NIPPON KAIJI KYOKAI

(Rewritten)

CERTIFICATE OF APPROVAL FOR FIRMS ENGAGED IN MAINTENANCE, THOROUGH EXAMINATION, OPERATIONAL TESTING, OVERHAUL AND REPAIR OF LIFEBOATS, RESCUE BOATS, FAST RESCUE BOATS, LAUNCHING APPLIANCES AND RELEASE GEAR

Certificate No. : **25TZ078**
Approval No. : **12LA047**

THIS IS TO CERTIFY that

Sun Shine Marine Industrial Co., Ltd.

No.170, Chongming St., Xiaogang Dist., Kaohsiung, Taiwan, R.O.C.

is approved as a firm engaged in the servicing and maintenance of lifeboats, launching appliances, on-load release gear and automatic release hooks under the Society's Rules for Approval of Manufacturers and Service Suppliers incorporating IACS UR Z17, as amended.
This certificate is valid until **20 September 2027** subject to periodical assessment.

Issued at Tokyo on 18 February 2025.

See the conditions on the reverse.

NIPPON KAIJI KYOKAI

(M. Inoue)
General Manager of Survey Department

ClassNK

This certificate was rewritten because the licenses issued by makers have been changed.

This is to certify that the firm has been periodically or occasionally assessed in accordance with the regulations of Chapter 2, Part 1 of the Rules for Approval of Manufacturers and Service Suppliers.

The Periodical Assessment was completed on 9 October 2024.

Periodical Assessment *Date* _____

Signature _____

Surveyor to NIPPON KAIJI KYOKAI

Occasional Assessment *Date* _____

Signature _____

Surveyor to NIPPON KAIJI KYOKAI

Conditions for Approval:

1. This Certificate is valid subject to validity of certificate for personnel issued for each make and type of the equipment listed in the attachment.
2. This service supplier has been approved to service the equipment listed in the attachment in accordance with MSC. 402(96).
3. The service has been properly conducted and reported in accordance with the requirements of the Rules and the relevant Regulations.
4. Where there is any alteration to the service approved by this certificate, the Firm should notify immediately to the Society.

Attachment to
Certificate Number 25TZ078

Make	Type
Shigi Shipbuilding Co., Ltd.	**Lifeboats/Rescueboats and Release Gear** - SZ series, FEL series, VOX series, GARS series, OPEN type
Sanyo Works Co., Ltd. Kambara Ringyo Co., Ltd. Tsuneishi Forestry Construction Co., Ltd. Tsuneishi Holdings Corporation Tsuneishi Forestry Construction Company	**Lifeboat** - 7.32M open type, KL-6.5TE, KL-6.5FP, TL-6.5TE, TL-6.5FP, TL-5.7TE **Release Gear** - Fixed type hook, 43GS-1(A), 43GS-1(B), 43GS-1(C), 43GS-1(D)
NISHI-F Co., Ltd. (Ex. Nishi Nippon F.R.P. Shipbuilding Co., Ltd.) Ishihara Dockyard Co., Ltd.	**Lifeboat/Rescue Boat** - G series, ML series, F series
SEKIGAHARA SEISAKUSHO LTD.	**Davit** - SH, SFB, SHS, STS, SSS, SFS, SFA, SFC, SFD, SJS, SJR
IKNOW Machinery Co., Ltd. (ex. Tsuji Heavy Ind.)	**Davit** - Series of H, T, TC **Winch** - Series of EB, TC, OAP
Mansei Inc.	**Davits** - Series of EBD-, EM-, ABD-, AH-, AT-, AV-, EH-, ET-, EV-, M-, CM-, D-FH., DE-FH., MFE-, MFH-, SR-, SRE-, R-, S-, RD-, EHR- **Winches** - Series of EBW-, ABW-, AW-, EW-, MW-, CMW-, 06., FW-, SW-, RMW-, MLW-, ERW- **Release Hooks** - Series of RH-

Miura Machine Co., Ltd.	**Davits** - Series of SP, MVD, GRA, SAR **Winches** - Series of BH, BE, BA
Japan Marine United Corporation Yokohama Shipyard, Craft Group	**Gravity & Free Fall Life Boat** - Series of GF, GT, GTR, GTC, S, G, MU-FN, MU-FF **Gravity & Free Fall Davit** - Series of MUL, MUF **Winch** - Series of MUW **Rescue Boat** - Series of MU-GJ **Rescue Davit** - Series of MUR **Others** - JY series of Jiangsu Jiaoyan with JMU nameplate with JG shop inspection approval certificate
Oriental Precision & Engineering Co., Ltd.	**Hinged Gravity Type Davit & Winch** - Davit: HGD series, HGK series, SHS series, RTD series, DHA series, DMA series - Winch: BWE series, SWE series, WL series **Free Fall Davit & Winch** - FD series, WL series **Rescue/Liferaft Davit & Winch** - RD series, RDW series
HLB (ex, Hyundai Lifeboats) Co., Ltd.	**Lifeboat & Rescue Boat** - Series of HD, HT, HDL, HLB, HDF, HDFL, HDFN, HDR, HDFR **Release Mechanism** - Series of THP, Titan, Talon, Talon II
BADA Heavy Industries (ex, D.R.M) Co., Ltd.	**Davit** - Series of DRM, DRBD, BDH, BDTD, BDHP, BDTW, BDRW, BDM, BFOD, HDL, BHR, FF, HDFL, HDF, BDF, BDFD, BDR, BDH, BDA, BDFA, BDL, BDR, BLR, BHI **Winch** - Series of DRM, DRBW, HLDF, BAW, BDF, BDFD, HDFL, HDF, BHI, BLR, BLW, BMW, BRW, BWL, BWR, FHW **Release Mechanism** - Series of BDR, BHA, BHR
Sangsangin Industry Co., ltd. (ex. Dongnam Marine Crane Co., ltd. and Dongnam Enterprise)	**Davit/Launching Appliances** - Hinged Gravity Type (DHG57-FM, HGW-40-FM, DHG-70-FM, HGW-52-FM, HGW-50-FM, DHG-73-FM, HGW-61DM, DHGD-11-E2E7) - Single Arm Type (DLRD, DRLD, DSAD, PV combined, DCHH, DPR, DNR, DRBD, DSAC, BSNKJ) - Freefall Type (FF, HDF)

Dongwoo Machinery & Engineering Co., ltd.	**Hinged Gravity Boat Davit and Freefall Davit Rescuedavit and Life Raft Davit** - DWS series, LRDS series, RBDS series
Shin Myung Tech Co., ltd.	**Launching Appliances** - SM-LRD, SMRB&PVH, SMRB&LR, SMRBD-LSW, SMLRD-LSW, SMRB&LR-NLSW
Qingdao Beihai Boatbuilding Co., Ltd. (Ex. Boatbuilding Branch Qingdao Beihai Shipbuilding Heavy Industry Co., Ltd)	**Totally Enclosed Lifeboat** - BH-5, 5A, 5S, 5SA, E500, E585, 6, 6A, 6S, E670, 7A, 7B, 8 **Freefall Lifeboat** - BH-F6.0, F7.0A, F7.8, F8.1, F5.8, F6.8, F660, F670, F750, F900/A **Rescue Boat** - BH-R4, R4S, R4SA, R5S, HR6, HR7 **Gravity Pivot Davit** - BD-PV50, PV60, PV60S, PV85, PV125, AR125, AR160S **Freefall Launching Davit** - BD-FF55, 55A, 55R, FF80, 80A, 80R, 80B, FF65/66, FF67, FF85 **Single Arm Davit** - BD-SA14, 14A, 14B, SA21, 21A, SA23, SA30, 30A, SA33, SH23 **Winch** - BW-H(L/R)31S, 50, 63, 75, L(L/R)75, 125, SC14, 21, SC30, YSB/INI/BJM hydraulic winch series **Gravity Lifeboat Release Mechanism** - BG-3, 3L, BG-7, BH-HOOK3, HOOK5, FS5, FS7 **Freefall Lifeboat Release Mechanism** - BG-3.5F, 4F, 4.5F, 4.5FL, 5F, 6F **Rescue Boat Release Mechanism** - BG-2R, 15KNXS, 25KNXS, 35KNXS
CSSC Luzhou Zhenjiang Marine Auxiliary Machinery Co., Ltd	**Gravity Davit** - LE45-1/55-1/65-1/85-1/100-1/138-1/170-1, HE65/85/100/138, H170, RE50/60/80/100, SRH65/85/100/120/150/170/200/230, GL65/85/110/138/165, TG65/85/110/150/170/200/230, HT80/100/150/210, LC400, RC60-EB **Launching Appliance Davit** - FH55/70/75/85/100 **Single Arm Davit and Crane** - SAF14/21, SAFC21/25, SA21/32, HDCL2-6.5/3-6/3-10, LA25/35, SH-21, DH30 **Off-Shore Davit** - PL65/85/100/110/120/138/150/180/200/230 **Fastrescue Boat Davit** - LFR30/35/55, LFRH30/60, LEFR50, DH30, SAWH30/45/60 **Boat Winch** - D21KN/D25KN/D32KN/D35KN/D48KN/D63KN/

	D65KN/D80KN/D100KN/D120KN/DP65KN/DP70KN/ DP85KN/ D100PKN/DP110KN/DP120KN/DP138KN/ DP150/DP180KN **Totally Enclosed Lifeboat** - YH5.0QFP/QFN, YH6.5QFP/QFN, YH8.5QFP/QFN/QFP-A/QFN-A, YH10.3QFP/QFN, YH9.5QFP/QFN, YH12.0QFP/QFN, YH9.9BFP, YH12.5BFP, ZZHG-BF-12.5 **Free Fall Lifeboat** - YH5.9FP/FN, YH6.7FP/FN, YH7.5FP/FN, YH8.5FP/FN **Fast Rescue Boat** - YH6.0FRA/FRB, YH6.5FRA/FRB **Rescue Boat** - YH4.5R, YH4.5DR, YH7.5 **Hook** - HK25/25B/40/40C/65, SH55/70/85, Handle release hook 15KN, Automatic release hook 21KN/23KN/25KN/35KN
JIANGYINSHI BEIHAI LSA CO., LTD.	**Boat** - Series of SC, JYB **Hook** - Series of JYBHK **Davit** - Series of SM, SAC, SA, FA, LB, LA, BHGH, PD, FRH, EHRD, SRH, BHGP, RB, HB, HDC, ESAD **Winch** - Series of D, DW, HW, JYBW, FFW
Jiangsu Jiaoyan Marine Equipment Co., Ltd. (ex. Jiangyin Xinjiang F.R.P. Co., Ltd.)	**Free Fall Lifeboat** - JY-FN-4.9, JY-FF-4.9, JY-FN-5.8, JY-FF-5.8, JYM-FN-6.65, JYM-FF-6.65, JY-FN-6.8, JY-FF-6.8, JY-FN-7.5, JY-FF-7.5, JY-FN-8.5, JY-FF-8.5, JY-FN-9.5, JY-FF-9.5 **Rescue Boat** - GJ4.2, GJ4.25, GJ4.5, GJ5.0, GJ5.25, GJ6.0B-1, GJ6.10, GJ7.50, GJ8.0Q-2, GJ8.5Q-2 **Totally Enclosed Lifeboat** - JY-QFP/N-5.0, JY-QFP/N-5.25, JY-QFP/N-5.6, JY-QFP/N-6.0A, JY-QFP/N-6.50, JY-QFP/N-7.0, JY-QFP/N-7.5, JY-QFP/N-7.50A, JY-QFP/N-8.00, JY-QFP/N-8.50, JY-QFP/N-8.50X, JY-QFP/N-9.35, JY-QFP/N-10.90A **Hook** - JX and JXN Series **Gravity Luffing Arm Type Davit** - JYL52, JYL55, JYL65, JYL85, JYL105, JYL135 **Launching Appliance** - JYF55, JYF75, JYF75-B, JYF90 **Platform Davit** - JYP65, JYP85, JYP105, JYP135 **Single Arm Davit**

	- JYR21, JYR21S-A, JYRC21, JYR14, JYRH14, JYRH21, JYR26, JYR30, JYR23 **Electric Boat Winch** - FW45, JYW42, JYW50, JYW70, JYW100, JYWP70, JYWP100, JYWP135, JYW35, JYRZ21
Zhejiang Hengxin Ship Equipment Co., Ltd.	**Lifeboat** - BCC, BCF, BCFC, BCFF **Rescue Boat** - GJ, FRH, RH **Release Mechanism** - HK **Davit** - FH, SA, HDC, LFR, LR, HE, PD, SRH, LB, KN **Winch** - DZB, D, DW
Wuxi Hai Hong Boat Making Co., Ltd.	**Totally Enclosed Life/Rescue Boat** - HH70C/HH70T(QFP7.0/QFN7.0), HH85CS/HH85TS(QFP8.5/QFN8.5), HH65CS/HH65TS(QFP6.5/QFN6.5), HH75CS/HH75TS(QFP7.5/QFN7.5), HH80CS/HH80TS(QFP8.0/QFN8.0), HH65C/HH65T (QFP(H)6.5/QFN(H)6.5), HH50C/HH50T, HH53C/HH53T(QFP(H)5.3), HH75C(QFP(H)7.5), HH85C/HH85TS, HH57C/HH57T **Freefall Lifeboat** - HH59FC/HH59FF, HH76FC/HH76FF **Rescue Boat** - GJ4.5B/GJ4.5B1 **High Speed Rescue Boat** - GJ618A/GJ618B **Release Gear** - HH76/HH43/HH30/HH20
Wuxi Xingsheng Gear Case Factory	**Rescue Boat Release Hook** - 15kN **Liferaft Automatic Release Hook** - 21/25 kN **Automatic Release Hook for Davit Launched Liferafts and Rescue Boats** - 35kN
Jiangyin Wolong F.R.P Boat Co., Ltd.	**Totally Enclosed Lifeboat** - JY50C/F, JY50CA/FA, JY57C/F, JY60C/E/F, JY65C/F, JY70C/F, JY80C/F, JY80CA/FA, JY85C/F, JY85CA/FA, JY85CB/FB, JY93C/F, JY102/F, JY117C/F **Free Fall Lifeboat** - JY49CF/FF, JY59CF/FF, JY67CF/FF, JY85CF/FF, JY109CF/FF **Rescue Boat** - JY40KR, JY42KR, JY45DR, JY45KR, JY50R, JY54KR, JY60KR,

	JY65KR, JY75KR, JY85KR **Partially Enclosed Lifeboat** - JY70P, JY80P, JY85P **Open Type Lifeboat** - JY45KR, JY55K, JY65K, JY70K, JY75K, JY80K, JY85K **Gravity Luffing Arm Type Davit** - JY-LE14, JY-LE65, JY-LE85, JY-LE100, JY-LE150 **Launching Appliance of Free-Fall Lifeboat** - JY-FH55, JY-FH70, JY-FH90, JY-FH155 **Platform Davit** - JY-PL70, JY-PL110, JY-PL150, JY-PL185, JY-PL215 **Single Arm Boat/Raft Davit** - JY-SAF21, JY-SAF23, JY-SA23S, JY-SA37S, JY-SR33S, JY-SAF33, JY-HSR23/16, JY-HSR33/23, JY-FCR2066, JY-FCR2305 **Rescue Boat Davit** - JY-PLR21, JY-LFR27, JY-LRHE18, JY-LRHE30, JY-LRHE70, JY-LFR35, JY-SAP14, JY-SAP30 **Gravity Overhead Rolling Type Davit** - JY-HE70, JY-HE95, JY-HE120, JY-HE155 **Telescopic Boom Type Davit** - JY-TBD 120, JY-TBD 215, JY-TBD35 **Hydraulic Luffing Arm Type Davit** - JY-GYE70, JY-GYE120, JY-GYE185 **Connecting Rod Type Davit** - JY-GL70, JY-GL95, JY-GL120, JY-GL185 **Winch** - JY-SAP14, JY-D23Z, JY-D23/16Z, JY-SAFC23, JY-D33/23Z, JY-SAF33, JY-LRHE30, JY-PLR21, JY-LFR27, JY-LRHE70, JY-D50S/Z, JY-D70S/Z, JY-D85S/Z, JY-D110S/Z, JY-DW125S, JY-DP110S/Z, JY-DP150/Z, JY-DP185, JY-DP215 **Release Mechanism of Lifeboat/Rescue Boat** - HK40, HK40A, HK50B, HK50A, FHK70, HK70, HK115, LB60MR, LB80MR, LB120MR, FHK80, FHK90, LB35MRS, LB70MRS
Fassmer-Marland Ltd.	**Davit Launched Totally Enclosed Lifeboat** - DRAGON 26C, 26T, 32C, 32T, 38C, 38T - GMR 6.5, -T6.5, 7.4, -T7.4 - HH57C, 57T, 65C, 65T, 70C, 70T - CLR-C5.9, T5.9 **Freefall Lifeboat** - GAR 6.7, -T6.7, 7.4, -T7.4 - CFL-C49(E), T49(E), C66(E), T66(E), C72(E), T72(E), C77(E), T77(E), C83(E), T83(E) **Rigid Rescue Boat** - RR4.2/RR4.2-M - RRH4.2

	- RR4.2 ID **Fast Rigid Rescue Boat** - FRR6.1 ID, 6.2 ID **Onload Release Gear** - Duplex 2.5, 2.5E, 25E2, 5.0, 5.0E, 50E2 - HH43 **Pivot Davit** - FPD-D52, D60, D68, DH68 - SRH70 **Freefall Davit** - FFH49, 49D, 49W, 66, 66D, 72, 77, 83 **Freefall Ramp** - FLR49, 66, 72 **Rescue Boat Crane** - FSAR 14/3.5HS, 4.0/3.5HS, 21/4.0HS, 25, 25W, 21 - FSARR 14/3.5HS, 21/4.0HS, 22/4.0HS - FMAH 22KN **Winch for Pivot Davit** - DEW 15-24, 15-35, 15-44 - D52L/D52R - DW34S/DW34Z - MW50/MW50C for Davit FPD-D60 **Winch for Freefall Davit** - FW35 **Winch for Rescue Boat Crane** - DEW 150, 450 - RZ25 - DZA20
Hai Hong Boat Making Co., Ltd. (Guangzhou)	**Davit Launched Totally Enclosed Lifeboat** - HH57C, 57T, 65C, 65T, 70C, 70T (Hai Hong type) **On Load Release Gear** - HH43 (Hai Hong type)
Zhenjiang Just Marine Equipment Co., Ltd.	**Rescue Boat** - ZJM40R, ZJM45R **Fast Rescue Boat** - ZJM618 **Lifeboat** - ZJM50C, ZJM50F, ZJM57C, ZJM57F, ZJM65C, ZJM65F, ZJM75C, ZJM75F **Free Fall Lifeboat** - ZJM49FC, ZJM49FF, ZJM59FC, ZJM59FF, ZJM66FC, ZJM66FF **Davit** - SA21, SA23, SA30, FR21, FR30, L40, L57, L67, L90, PA65, PA85, FH70, FH90
VIKING-NORSAFE (Jiangyin	**RB/FRC/Liferaft Davit** - NDA, NDC, NDSC, NRB, NRC

Jorgensen & Vik Watercraft Hellas)	**Winch** - NW-NO, NW, NWR **Lifeboat Davit** - A, C, D, E, GRA, H, LH, LHD, ND-SPG, NDC-L, SPGL **Rescue Boat/FRC** - GRP1, Magnum, Mako, Matrix, Merlin, Midget, MOB, RIB-450, RIB-500, WHFRB **Freefall Davit** - H, HD, SW **Release Gear** - 1.6T on-load/off-load, DIB, HK, HRS, K4, NFFH, NLH, RCH, TOR **Freefall Lifeboat** - GES **Conventional Lifeboat** - 11.5PE, 8.5PE, Evolution, JYN, Maggie, Maria, Mathilda, Maud, Maxima, Mina, Minima, Miriam, MKV, Watercraft378
Ningbo New Marine Lifesaving Equipment Co., Ltd.	**Rescue Boat & Fast Rescue Boat** - NM43R(A), NM45R, NM45RB, NM60R **Totally Enclosed Life/Rescue Boat** - NML50C, NM50C/F, NM57C/F, NM58C/F, NM65C/F, NM75C/F, NM85C/F, NM117C/F **Free Fall Lifeboat** - NM59FC/FF, NM67FC/FF **Single Arm Rescue Boat (Rafts) Davit (Crane)** - NMSD14KN, NM(S)D23KN, NM(S)D25KN, NMC25, NMC30, NMSD33KN **Rescue Boat Launching Appliance** - NMAR30(-1), NMAR60, NM30 **Gravity Luffing Arm Davit** - NMD25KN, NMD40KN, NMD45KN, NMD55KN, NMD60KN, NMD65KN, NMD85KN, NMD120KN **Launching Appliance of Free Fall Lifeboat** - NMF55KN, NMF70KN **Platform Davit** - PD50, PD70, PD85, PD120 **Hydraulic Gravity Luffing Davit** - HLA85, HLA120, HLA210 **Hydraulic Telescopic Davit** - HTA70, HTA120 **Electric Lifeboat/Rescue Boat Winch** - NMW42L/R, NMW50L/R, D63S/Z, D80S/Z
Jiangyin Neptune Marine Appliance Co., Ltd.	**Totally Enclosed Lifeboats Tanker Version** - NPT50F, NPT58F, NPT60F, NPT75F, NPT85F, NPT85FD, NPT85FM, NPT95F, NPT135F, NPT136F, NPT150F **Totally Enclosed Lifeboats Dry Cargo Version** - NPT50C, NPT58C, NP60C, NPT75C, NPT85C, NPT85CD,

	NPT85CM, NPT95C, NPT135C, NPT136C, NPT150C **Free Fall Lifeboats Tanker Version** - NPT49FF, NPT59FF, NPT67FF, NPT75FF, NPT76FF, NPT90FF, NPT107FF, NPT130FF, NPT150FF, NPT160FF **Free Fall Lifeboats Dry Cargo Version** - NPT49FC, NPT59FC, NPT67FC, NPT75FC, NPT76FC, NPT90FC, NPT107FC, NPT130FC **Rescue Boat** - NPT40R, NPT40RB, NPT42R, NPT43R, NPT43RA, NPT45RB, NPT45RC, NPT53RA, NPT53RB, NPT55RTA, NPT55RFB **Fast Rescue Boats** - NPT60RA, NPT60RA/P, NPT60RB, NPT70RA, NPT70RB **Partially Enclosed Lifeboats** - NPT85P, NPT96P, NPT96PS **Rescue Boat/Raft Davit/Crane** - Davit: NPT/BEC2, NPT15ARH, NPT30ARH, NPT18/27DR, NPT23DR, NPT23DRA, NPT23/18DR, NPT25DR, NPT25DRM, NPT25DP/P, NPT26DR, NPT30DR, NPT35DR, NPT36DR, NPT30DP, NPT30DPY, NPT30AD, NPT30DRE - Winch: NPT23DW, NPT23HW, NPT35HM, NPT18/27DW, NPT23DW, NPT23DWA, NPT23/18DW, NPT30DWR, NPT30DWRM, NPT30DW, NPT40DW, NPT35DWA, NPT35DW(ABS), NPT30DW(DNV), NPT30DWY, NPT30AD-DW, NPT30DW **Gravity Luffing Arm Type Davit** - Davit: NPT50DL, NPT55DL, NPT60DL, NPT60DLA, NPT85DL, NPT85DLA, NPT90DL, NPT138DL, NPT170DL, NPT205DL - Winch: NPT50DW, NPT48DW, NPT50DW, NPT50DWA, NPT/DW70, NPT/DW70A, NPT/DW68, NPT/DW100, NPT/DW130, NPT/DW170 **Platform Type Davit** - Davit: NPT65DP, NPT85DP, NPT/PL110, NPT138DP, NPT138DPB, NPT185DP, NPT205DP - Winch: NPT/DW75, NPT/DW110, NPT/DW138, NPT/DW185, NPT/DW230 **Free Fall Launching Appliance** - Davit: NPT55DF, NPT70DF(4.9M), NPT70DF, NPT85DF, NPT100DF, NPT130DF, NPT185DF, NPT230DF - Winch: NPT55DF, NPT70DF-DW, NPT85DW, NPT100DF, NPT130DF, NPT185DF, NPT230DF **Hydraulic Gravity Type Davit** - Davit: NPT90DYL, NPT150DYL, NPT160DYL, NPT161DYL, NPT185DYL, NPT206DYL - Winch: NPT52DW, NPT/DW100, NPT/DW83, NPT/DWA83, NPT/DWA98

	Pivothing Luffing Gravity Davit - Davit: NPT65DTL, NPT90DTL, NPT110DTL, NPT150DTL - Winch: NPT50DW, NPT/DW68, NPT/DW98, NPT/DW130A **On/Off Load Release Hook** - NPT29HKC, NPT35HKC, NPT63HKC, NPT65HKC, NPT85HKC, NPT105HKC, NPT135HKC, NPT30HK, NPT/HK25R, NPT/HK25F, NPT70HKF, NPT85HKF, NPT105HKF
HENRIKSEN	**Hooks** - HH001
Zhenjiang West Marine Equipment Co., Ltd	**Gravity Luffing Arm Davit** - MGD185 **Rescue Boats/Liferafts Launching Appliances** - SAD14, SAD23M, SAD20, SAD30 **Electrical Boat Winch** - WME-SAD14, SAD23M, SAD20, SAD30, DS/Z110 **Rescue Boats Launching Appliances** - LR30, LRH30, LRH35, LRH75
Wuxi Wenjiao G. F. R. P. Factory	**Totally Enclosed Life/Rescue Boat** - WJB50F, WJB50C, WJ57F, WJ57C, WJ58F, WJ58C, WJ75F, WJ75C **Free Fall Lifeboat** - WJ525FC, WJ59FF, WJ59FC, WJ67FF, WJ67FC **Rescue Boat** - WJ40R, WJ45KR, WJ45D3, WJ45D, WJ55D, WJ60RA, WJ60RB, WJJZ45 **Life Boat** - WJ45D, BJ55, BJ60, BJ65, BJ70, BJ75, BJ80, BJ85 **Release Hook** - WJHK40, WJ30HK, WJHK55, WJ63HKC, WJ67HK, WJ40
Ningbo Asia F.R.P Boat Manufaturing Co., Ltd.	**Rescue Boat** - YZ4.5, YZ4.5S, YZ4.5SA, YZ45R, YZ60RA, YZ60RB **Totally Enclosed Lifeboat/Rescue Boat** - YZ50C, YZ50F, YZ65C, YZ65F, YZ65CS, YZ65FS, YZ75C, YZ75F **Free Fall Lifeboat** - YZ49FC, YZ49FF, YZ59FC, YZ59FF, YZ60FC, YZ60FF, YZ675FC, YZ675FF **Gravity Luffing Arm Davit** - L25, L50, YZL-55, L65, L65S, LE85-1 **Electrical Lifeboat/Rescue Boat Winch** - DS25, DZ25, DS40, DS/Z40, YZD-42S, YZD-42Z, DS58, DZ58, D50S, D50Z, D63S, D63Z **Single Arm Rescue Boat/Liferafts Boat Launching Appliance & Crane** - ZF21/15 DZ14, ZF21 DZ14, ZF23/15 DZ14, ZF23 DZ14, ZF33 DZ25, B21/14, B21/14-2.5

	Rescue Boat Launching Appliance - YZ-A30D **Free Fall Lifeboats Launching Appliance** - YZF55, YZF70 **Release Mechanism** - HK40, HK40B, YZHK40, YZHK40S
Kyoritsu Kikai Co., Ltd.	**Free Fall Lifeboat** - Series of LAF **Liferaft/Rescueboat** - Series of DBZ
Zhejiang Norsier Lifesaving Equipment Technology Co., Ltd	**Lifeboats/Rescue Boats** - NYF & NYC, NYPF&NYPC, NYZ **Davits** - NLB, NSA, NHCD, NFH **Winches** - N **Release Mechanism** - NHK
Vanguarde Pte Ltd	**Lifeboat & Rescue Boat** - VG, VG-FF/FC, KR, DB, DRS, DR4, HLB, HLBLR, FRK, FRW **Hooks (LRRS)** - C-SAFE, SPEARHEAD, HK, SHF **Davit** - LVD, PL, A, PLR, SRH, LR, VAE, VAH, VL, VL-G, VS, VF, HSD **Winch** - DW/D, DW/S, SLR, DWP, HW, PRH, VW/S, VW/Z

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Palfinger

ACTA	**Winches** - KNT **Davits** - DC, DR, MOB-B, MOB-L **Cranes** - HSC
Beiyang Boatbuilding	**Survival Craft** - RB/HRB, TECB **Release Gear** - LH
Edgewater Machine and Fabricators	**Winches** - DEW, GEHL **Davits** - FRD, GDP, GP, RTD, SAH, SAR

Fast RSQ	**Survival Craft** - FRSQ, PB, RSQ
Harding Safety AS	**Release Gear** - ARH, JX-1/2/3/4/5, KH, LHR, RRH **Davits** - BW, FAD, JYHG, JYL, JYLR, JYP, JYR, LA, LAR, MOB, NPD, NPDL, NPDS, NPDW, NRD, NRDS, NTD, NTDS, PD, RA, VIP **Winches** - CCW, CW, JYFW, JYW, NW **Survival Craft** - FRSQ, PB, RSQ, CRV, CTL, FF, RRB/FRB, JYF, KISS, LBF, LBP, LBT, MCB, ML, MPC, Stinger
MASECO	**Winches** - 08, H/M/G, R H, USW, W H **Davits** - 20/22/24/26/28/30, B, FR, GPD, GR, S, SPD, SPR
Mulder-Rijke	**Survival Craft** - PELB, PERB, PTL, TELB
Ned-Deck-Marine	**Winches** - 04-03/04-04, 15-01/02/03/40, BWF, HW CT **Release Gear** - CAR **Davits** - FPG, FPR, GRT/GT, HOTT, HPLG, LPLG, PBR, PFH, PLG, PRH, PRHE, PRHH, SCD, SCH, SCHD, SCHF, SCM, SCMF, SFD, SP, SWTC, TOC
Noreq	**Survival Craft** - LBF C/T, LBT C/T **Davits** - NPDT **Winches** - NRW
Palfinger-Marine	**Winches** - 15-01/02/03/06 **Davits** - HCT, FPR-H, SCMLP, SCMT, SCR **Release Gear** - ARB
Palfinger Marine Boats SEE palfinger Marine	**Survival Craft** RSQ/FRSQ
Schat-Harding AS	**Winches** - 0-13, 1-13, 2-22, 2-38, BHY, BO, EW PL, FM/FME, RSD, RT **Survival Craft** - MS, MC, MCA, MCD, MCF, MCH, MCM, MCO, MCR **Release Gear** - FF48, H-80/86, H-86M FF, Patent

	Davits - FL, FR.P.SP, HD/HDW, HPL, HRD, NDP, NT, PAR, SPLC, SPMOB, SRR, UDR, UDSP
Schat-Harding BV	**Winches** - 08 EC, 08 EM, 08 HY, 0-22, 0-38, 08-40, 1-38, 16, 22, 24, 2-58, 3-13, 3-22, 3-38, 3-58, 3-70, 38 **Davits** - Bridge, DDP, FDA, FDAR, FFDA, FFDP, FFLS, FFND, FFNT, FFSS, HFFS, HHA, HP, LT, MP, ND, NTP, SAHL, SAHP, SAP, SAT, SDAL, SDAR, SHD, SPHC, SRL, ST, STP, UDS(H), UFDA, VEHCL
Schat-Harding GmbH	**Davits** - FFD, HF, LD, ORD **Winches** - GH
Schat-Harding Ltd	**Survival Craft** - WFF, PE, CR, FM, MK I – MK V, OPEN A-X, MHW **Release Gear** - Atlas, Empress, Titan, Titan FF, Spartan **Davits** - MRT/MRD, WOD, WP, WRG **Winches** - TMW, WAR
Schat-Harding USA Inc	**Davits** - GD, GAN, GP/GPD, HAS, MIR **Survival Craft** - MKIV/MKV, EL **Winches** - FME
SEC Davits	**Winches** - ES, WL **Davits** - HT, OF, Suez
Waterman	**Survival Craft** - Open, Tender, HRL **Release Gear** - Deveser, F A/B-type

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