

**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. : 24TZ126

Approval No. : 24LA007

THIS IS TO CERTIFY that

METALOCK BRASIL LTDA

RUA VISCONDE DO RIO BRANCO, 22 SANTOS SP BRAZIL CEP:11013-030

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 **10 March 2029** subject to periodical assessment.

Issued at Tokyo on 11 March 2024.

See the conditions on the reverse.

NIPPON KAIJI KYOKAI



(M. Inoue)

General Manager of Survey Department

Attachment to
Certificate Number 24TZ126

Make	Type
Hoei Senpaku Co., Ltd.	<u>Lifeboats/Rescue Boats</u> - HS650, HS650F, HS520, HS520F, SO, SM, FO, FM
Shigi Shipbuilding Co., Ltd.	<u>Lifeboats/Rescueboats and Release Gear</u> - SZ series, FEL series, VOX series, GARS series, OPEN type
d-i davit international-hische GmbH	<u>Crane for Freefall Boat</u> - C-F series, C-L series <u>Crane for Boat Handling</u> - C-S series <u>Free-fall Davit</u> - D-F series (Free-fall only), D-TF series, D-FH/FG series <u>Roller Track Davit</u> - D-RT series (Roller Track Davit only) <u>Fixed Offshore Davit</u> - D-FO series <u>Normal Pivot Davit</u> - D-NP series, excl. D-NP. MP and D-NP. SP series <u>Boat Davit</u> - D-BC series, D-BR series <u>Rescue Boat Davit</u> - D-CL series, D-CR series, D-NPS. SP series, D-SR series, D-NPS. MP series, D-RTT series <u>Raft Handling Davit</u> - D-RC series, D-RB series <u>Rescue Boat Hook</u> - RH series, OLH series <u>Liferaft Hook</u> - OLRH series <u>Fast Rescueboat Davit</u> - D-CRm. FR series, D-CRm. MOR series, D-CRm. R. FR series, D-NPS. FR series <u>Lifeboat Davit</u> - D-NP. MP series, D-NP. SP series, D-WP series, D-FP series, D-ND series <u>Lifeboat or Rescueboat Davit</u> - D-TT series <u>Other hook* (Liferaft hook and Liferaft/rescue boat hook)</u> HS series manufactured by Sezamor ARH and CAR series manufactured by Palfinger PX series manufactured by T-ISS * Only valid in combination with an equipment of d-i davit

<p>IKNOW Machinery Co., Ltd. (ex. Tsuji Heavy Ind.)</p>	<p><u>Davit</u> - Series of H, T, TC</p> <p><u>Winch</u> - Series of EB, TC, OAP</p>
<p>Mansei Inc.</p>	<p><u>Davits</u> - 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-</p> <p><u>Winches</u> - Series of EBW-, ABW-, AW-, EW-, MW-, CMW-, 06., FW-, SW-, RMW-, MLW-, ERW-</p> <p><u>Release Hooks</u> - Series of RH-</p>
<p>Miura Machine Co., Ltd.</p>	<p><u>Davits</u> - Series of SP, MVD, GRA, SAR</p> <p><u>Winches</u> - Series of BH, BE, BA</p>
<p>Oriental Precision & Engineering Co., Ltd.</p>	<p><u>Hinged Gravity Type Davit & Winch</u> - Davit: HGD series, HGK series, SHS series, RTD series, DHA series, DMA series - Winch: BWE series, SWE series, WL series</p> <p><u>Free Fall Davit & Winch</u> - FD series, WL series</p> <p><u>Rescue/Liferaft Davit & Winch</u> - RD series, RDW series</p>
<p>SEKIGAHARA SEISAKUSHO LTD.</p>	<p><u>Gravity Type Davit</u> - SH, SFB, SHS, STS, SSS</p> <p><u>Free-fall Lifeboat Davit</u> - SFS, SFA, SFB, SFC, SFD</p> <p><u>Rescue Boat Davit</u> - SJS, SJR</p> <p><u>Winch</u> - SNW, SWE</p>
<p>Global Davit GmbH</p>	<p><u>Launching and recovery appliances for single point suspended life-saving crafts</u> Type Code: X1X2X3.x4.x5.x6 where X1=F/L/R, X2=g/h/m, X3=p/s/t, x4-x6(options)=L/R/S</p> <p><u>Launching and recovery appliances for double point suspended life-saving crafts</u> Type Code: X1xx2XX3.x4 where X1=G, xx2=sp/lp, XX3=FP/FL/MP/TT, x4=h</p> <p><u>Winches for launching and recovery of life saving appliance</u> Type Code: X1NN1X2 where X1=W, NN1=output torque in kNm, X2=HC/L/R/M/E</p>

	<p><u>Release gears for liferaft and/or rescue boat handling</u> HRN.12, HRN.28, HRL.26</p>
<p>Qingdao Beihai Boatbuilding Co., Ltd. (Ex. Boatbuilding Branch Qingdao Beihai Shipbuilding Heavy Industry Co., Ltd)</p>	<p><u>Totally Enclosed Lifeboat</u> - BH-5, 5A, 5S, 5SA, E500, E585, 6, 6A, 6S, E670, 7A, 7B, 8</p> <p><u>Freefall Lifeboat</u> - BH-F6.0, F7.0A, F7.8, F8.1, F5.8, F6.8, F660, F670, F750, F900/A</p> <p><u>Rescue Boat</u> - BH-R4, R4S, R4SA, R5S, HR6, HR7</p> <p><u>Gravity Pivot Davit</u> - BD-PV50, PV60, PV60S, PV85, PV125</p> <p><u>Freefall Launching Davit</u> - BD-FF55, 55A, 55R, FF80, 80A, 80R, 80B, FF65/66/67, FF85</p> <p><u>Single Arm Davit</u> - BD-SA14/A/B, 21/A, 23/30/A, 33, SH23, FA36, RBD966</p> <p><u>Winch</u> - BW-H(L/R)31S, 50, 63, 75, L(L/R)75, 125, SC14, 21, YSB series hydraulic winch</p> <p><u>Gravity Lifeboat Release Mechanism</u> - BG-3, 3L, BG-7, BH-HOOK3, HOOK5, FS5, FS7</p> <p><u>Freefall Lifeboat Release Mechanism</u> - BG-3, 3.5F, 4F, 4.5F, 4.5FL, 5F, 6F</p> <p><u>Rescue Boat Release Mechanism</u> - BG-2R, 15KNXS, 25KNXS, 35KNXS</p>
<p>Fassmer-Marland Ltd.</p>	<p><u>Davit Launched Totally Enclosed Lifeboat</u> - 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</p> <p><u>Freefall Lifeboat</u> - 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)</p> <p><u>Rigid Rescue Boat</u> - RR4.2/RR4.2-M - RRH4.2 - RR4.2 ID</p> <p><u>Fast Rigid Rescue Boat</u> - FRR6.1ID, 6.2ID</p> <p><u>Onload Release Gear</u> - Duplex 2.5, 2.5E, 25E2, 5.0, 5.0E, 50E2 - HH43</p> <p><u>Pivot Davit</u> - FPD-D60, D68, DH68 - SRH70</p> <p><u>Freefall Davit</u> - FFH49, 49D, 66, 66D, 72, 77, 83</p>

	<p><u>Freefall Ramp</u></p> <ul style="list-style-type: none"> - FLR49, 66, 72 <p><u>Rescue Boat Crane</u></p> <ul style="list-style-type: none"> - FSAR 14/3.5HS, 4.0/3.5HS, 21/4.0HS, 25 - FSARR 14/3.5HS, 21/4.0HS, 22/4.0HS - FMAH 22KN <p><u>Winch for Pivot Davit</u></p> <ul style="list-style-type: none"> - DEW 15-24, 15-35, 15-44 - D52L/D52R - DW34S/DW34Z - MW50/MW50C for Davit FPD-D60 <p><u>Winch for Freefall Davit</u></p> <ul style="list-style-type: none"> - FW35 <p><u>Winch for Rescue Boat Crane</u></p> <ul style="list-style-type: none"> - DEW 150, 450 - RZ25
<p>Hai Hong Boat Making Co., Ltd. (Guangzhou)</p>	<p><u>Davit Launched Totally Enclosed Lifeboat</u></p> <ul style="list-style-type: none"> - HH57C, 57T, 65C, 65T, 70C, 70T (Hai Hong type) <p><u>On Load Release Gear</u></p> <ul style="list-style-type: none"> - HH43 (Hai Hong type)
<p>Fassmer Service GmbH & Co. KG.</p>	<p><u>Davit Launched Totally Enclosed Lifeboat</u></p> <ul style="list-style-type: none"> - GMR 5.9/6.5/7.4/8.3 - TGMR 5.9/6.5/7.4/8.3 - CLR-C 5.9/6.4/6.8/7.2/7.6/8.1/8.5 - CLR-T 5.9/6.4/6.8/7.2/7.6/8.1/8.5 - CL-C 8.9/9.4/9.8/10.2/10.7/11.1/11.5/11.9/12.4/12.8/13.2 - CL-T 8.9/9.4/9.8/10.2/10.7/11.1/11.5/11.9/12.4/12.8/13.2 - CLX @8.5/10.0/11.7/12.8 <p><u>Freefall Lifeboat</u></p> <ul style="list-style-type: none"> - CFL 4.9/-T4.9 - GAR 6.0/-T6.0/6.8/-T6.8/6.7/-T6.7/7.4/-T7.4/8.1/-T8.1/7.7/-T7.7/8.5/-T8.5 - CFL-C66/72/77/83 - CFL-T66/72/77/83 <p><u>Partially Enclosed Lifeboats</u></p> <ul style="list-style-type: none"> - CL-P 5.9/6.4/6.8/7.2/7.6/8.1/8.5/8.9/9.4/9.8/10.2/10.7/11.1/11.5/11.9/12.4/12.8/13.2 - SEL 8.15/8.8/9.6/10.5/10.55/11.80/12.5/15.75/-R 8.15/-T 10.75 <p><u>Partially enclosed Lifeboats - Tenderboats</u></p> <ul style="list-style-type: none"> - TL Limo 1100 - SEL-T 11.0/11.7/12.3/14.0/14.7/15.75 - PLL 1099 - PLT-EVO 170 <p><u>Partially Enclosed Lifeboats, Tenderboat and Rescue Boat</u></p> <ul style="list-style-type: none"> - SEL-RT 7.7/7.5/8.5

Partially Enclosed Life-and Crew Tenderboats

- SEL 11.0 (-T)

Partially Enclosed Life-/Rescue-/Work-/Tender-Boats

- SEL-R 7.4/8.5

High-performance Tender

- SFB 10.1

Rigid Rescueboat

- RR 4.2/4.2-M/4.5 ID

Rescueboat

- RIR 625 ID

Fast Rigid Rescueboat

- FR (I)R6.1/6.1ID
- FRR 6.2 ID/6.5 ID-SF/6.6 ID/7.0 ID-SF/7.0
- FRIR 6.25

Freefall Lifeboat Release Mechanism

- FFRU 6.6

Offload Rescue Boat Hook

- FOH 27/30/70

On Load Release Gear

- Duplex 25E2/2.5E/50E2/5.0E/60E2/6.6E/10E/140E2/14E/
17E/180E2/230E2/23E

Fassmer Hydraulic Davit

- FHD 80/100/120/130/150/170/172/280/450

Hinged Davit

- FHDY 100

Freefall Davit

- FFH 45/65/49/50/60/66/70/72/75/77/80/83/85/90

Pivot davit

- FPD 55/60/100/80/120/150/170
- FFD D60

Freefall Ramp

- FLR49/66/8005/8006/8007

Multi Pivot Davit

- FMPD 100/130/150/160

Outrigger Davit

- FOD 100/120/130/150/170/190/40R/50/55/80/
LBC 300/SAR 40/-R22/-R23/-R25/-R40/TC 450

Rescue Boat Davit

- FOSV 71
- FSAH 22

Rescue Boat Crane

- FSAH 28, 32
- FSAR 14, 21, 28, 40
- FSARR 14/3.5 HS, 22/4.0HS-M

FRC Crane

- PRHE 30

Fassmer Winch

- DEW 40/85/2000

	<p><u>Fassmer Winch/Rescue Boat Crane</u></p> <ul style="list-style-type: none"> - DEW 8 - FWD 40RB
Hatecke GmbH	<p><u>(Fast) Rescue Boat</u></p> <ul style="list-style-type: none"> - RB AB, RB AB Duplex, RB AB FH, RB IB, RB/FRB AB FH <p><u>Launching Appliances</u></p> <ul style="list-style-type: none"> - FFA, FFA LP, FFB, Gsp.FLH, Gsp.O, GspFP, W07, W10, W26 <p><u>Lifeboat</u></p> <ul style="list-style-type: none"> - GFF, GFF-T, GSAR, GSL, GSL-T <p><u>Release Gear</u></p> <ul style="list-style-type: none"> - Duplex 2.6, 3.0, 3.5, 4.3/4.6, 6.0 - GFF-R-10, 11, 8 - RAFTI 2.5 - Simplex2.0 Off-Load, 2.0 to, 2.0i, 3.0, 4.3, 6.0
HLB (ex, Hyundai Lifeboats) Co., Ltd.	<p><u>Lifeboat & Rescue Boat</u></p> <ul style="list-style-type: none"> - Series of HD, HT, HDL, HLB, HDF, HDFL, HDFN, HDR, HDFR <p><u>Release Mechanism</u></p> <ul style="list-style-type: none"> - Series of THP, Talon, Talon II
BADA Heavy Industries (ex, D.R.M) Co., Ltd.	<p><u>Davit</u></p> <ul style="list-style-type: none"> - Series of DRM, DRBD, BDH, BDTD, BDHP, BDTW, BDRW, BDM, BFOD, FF, HDFL, HDF, BDF, BDFD, BDR, BDH, BDA, BDFa, BDL, BDR, BLR, BHI <p><u>Winch</u></p> <ul style="list-style-type: none"> - Series of DRM, DRBW, HLDF, BAW, BDF, BDFD, HDFL, HDF, BHI, BLR, BLW, BMW, BRW, BWL, BWR, FHW <p><u>Release Mechanism</u></p> <ul style="list-style-type: none"> - Series of BDR, BHA, BHR
Japan Marine United Corporation (IHI Craft, IHI AMETIC, IHI Marine United)	<p><u>Gravity & Free Fall Life Boat</u></p> <ul style="list-style-type: none"> - Series of GF, GT, GTR, GTC, S, G, MU-FN, MU-FF <p><u>Gravity & Free Fall Davit</u></p> <ul style="list-style-type: none"> - Series of MUL, MUF <p><u>Winch</u></p> <ul style="list-style-type: none"> - Series of MUW <p><u>Rescue Boat</u></p> <ul style="list-style-type: none"> - Series of MU-GJ <p><u>Rescue Davit</u></p> <ul style="list-style-type: none"> - Series of MUR <p><u>Others</u></p> <ul style="list-style-type: none"> - JY series of Jiangsu Jiaoyan with JMU nameplate with JG shop inspection approval certificate

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