

Lloyd's Register Approved Service Supplier

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The above company having been assessed hereby receives approval in accordance with the requirements of Lloyd's Register Procedures for Approval of Service Suppliers as Supplier from the address(es) listed above for the provision of

Maintenance, thorough Examination, Operational Testing, Overhaul and Repair of Lifeboats and Rescue Boats, Launching Appliances and Release Gear

The service supplier is authorized to work on the makes and types shown in the attached Appendix A. For work performed on Italian flagged vessels, the service suppliers authorized to work on the makes and categories of equipment shown in the attached Appendix A, in accordance with the provisions set in decreto dirigenziale No. 321/2020 and in any relevant document issued by the flag State.

This approval is restricted to personnel directly employed by the Service Supplier. It does not cover agents, subcontractors or subsidiaries.

Service Supplier's personnel are certified in accordance with a recognised national, international or industry standard-ISO PAS23678.

The recognition is in accordance with Resolution MSC.402(96) Annex, Section 7 & 8 and IACS UR Z17 (rev. 14 March 2019).

Service engineers are to be provided with a valid Certificate, issued by this Approved Service Supplier, which defines their level of qualification and the scope of the certification (i.e. makes and types of equipment and specifically state which activities (e.g. annual thorough examination and operational tests; 5-year thorough examination, overhaul; overload operational tests; repairs) are covered by the certification). This Certificate should be made available when requested.

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This approval is conditional upon the Supplier maintaining the documented scheme as audited by any member of the Lloyd's Register Group and hereby approved; and notifying Lloyd's Register in writing of any change to that scheme including any change in personnel, equipment or procedures. This certificate is issued to the Supplier and, subject to the Supplier complying with the necessary conditions, is valid to the date referred to above.

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Appendix A

Attached to Certificate no.LR22137292AS

SURVIVAL CRAFT & RESCUE BOAT		
Type		
MAKE	MODEL/SERIES	CATEGORY
Acebi	TELB, PELB series	Partially enclosed, Totally enclosed, Twin fall
Avon	RB, SR series	Rescue boat, Single fall
Balden	BD-LB series	Totally enclosed, Twin fall
Dafer (Narwhal)	SV series	Rescue boat, Single fall
DSB Deutsche Schlauchboote	IRB series	Rescue boat, Single fall
DSB Engineering Co Ltd	DSBP series	Partially enclosed, Twin fall
DSB Engineering Co Ltd	DSBRFA series	Rescue boat, Single fall
DSB Engineering Co Ltd	DSBFC, DSBFF series	Totally enclosed, Free Fall
DSB Engineering Co Ltd	DSBC, DSBF series	Totally enclosed, Twin Fall
Fassmer	CL-P, PLL, PLT, SEL series	Partially enclosed, Single Fall
Fassmer	CFL, GAR series	Totally enclosed, Free Fall
Fassmer	CL, CLR, CLX, DRAGON, GMR series	Totally enclosed, Twin Fall
Fassmer	RR series	Rescue boat, Single fall
Gepa	G-RB series	Rescue boat, Single fall
Gepa	G-FYK series	Partially enclosed, Twin Fall
Gepa	G-FFF series	Totally enclosed, Free Fall
Gepa	G-FK series	Totally enclosed, Twin Fall
Greben	RB series	Rescue boat, Single fall
Greben	FFL series	Totally enclosed, Free Fall
Greben	TEL series	Totally enclosed, Twin Fall
Harding (UMO Schat Harding)	FF series	Totally enclosed, Free Fall
Harding (UMO Schat Harding)	MCB series	Totally enclosed, Twin Fall
Hatecke	GFF series	Totally enclosed, Free Fall
Hatecke	GSL series	Totally enclosed, Twin Fall
Hatecke	PEL series	Partially enclosed, Twin fall
Hatecke	RB series	Rescue boat, Single fall
Hoei Senpaku	HS series	Totally enclosed, Twin Fall
Hyunday	HDR series	Rescue boat, Single fall
Hyunday	HDL, HLB series	Totally enclosed, Twin Fall
Hyunday	HDFN-F, HDFN-T series	Totally enclosed, Free Fall
Japan Marine United Corp	GF, GTR series	Totally enclosed, Twin Fall
Jiangsu Jaoyan (Jiangyin Xinjiang F.R.P. Co., Ltd)	GJ, GZ series	Rescue boat, Single fall
Jiangsu Jaoyan (Jiangyin Xinjiang F.R.P. Co., Ltd)	JYFF series	Totally enclosed, Free Fall
Jiangsu Jaoyan (Jiangyin Xinjiang F.R.P. Co., Ltd)	JYQF series	Totally enclosed, Twin Fall
Jiangyin Neptune	NPT-C, NPT-F series	Totally enclosed, Twin Fall
Jiangyin Neptune	NPT-R, NPT-RA, NPT-RB, NPT-RFA series	Rescue boat, Single fall
Jiangyin Neptune	NPT-FC, NPT-FCA, NPT-FF series	Totally enclosed, Free Fall
Jiangyin Wolong	JYP series	Partially enclosed, Twin Fall
Jiangyin Wolong	JYCF series	Totally enclosed, Free Fall
Jiangyin Wolong	JYC, JYCA series	Totally enclosed, Twin Fall

Jiangyin Xingjang	GJ, GJ-B series	Rescue boat, Single fall
Jiangyin Xingjang	JY-FN series	Totally enclosed, Free Fall
Jangyin Behiai	JYB-B series	Partially enclosed, Twin Fall
Jangyin Behiai	JYB-C series	Totally enclosed, Twin Fall
Jangyin Behiai	JYB-FF series	Totally enclosed, Free Fall
Jangyin Behiai	JY-BR, SC-KR series	Rescue boat, Single fall
Mare Safety	RB series	Rescue boat, Single fall
Mulder & Rijke	TELB-S series	Totally enclosed, Single Fall
Mulder & Rijke	TELB series	Totally enclosed, Twin Fall
Narwal	SV series	Rescue boat, Single fall
Ned Deck	NPT series	Totally enclosed, Twin Fall
Ningbo Asia F.R.P. Boat Manufacturing Co. Ltd	BJ, YZ series	Rescue boat, Single fall
Ningbo Asia F.R.P. Boat Manufacturing Co. Ltd	YZC, YZF series	Totally enclosed, Twin Fall
Ningbo Asia F.R.P. Boat Manufacturing Co. Ltd	YZFC, YZFF series	Totally enclosed, Free Fall
Nishi	PML series	Partially enclosed, Twin Fall
Nishi	FF series	Totally enclosed, Free Fall
Nishi	EML, G series	Totally enclosed, Twin Fall
Noreq	LBF series	Totally enclosed, Free Fall
Noreq	RRB series	Rescue boat, Single fall
Noreq	LBT series	Totally enclosed, Twin Fall
Palfinger	RSQ series	Rescue boat, Single fall
Palfinger	CTL, MPC, NPT-T series	Partially enclosed, Twin Fall
Palfinger	FF, NPT-FC, NPT-FF series	Totally enclosed, Free Fall
Palfinger	KISS-C, KISS-T, NPT-C, NPT-F series	Totally enclosed, Twin Fall
Quingdao Beihai	BH-R series	Rescue boat, Single fall
Quingdao Beihai	BH-F series	Totally enclosed, Free Fall
Shigi	FEL series	Totally enclosed, Free Fall
Shigi	SZPR series	Partially enclosed, Twin Fall
Shigi	VOX46 series	Rescue boat, Single fall
Survitec	FF series	Totally enclosed, Free Fall
Survitec	SC series	Totally enclosed, Twin Fall
Survival Systems Int	CA series	Totally enclosed, Single fall
Tsuneishi	TI, KL series	Totally enclosed, Twin fall
Vanguard	VG-C, VG-F, VG-HLB series	Totally enclosed, Twin fall
Vanguard	VG-KR series	Rescue boat, Single fall
Viking (Norsafe)	GES, JYN series	Totally enclosed, Free Fall
Viking (Norsafe)	MAUD, MAGGIE, MAXIMA, MIRAM series	Totally enclosed, Twin fall
Viking (Norsafe)	MINIMA series	Partially enclosed, Twin fall
Viking (Norsafe)	MATRIX, MIDGET series	Rescue boat, Single fall
Waterman	351, 377 series	Totally enclosed, Twin fall
Waterman	393 series	Partially enclosed, Free fall
Wuxi Haihong	JG series	Rescue boat, Single fall
Wuxi Haihong	HH-CS, HH-TS series	Totally enclosed, Twin fall
Wuxi Haihong	HH-FC series	Totally enclosed, Free Fall
Zhenjiang Marine	YH-FRB series	Fast rescue boat, Single fall
Zhenjiang Marine	YH-FRA, YH-R series	Rescue boat, Single fall
Zhenjiang Marine	YH-DR, YH-QFP series	Totally enclosed, Twin fall

RELEASE GEAR		
Type		
MAKE	MODEL/SERIES	CATEGORY
Bada Heavy Industries	BHA series	Lift over centre automatic
Bada Heavy Industries	BHR series	Offload lift over centre
Balden	BD-LBH series	On load lift not over centre
Balden	BDHR series	Lift over centre automatic
BC Service	U Hook series	On load lift not over centre
Beihai	BG series	On load lift not over centre
Davit International	OLH series	Offload lift over centre
Davit International	RH series	Offload with onload capability
Fassmer	Duplex > 6t series	On load lift not over centre
Fassmer	Duplex < 6t series	On load lift not over centre
Fassmer	FFH series	Free fall hydraulic mechanical
Global Davit	HR series	Offload with onload capability
Global Davit	HRN series	Offload lift over centre
Greben	NLH series	On load lift not over centre
Harding	ARH series	Lift over centre automatic
Harding	FFH series	Free fall hydraulic mechanical
Harding	RRH series	Offload with onload capability
Hatecke	Duplex > 6t series	On load lift not over centre
Hatecke	Duplex < 6t series	On load lift not over centre
Hatecke	GFF series	Free fall hydraulic mechanical
Hatecke	Simplex series	Offload with onload capability
Henriksen	HCH, HMK series	Offload manual automatic
Hoi Senpaku Co. Ltd	HS series	On load lift not over centre
Hyunday	Talon MK1, Talon MK 2 series	On load lift not over centre
Jiangsu Jiaoyan (Jiangyin Xinjiang F.R.P. Co. Ltd)	JX-2 series	Free fall hydraulic mechanical
Jiangsu Jiaoyan (Jiangyin Xinjiang F.R.P. Co. Ltd)	JXN-3 series	Offload with onload capability
Jiangyin Neptune	PNHKG series	On load lift not over centre
Jiangyin Wolong	HK series	Offload with onload capability
Jiangyin Wolong	FHK series	Free fall hydraulic mechanical
Mansei	RH3 series	Lift over centre automatic
Ningbo Asia F.R.P. Boat Manufacturing Co. Ltd	HK series	On load lift not over centre
Nishi	IHM 12, IHM 13 series	On load lift not over centre
Palfinger	FFH series	Free fall hydraulic mechanical
Palfinger	RRH series	Offload with onload capability
Palfinger	CAR 35 series	Lift over centre automatic
Palfinger	CAR 35F series	Offload manual automatic
Palfinger	LHR MK1, LHR MK2 series	On load lift not over centre
Sezamor	HS series	Lift over centre automatic
Sezamor	HLR series	Offload lift over centre
Shigi	SRS, SZK5, SZK30 series	On load lift not over centre
Survitec	SafeLaunch series	On load lift not over centre
Survival Systems Int.	SureSafe, Triple 5, Triple 5 LX series	Onload lift over centre
Vanguard	C-SAFE, S series	Onload lift not over centre
Verhoef	Twistlock series	Free fall hydraulic mechanical

Viking / Norsafe	Nadiro D.I.B., Tor MK1, Tor MK2 series	Onload lift not over centre
Viking / Norsafe	GES series	Free fall hydraulic
Viking / Norsafe	K4 series	Fast rescue boat offload
William Mills	Titan series	Onload lift not over centre
Wuxi Xingsheng	Xs series	Lift over centre automatic

LAUNCHING APPLIANCE		
Type		
MAKE	MODEL/SERIES	CATEGORY
Abas	KDE, MDE series	Single arm slewing
Acebi	TPF series	Free fall hydraulic A frame
Acebi	A, AF, PF series	Gravity single and twin fall outrigger
Acebi	PFR, RRP, TPU series	Single arm slewing
Acebi	SPG series	Twin fall gravity pivoting luffing
Acebi	GRA series	Twin fall gravity rollertrack
Acebi	TPC series	Twin fall gravity pivoting luffing
Acebi	TPF series	Single fall hydraulic
Acta	DR, MOB series	Single arm slewing
Acta	HSC series	Free fall hydraulic A frame
Alexander Ryan	BH series	Gravity single and twin fall outrigger
Arim	AHA series	Twin fall gravity pivoting luffing
Arim	ARPV series	Single fall hydraulic
Bada Heavy Industries	BDF series	Free fall hydraulic A frame
Bada Heavy Industries	BDH series	Twin fall gravity pivoting luffing
Bada Heavy Industries	BDR series	Single arm slewing
Bianchi & Cecchi	PE, PET series	Gravity single and twin fall outrigger
Davit International	CRM series	Single arm slewing
Davit International	DFH series	Free fall hydraulic A frame
Davit International	D-FO series	Gravity single and twin fall outrigger
Davit International	D-NP, D-NP.MP series	Twin fall gravity pivoting luffing
Davit International	D-RT series	Twin fall gravity rollertrack
Davit International	D-TT.SP series	Single Twin fall telescopic hydraulic
Davit International	D-SP series	Twin fall gravity pivoting luffing
Denizsam	DSFDD series	Free fall hydraulic A frame
Denizsam	DSFRB series	Single fall hydraulic A frame
Denizsam	DSRBD series	Single arm slewing
Dongnam Marine Crane Co. Ltd	DGHD series	Twin fall graviting pivoting
Dongnam Marine Crane Co. Ltd	DSAD series	Single arm slewing
DSB Engineering Co. Ltd	DSBARH, DSB DP , DSBDR series	Single fall hydraulic A frame
DSB Engineering Co. Ltd	DSBDF series	Free fall hydraulic A frame
DSB Engineering Co. Ltd	DSBDL, DSB DTL, DSB DYL series	Twin fall gravity pivoting luffing

DSB Engineering Co. Ltd	DSB23DR series	Single arm slewing
Fassmer	FHD series	Free fall hydraulic A frame
Fassmer	FPD series	Twin fall hydraulic pivoting luffing
Global Davit	RHP, RHP.HC series	Single fall hydraulic A frame
Global Davit	GLP.FP, GLP.MP, GSP.FP, GSP.MP series	Twin fall gravity pivoting luffing
Global Davit	FHS, LMS, RMS, RHS series	Single arm slewing
Global Davit	GSP.O, RSP.O series	Single twin fall gravity outrigger
Global Davit	GLP.FLH, GLP.FPH, RHL, RHP series	Twin fall gravity pivoting luffing
Global Davit	RHS.L series	Single arm slewing
Greben	HFF series	Free fall hydraulic A frame
Greben	FOD series	Single twin fall gravity outrigger
Greben	SAR series	Single arm slewing
Greben	RLC series	Single fall hydraulic A frame
Greben	SPG series	Twin fall gravity pivoting luffing
Greben	GR-RTD series	Twin fall gravity rollertrack
Greben	GD-PD, HD series	Twin fall hydraulic pivoting luffing
Gurdesan	GD-FFD series	Free fall hydraulic A frame
Gurdesan	GD-KHK, GD-RSS series	Single arm slewing
Harding	ORD series	Single twin fall gravity outrigger
Harding	SPG series	Twin fall gravity pivoting luffing
Harding	FF series	Free fall hydraulic A frame
Harding	LA series	Free fall gravity
Harding	SRR series	Single arm slewing
Harding	SA series	Single fall hydraulic A frame
Iknow Machinery	HD series	Twin fall gravity pivoting luffing
Jiangsu Jiaoyan Marine Equipment	JYF series	Free fall hydraulic A frame
Jiangsu Jiaoyan Marine Equipment	JYGR series	Twin fall gravity rollertrack
Jiangsu Jiaoyan Marine Equipment	JYHG series	Twin fall gravity pivoting luffing
Jiangsu Jiaoyan Marine Equipment	JYP series	Single twin fall gravity outrigger
Jiangsu Jiaoyan Marine Equipment	JYR series	Single fall hydraulic A frame
Jiangyin Neptune Marine Appliance	NPT-DR series	Single arm slewing
Jiangyin Neptune Marine Appliance	NPT-DL, NPT-DP, NPT-DYL	Twin fall gravity pivoting luffing
Jiangyin Neptune Marine Appliance	NPT series	Free fall hydraulic A frame
Jiangyin Wolong F.R.P. Boat Co. Ltd	JY-FH series	Twin fall gravity pivoting luffing
Jiangyin Wolong F.R.P. Boat Co. Ltd	JYHE series	Twin fall gravity rollertrack
Jiangyin Wolong F.R.P. Boat Co. Ltd	JY-LFR, JY-LRHE, JY-PLR series	Single fall hydraulic A frame
Jiangyin Wolong F.R.P. Boat Co. Ltd	JYPL series	Twin fall gravity pivoting luffing
Jiangyin Wolong F.R.P. Boat Co. Ltd	JYSA	Single arm slewing
Jiangyinshi Beihai	FA series	Free fall hydraulic A frame
Jiangyinshi Beihai	FRH series	Single fall hydraulic A frame
Jiangyinshi Beihai	LB-H series	Twin fall gravity pivoting luffing
Jiangyinshi Beihai	SA, SAC, SMR series	Single arm slewing
Jiangyinshi Beihai	HB, RB series	Twin fall gravity rollertrack
Macgregor	HMD series	Single fall hydraulic A frame
Mansei	ABD, AH, AV, EH, EM, M series	Twin fall gravity pivoting luffing
Mansei	GRA series	Twin fall gravity rollertrack
Mansei	HER series	Single fall hydraulic A frame
Mansei	FE series	Free fall hydraulic A frame

Mansei	SAR series	Single arm slewing
Ned Deck Marine	FPG series	Single twin fall gravity outrigger
Ned Deck Marine	SCH, SCM, SCT, SEC series	Single arm slewing
Ned Deck Marine	PFH, PRH, PRHE series	Single fall hydraulic A frame
Ningbo Asia F.R.P. Boat Manufacturing Co. Ltd	L series	Twin fall gravity pivoting luffing
Ningbo Asia F.R.P. Boat Manufacturing Co. Ltd	YZF series	Free fall hydraulic A frame
Ningbo Asia F.R.P. Boat Manufacturing Co. Ltd	ZFDZ series	Single arm slewing
NMF	BPK series	Single arm slewing
Nor Davit	PL series	Single twin fall gravity outrigger
Nor Davit	SDP series	Twin fall gravity pivoting luffing
Noreq	NPD series	Twin fall gravity pivoting luffing
Noreq	NRD series	Single twin fall gravity outrigger
Oriental Precision	FD, FF series	Free fall hydraulic A frame
Oriental Precision	HDG series	Twin fall gravity pivoting luffing
Oriental Precision	RD, SHS series	Single arm slewing
Palfinger	NPT series	Twin fall gravity rollertrack
Palfinger	NPD, PFH series	Twin fall gravity pivoting luffing
Palfinger	SCH-R, SCM-L, SCM-R series	Single fall hydraulic A frame
Palfinger	VIP series	Twin fall gravity pivoting luffing
Palfinger	FF series	Free fall gravity
Palfinger	FPG series	Single twin fall gravity outrigger
Qingdao Beihai	BD-AR series	Single fall hydraulic A frame
Qingdao Beihai	BD-FF series	Free fall hydraulic A frame
Qingdao Beihai	BD-PL series	Single twin fall gravity outrigger
Qingdao Beihai	BD-PV series	Twin fall gravity pivoting luffing
Qingdao Beihai	BD-SA series	Single arm slewing
Redrock	RDA series	Single fall hydraulic A frame
Redrock	RDT series	Single twin fall telescopic hydraulic
Sekigahara	AT, STS series	Twin fall gravity rollertrack
Sekigahara	SF series	Free fall hydraulic A frame
Sekigahara	SFA, SFB, SFP, SHS series	Twin fall gravity pivoting luffing
Sezamor	ZZ-ZOL, ZZ-ZOT series	Single arm slewing
Shin Myung	SMRBD-SD, SMRBD-LRD series	Single arm slewing
Survival Systems Int	PL series	Single twin fall gravity outrigger
Tsuji Heavy Industries	H series	Twin fall gravity pivoting luffing
Tsuji Heavy Industries	RP series	Single arm slewing
Tsuji Heavy Industries	TC, T83 series	Twin fall gravity rollertrack
Vanguard	PL series	Single twin fall gravity outrigger
Vanguard	HS, MS, VS series	Single arm slewing
Vanguard	DH, PR, PRH series	Single fall hydraulic A frame
Vanguard	PFH, SRH series	Twin fall gravity pivoting luffing
Vanguard	LE, VL series	Twin fall gravity pivoting luffing
Verhoef	FL series	Free fall hydraulic A frame
Viking / Norsafe	SW series	Free fall gravity
Viking / Norsafe	A, C, D series	Single twin fall gravity outrigger
Viking / Norsafe	E, LH series	Twin fall gravity pivoting luffing
Viking / Norsafe	HD series	Free fall hydraulic A frame
Viking / Norsafe	NDSC series	Single arm slewing
Viking / Norsafe	NDA series	Single fall hydraulic A frame

Wuxi Donwu	18kN-110kN series	Twin fall gravity pivoting luffing
Wuxi Donwu	25kN-30kN series	Twin fall gravity rollertrack

WINCH		
Type		
MAKE	MODEL/SERIES	CATEGORY
Acebi	TBE series	Single/Twin Drum , gravity lowering
Alexander Welin	AIW series	Twin Drum, gravity lowering
Bada Heavy Industries	BA, BM, PWD series	Twin Drum, gravity lowering
Bada Heavy Industries	BDF, BLW, BMW, BRW series	Single Drum, gravity lowering
Davit International	02, 03, 04, 12, 40 series	Twin Drum, gravity lowering
Fassmer	FFWH series	Single Drum, hydraulic lowering
Global Davit	01KN, 02KN, 04KN, 08KN series	Single Drum, gravity lowering
Global Davit	10KN, 14KN, 20KN, 26KN series	Twin Drum, gravity lowering
Global Davit	WO8HC, WS series	Single Drum, hydraulic lowering
Greben	HW series	Single Drum, hydraulic lowering
Greben	EW series	Twin Drum, gravity lowering
Gurdesan	GD-FLW series	Single Drum, gravity lowering
Gurdesan	GD-HC-A series	Single Drum, hydraulic lowering
Harding (Schat Harding)	BE, HD, MW, CW, W series	Twin Drum, gravity lowering
Harding (Schat Harding)	FME series	Single Drum, gravity lowering
Hatecke	FFA series	Single Drum, gravity lowering
Hydralift	SP series	Single Drum, gravity lowering
Iknow Machinery	EB series	Twin Drum, gravity lowering
Japan Marine United Corp	MU series	Twin Drum, gravity lowering
Jiangsu Jiaoyan (Jiangyin Xinjiang F.R.P. Co. Ltd)	JYWP series	Twin Drum, gravity lowering
Jiangyin Neptune	DS, DW series	Twin Drum, gravity lowering
Jiangyin Wolong	JYD series	Twin Drum, gravity lowering
Jiangyinshi Beihai	DW series	Twin Drum, gravity lowering
Mansei	SW series	Single Drum, gravity lowering
Mansei	06, FW series	Single Drum, hydraulic lowering
Mansei	CMW, MW series	Twin Drum, gravity lowering
Ned Deck	04, HWCT series	Single Drum, gravity lowering
Ned Deck	15 series	Twin Drum, gravity lowering
Nor Davit	SP series	Twin Drum, gravity lowering
Oriental Precision	BWE, SWE series	Twin Drum, gravity lowering
Palfinger	CW, W series	Twin Drum, gravity lowering
Qingdao Beihai	BW-HL, BW-LL series	Twin Drum, gravity lowering
SEC	WL series	Single Drum, gravity lowering
Sekigahara	SNW, SWE series	Twin Drum, gravity lowering
Survival Systems International	W series	Single Drum, gravity lowering
Tsuji Heavy Industries	TC series	Single Drum, gravity lowering
Tsuji Heavy Industries	EB series	Twin Drum, gravity lowering

Verhoef	FL 50 series	Single Drum, gravity lowering
Welin Lambie	5619, 9502 series	Single Drum, gravity lowering
Welin Lambie	55, 97 series	Twin Drum, gravity lowering
Wuxi Dongwu	DS/Z, DZ series	Twin Drum, gravity lowering
Wuxi Huahai	HMW series	Twin Drum, gravity lowering
Zhenjiang Marine	DP series	Twin Drum, gravity lowering
Zollern	ZR series	Single Drum, hydraulic lowering