



Safety for Life

North Sea Davit and Lifeboat Services Personal Certificate

Certificate Number: 2023-SNF

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Scope of certification:

Certification of an engineer to perform maintenance, thorough examination, operational testing, overhaul and repair of lifeboats and rescueboats, launching appliances and release gear on the makes and types (series) listed in this certificate.

Davit Services Holland BV / North Sea Davit and Lifeboat Services declares considering the requirements of:

- Solas '74, as amended, Regulation I/7 -I/8 and Chapter III, Regulation 20.11;
- IMO circular MSC.404(96) and MSC.402(96);
- The Netherlands Ship's Decree 2004, Art.14 and Art 40;

That the below mentioned engineer has been recognized as Certified Engineer for annual and five-yearly services on the equipment mentioned in NSDLS document "Makes & Types & Principles" by Davit Services Holland BV / North Sea Davit and Lifeboat Services, recognized as Authorized Service Provider by the Bahamas Flag, Dutch Flag, Liberia Flag and Panama Flag, incl. RO's; ABS, Bureau Veritas, CCS, ClassNK, DNV, Lloyd's Register, and RINA.

Engineer's name:
Sander Niels Fels

Certificate number:
2023-SNF

Certificate issue date:
16-1-2020

Certificate renewal date:
2-1-2023

Certificate expiry date:
2-1-2026

This certificate is proof that the engineer has successfully completed the NSDLS certification programme. All the engineer's relevant certification documents from NSDLS and OEM's are filed.

On behalf of Davit Services Holland BV / North Sea Davit and Lifeboat Services:

Erik Bank
Managing director



North Sea Davit and Lifeboat
Services BV
Hoefslag 5
4131ME Vianen
www.nsdls.nl



OEM	Brand today	Category	Type / Series of equipment		
A Rim Machinery	A Rim Machinery	LaunchingAppliance	AHA		
			AREH		
			ARPV		
			LRBD		
			RBD		
			RLD		
Acebi	Acebi	LaunchingAppliance	AF		
			AHV		
			GRA		
			PF		
			PFDK		
			PFDS		
			RRP		
			SPG		
			TC		
			TP		
			TPC		
			TPF		
			TPU		
					Lifeboat
			PELB		
			TELB		
		Winch	TBE		
Acta	Palfinger	LaunchingAppliance	DC		
			DR		
			HSC		
			MOB		
			HHC		
		Winch	KNT		
Adler	Adler	Winch	WH		
A-Tech	A-tech	LaunchingAppliance	Single arm slewing		
		Winch	Electric hoisting gravity lowering		
Bada	Bada	LaunchingAppliance	BD(F)A		
			BDA		
			BDF		
			BDH		
			BDL		
			BDR		
			BDTD		
			BDTW		
			BFRD		
					ReleaseGear
			BHR		
		Winch	BRW		
			FHW		
			RLD		
Balden	Balden	Lifeboat	LBC(T)2		
			FFC(T)		
				ReleaseGear	BD-HR
					BD-LBHR
				Rescueboat	FRB
			BD-R		
Beiyang Boatbuilding	Palfinger	Lifeboat	TECB		
BHM Marine	BHM Marine	LaunchingAppliance	F type		
Bianchi and Cecchi (BC Service Europe)	Bianchi and Cecchi (BC Service Europe)	ReleaseGear	U-Hook		
Bijisma	Bijisma	LaunchingAppliance	BT		
Boomeranger	Boomeranger	Rescueboat	600		
			850		

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OEM	Brand today	Category	Type / Series of equipment
Boomeranger	Boomeranger	Rescueboat	1000
			C-500
			650
			740
			810
Bryne	Bryne	Winch	D
			H
Caley Ocean Systems	Caley Ocean Systems	LaunchingAppliance	Davit
Davit Company	Palfinger	Winch	LaunchingAppliance
			...EP
			08
Davit International Hische	Davit International Hische	LaunchingAppliance	FME
			C-F
			C-L
			C-S
			D-BC
			D-BR
			D-CF
			D-CL
			D-CR
			D-CRm
			D-CS
			D-F
			D-FG
			D-FH
			D-FO
			D-FP
			D-ND
			D-NP
			D-NPS
			D-NPS_SP
			D-RB
			D-RC
			D-RT
			D-RTT
			D-SR
			D-TF
			D-TT
D-WP			
		ReleaseGear	RH
			OLH
			OLRH
		Winch	01
			02
			03
			04
			06
			07
			10
12			
18			
26			
40			
			ZR
Deutsche Schlauchboot (DSB)	Survitec	Rescueboat	DSB 420
			DSB-3.9
			DSB-4.3
			DSB-470

OEM	Brand today	Category	Type / Series of equipment
Deutsche Schlauchboot (DSB)	Survitec	Rescueboat	DSB-5.1
			DSB-530
			DSB-6.5
			IRB
Deyuan Marine	Deyuan Marine	ReleaseGear	31-37KN
Dongnam	Dongnam	LaunchingAppliance	DHGD
			DLR
			DSAD
			HGD
			LBD
			LR
			LRBD
			LRD
			Winch
			DHC
			DHGD
			DLB
			DLBW
DLR			
HGD			
HGW			
HLW			
LBW			
TLR			
Dongwoo	Dongwoo	LaunchingAppliance	DBD
			DWS
			LBD
			Winch
			DWS
			HP
			LW
Dreggen	Palfinger	LaunchingAppliance	DK
DSB Engineering	DSB Engineering	LaunchingAppliance	DSB-ARH
			DSB-DF
			DSB-DL
			DSB-DP(Y)
			DSB-DR
			DSB-DRE
			DSB-DTL
			DSB-DYL(B)
			DSB-PL
			DSB-PRL
			DSB-R
			Rescueboat
			DSB-R
			DSB-RA
DSB-RB			
DSB-RC			
DSB-RFA			
DSB-RFB			
Esvagt	Esvagt	Rescueboat	MOB ALU 460
Fama	Ulstein Fama	LaunchingAppliance	ZO
Fassmer	Fassmer	LaunchingAppliance	FFH
			FHD
			FHDY
			FLR
			FMPD
			FOD
			FOSV
			FPD
			FSAH

Approved LSA station by:

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OEM	Brand today	Category	Type / Series of equipment
Fassmer	Fassmer	LaunchingAppliance	FSAR
			FSARR
			PRHE
		Lifeboat	CFL
			CFL-C
			CFL-T
			CL-C
			CL-P
			CLR-C
			CLR-T
			CL-T
			CLX
			GAR
			GAR-T
			GMR
			PLL
			PLT
			SEL
			SFB
			TGMR
		TL	
		ReleaseGear	Duplex
			FFRU
			FOH
		Rescueboat	RRH
			FR
			FRIR
			FRR
		Winch	RIR
			RR
DEW			
FFWH			
FWD			
Fassmer Marland	Fassmer Marland	LaunchingAppliance	FDW
			FFH
			FLR
		FMAH	
		FPD	
		FSAR	
		FSARR	
		SRH	
		Lifeboat	CFL-C
			CFL-T
			CLR-C
			CLR-T
			Dragon
			GAR
			GAR-T
		GMR	
		GMR-T	
		HH	
		ReleaseGear	Duplex
			Freefall
Rescueboat	HH		
	FRR		
	RR		
	RRH		
Winch	D52		

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OEM	Brand today	Category	Type / Series of equipment
Fassmer Marland	Fassmer Marland	Winch	DEW
			DW
			FFW
			FFWH
			FW
			MW
			RZ
Gepa	Gepa	Lifeboat	G-F
			G-F...K
			G-F...YK
			G-FFF
			G-GSB
		ReleaseGear	Freefall
			G-K1
			G-K2
		Rescueboat	G-FRB
			G-RB
Global Davit	Global Davit	LaunchingAppliance	Fhs
			Fhs.L
			Fhs.L.S
			Fhs.R.L
			Fhs.R.L.S
			Fhs.R.S
			Fhs.S
			Glp.FLh
			Glp.FP
			Glp.FPh
			Glp.MP
			Glp.RT
			Glp.TTh
			Gsp.FLh
			Gsp.FP
			Gsp.FPh
			Gsp.MP
			Gsp.O
			Gsp.RT
			Gsp.TTh
			Lgp
			Lmes.S
			Lml
			Lms
			Lms.S
			Rhp
			Rhp.HC
			Rhs
			Rhs.HC
			Rhs.L
Rhs.L.S			
Rhs.S			
Rht			
Rmes.L.S			
Rmes.S			
Rms			
Rms.L			
Rms.L.S			
Rms.S			
Rsp.O			
		ReleaseGear	HR

OEM	Brand today	Category	Type / Series of equipment	
Global Davit	Global Davit	ReleaseGear	HRL	
			HRN	
		Winch	W	
			W...S	
			W...E	
			W...HC	
			W...L	
			W...M	
			W...R	
Greben	Greben	LaunchingAppliance	12/4.6	
			GD	
			HD	
			HFF	
			LRD	
			PD	
			PGD	
			R2	
			RL / C	
			RLP	
			12/4.2	
			PROMAC	
			...EL	
		LC		
		PH		
		Lifeboat	PEL	
			TEL	
			FFL (FP)	
			ReleaseGear	NLH
				Rescueboat
Winch	RB			
	4			
	EW			
	HW			
	TSW			
Gürdesan	Gürdesan	LaunchingAppliance	GD.FFD	
			GD.KHK	
			GD.RR(S)	
		Winch	GD.FLW	
			GD.KV	
			GD.PR	
			GH	
Haean Machinery	Haean Machinery	LaunchingAppliance	HHD	
			LR	
		Winch	PV	
			RB	
Hagglunds Marine	MacGregor	LaunchingAppliance	...P	
			TE	
Harding	Palfinger	Winch	10T	
			LaunchingAppliance	HDRT
		JYR		
		JYRC		
		LA		
		NDP		
		NPD		
		NPDL		
		NPDS		
		NPWD		
NRD				
NRDS				

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OEM	Brand today	Category	Type / Series of equipment	
Harding	Palfinger	LaunchingAppliance	NTD(S)	
			VIP	
		Lifeboat	CTL	
			FF	
			MCB	
			MCF	
			MCM	
			MOB	
			MPC	
			WFF	
			ReleaseGear	ARH
				CAR 35
				FF
				H86M
				JX-1
				KH
				LH
		LHR		
		RH3.7		
		RRH		
		Rescueboat	Watercraft freefall	
			Patent gr. I	
			MOB	
			Winch	08
				CW
				EW
				FME
				HDEW
				HW
				LW
NW				
OW				
RSD				
RWH				
SH AS				
W				
Hatecke	Hatecke	LaunchingAppliance	DFR	
			DFR PAL	
			DR	
			FFA	
			FFA LP	
			FFB	
			Gsp.O	
			GspFP	
			Gxp.FLH	
			Lifeboat	GFF
				GFF-T
				GSAR
				GSL
		GSL-T		
		PEL		
		PL		
		ReleaseGear	Duplex	
			GFF-R	
			Hydraulic	
			Rafti	
Simplex				
FRB				
Rescueboat				

OEM	Brand today	Category	Type / Series of equipment	
Hatecke	Hatecke	Rescueboat	RB	
		Winch	W	
Heila	Heila	LaunchingAppliance	HLM	
			HLRM	
Heinrich A. Schröder	Heinrich A. Schröder	LaunchingAppliance	HDCC	
		Winch	HDCC	
Hengxin China	Hengxin China	LaunchingAppliance	D	
			DW	
			DZB	
			FH	
			GL	
			HDC	
			HE	
			LB	
			LFR	
			PD	
			SA	
			SAR	
			SARC	
			SRH	
		Lifeboat	BCC	
			BCF	
			BCFC	
			BCFF	
			BJ	
			FL	
			Rescueboat	FRH65Q
				GJ-4.0M
Henriksen	Henriksen	ReleaseGear	HCH	
			HCH(T)	
			HLH	
			HMKG	
			HMKST	
Holland Lifeboats	Holland Lifeboats	Lifeboat	HRH	
			TELB	
Hydamarine	MacGregor	LaunchingAppliance	HMC	
			HMD	
		Winch	23	
			GA	
Hydralift	Hydralift	LaunchingAppliance	H	
			HL	
			KMCVT	
		Winch	MCV	
			HL	
			KMCVT	
Hydramaskin	MacGregor	LaunchingAppliance	MCV	
			HD	
		Winch	HMD	
Hydraulik und Maschinenbau (HMB)	Hydraulik und Maschinenbau (HMB)	LaunchingAppliance	HMW	
			BC	
			HL	
Hydro-Conrol	Hydro-Conrol	LaunchingAppliance	Provision	
			Rescue-Kran	
Hyundai	Hyundai	LaunchingAppliance	HC	
Hyundai	Hyundai	LaunchingAppliance	BD	

OEM	Brand today	Category	Type / Series of equipment	
Hyundai	Hyundai	LaunchingAppliance	FF	
			Lifeboat	HD
				HDFN
		HDL		
		HLB		
		Talon		
		Talon II		
		ReleaseGear	TITAN	
			TOR	
			Rescueboat	HDFR
				HDR
				HLB
Winch	FF			
	REV			
Imatrans	Imatrans	LaunchingAppliance	HEB	
INI Hydraulik	INI Hydraulik	Winch	IVY	
			IYJ	
International Marine Tech (IMT)	International Marine Tech (IMT)	LaunchingAppliance	Manually driven	
			Raft davit	
Ishihara	Ishihara	ReleaseGear	I.H.M.	
Jiangsu Jiangyin Chengjiang	Jiangsu Jiangyin Chengjiang	LaunchingAppliance	5t/10.5	
			CJ	
		Winch	5t/10.5	
CJ				
Jiangsu Jiaoyan Marine	Jiangsu Jiaoyan Marine	LaunchingAppliance	JYA	
			JYF	
			JYGR	
			JYHG	
			JYL	
			JYLG	
			JYLR	
			JYP	
			JYR	
			JYR(H)	
		JYRC		
		Lifeboat	JYRH	
			JY-BF	
			JY-FF	
			JY-FN	
			JY-QFN	
			JY-QFP	
			JYM-FN	
GTR				
ReleaseGear	JX-2			
	JX-4			
	JX			
	JXN-3			
Rescueboat	GJ			
	GZ			
	JY-GZ			
Winch	FW			
	JYW			
	JYRZ			
	JYWP			
Jiangyin Neptune	Jiangyin Neptune	LaunchingAppliance	NPT	
			NPT 18/27DR	
			NPT 60/85/138/170/200DL	
			NPT 85/138/185/200 PL110 -DP	

OEM	Brand today	Category	Type / Series of equipment	
Jiangyin Neptune	Jiangyin Neptune	LaunchingAppliance	NPT BEC	
			Lifeboat	
			NPT-C	
			NPT-F	
			NPT-FA	
			NPT-FC	
			NPT-FCA	
			NPT-FF	
			NPT-FFA	
			NPT-P	
			NTP-PT	
			ReleaseGear	JXN
				NPT
	Rescueboat	NPT		
	Winch	DW		
		R3DW		
Jiangyin Norsafe	Jiangyin Norsafe	LaunchingAppliance	HD	
			Lifeboat	GES
			JYN	
			ReleaseGear	HK
				TOR
			Rescueboat	JYN
				Neptune
	Winch	HD		
Jiangyin Vanguard	Jiangyin Vanguard	Lifeboat	INI IYJ	
				VG
			W-FV	
			ReleaseGear	HK
				TOR
			Rescueboat	VG-DR
				VG-FRK
		VG-FRW		
		VG-KR		
Jiangyin Wolong	Jiangyin Wolong	LaunchingAppliance	GL	
			JY LE	
			JY-FH	
			JY-HE	
			JY-HSR	
			JY-LFR	
			JY-LRHE	
			JY-PL	
			JY-PLR	
			JY-RE	
			JY-SA	
			JY-SAF	
			JY-SAP	
		JY-TBD		
			JY-WLTBD	
			Lifeboat	JY-C
				JY-CA
				JY-CF
				JY-F
				JY-FA
				JY-FF
				JY-K
				JY-P
		JY-SC		
	ReleaseGear	FHK		
		HK		

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OEM	Brand today	Category	Type / Series of equipment	
Jiangyin Wolong	Jiangyin Wolong	ReleaseGear	JXN-1B	
			JY-LB35	
		Rescueboat	JY 40-42KR	
			JY-DR	
			JY-KR	
			14KN	
		Winch	21KN	
			FH	
			JY-D	
			JY-RW	
Jiangyin Xinjiang	Jiangyin Xinjiang	LaunchingAppliance	FFH	
			JYF	
			JYL	
		JYR		
		Lifeboat	JY-FF	
			JY-FN	
			JY-GTC	
			JY-QFN	
		ReleaseGear	JY-QFP	
			JX-1	
			JX-1B	
		Rescueboat	JXN-1B	
			KH	
			GJ	
			JY-QFP	
			Winch	Hydraulic
				JYF
				JYL
				JYR
			JYW	
Jiangyingshi Beihai LSA Co. LTD.	Jiangyingshi Beihai LSA Co. LTD.		LaunchingAppliance	BGP
		BH		
		BHGH		
		BHGP		
		EHRD		
		ESAD		
		FA		
		FRH		
		HB		
		LA		
		LB		
		PD		
		RB		
		RH		
		SA		
		SAC		
		SRH		
		Lifeboat	JYB-C	
			JYB-FC	
			JYB-FF	
ReleaseGear	HK			
	JXN-1B			
	JYBHK			
Rescueboat	JYB			
	SC			
	14KN			
Winch	21KN			
	25KN			

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OEM	Brand today	Category	Type / Series of equipment
Jiangyingshi Beihai LSA Co. LTD.	Jiangyingshi Beihai LSA Co. LTD.	Winch	30KN
			35KN
			BGP
			BHGH
			BHGP
			D
			DW
			EHRD
			ESAD
			FA
			FRH
			FW
			HB
			IYJ
			JYBW
			LA
			LB
			PD
			RB
			SRH
Kang Nam	Kang Nam	Lifeboat	GTB
KGW	KGW	LaunchingAppliance	RIP
Kyortsu Kikai	Kyortsu Kikai	LaunchingAppliance	DBZ
			FEL
		Winch	LAF
			DBZ
			FEL
			LAF
LSA Service	LSA Service	ReleaseGear	250-T25
			H
MacGregor	MacGregor	LaunchingAppliance	BPK
			HL
			HMD
			KD
		Winch	PK
			BPK (ZHP)
			HL
			HMD
			PK
Mad Rock	Mad Rock	ReleaseGear	ROCLOC
Makishinko	Makishinko	Winch	VX
Manabe	Manabe	LaunchingAppliance	BDC
		Winch	BDW
Mansei	Mansei	LaunchingAppliance	ABD
			AH
			AT
			AV
			CM
			D-FH
			EBD
			EH
			EHR
			EM
			ET
			EV
			M
			MFH
			MVD

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OEM	Brand today	Category	Type / Series of equipment		
Mansei	Mansei	LaunchingAppliance	R		
			RD		
			S		
			SR		
			MFE		
		ReleaseGear	SRE		
			FF		
			RH		
			Winch	06	
				ABD	
		ABW			
		AL			
		AW			
					BE
					CMW
					D-FH
					EBW
					EL
					ERW
					EW
			FW		
			JYW		
			LBH		
			MLW		
			MW		
			RBH		
			RMW		
			SW		
			WD		
Mare Safety	Mare Safety	Rescueboat	GTC 700		
Marinekran	Marinekran	LaunchingAppliance	HMC		
			MKG		
Mariner	Mariner	LaunchingAppliance	MGM		
Maritime Deck Machinery (MDM)	Maritime Deck Machinery (MDM)	LaunchingAppliance	CM		
			W		
Maritime Partner	Maritime Partner	Rescueboat	Alusafe 700		
			Seabear		
			Springer		
			Weedo		
Mills	Palfinger	ReleaseGear	TITAN		
Miura	Mansei	LaunchingAppliance	GRA		
			MVD		
			SAR		
			SP		
		Winch	BE		
			BH		
			LBH		
			RBH		
			BA		
Mulder & Rijke	Palfinger	Lifeboat	PELB		
			TELB		
		Rescueboat	FLAT		
Nadiro	Viking	ReleaseGear	DIB		
Nanjing Dongsheng	Nanjing Dongsheng	LaunchingAppliance	Drop in ball		
			AR		
			JY		
		Winch	DZY		
NHE					

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OEM	Brand today	Category	Type / Series of equipment
Nanjing Dongsheng	Nanjing Dongsheng	Winch	SC
			YZ
Narwhal (Dayfer)	Narwhal (Dayfer)	Rescueboat	FRB-700
			SV-420
			SV-480
			SV-750
Navalimptianti	Navalimptianti	LaunchingAppliance	FOLS
			GDMPD
			LT
			NT
			SGHD
			SGSHD
			SPH
			SPSTD
			SRR
			UDR
			UDSP
			GDET
			SPTD-L
		SPTD-T	
		SPTD-R	
		ReleaseGear	ARH
		Winch	2
			3
			4
			8
	AW		
	EW		
	EWR		
	EWTHB		
	JYW		
	M		
	MW		
	RBEW		
	REW		
	RMW		
	SDHW		
	SPTD		
	DG-HW		
Ned-Deck Marine (NDM)	Palfinger	LaunchingAppliance	FFH
			FPG
			PBR
			PF
			PRH
			PRHE
			SCH
		SCM	
		SCT	
		ReleaseGear	CAR 35
Winch	04		
	15		
	63-21		
	W3		
	WL		
Neuvisa	Neuvisa	Rescueboat	RR
Ningbo New Marine (Fairdale)	Ningbo New Marine (Fairdale)	LaunchingAppliance	NMPL
		Lifeboat	NM
		ReleaseGear	HK

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OEM	Brand today	Category	Type / Series of equipment
Ningbo New Marine (Fairdale)	Ningbo New Marine (Fairdale)	Rescueboat	RB
			RV-FRC
		Winch	NMDP
NMF	MacGregor	LaunchingAppliance	BPK
			KD
Nor Davit	Palfinger	LaunchingAppliance	SDP
		Winch	E
			L
Noreq	Palfinger	LaunchingAppliance	JYL
			NPD
			NPDL
			NPDS
			WPTC
		Lifeboat	LBF
			LBT
			LBP
		ReleaseGear	JX-2
		Rescueboat	FRB
			RRB
	Winch	JYW	
		NW	
Norlift	Norlift	LaunchingAppliance	GPH
NorMar	NorMar	Lifeboat	Freefall
			LBT
			PELB
			TELB
		ReleaseGear	Freefall
			JX-1
			JX-4
		Rescueboat	R
			Rescue 500
			Rescue 425
		Norsafe	Viking
	C		
	D		
	E		
	GRA		
	H		
	HD		
	LH		
	LHD		
	LHP		
	ND		
	NDA		
	NDC		
	NDSC		
	NDSC-R		
	NRB		
	NRC		
	NRC-R		
	SPGL		
	SW		
	Lifeboat	E-GES	
		Evolution	
		GES MK1	
		GES MK2	
		GES MK3	
		JYN MK1	

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OEM	Brand today	Category	Type / Series of equipment	
Norsafe	Viking	Lifeboat	Maggie	
			Maria	
			Mathilda	
			Maud	
			Maxima	
			Metis	
			Mina	
			Minima	
			Miriam	
			ReleaseGear	K4-D
		Nadiro drop in ball (DIB)		
		NFFH		
		RCH		
		SIM		
		TOR Mk2		
		Rescueboat		Magnum
				Mako
				Matrix
				Maya
			Merlin	
Midget				
MOB				
Munin				
Narwhal FRB				
Narwhal SV				
Winch	RIR			
	RR			
	DS			
	DW			
	IYJ			
	NW			
	NWR			
	ZR			
Oriental	Oriental	LaunchingAppliance	DHA	
			DMA	
			FD	
			HGD	
			HGK	
			LD	
			MO	
			RD	
			RTD	
			SHS	
		HPC		
		Winch	BWE	
			LDW	
			MO	
			RD	
RDW				
Palfinger	Palfinger	LaunchingAppliance	SWE	
			WL	
			C	
			DCR	
			DR	
			FAD	
			FDA	
FFH				
			FFL	

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OEM	Brand today	Category	Type / Series of equipment
Palfinger	Palfinger	LaunchingAppliance	Fixed outrigger
			FPG
			FRP
			GFFS
			GP
			GRA
			GT
			HDRT
			HF
			HFFS
			HP
			HR
			HS
			HSC
			HT
			JYF
			JYR
			LA
			LAR
			LS
			MOB
			MOB/SHD
			MOB/SRR
			MP
			MS
			MT
			NPD
			NPDL
			NPDS
			NPWD
			NRD
			NRDS
			NSK
			NT
			NTD(S)
			NTP
			OF
			OPD
			ORD
			PAR
			PBR
			PC
			PD
			PFH
			PRHE
			R
			RD
			RSD
			SA
			SAC
			SAP
			SB
			SCH
			SCM
			SCT
			SDP
			SHD
			SHE

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OEM	Brand today	Category	Type / Series of equipment
Palfinger	Palfinger	LaunchingAppliance	SPB
			SPD
			SPFRM
			SPG
			SPLC(H)H
			SPLDH
			SPMOB
			SPR
			SRR
			ST
			UDR
			UDSP
			UNIC
			VIP
			WPTC
		Lifeboat	363
			372
			374
			378
			382
			391
			393
			361
			B
			CTL
			EL
			FF
			KISS
			LA
			LBF
			LBT
			MC
			MCB
			MCF
			MCM
			MKV
			ML
			MPC
			MR
			NPT
			PELB
			SP
			TECB
			TELB
			WFF
			WH
		ReleaseGear	ARH
			CAR
			FF
			FFH
			Freefall
			H
			H86
			HK
			JX-1
			JX-2
			JX-4
			JX-5

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OEM	Brand today	Category	Type / Series of equipment
Palfinger	Palfinger	ReleaseGear	JXN
			KH
			LH
			LHR
			MILLS/TITAN
			RH
			RRH
			TITAN
			TOR
			CAR-F
		Rescueboat	4,9 M
			FRB
			FRSQ
			MOB
			RB
			RIBSEA
			RRB
			RSQ
			SPURT
			Stinger
		Winch	2
			3
			4
			14
			15
			16
			18
			22
			24
			38
			58
			63
			78
			2065
			0-13
			02
			04
			08
			08KNT
			1-13
			16KNT
			BE
			BO
			CW
			DS
			DW
			E
			EB
			EBR
			EP2
			EPB
			EW
			FM
			FME
			HD
			IYJ
			JYW
			L

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OEM	Brand today	Category	Type / Series of equipment		
Palfinger	Palfinger	Winch	LA		
			LD		
			LW		
			MW		
			NP		
			NW		
			RSD		
			RWH		
			S		
			SH		
			TW		
			W		
			WL		
WP					
ZR					
Peck & Hale	Peck & Hale	ReleaseGear	H44		
Pellegrini	Pellegrini	LaunchingAppliance	30		
			GRA		
		Winch	SALP		
			VAS		
Pesbo	Pesbo	ReleaseGear	PSC		
Qingdao Beihai	Qingdao Beihai	LaunchingAppliance	BD-AR		
			BD-FA		
			BD-FF		
			BD-PL		
			BD-SA		
					LB
				Lifeboat	BH-8
					BH-A
					BH-AD
					BH-B
					BH-F
					BH-K
					BH-S
					BH-SA
					BH-XL
					BH-XLAD
				ReleaseGear	BG
					BH-F
					BHHOOK
				Rescueboat	BH-DOLPHIN
					BH-HR
					BH-R4
					BH-R4A
		Winch	BW-LL		
			BW-S		
			BW-SC		
			DP		
			IYJ		
Sanoyas	Sanoyas	LaunchingAppliance	SFB		
		Lifeboat	F.R.P.		
			G		
Sasebo	Sasebo	LaunchingAppliance	RB		
Schat Davits	Palfinger	LaunchingAppliance	FAD		
			FFL		
			FRP		
			LAR		
			MP		

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OEM	Brand today	Category	Type / Series of equipment	
Schat Davits	Palfinger	LaunchingAppliance	NSK	
			PBM	
			SA	
			SPG	
			SPLC(H)H	
			SPMOB	
			SPR	
			SRR	
			Winch	...EB
			0-13	
			2-22	
			3-22	
3-38				
3-58				
Schat Harding	Palfinger	LaunchingAppliance	LA	
			LS	
			MOB/SHD	
			MOB/SRR	
			NDP	
			NT	
			NTP	
			SA	
			SAC	
			SAP	
			SPMOB	
			SPR	
			UDSP	
			UNIC	
			VIP	
		ReleaseGear	ARH	
			CAR 35	
			FF	
			H86M	
			JX-1	
			KH	
			LH	
			LHR	
			RH3.7	
			RRH	
			Watercraft freefall	
			Winch	...EP
				...EPB
				BE
				EW
FM				
FME				
HDEW				
HW				
LA				
LW				
RSD				
RWH				
W				
SEC	Palfinger	LaunchingAppliance		GP
				GT
			HP1	
			HP2	
			HS	

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OEM	Brand today	Category	Type / Series of equipment	
SEC	Palfinger	LaunchingAppliance	HT	
			MS	
			MT	
			OF	
		Winch	BWF	
			FR	
			WL	
			WP	
			WW	
Sekigahara	Sekigahara	LaunchingAppliance	HGD	
			SFA	
			SFB	
			SFS	
			SHN	
		SHS		
		SJS		
		Winch	BWE	
			SFB	
			SNW	
			SW	
			SWE	
			Z	
Sekwang Marine	Sekwang Marine		LaunchingAppliance	SK
				Winch
		Winch	INP	
			NB	
Servo Ship	Servo Ship	LaunchingAppliance	Rescue boat (and raft) crane	
			ReleaseGear	
		Winch	1100	
			238	
Sezamor	Sezamor	LaunchingAppliance	ZLW	
			ZZ-ZLJ	
			ZZ-ZOL/P/T	
			ZZ-ZOT/P/A	
			ZZ-ZUZW	
			ZZ-ZZLJ	
		ReleaseGear	HL	
			HLR	
			HS	
			Winch	E
				ED-BW
				ER
				WL / LW
WLT				
WT				
Shanghai Hengyuan Marine Equipment	Shanghai Hengyuan Marine Equipment	LaunchingAppliance	SAFC	
			Winch	
Sheyangsaifute Marine	Sheyangsaifute Marine	LaunchingAppliance	Electric Rescue Boat Winch	
			21 kN	
			55 kN	
			Freefall	
		Winch	Rescueboat crane	
			SFT	
			21KN	
			55KN	
Shigi Shipbuilding	Shigi Shipbuilding	Lifeboat	SFT	
			FEL	
			SRS	

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OEM	Brand today	Category	Type / Series of equipment
Shigi Shipbuilding	Shigi Shipbuilding	Lifeboat	SZ
		ReleaseGear	SRS
			SZK
Shin Myung	Shin Myung	Rescueboat	VOX
		LaunchingAppliance	DLR
			Liferaft davit
			Rescueboat davit
			SMDLR
		Winch	DLR
			Liferaft davit
			Rescueboat davit
			SMDLR
Sportis	Sportis	Rescueboat	S
			S-FRB
			S-K
			SLR
SPP Shipbuilding Co. LTD.	SPP Shipbuilding Co. LTD.	LaunchingAppliance	SBD
		Winch	LW
Stocznia Ustka	Stocznia Ustka	LaunchingAppliance	HZ
			PZ
		Lifeboat	FFB
		Rescueboat	FRB
			R
			RIB
			RF
Survitec	Survitec	Winch	W
			WLZ
		Lifeboat	SC
			SC-C
			SC-F
			SC-FC
			SC-FCA
			SC-FF
			SC-FFF
		ReleaseGear	Safelaunch
			SLA
		Rescueboat	DSB 3.9 SR
			DSB 4.2 SR
	DSB 420		
	DSB 470		
	DSB 5.1 SR		
	DSB 520		
	RIBO 340		
	RIBO 450		
	RIBO 600		
	SC-R		
	SC-RA		
	SC-RB		
	SC-RFA		
	SC-RFB		
Survival Craft Inspectorate	Survitec	LaunchingAppliance	SC
		Lifeboat	SC
			SC-C
			SC-F
			SC-FC
			SC-FCA
	SC-FF		
	SC-FFF		

OEM	Brand today	Category	Type / Series of equipment
Survival Craft Inspectorate	Survitec	ReleaseGear	Safelaunch
		Rescueboat	SC-R
			SC-RA
			SC-RB
			SC-RFA
			SC-RFB
Survival Systems International	Survival Systems International	Winch	SC
		LaunchingAppliance	Fixed outrigger
		Lifeboat	CA
			T5
		ReleaseGear	MT
			Suresafe
			Triple 5
			Winch
		W	
Technimpianti	Technimpianti	Winch	EW
Technomar	Technomar	LaunchingAppliance	TM 2000 Rescue
Thanner	Thanner	ReleaseGear	IRB
T-ISS	T-ISS	ReleaseGear	PX
			PX02
			PX03
Towimor	Towimor	LaunchingAppliance	DB
		Winch	WL
Tsuji Heavy Ind.	IKNOW Machinery	LaunchingAppliance	H
			TC (H)
Tsuji Marine	Tsuji Marine	Winch	EB
Tsuneishi	Tsuneishi	LaunchingAppliance	H
Tsuneishi Forestry	Tsuneishi Forestry	LaunchingAppliance	HL
			HR
TTS	MacGregor	LaunchingAppliance	HL
			HR
			HTL
Ulstein Fama	Ulstein Fama	LaunchingAppliance	ZO
			HL
			ZOS
			ZT
			Winch
Valiant	Valiant	Rescueboat	RB
Vanguard	Vanguard	LaunchingAppliance	DH
			HSD
			LE
			MSD
			PFH
			PL
			PLR
			PR
			PRH
			SRH
			VL
			VS
			Lifeboat
		VG-F	
		VG-FC	
	Rescueboat	VG-DRS	
		VG-FRK	
		VG-FRW	
		VG-KR	
Verhoef	Verhoef	LaunchingAppliance	FL

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OEM	Brand today	Category	Type / Series of equipment
Verhoef	Verhoef	LaunchingAppliance	Freefall
		Lifeboat	FL
		ReleaseGear	Twistlock
Vestdavit A/S	Vestdavit A/S	LaunchingAppliance	L
			PLR
			P
			PAP
		Winch	A
Viking	Viking	LaunchingAppliance	C
			A
			D
			E
			GRA
			H
			HD
			LH
			LHD
			LHP
			ND
			NDA
			NDC
			NDSC
			NDSC-R
			NRB
			NRC
			NRC-R
			SPGL
			SW
	Lifeboat	E-GES	
		Evolution	
		GES MK1	
		GES MK2	
		GES MK3	
		JYN MK1	
		Maggie	
		Maria	
		Mathilda	
		Maud	
		Maxima	
		Metis	
		Mina	
		Minima	
		Miriam	
		ReleaseGear	K4-D
			Nadiro drop in ball (DIB)
			NFFH
			RCH
			SIM
			TOR Mk2
		Rescueboat	Magnum
			Mako
			Matrix
			Maya
			Merlin
			Midget
			MOB
			Munin

OEM	Brand today	Category	Type / Series of equipment			
Viking	Viking	Rescueboat	Narwhal FRB			
			Narwhal SV			
			RIR			
			RR			
		Winch		470 GRP		
				DS		
				DW		
				IYJ		
				NW		
				NWR		
Wärtsila	Wärtsila	LaunchingAppliance	ZR			
			SV.BP.M			
			Watercraft	Palfinger	Lifeboat	MKV
						WHFRB
			Waterman	Palfinger	Lifeboat	351
						366
						368
						369
						371
						374
377						
378						
379						
382						
Welin	Welin	LaunchingAppliance	MGK			
			OGD (Overhead Gravity Davit)			
		Winch	WTK			
			MW (Motorized Boat Winch)			
Whittaker	Whittaker	Winch	WHFRB			
			Woo IL Heavy Machinery	Woo IL Heavy Machinery	LaunchingAppliance	Fixed Single Jib Slewing type
WTK	WTK	Winch	Rescueboat winch			
			BTK			
Wuxi Dongwu	Wuxi Dongwu	LaunchingAppliance	DW			
			Single Arm Boat / Raft Davit			
			DW-F			
Wuxi Hai Hong	Wuxi Hai Hong	Lifeboat	BH			
			BJ			
			HH-C			
			HH-CS			
			HH-FC			
			HH-FF			
			HH-T			
			HH-TS			
			Wuxi Huahai Marine	Wuxi Huahai Marine	Rescueboat	GJ
						LaunchingAppliance
HMC-H						
HMC-S						
HMD						
HMD-F						
HMD-L						
HMD-M						
HMD-P						
Wuxi Jiang Nan	Wuxi Jiang Nan	Lifeboat				HH
			Winch	MW		
Wuxi Mingzi	Wuxi Mingzi	LaunchingAppliance	25KN			
			ReleaseGear	15kN		
				21-25kN		
			31-37KN			

OEM	Brand today	Category	Type / Series of equipment	
Wuxi Shengou	Wuxi Shengou	LaunchingAppliance	HMD	
			SHMD	
			SMCE	
			SMD14	
			SMD23	
			SMD85	
Wuxi Shengou	Wuxi Shengou	ReleaseGear	150-T15	
		Winch	SMW	
Wuxi Xinsheng	Wuxi Xinsheng	ReleaseGear	XS15	
			XS21	
Yingpeng	Yingpeng	Winch	DJB	
Youngnam Machinery	Youngnam Machinery	LaunchingAppliance	HN	
		Winch	YNBD	
Yuksel Makina	Yuksel Makina	LaunchingAppliance	YM-FF/H	
			YM-RC/H	
Zhenjiang Hengxin	Zhenjiang Hengxin	LaunchingAppliance	21KN	
		Lifeboat	HX-FF	
		Rescueboat	4.5M	
			FRP	
Zhenjiang Marine	Zhenjiang Marine	LaunchingAppliance	D	
			FH	
			GA/L	
			GL	
			HDC	
			HDCL	
			HE	
			LE	
			PL	
			RE	
			SAF	
			SAFC	
			Lifeboat	Y
			YH	
Rescueboat	YH			
Winch	D			
DP				
DSB				
SW				
Zodiac	Survitec	Rescueboat	FRB	
			RIBO	
Zollern	Zollern	Winch	ZHP	
			ZR	