatbuilding	RB/HRB	Survival_Craft	RB_FRB	Rigid
Beiyang_Boatbuilding	TECB	Survival_Craft	Lifeboat	TELB
Beiyang_Boatbuilding	LH	Release_gear	Conventional_hook	Camshaft
Edgewater_Machine_and_Fabricators	DEW	Winches	Mechanical_winch	Threaded sleeve
Edgewater_Machine_and_Fabricators	FRD	Davits	Gravity_davit	Fixed Arm (Outrigger)
Edgewater_Machine_and_Fabricators	GDP	Davits	Gravity_davit	Normal Deck Pivot
Edgewater_Machine_and_Fabricators	GEHL	Winches	Mechanical_winch	Threaded sleeve
Edgewater_Machine_and_Fabricators	GP	Davits	Gravity_davit	Normal Deck Pivot
Edgewater_Machine_and_Fabricators	RTD	Davits	Gravity_davit	Roller Track
Edgewater_Machine_and_Fabricators	SAH	Davits	Hydraulic_davit	Deck pivot
Edgewater_Machine_and_Fabricators	SAR	Davits	Hydraulic_davit	Slewing
Fast_RSQ	FRSQ	Survival_Craft	RB_FRB	Rigid
Fast_RSQ	PB	Survival_Craft	RB_FRB	Rigid
Fast_RSQ	RSQ	Survival_Craft	RB_FRB	Rigid
Harding_Safety_AS	ARH	Release_gear	Raft_hook	Fall wire suspended
Harding_Safety_AS	BW	Davits	Gravity_davit	Normal Deck Pivot
Harding_Safety_AS	CCW	Winches	Hydraulic_winch	Hydraulic brake
Harding_Safety_AS	CRV	Survival_Craft	Lifeboat	Tender
Harding_Safety_AS	CTL	Survival_Craft	Lifeboat	Tender
Harding_Safety_AS	CW	Winches	Hydraulic_winch	Hydraulic brake
Harding_Safety_AS	FAD	Davits	Gravity_davit	Fixed Arm (Outrigger)
Harding_Safety_AS	FF	Survival_Craft	FF_Lifeboat	FFLB
Harding_Safety_AS	RRB/FRB	Survival_Craft	RB_FRB	Rigid
Harding_Safety_AS	JX-1	Release_gear	Conventional_hook	Intermediate
Harding_Safety_AS	JX-2	Release_gear	FF_hook	Hydraulic jack
Harding_Safety_AS	JX-3	Release_gear	RB_FRB_hook	Fixed
Harding_Safety_AS	JX-4	Release_gear	Conventional_hook	Intermediate
Harding_Safety_AS	JX-5	Release_gear	Conventional_hook	Intermediate

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Make/OEM	Type	LSA	LSA Category	Generic Equipment Working Principle
Harding_Safety_AS	JYF	Survival_Craft	FF_Lifeboat	FFLB
Harding_Safety_AS	JYFW	Winches	Mechanical_winch	Threaded sleeve
Harding_Safety_AS	JYHG	Davits	Hydraulic_davit	Deck pivot
Harding_Safety_AS	JYL	Davits	Gravity_davit	Normal Deck Pivot
Harding_Safety_AS	JYLR	Davits	Gravity_davit	Normal Deck Pivot
Harding_Safety_AS	JYP	Davits	Gravity_davit	Fixed Arm (Outrigger)
Harding_Safety_AS	JYR	Davits	Gravity_davit	Slewing
Harding_Safety_AS	JYW	Winches	Mechanical_winch	Threaded sleeve
Harding_Safety_AS	KH	Release_gear	Conventional_hook	Rotating cup
Harding_Safety_AS	KISS	Survival_Craft	Lifeboat	TELB
Harding_Safety_AS	LA	Davits	FF_davit	FF A-frame
Harding_Safety_AS	LAR	Davits	Gravity_davit	Normal Deck Pivot
Harding_Safety_AS	LBF	Survival_Craft	Lifeboat	TELB
Harding_Safety_AS	LBP	Survival_Craft	Lifeboat	TELB
Harding_Safety_AS	LBT	Survival_Craft	Lifeboat	TELB
Harding_Safety_AS	LHR	Release_gear	Conventional_hook	Camshaft
Harding_Safety_AS	MCB	Survival_Craft	Lifeboat	TELB
Harding_Safety_AS	ML	Survival_Craft	Lifeboat	Tender
Harding_Safety_AS	MOB	Davits	Gravity_davit	Slewing
Harding_Safety_AS	MPC	Survival_Craft	Lifeboat	PELB
Harding_Safety_AS	NPD	Davits	Hydraulic_davit	Deck pivot
Harding_Safety_AS	NPDL	Davits	Hydraulic_davit	Deck pivot
Harding_Safety_AS	NPDS	Davits	Hydraulic_davit	Deck pivot
Harding_Safety_AS	NPDW	Davits	Hydraulic_davit	Deck pivot
Harding_Safety_AS	NRD	Davits	Hydraulic_davit	Deck pivot
Harding_Safety_AS	NRDS	Davits	Hydraulic_davit	Deck pivot
Harding_Safety_AS	NTD	Davits	Hydraulic_davit	Telescopic
Harding_Safety_AS	NTDS	Davits	Hydraulic_davit	Telescopic
Harding_Safety_AS	NW	Winches	Hydraulic_winch	Hydraulic brake
Harding_Safety_AS	PD	Davits	Hydraulic_davit	Deck pivot
Harding_Safety_AS	RA	Davits	FF_davit	FF Fixed frame
Harding_Safety_AS	RRH	Release_gear	RB_FRB_hook	Fall wire suspended
Harding_Safety_AS	Stinger	Survival_Craft	RB_FRB	Rigid
Harding_Safety_AS	VIP	Davits	Gravity_davit	Multi Pivot
MASECO	08	Winches	Mechanical_winch	Eccentric brake
MASECO	20/22/24/26/28/30	Davits	Gravity_davit	Roller Track
MASECO	H/M/G	Winches	Mechanical_winch	Band brake
MASECO	B	Davits	Gravity_davit	Normal Deck Pivot
MASECO	FR	Davits	Gravity_davit	Fixed Arm (Outrigger)
MASECO	GPD	Davits	Gravity_davit	Normal Deck Pivot
MASECO	GR	Davits	Gravity_davit	Normal Deck Pivot
MASECO	R H	Winches	Mechanical_winch	Band brake

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Make/OEM	Type	LSA	LSA Category	Generic Equipment Working Principle
MASECO	S	Davits	Gravity_davit	Fixed Arm (Outrigger)
MASECO	SPD	Davits	Gravity_davit	Normal Deck Pivot
MASECO	SPR	Davits	Gravity_davit	Normal Deck Pivot
MASECO	USW	Winches	Mechanical_winch	Threaded sleeve
MASECO	W H	Winches	Mechanical_winch	Band brake
Mulder_Rijke	PELB	Survival_Craft	Lifeboat	PELB
Mulder_Rijke	PERB	Survival_Craft	Lifeboat	PELB
Mulder_Rijke	PTL	Survival_Craft	Lifeboat	Tender
Mulder_Rijke	TELB	Survival_Craft	Lifeboat	TELB
Ned_Deck_Marine	04-03/04-04	Winches	Mechanical_winch	Threaded sleeve
Ned_Deck_Marine	15-01/02/03/40	Winches	Mechanical_winch	Threaded sleeve
Ned_Deck_Marine	BWF	Winches	Hydraulic_winch	Hydraulic brake
Ned_Deck_Marine	CAR	Release_gear	RB_FRB_hook	Fall wire suspended
Ned_Deck_Marine	FPG	Davits	Gravity_davit	Slewing
Ned_Deck_Marine	FPR	Davits	Gravity_davit	Fixed Arm (Outrigger)
Ned_Deck_Marine	GRT/GT	Davits	Gravity_davit	Roller Track
Ned_Deck_Marine	HOTT	Davits	Hydraulic_davit	Telescopic
Ned_Deck_Marine	HPLG	Davits	Hydraulic_davit	Deck pivot
Ned_Deck_Marine	HW CT	Winches	Hydraulic_winch	Hydraulic brake
Ned_Deck_Marine	LPLG	Davits	Gravity_davit	Multi Pivot
Ned_Deck_Marine	PBR	Davits	Gravity_davit	Normal Deck Pivot
Ned_Deck_Marine	PFH	Davits	Hydraulic_davit	Deck pivot
Ned_Deck_Marine	PLG	Davits	Gravity_davit	Normal Deck Pivot
Ned_Deck_Marine	PRH	Davits	Hydraulic_davit	A-Frame pivoting
Ned_Deck_Marine	PRHE	Davits	Hydraulic_davit	A-Frame pivoting
Ned_Deck_Marine	PRHH	Davits	Hydraulic_davit	A-Frame pivoting
Ned_Deck_Marine	SCD	Davits	Hydraulic_davit	Slewing
Ned_Deck_Marine	SCH	Davits	Hydraulic_davit	Slewing
Ned_Deck_Marine	SCHD	Davits	Hydraulic_davit	Slewing
Ned_Deck_Marine	SCHF	Davits	Hydraulic_davit	Slewing
Ned_Deck_Marine	SCM	Davits	Gravity_davit	Slewing
Ned_Deck_Marine	SCMF	Davits	Gravity_davit	Slewing
Ned_Deck_Marine	SFD	Davits	Hydraulic_davit	Slewing
Ned_Deck_Marine	SP	Davits	Gravity_davit	Normal Deck Pivot
Ned_Deck_Marine	SWTC	Davits	Gravity_davit	Roller Track
Ned_Deck_Marine	TOC	Davits	Gravity_davit	Roller Track
Noreq	LBF C/T	Survival_Craft	FF_Lifeboat	FFLB
Noreq	LBT C/T	Survival_Craft	Lifeboat	TELB
Noreq	NPDT	Davits	Hydraulic_davit	Telescopic
Noreq	NRW	Winches	Hydraulic_winch	Hydraulic brake
Palfinger_Marine	15-01/02/03/06	Winches	Mechanical_winch	Threaded sleeve
Palfinger_Marine	HCT	Davits	Gravity_davit	Multi Pivot
Palfinger_Marine	ARB	Release_gear	Raft_hook	Fall wire suspended

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Palfinger_Marine	FPR-H	Davits	Hydraulic_davit	Fixed Arm (Outrigger)
Palfinger_Marine	SCMLP	Davits	Gravity_davit	Slewing
Palfinger_Marine	SCMT	Davits	Gravity_davit	Slewing
Palfinger_Marine	SCR	Davits	Gravity_davit	Slewing
Palfinger_Marine_Boats_- SEE palfinger Marine	RSQ/FRSQ	Survival_Craft	RB_FRB	Rigid
Schat_Harding_AS	0-13	Winches	Mechanical_winch	Eccentric brake
Schat_Harding_AS	1-13	Winches	Mechanical_winch	Eccentric brake
Schat_Harding_AS	2-22	Winches	Mechanical_winch	Band brake
Schat_Harding_AS	2-38	Winches	Mechanical_winch	Band brake
Schat_Harding_AS	MS	Survival_Craft	Lifeboat	Open
Schat_Harding_AS	BHY	Winches	Mechanical_winch	Threaded sleeve
Schat_Harding_AS	BO	Winches	Mechanical_winch	Threaded sleeve
Schat_Harding_AS	EW PL	Winches	Mechanical_winch	Electro-magnetic brake
Schat_Harding_AS	FF48	Release_gear	FF_hook	Hydraulic jack
Schat_Harding_AS	FL	Davits	Gravity_davit	Fixed Arm (Outrigger)
Schat_Harding_AS	FM/FME	Winches	Mechanical_winch	Eccentric brake
Schat_Harding_AS	FR.P.SP	Davits	Hydraulic_davit	A-Frame pivoting
Schat_Harding_AS	H-80/86	Release_gear	Conventional_hook	Rotating cup
Schat_Harding_AS	H-86M FF	Release_gear	FF_hook	Rotating cup
Schat_Harding_AS	HD/HDW	Davits	Gravity_davit	Normal Deck Pivot
Schat_Harding_AS	HPL	Davits	Gravity_davit	Normal Deck Pivot
Schat_Harding_AS	HRD	Davits	Gravity_davit	Normal Deck Pivot
Schat_Harding_AS	MC	Survival_Craft	Lifeboat	TELB
Schat_Harding_AS	MCA	Survival_Craft	Lifeboat	TELB
Schat_Harding_AS	MCD	Survival_Craft	Lifeboat	Hyperbaric
Schat_Harding_AS	MCF	Survival_Craft	Lifeboat	TELB
Schat_Harding_AS	MCH	Survival_Craft	Lifeboat	TELB
Schat_Harding_AS	MCM	Survival_Craft	Lifeboat	TELB
Schat_Harding_AS	MCO	Survival_Craft	Lifeboat	TELB
Schat_Harding_AS	MCR	Survival_Craft	Lifeboat	TELB
Schat_Harding_AS	NDP	Davits	Gravity_davit	Normal Deck Pivot
Schat_Harding_AS	NT	Davits	Gravity_davit	Roller Track
Schat_Harding_AS	PAR	Davits	Gravity_davit	Normal Deck Pivot
Schat_Harding_AS	Patent	Release_gear	Conventional_hook	Off-load
Schat_Harding_AS	RSD	Winches	Hydraulic_winch	Hydraulic brake
Schat_Harding_AS	RT	Winches	Hydraulic_winch	Hydraulic brake
Schat_Harding_AS	SPLC	Davits	Gravity_davit	Normal Deck Pivot
Schat_Harding_AS	SPMOB	Davits	Gravity_davit	Slewing
Schat_Harding_AS	SRR	Davits	Gravity_davit	Slewing
Schat_Harding_AS	UDR	Davits	Hydraulic_davit	Telescopic
Schat_Harding_AS	UDSP	Davits	Hydraulic_davit	Telescopic
Schat_Harding_BV	08 EC	Winches	Mechanical_winch	Eccentric brake

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Schat_Harding_BV	08 EM	Winches	Mechanical_winch	Electro-magnetic brake
Schat_Harding_BV	08 HY	Winches	Hydraulic_winch	Hydraulic brake
Schat_Harding_BV	0-22	Winches	Mechanical_winch	Eccentric brake
Schat_Harding_BV	0-38	Winches	Hydraulic_winch	Hydraulic brake
Schat_Harding_BV	08-40	Winches	Mechanical_winch	Eccentric brake
Schat_Harding_BV	1-38	Winches	Hydraulic_winch	Combi mechanical/hydraulic brake
Schat_Harding_BV	16	Winches	Mechanical_winch	Band brake
Schat_Harding_BV	22	Winches	Mechanical_winch	Band brake
Schat_Harding_BV	24	Winches	Mechanical_winch	Band brake
Schat_Harding_BV	2-58	Winches	Mechanical_winch	Knott brake
Schat_Harding_BV	3-13	Winches	Hydraulic_winch	Combi mechanical/hydraulic brake
Schat_Harding_BV	3-22	Winches	Mechanical_winch	Knott brake
Schat_Harding_BV	3-38	Winches	Mechanical_winch	Knott brake
Schat_Harding_BV	3-58	Winches	Mechanical_winch	Knott brake
Schat_Harding_BV	3-70	Winches	Mechanical_winch	Knott brake
Schat_Harding_BV	38	Winches	Mechanical_winch	Knott brake
Schat_Harding_BV	Bridge	Davits	Gravity_davit	Fixed Arm (Outrigger)
Schat_Harding_BV	DDP	Davits	Gravity_davit	Roller Track
Schat_Harding_BV	FDA	Davits	Gravity_davit	Fixed Arm (Outrigger)
Schat_Harding_BV	FDAR	Davits	Gravity_davit	Fixed Arm (Outrigger)
Schat_Harding_BV	FFDA	Davits	Gravity_davit	Fixed Arm (Outrigger)
Schat_Harding_BV	FFDP	Davits	Gravity_davit	Normal Deck Pivot
Schat_Harding_BV	FFLS	Davits	FF_davit	FF A-frame
Schat_Harding_BV	FFND	Davits	Gravity_davit	Roller Track
Schat_Harding_BV	FFNT	Davits	Gravity_davit	Roller Track
Schat_Harding_BV	FFSS	Davits	FF_davit	FF A-frame
Schat_Harding_BV	HFFS	Davits	FF_davit	FF A-frame
Schat_Harding_BV	HHA	Davits	Hydraulic_davit	Deck pivot
Schat_Harding_BV	HP	Davits	Gravity_davit	Normal Deck Pivot
Schat_Harding_BV	LT	Davits	Gravity_davit	Roller Track
Schat_Harding_BV	MP	Davits	Gravity_davit	Multi Pivot
Schat_Harding_BV	ND	Davits	Gravity_davit	Roller Track
Schat_Harding_BV	NTP	Davits	Gravity_davit	Roller Track
Schat_Harding_BV	SAHL	Davits	Hydraulic_davit	A-Frame pivoting
Schat_Harding_BV	SAHP	Davits	Gravity_davit	Normal Deck Pivot
Schat_Harding_BV	SAP	Davits	Gravity_davit	Normal Deck Pivot
Schat_Harding_BV	SAT	Davits	Gravity_davit	Roller Track
Schat_Harding_BV	SDAL	Davits	Gravity_davit	Fixed Arm (Outrigger)
Schat_Harding_BV	SDAR	Davits	Gravity_davit	Fixed Arm (Outrigger)
Schat_Harding_BV	SHD	Davits	Gravity_davit	Slewing
Schat_Harding_BV	SPHC	Davits	Hydraulic_davit	Deck pivot

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Schat_Harding_BV	SRL	Davits	Gravity_davit	Slewing
Schat_Harding_BV	ST	Davits	Gravity_davit	Roller Track
Schat_Harding_BV	STP	Davits	Gravity_davit	Roller Track
Schat_Harding_BV	UDS(H)	Davits	Hydraulic_davit	Slewing
Schat_Harding_BV	UFDA	Davits	Gravity_davit	Fixed Arm (Outtrigger)
Schat_Harding_BV	VEHCL	Davits	Hydraulic_davit	Telescopic
Schat_Harding_GmbH	FFD	Davits	FF_davit	FF A-frame
Schat_Harding_GmbH	HF	Davits	Gravity_davit	Roller Track
Schat_Harding_GmbH	LD	Davits	Gravity_davit	Roller Track
Schat_Harding_GmbH	ORD	Davits	Gravity_davit	Fixed Arm (Outtrigger)
Schat_Harding_GmbH	GH	Winches	Mechanical_winch	Eccentric brake
Schat_Harding_Ltd	WFF	Survival_Craft	FF_Lifeboat	FFLB
Schat_Harding_Ltd	PE	Survival_Craft	Lifeboat	PELB
Schat_Harding_Ltd	CR	Survival_Craft	Lifeboat	Open
Schat_Harding_Ltd	FM	Survival_Craft	Lifeboat	Open
Schat_Harding_Ltd	MK I - MK V	Survival_Craft	Lifeboat	TELB
Schat_Harding_Ltd	Open A-X	Survival_Craft	Lifeboat	Open
Schat_Harding_Ltd	Atlas	Release_gear	RB_FRB_hook	Fall wire suspended
Schat_Harding_Ltd	MHW	Survival_Craft	Lifeboat	TELB
Schat_Harding_Ltd	Empress	Release_gear	Conventional_hook	Off-load
Schat_Harding_Ltd	Titan	Release_gear	Conventional_hook	Camshaft
Schat_Harding_Ltd	Titan FF	Release_gear	FF_hook	Camshaft
Schat_Harding_Ltd	MRT/MRD	Davits	Gravity_davit	Roller Track
Schat_Harding_Ltd	PROD	Not_applicable.	Not_applicable.	Not_applicable.
Schat_Harding_Ltd	Spartan	Release_gear	RB_FRB_hook	Fall wire suspended
Schat_Harding_Ltd	TMW	Winches	Mechanical_winch	Threaded sleeve
Schat_Harding_Ltd	WAR	Winches	Mechanical_winch	Threaded sleeve
Schat_Harding_Ltd	WOD	Davits	Gravity_davit	Fixed Arm (Outtrigger)
Schat_Harding_Ltd	WP	Davits	Gravity_davit	Normal Deck Pivot
Schat_Harding_Ltd	WRG	Davits	Gravity_davit	Roller Track
Schat_Harding_USA_Inc	GD	Davits	Gravity_davit	Normal Deck Pivot
Schat_Harding_USA_Inc	MKIV/MKV	Survival_Craft	Lifeboat	TELB
Schat_Harding_USA_Inc	EL	Survival_Craft	Lifeboat	TELB
Schat_Harding_USA_Inc	FME	Winches	Mechanical_winch	Eccentric brake
Schat_Harding_USA_Inc	GAN	Davits	Hydraulic_davit	Telescopic
Schat_Harding_USA_Inc	GP/GPD	Davits	Gravity_davit	Normal Deck Pivot
Schat_Harding_USA_Inc	HAS	Davits	Hydraulic_davit	Deck pivot
Schat_Harding_USA_Inc	MIR	Davits	Gravity_davit	Roller Track
SEC_Davits	ES	Winches	Mechanical_winch	Electro-magnetic brake
SEC_Davits	HT	Davits	Hydraulic_davit	Telescopic
SEC_Davits	OF	Davits	Gravity_davit	Fixed Arm (Outtrigger)
SEC_Davits	Suez	Davits	Hydraulic_davit	Slewing
SEC_Davits	WL	Winches	Mechanical_winch	Band brake

Make/OEM	Type	LSA	LSA Category	Generic Equipment Working Principle
Waterman	Open	Survival_Craft	Lifeboat	Open
Waterman	Tender	Survival_Craft	Lifeboat	Tender
Waterman	HRL	Survival_Craft	Lifeboat	Hyperbaric
Waterman	Deveser	Release_gear	Conventional_hook	Intermediate
Waterman	F A/B-type	Release_gear	Conventional_hook	Intermediate