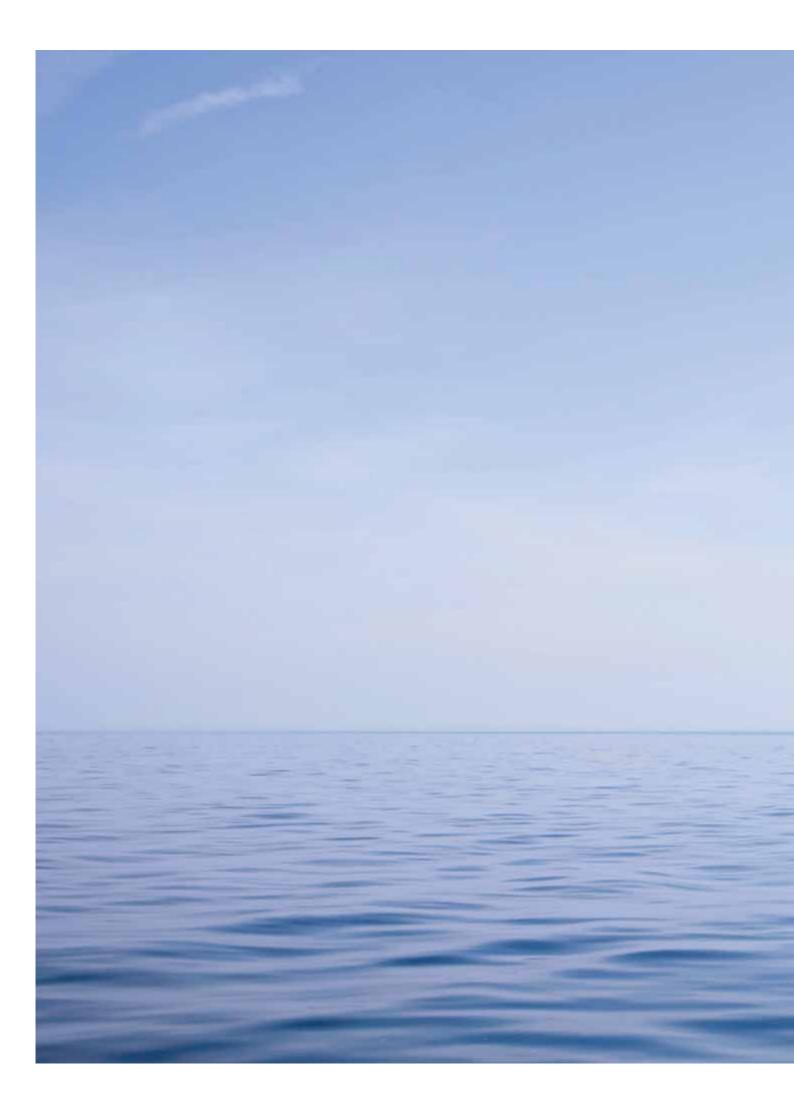


LIFESAVING EQUIPMENT - LIFERAFTS - FIRE FIGHTING - LIFEBOATS AND DAVITS-YACHTING AND BOATING



THE TECHNO-MARINE GROUP

is a specialist in the marine safety industry with over 30 years experience.

Our business is founded on the principle of offering only quality products and service solutions.

Over the years we have built a deep understanding of the Asian marine safety industry. This places us in good stead to discern the growing needs, trends and demands of industry.

As a reliable one-stop service provider, we consistently review and innovate our product lines to meet the changing demands of the industry and our customers.

We offer a wide range of quality marine safety products at competitive prices.

Our close partnerships and networks with affiliated companies, manufacturers and suppliers provide us with strategic leverage for product distribution.

Our growing portfolio includes servicing of lifeboats, life rafts and firefighting equipment and systems.

To complement our suite of quality products, our staff constantly undergo extensive training and certification courses to ensure that we provide a high standard of service.

TECHNO MARINE GROUP OF COMPANIES

Techno-Marine (S) Pte Ltd *Marine safety ,life saving equipment and ship supply*

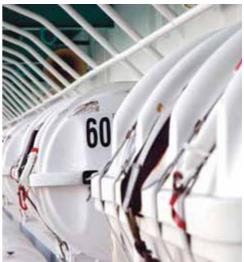
Sea Saver Marine Pte Ltd
Sales and servicing of liferafts and rescue boats
ISO 9001:2008

Spectrum Fire (S) Pte Ltd Servicing and maintenance of Fire extinguishers, CO2 and Halon systems ISO 9001:2008

Techno Lifeboat Pte LtdSales and servicing of lifeboats and davits

Marintech Marketing (S) Pte Ltd Sales of yachting/boating equipment and accessories





SERVICES

SEA SAVER MARINE PTE LTD

Sea Saver Marine is accredited with internationally recognised ISO 9001:2008 quality system standards.

Our servicing facilities provide for inspection, servicing and recertification of:

INFLATABLE LIFERAFT

- CCCP (Russian)
- CRV
- Double Happiness
- Hai Yan Pai
- Tokugawa
- · You Long Pai

INFLATABLE LIFEJACKET

- Lalizas
- VSG

IMMERSION SUIT

- Huayan
- Lalizas
- Takashina, Toyo Bussan, Nihon Kyumei Kigu

Our service station is approved by Maritime and Port Authority of Singapore, Russian Maritime Register of Shipping and Korean Register of Shipping.

SPECTRUM FIRE (S) PTE LTD

Spectrum Fire is accredited with ISO 9001:2008, and provides quality service, maintenance, installation and commissioning of:

- Fire Extinguishers
- · CO2 System
- Halon System
- Dry Powder System
- Water Mist System
- Fire Alarm Detection System
- Breathing Apparatus Set
- Emergency Escape Breathing Device
- Medical Oxygen Resuscitator Set
- · Lifeboat Air Cylinder
- · Air and Foam Analysis

Our services are approved by ABS, DNV, GL, LRS, NK, KR, Russian Maritime and local authorities.

TECHNO LIFEBOAT PTE LTD

Techno Lifeboat specializes in sales and service of lifeboats, rescue boats and davits for the following brands:

- · Jiangsu Huaiyin Marine
- · Jiangyin Wolong
- Oriental Precision
- Qingdao Beihai Shipbuilding Heavy Industry
- Sheyang Saifute Marine
- Zhenjiang Marine Auxillary





MARINE SAFETY SUPPLIES

Agent and distributor of:

COMMUNICATION INSTRUMENTS

Davis, Deuta, GME, Hammar, McMurdo, Noburu, Sealink, Uranis

COMPASS

Daiko, Ritchie, Saura, Tokugawa

COUPLING

AWG, Huayan, Haizhou

FIRE EXTINGUISHER

Eversafe

FIRE HOSE

Premier, Pyroprotech, 5ELEM

FIREMAN SUIT

Flameguard, Huayan

GMDSS

Sealink, Uranis, Dolphin

HYDROSTATIC RELEASE

Hammar H20, McMurdo, Samyung, Saracom

LIFEBOAT, RESCUE BOAT, DAVIT

Jiangyin Wolong, Oriental Precision, Zhenjiang Marine, Sheyang Saifute, Qingdao Beihai, Jiangsu Huaiyin

LIFEJACKET

Safeguard, Nihon, Lalizas, VSG, Seahorse, Billy Pugh, Sterns

LIFEJACKET LIGHT

Huayan, Nihon, Lalizas

LIFEBUOY

Huayan, Nihon

LIFERAFT

CCCP, CRV, Double Happiness, Hai Yan Pai, Tokugawa, You Long Pai

NAUTICAL INSTRUMENTS

Barigo, Bushnell, Camon, Deuta, Tokugawa, Wempe

NAVIGATION LIGHTS

Aqua Signal, DHR, Liangzhou, Koito

PORTABLE CHEMICAL TOILET

Dometic

PYROTECHNICS

Comet, Huahai

RESPIRATORY PRODUCTS

Draeger, Huayan, Haizhou

SAFETY LIGHT

Daniamant, Huayan, Pelican, Wolf

STRETCHER

Huayan, Haizhou, Paraguard

WATER AND RATION

SOS

YACHTING AND BOATING

Aquameter, Cousin, Danfender, Danforth, Groco, Moonlight, Oceanair, OS, Rule, Sta-lock, So-pac, Trem



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STATUTORY ALERT

Changes to the LSA Code and SOLAS – requirements for lifejackets

INFORMATION

Amendments to Chapter II of the International Life-Saving Appliance (LSA) Code come into effect on July 1, 2010, and introduce the following new requirements for the approval of lifejackets:

- Each lifejacket shall be fitted with a whistle firmly secured by a lanyard.
- Lifejacket lights and whistles shall be selected and secured to the lifejacket in such a way that their performance in combination is not degraded.
- Each lifejacket shall be provided with a releasable buoyant line or other means to secure it to a lifejacket worn by another person in the water.
- Each lifejacket shall be provided with a suitable means to allow a rescuer to lift the wearer from the water into a survival craft or rescue boat.

The requirements apply:

- to lifejackets provided on board ships constructed (having their keel laid) on or after July 1, 2010
- when providing new lifejackets to vessels with a keel laying date before July 1, 2010.

New requirements for the carriage of additional equipment, also effective July 1, 2010, have been introduced under the SOLAS Convention, as follows:

- On all ships where adult lifejackets are not designed to fit persons weighing up to 140 kg with a chest girth of up to 1,750 mm, suitable accessories are to be provided that allow the lifejacket to be secured to such persons.
- All passenger ships are to be provided with lifejackets for "infants".

Relevant IMO resolutions and circulars

The amendments to Chapter II of the LSA Code and Chapter III of SOLAS were adopted by the IMO through resolutions MSC.207(81) and MSC.201(81) respectively.

Resolution MSC.81(70) – *Revised Recommendation* on *Testing of Life-Saving Appliances* (adopted on December 11, 1998) has been amended by resolution MSC.200(80) to reflect the new requirements.

However, it should be noted that MSC/Circ.980 – Standardized Life-Saving Appliance Evaluation and Test Report Forms has not been similarly amended; when required, these amendments will be applied and information is to be included in the relevant test report forms.

LIFE-SAVING APPLIANCES

- Lifejackets
- Inflatable lifejackets/ Lifejacket lights
- Lifebuoys
- Lifebuoy lights
- Immersion suits
- Thermal protective aid
- Chemical protection
- Pyrotechnics
- EEBD
- Rescue and medical devices

Lifejackets





HYJ-A3

IMPA Code: 33 01 31

Approvals: EC/GL, comply with new

SOLAS regulation

HUAYAN MARINE LIFE JACKET

Model HYJ-A3 Buoyancy > 15KG

Material: Polyester Oxford

EPE Foamed
Polyethylene



HYJ-C

IMPA Code: 33 01 31

Approvals: EC/GL, comply with new

SOLAS regulation

HUAYAN MARINE LIFEJACKET - CHILD

Model HYJ-C



DY5564-1

IMPA Code: 33 01 32 Approvals: CCS/SOLAS

HUAYAN MARINE LIFE JACKET

Material

Model DY5564-1 Buoyancy > 11KG

> EPE Foamed Polyethylene

Polyester Oxford



DY5566-A



DY5566-C



DY93-3

IMPA Code: 33 01 31 Approvals: CCS/SOLAS

HUAYAN MARINE LIFE JACKET

Model DY5566-A
Buoyancy > 10.5KG
Material: Polyester Oxford

EPE Foamed
Polyethylene

Approvals: CCS/SOLAS

HUAYAN MARINE LIFE JACKET - CHILD

Model DY5566 Buoyancy > 6.8KG

Material Polyester Oxford

EPE Foamed Polyethylene

IMPA Code: 33 11 71

HUAYAN WORK VEST

Model DY93-3 Buoyancy > 7.5KG

Lifejackets



DY94-3



70178



70179

IMPA Code: 33 11 71

HUAYAN LIFEJACKET - CHILD

Model DY93-4 Buoyancy > 7.5KG

IMPA Code: 33 01 31

Approvals: EC/GL, comply with new

SOLAS regulation

LALIZAS LIFEJACKET

Model 70178

Body Weight (KG) > 43KG

IMPA Code: 33 01 31

Approvals: EC/GL, comply with new

SOLAS regulation

LALIZAS FOLDING LIFEJACKET

Model 70179

Body Weight (KG) > 43KG



70176



70177



RT198

IMPA Code: 33 01 32

Approvals: EC/GL, comply with new

SOLAS regulation

LALIZAS INFANT LIFEJACKET

Model 70176

Body Weight (KG) > 5-15KG

IMPA Code: 33 01 31

Approvals: EC/GL, comply with new

SOLAS regulation

LALIZAS FOLDING LIFEJACKET - CHILD

Model 70177 Body Weight (KG) 15–43KG

IMPA Code: 33 01 34 Approvals: USCG

SAFEGUARD (USA) RT198 RT199

User Weight > 41 KG < 41 KG

Buoyancy > 24 lbs> 16 lbs (7.3 kg)

- Material: PE (Polyethylene), 1" Stainless Steel Snaphook, D-ring, Encircling straps
- SOLAS-grade reflective tape
- Reversible Design
- Weather and fade resistant polyester

Lifejackets / Inflatable Lifejackets



WV0-50



WV0-100



WV-10

IMPA Code: 33 11 71 Approvals: USCG/SOLAS

BILLY PUGH TYPE V VINYL WORK VEST

Model WV0-50

Туре V Vinyl Dipped Vest

External Webbing

IMPA Code: 33 11 71 Approvals: **USCG/SOLAS**

BILLY PUGH TYPE V WORK VEST

Туре V Vinyl Dipped Vest

External Webbing

Material Heavy-duty bronze

hardware

IMPA Code: 33 11 71 Approvals: USCG

SEAHORSE TYPE V / VINYL COATED **WORK VEST**

Model WV-10 Buoyancy 17.5 lbs



Skipper 150



Modulo 275



CO2 Cartridge and bobbin

IMPA Code: 33 01 41 Approvals: EC, RINA

VSG (ITALY) INFLATABLE LIFE JACKET - SINGLE CHAMBER

Model Skipper 150
Weight +40KG
Chest Size 18/125CM
Buoyancy 150N

IMPA Code: 33 01 41

Approvals: EC,RINA, comply to new SOLAS

regulation

VSG (ITALY) MODULO 275 INFLATABLE LIFE JACKET - TWIN CHAMBER

Model Modulo 275
Weight +43KG
Height +155CM
Buoyancy >275N

CO2 CARTRIDGE AND BOBBIN

Lifejacket Lights



Lifejacket Box



YDL12

П	Е		IΑ		V	CТ	D	0	V	
ы	г	Е.	ΙН	L	N	C I	D	U.	$^{\wedge}$	

Size	1013x600x550
Quantity	10-15
Material	FRP

Size 1325x1100x700

Quantity 40 Material FRP

Size 1800x800x1080

Quantity 60 Material FRP

IMPA Code: 33 01 43 Approvals: EC/GL/SOLAS

HUAYAN YDL12 LIFEJACKET LIGHT

Luminous Intensity≥0.75cdDuration≥8 hLamp-houseLED/WhiteBatteryEnergizer® CR2
Lithium Battery

Stowage Temp. Lithium Battery $-30^{\circ}\text{C} \sim +65^{\circ}\text{C}$ Operation Temp. $-15^{\circ}\text{C} \sim +40^{\circ}\text{C}$

Light Type Flash

Flash Frequency 50~70 times/min

Validity 5 years



YDL20

IMPA Code: 33 01 43

Approvals: EC/GL/CCS/SOLAS

HUAYAN YDL20 LIFEJACKET LIGHT

 Luminous Intensity
 ≥0.75cd

 Duration
 ≥8 h

 Lamp-house
 LED/White

 Battery
 Energizer® CR2

 Libbing Returns

Stowage Temp. Lithium Battery $-30^{\circ}\text{C} \sim +65^{\circ}\text{C}$ Operation Temp. $-15^{\circ}\text{C} \sim +40^{\circ}\text{C}$

Light Type Flash

Flash Frequency 50~70 times/min

Validity 5 years



YDG1B



YD5



4289



70280

IMPA Code: 33 01 43 Approvals: EC/GL/SOLAS

HUAYAN YDG1B LIFEJACKET LIGHT

Luminous Intensity ≥0.75cd Duration ≥8 h Lamp-house LED/White Battery Alkali Battery

(USA Energizer®,

Lifetime: 7 years) -30°C~65°C Stowage Temp. Operation Temp. -1°C~3°C Light Type Flash

Flash Frequency 50~70 times/min

Validity 5 years

IMPA Code: 33 01 43 CCS/SOLAS Approvals:

HUAYAN YD5 LIFEJACKET LIGHT

3.8/0.4A Bulb: Dry Battery **Battery** Light Type Flash

No battery included

IMPA Code: 33 01 43

Approvals: EC/BV/NK/USCG/SOLAS

NIHON (JAPAN) LIFEJACKET LIGHT

Battery Lithium Battery **Light Duration** More than 8 hours

Flash Light type

Luminous Intensity More than 0.75 cd Material Polycarbonate Watertightness Up to 10m depth

Validity 5 years

IMPA Code: 33 01 43 Approvals: EC/GL/SOLAS

LALIZAS (GREECE) SAFELITE 70280 LIFEJACKET LIGHT

Luminous Intensity More than 0.75 cd

≥8 h Duration

Material Polycarbonate Validity

5 years

Lifebuoys



DY5555



DY5555-4



SB-25



SB-40

IMPA code 33 01 51

Approvals: EC/GL/CCS/SOLAS

HUAYAN LIFEBUOY

ModelDY5555Outer Diameter713mmInner Diameter445mmThickness $100 \sim 125$ mmWeight ≥ 2.5 KGBuoyancy ≥ 14.5 KG

IMPA code 33 01 54

Approvals: EC/GL/CCS/SOLAS

HUAYAN LIFEBUOY

 $\begin{array}{lll} \mbox{Model} & \mbox{DY5555-4} \\ \mbox{Outer Diameter} & 750\mbox{mm} \\ \mbox{Inner Diameter} & 468\mbox{mm} \\ \mbox{Thickness} & 100 \sim 125\mbox{mm} \\ \mbox{Weight} & \geq 4.3\mbox{KG} \\ \mbox{Buoyancy} & \geq 14.5\mbox{ KG} \\ \end{array}$

IMPA Code: 33 01 51
Approvals: EC/BV/SOLAS

NIHON (JAPAN) LIFEBUOY

Model SB-25
Outer Diameter 760mm
Inner Diameter 460mm
Thickness 105mm
Weight 2.8 KG
Buoyancy 23 KG
Height of Drop Test 40m

IMPA Code: 33 01 51 Approvals: EC/BV/SOLAS

NIHON (JAPAN) LIFEBUOY

Model SB-40
Outer Diameter 760mm
Inner Diameter 460mm
Thickness 105mm
Weight 4.5 KG
Buoyancy 21 KG
Height of Drop Test 40m



Life-buoy Bracket



Life-buoy Bracket



Quick Release Case



Lifebuoy Line

STORAGE BOX FOR LIFEBUOY

Material Fibreglass
Dimensions 880 x 160cm

LIFE-BUOY BRACKET

Type A Material Steel

QUICK RELEASE CASE

Size 710 x 755 x 186mm Material FRP

For 4.3KG lifebuoy

FLOATING LINE FOR LIFEBUOY

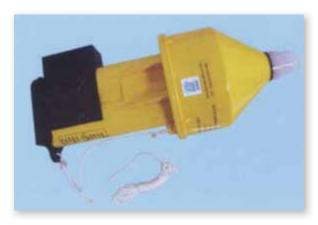
Diameter 8mm Length 30m

Lifebuoy Lights





QD2



FBQD1



FBQD2

IMPA code 33 03 86
Approvals: EC/CCS/SOLAS

HUAYAN LIFEBUOY SELF-IGNITING LIGHT

Model QD-1
Light Flash/LED
Battery Lithium Battery
Bulb 4.8V/0.54A
Flash frequency 50 ~70 times/min

Luminous intensity ≥2.0cd

IMPA code 33 03 86 Approvals: CCS/EC/SOLAS

HUAYAN LIFEBUOY SELF-IGNITING LIGHT

Model QD-2
Light Flash/LED
Battery Dry Battery
Bulb 4.8V/0.54A
Flash frequency 50 ~70 times/min

Luminous intensity ≥2.0cd

IMPA code 33 03 86 Approvals: CCS/SOLAS

HUAYAN LIFEBUOY SELF-IGNITING LIGHT (INTRINSICALLY SAFE)

Model FBQD-1
Battery 4XLR20 Alkali
Battery
Bulb 4.8V/0.54A
Explosion-proof Class Ex d II CT4
Light Flash

Flash frequency 50 ~70 times/min

Luminous intensity ≥2.0cd

IMPA code 33 03 86 Approvals: CCS/EC/SOLAS

HUAYAN LIFEBUOY SELF-IGNITING LIGHT (INTRINSICALLY SAFE)

Model FBQD-2 Battery 2XLR20 Alkali Battery

Lamp-house LED
Explosion-proof Class Ex ia II CT4
Light Flash

Flash frequency 50 ~70 times/min

Luminous intensity ≥2.0cd





L41-B



L161



CHILD SIZE HYF-2

IMPA Code: 33 03 86

EC/MED/SOLAS Approvals:

DANIAMANT (UK) LIFEBUOY LIGHT L90

- Minimum 2 cd Light output
- Minimum 2 hour Light duration
- · 2.5m lanyard included

IMPA Code: 33 03 28

Approvals: EC/MED/SOLAS

DANIAMANT (UK) LIFEBUOY LIGHT L41-B

- Minimum 2 cd Light output
- Minimum 2 hour Light duration

IMPA Code: 33 03 86

Approvals: EC/MED/SOLAS

DANIAMANT (UK) LIFEBUOY LIGHT L161

- Intrinsically safe, for use in ALL potentially explosive zones
- Five year life. No maintenance or replacement batteries are required
- LED technology
- ATEX, IECEx, ETL, IEC60945 approvals

IMPA code 33 01 69

EC/GL/CCS/SOLAS Approvals:

HUAYAN IMMERSION SUIT

≥150N Buoyancy

Material Neoprene 5mm Sizes M (170cm)

L (190cm) XL (205cm) Child

- Thermal protectiveness: after immersing in 0°C~ +2°C water for 6h, body temperature does not fall 2°C below normal levels
- · 3M reflective strips
- · Whistle and light included

Thermal Protective Aid / Chemical Protection



Neptune

IMPA Code: 33 01 69
Approvals: EC/GL/SOLAS

LALIZAS (GREECE) IMMERSION SUIT INSULATED "NEPTUNE"

- Neoprene 5mm
- Universal Size
- Retro reflective tape



BWFY-2

INSPECTION AND REPAIR KIT FOR IMMERSION SUIT

Model BWFY-2



HYB-2

IMPA code 33 01 75

Approvals: EC/CCS/SOLAS

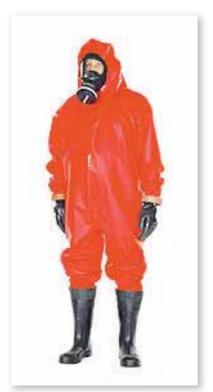
HUAYAN THERMAL PROTECTIVE AID

Model HYB-2

Size 2000x960x860mm



RFH 01



EN943-1

IMPA Code: 33 09 81 Approvals: CCS

HUAYAN CHEMICAL SUIT

Material Rubberized fabric Thickness 0.45±0.05mm

- · Resistant to acid corrosion
- Used to protect fire fighting personnel from harmful chemicals and corrosive sunstances in a fire or accident

IMPA Code: 33 09 81

CHEMPROTECTOR DIVETEX®, EN 943-1

Chemical and gas protection suit with mask sealing.

Type Berlin 1b
Temperature Range -50°C~80°C
Zipper Gas proof

Certifications

Suit EN943-1 Boots EN345 Gloves EN374

To be used with full face mask. All masks can be used if they are in accordance to EN 136:1998 class 2 or 3. Together with Chemical protective boots (EN 345), Butyl gloves (EN 374), cuff rings.

Pyrotechnics



Rocket Parachute Flare



Buoyant Smoke Signal



Red Hand Flare Signal

IMPA Code: 33 03 11

Approvals: EC/BV/CCS/SOLAS/USCG

HUAHAI ROCKET PARACHUTE FLARE

Type HR-3
JH1-300-86
Height of Launching >300m
Luminous Intensity 30000cd
Flare Time >40s
Validity 3 years
Dimensions 44 x 237mm
Weight <0.32KG

IMPA Code: 33 03 31

Approvals: EC/BV/CCS/SOLAS/USCG

HUAHAI BUOYANT SMOKE SIGNAL

Type HB-3

JH3-2-97

Smoke time > 3min Validity 3 years

Dimensions Diameter 80mm x

135mm

Weight <0.5KG

IMPA Code: 33 03 14

Approvals: EC/BV/CCS/SOLASS/USCG

HUAHAI RED HAND FLARE SIGNAL

Type HH-3

JH2-60-94

Luminous Intensity 15000cd Flare Time >60s Validity 3 years

Dimensions Diameter 27mm x

145mm

Weight <0.17KG



Line Throwing Unit



MOB



SMOKE SIGNAL



THROWING DEVICE

IMPA Code: 33 03 09

Approvals: EC/BV/CCS/SOLAS

HUAHAI LINE THROWING UNIT

Type HT-2

JH7-230-91

Throwing Range >230m Validity 3 years

Dimensions 280 x 345mm

Weight <4KG

IMPA Code: 33 03 21

Approvals: EC/BV/CCS/SOLAS

HUAHAI MAN OVER BOARD

Type HLS-2 & HL-2

JH8-215-92

Smoke time >15min
Flare Time >2h
Luminous Intensity >2.0cd
Validity 3 years

Dimensions 90mm diameter x

450mm

Weight 4KG

IMPA Code: 33 03 23

Approvals: EC/BV/CCS/SOLAS/USCG

HUAHAI LIFEBUOY SELF-ACTIVATING SMOKE SIGNAL

Type HL-2

JH9-15-92

Smoke colour Orange Smoke duration time ≥15min

IMPA Code: 33 16 45

COMPRESSED AIR DRIVEN LINE THROWING DEVICE

Compressed air used as propellant

Throwing Range 90 - 153m

Emergency Escape Breathing Device (EEBD)



CF-15



TH-15



THHHZ15



IMPA Code: 33 04 38

DRAEGER EEBD ESCAPE SET SAVER CF 15 COMPRESSED AIR BREATHING DEVICE WITH HOOD

Dimensions

L 490 x W 160 x H 250mm

- Provides breathing protection for 15 minutes
- 3 ltr / 200 bar compressed air cylinder
- · Audible low content warning
- Carrying bags: fluorescent orange

IMPA Code: 33 04 38

Approvals: EC/GL/CCS/SOLAS

HUAYAN AIR COMPRESSED EMERGENCY ESCAPE BREATHING DEVICE

ModelTH15Air Cylinder Volume3.2LNormal Working Pressure21MpaDuration>15minsWeight<8KGS</td>

IMPA Code: 33 04 38

Approvals: EC/GL/CCS/SOLAS

EMERGENCY ESCAPE BREATHING DEVICE

Model THHZ15
Duration >15mins
Air Cylinder Volume 3L
Normal Working Pressure 210 Bar
Weight: < 9KG

HOOD AND RUBBER HOSE

Hood Material Flame-resistance

material coated with aluminum foil composite

Working Pressure of Hose 2.0

TH10-2A

 0.65 ± 0.2

40

External thread



TH10-2A

IMPA Code: 33 04 36 / 33 04 39

PRESSURE REDUCER

Туре

Connection

Output flux

Output pressure

TH10-1



TH15-1

Model	TH10-1/TH15-1
Connection	External thread
Air Cylinder Volume	2.2L/3.2L
Normal Working Pressure	21Mpa

CYLINDER ASSEMBLY (SPARE CYLINDER)



Pressure Gauge

PRESSURE GAUGE



Charging Connector for EEBD

CHARGING CONNECTOR FOR EEBD

0-300bar Gauge Range 10x1

Rescue and Medical Devices



Basket Stretcher, Fixed



Basket Stretcher, Divisible



Personnel Transfer Net

IMPA Code: 39 13 91 Approvals: Mill Cert

BASKET STRETCHER, FIXED

• Suitable for helicopter rescue

Dimensions L 217 x W 65cm

IMPA Code: 39 13 91 Approvals: Mill Cert

BASKET STRETCHER, DIVISIBLE

- · Safety belts
- Adjustable foot support

 $\begin{array}{ll} \mbox{Dimensions (Divided)} & \mbox{L 110 x W 65cm} \\ \mbox{Dimensions (Combined)} & \mbox{L 210 x W 65cm} \end{array}$

Approvals: ABS

PERSONNEL TRANSFER NET

- API specification 2C Fifth Edition, April 3,1995, 3.13 API RP54, R250LGS with design factor of 10
- Lifting ring 7/8" forged steel
- · Safety load line
- Stabilizer unit covered with plastic impregnated fabric
- Netting lines 3/4", 9950 lbs. test each
- Top ring 30" padded
- Bottom ring overall dimensions 72" with padding
- Padding is shock absorbing, synthetic flotation material
- 9 feet from bottom to top ring
- Four entrances to net
- Bottom of net 5 rubber chafe pads



Neil Robertson Stretcher



Paraguard Stretcher



Lifting Harness for Stretcher

IMPA Code: 39 13 90 Approvals: Mill Cert

NEIL ROBERTSON STRETCHER

Model HYD3
Frame Hardwood
Outer Material Polyester oxford textile

Horizontal safety load 120KG Vertical safety load 120KG

PARAGUARD STRETCHER

Length Full 182cm

(92cm folded)

Width 25cm

(27cm folded)

Depth (15cm folded)

Weight with no accessories 11.5kg Max load 136kg

LIFTING HARNESS FOR STRETCHER

- Bridle gear suitable for helicopter rescue
- Adjustable straps
- 4 snap hooks

Rescue and Medical Devices



Oxygen Resuscitator 4 Ltr



Oxygen Resuscitator P103A

IMPA Code: 33 04 01 Approvals: Mill Cert

ERIE (USA) OXYGEN RESUSCITATOR 4 LTR

- Filled with ready to use with 414 litres of medical oxygen
- Permanently attached on/off handle no wrench needed
- 6 litre fix flow regulator is standard. Can also be fitted with a variable flow regulator
- Pressure gauge in cylinder post valve
- Refillable light weight aluminum cylinder

IMPA Code: 33 04 01 Approvals: Mill Cert

SHARP (JAPAN) OXYGEN RESUSCITATOR P103A

2l water capacity aluminum O₂ cylinder equipped

Case Duralumin

Dimensions 210 x 650 x 280mm

Weight 15kg



First Aid Kit 1F



First Aid Kit 2F

IMPA Code: 39 01

FIRST AID KIT 1F

- 2 pks Surgifix size 1-2 for hand, wrist, arm & elbow
- 1 Surgifix size 3-4 for knee, leg, foot & shoulder
- 1 Surgifix size 5-6 for head, hip, thigh & axilla
- 2 Singlefix finger bandages
- 1 Sodium bicarbonate powder BP
- 1 Acriflavine solution 1:1000
- 1 lodine solution BP
- 2 Triangular bandages
- 1 Crepe bandages
- 1 Adhesive plaster 1/2" x 5yds
- 2 pks First Aid dressings 10's
- 1 Water-Jel burn dressing
- 1 pk of Absorbent gauze 20's
- 1 Antiseptic lotion & 1 Antiseptic cream
- 12 Cotton wool & 1 Eye lotion
- 1 Constructive bandage
- 12 bunchs of Safety pins, assorted
- 1 pr of Dressing scissors
- 1 pr of Dressing forceps
- 1 unit One-way valve mouthpiece: "First Aid Airway"
- 1 "First Aid at work"

FIRST AID KIT 2F

- 4 Surgifix size 1-2 for hand, wrist, arm & elbow
- 2 Surgifix size 3-4 for knee, leg, foot & shoulder
- 2 Surgifix size 5-6 for head, hip, thigh & axilla
- 4 Singlefix finger bandages
- 4 Triangular bandages
- 2 Crepe bandages 2"
- 1 Crepe badages 3"
- 1 Adhesive plaster 1/2" x 5yds
- 4 pks First Aid dressings 10's
- 2 pks of Absorbent gauze 20's
- 1 Water-Jel burn dressing
- 1 Antiseptic lotion & 1 Antiseptic cream
- 24 Cotton wool & 1 Eye lotion
- 1 Acriflavine solution 1:1000
- 1 lodine solution BP
- 2 Sodium bicarbonate powder BP
- 1 Constructive bandage
- 24 bunchs of Safety pins, assorted
- 1 pr of Dressing scissors
- 1 pr of Dressing forceps
- 1 unit One-way valve mouthpiece: "First Aid Airway"
- 1 "First Aid at work"

Rescue and Medical Devices





AIR SPLINT

Air Splints



Wooden Splint



Emergency eyebath and facewash



Emergency Safety Shower

WOODEN SPLINT

EMERGENCY EYEBATH AND FACEWASH FOUNTAIN WITH BOWL

- Operates automatically when lid is pulled down
- · Individual flow controller
- Wall mounting

Material Shock-resistant

plastic

Dimension L 360 x W 340 x

H 205mm

EMERGENCY SAFETY SHOWER

- · Combined unit with eye and face wash
- Free standing
- Push flag and foot treadle activated
- Supply and waste: 11/4" IPS

FIRE FIGHTING EQUIPMENT

- Fire extinguishers
- Fire extinguisher refills
- Fire extinguisher accessories/Fireman outfit
- Fireman outfit and equipment
- Safety hand lamps
- Breathing apparatus accessories/ SCBA box/Compressor/Fire hose
- Water fog applicator/Branch pipes/ Jet spray nozzles
- International couplings, connectors and caps (Storz)
- International couplings, connectors and caps ((Barcelona, GOST, INSTANTANEOUS)
- International couplings, connectors and caps (INSTANTANEOUS, MACHINO)
- International couplings, connectors and caps (NAKAJIMA, NOR)
- International couplings, connectors and caps (NUNAN & STOVE, FRENCH/ GUILLEMIN)
- International couplings, connectors and caps (USA-ANSI) / International Shore Connection / Coupling Spanners
- Coupling spanner/Fire hydrants

FIRE FIGHTING EQUIPMENT

Fire Extinguishers



IMPA Code: 33 10

Approvals: EC/Lloyd's

EVERSAFE ABC, MONNEX POWDER, WATER AND FOAM



Model	EED-4c	EED-6c	EED-9c	EED-12c	EED-12cMX	EEW-6cs	EEW-9cs	EEF-6cs	EEF-9cs	EEF-9c		
Туре		Cartridge Operated Type										
Extinguishant		ABC Dry	Powder	V THE	Monnex Powder	Water AFFF Foam						
Capacity	4 kg	6 kg	9 kg	12 kg	9 kg	6 litres	9 litres	6 litres	9 litres	9 litres		
CO ² Gas Cartridge	75g	110g	150g	225g	225g	55g	55g	55g	75g	75g		
Valve / Headcap		CE Marked Controllable Chrome Plated Brass Headcap with Safety Relief Valve										
Body Diameter	158 mm	158 mm	178 mm	188 mm	188 mm	158 mm	178 mm	158 mm	178 mm	178 mm		
Overall Height	468 mm	582 mm	624 mm	697 mm	697 mm	582 mm	624 mm	582 mm	624 mm	624 mm		
Approx Full Weight	8.2 kg	10.9 kg	14.7 kg	19.7 kg	16.7 kg	11.1 kg	14.6 kg	11.1 kg	14.9 kg	14.9 kg		
Working Temp. Range		- 2	0°C to + 60	°C			+	5°C to + 60	°C			
Working Pressure					12 Ba							
Test Pressure					25 BAI	R						
Burst Pressure		6 - 8			Exceeds 6	9 Bar	- 1					
Approx Discharge Range	2 - 3 m	5 m	7 m	7 m	7 m	4 m	6 m	4 m	6 m	6 m		
Approx Discharge Time	11 sec	21 sec	23 sec	31 sec	19 sec	32 sec	60 sec	58 sec	88 sec	50 sec		
Fire Rating	13A:70B	27A:183B	34A:233B	43A:233B	2338	13A	21A	13A:144B	21A:183B	13A:1838		
Fire Class	- 10km20m	ABC + E	lectrical	STATE OF STREET	BC	A + Electrica	Safety Test*	A, B + Electric	al Safety Test*	AB		
Coating (Internal)		Stovi	ng Epoxy Pi	rimer			Perform	ance Polym	er Alloy			
Paint Finishing				RAL 3000	Flame Red Polye	ster Powde	r Coating					
Mounting		Metal 'T' Wall Bracket										
Manufactured & Certified to	BS EN 3-7: 2004 + A1: 2007 and BS EN 3-8: 2006											

^{*} Safe If in Accidental Contact with Live Electrical Equipment. Complies with Electrical Conductivity Test BS EN 3-7, Clause 9 Annex C.





IMPA Code: 33 10 16/17/18

Approvals: EC/Lloyd's

EVERSAFE ABC DRY POWDER



Model	EED-1	EED-2	EED-2h	EED-3	EED-4N	EED-6	EED-9	EED-12		
Туре	Stored Pressure Type									
Extinguishant	1000 0	ABC Dry Powder								
Capacity	1 kg	2 kg	2 kg	3 kg	4 kg	6 kg	9 kg	12 kg		
Propellant				Dry Nitr	ogen (Nz)					
Valve		Controllable Chrome Plated Brass Valve with Pressure Indicator								
Body Diameter	80 mm	110 mm	110 mm	130 mm	158 mm	158 mm	178 mm	188 mm		
Overall Height	332 mm	379 mm	379 mm	477 mm	453 mm	556 mm	602 mm	695 mm		
Approx Full Weight	2 kg	3.4 kg	3.6 kg	5.6 kg	7.2 kg	9.7 kg	13.5 kg	18,1 kg		
Working Temp. Range	- 20°C to + 60°C									
Working Pressure				12	Bar					
Test Pressure				25	Bar					
Burst Pressure				Exceed	s 69 Bar					
Approx Discharge Range	2 m	2.5 m	2.5 m	4 m	5 m	5 m	7 m	7 m		
Approx Discharge Time	9 sec	15 sec	13 sec	14 sec	20 sec	16 sec	18 sec	30 sec		
Fire Rating	5A:34B	13A:55B	13A:70B	13A:89B	21A:1138	43A:2338	43A:233B	43A:2338		
Fire Class				ABC + E	lectrical					
Coating (Internal)				Stoving Ep	oxy Primer					
Paint Finishing			RAL 300	Flame Red Po	olyester Powder	Coating				
Mounting	Plastic Vehicle Bracket * Metal 'L' Wall Bracket									
Manufactured & Certified to	BS EN 3-7: 2004 + A1: 2007 and BS EN 3-8: 2006									

^{*} Wire vehicle bracket available on request

FIRE FIGHTING EQUIPMENT

Fire Extinguishers







IMPA Code:

33 10 62

Approvals:

EC/Lloyd's

EVERSAFE AFFF FOAM & WATER



Technical Specification	33								
Model	EEF-2s	EEF-6s	EEF-9s	EEW-6s	EEW-9s				
Type		THE PROPERTY OF THE PARTY OF TH	Stored Pressure Type						
Extinguishant	t te	AFFF Foam Water							
Capacity	2 litres	6 litres	9 litres	6 litres	9 litres				
Propellant		Dry Nitrogen (N2)							
Valve	C	ontrollable Chrome	Plated Brass Valve wi	th Pressure Indicator					
Body Diameter	110 mm	158 mm	178 mm	158 mm	178 mm				
Overall Height	398 mm	556 mm	602 mm	556 mm	602 mm				
Approx Full Weight	3.7 kg	10.3 kg	13.8 kg	10.2 kg	13.7 kg				
Working Temp. Range	+ 5°C to + 60°C								
Working Pressure	J.		12 Bar						
Test Pressure			25 Bar						
Burst Pressure			Exceeds 69 Bar						
Approx Discharge Range	1.5 m	4 m	6 m	4 m	6 m				
Approx Discharge Time	26 sec	46 sec	67 sec	34 sec	71 sec				
Fire Rating	5A:34B	13A:144B	21A:183B	13A	21A				
Fire Class	A, B +	Electrical Safety Te	st*	A + Electrica	Safety Test*				
Cylinder Lining	4	Per	formance Polymer All	oy					
Paint Finishing		RAL 3000 Fla	me Red Polyester Pov	der Coating					
Mounting	Wire Vehicle Bracket								
Manufactured & Certified to		BS EN 3-7: 20	04 + A1: 2007 and B9	EN 3-8: 2006					

^{*} Safe if in Accidental Contact with Live Electrical Equipment. Complies with Electrical Conductivity Test B5 EN 3-7, Clause 9 Annex C.





IMPA Code: 33 10 65
Approvals: EC/Lloyd's

EVERSAFE CO2



Model	EEC-2e2	EEC-5e1	EEC-2Ale2	EEC-5Ale1	
Body Material	Cro	moly Steel	Alumin	um Alloy	
Extinguishant	2-141	Carbon Di	oxide		
Capacity	2 kg	5 kg	2 kg	5 kg	
Cylinder Diameter	105 mm	138 mm	117 mm	152 mm	
Overall Height	567 mm	747 mm	502 mm	664 mm	
Approx Full Weight	8.2 kg	16 kg	5.1 kg	12.1 kg	
Working Temp. Range	- 20°C to + 60°C				
Working Pressure (20°C)	S6 Bar				
Test Pressure		250 Bar	21	2 Bar	
Safety Disc Burst Pressure	180 - 200 Bar				
Approx Discharge Range		3 m			
Approx Discharge Time	13sec	23 sec	14 sec	18 sec	
Fire Rating	348	55B	34B	55B	
Fire Class		B, C + Elec	trical		
Cylinder Specification	85 :	5045 Part 7	BS 504	45 Part 8	
Discharge Assembly	Swivel Horn	Hose & Fish Tail Horn	Swivel Horn	Hose & Fish Tail Horn	
Mounting	Metal 'L' Wall Bracket				
Operating Head / Valve	CE Marked Controllable Chrome Plated Brass Valve				
Paint Finishing	RAL 3000 Flame Red Polyester Powder Coating				
Manufactured & Certified to	BS EN 3-7: 2004 + A1: 2007 and BS EN 3-9: 2006				

Fire Extinguishers







IMPA Code:

Approvals: EC/Lloyd's

EVERSAFE MOBILE AFFF FOAM

NA



Model	MFM-45	MFM-135	MFG-45	MFG-135	MFG-150
Type	Stored Pressure Type		120000000000000000000000000000000000000	Gas Cartridge Type	
Capacity	45 litres	135 litres	45 litres	135 litres	150 litres
Extinguishant			AFF Foam (Premix)		1 1111111111111111111111111111111111111
Propellant	Nitrog	en (N2)		Carbon Dioxide (CO2)	
Valve / Headcap	Brass Valve	with Pressure Gauge	Brass Head	Cap with Safety Relief V	alve
CO ² Cartridge	N.	/ A	1 kg	2 kg	2 kg
Discharge Hose	16 mm x 6 m	19 mm x 6 m	16 mm x 6 m**	19 mm x 6 m**	19 mm x 6 m
Wheel Diameter Ø	300mm	350mm	300 mm	350mm	350mm
Frame Work	Steel Pipe / Flat Bar				
Cylinder Material		V 11	Steel		
Body Diameter	386 mm	552 mm	386 mm	552 mm	552 mm
Overall Height	970 mm	1290 mm	970 mm	1290 mm	1380 mm
Width	535 mm	685 mm	535 mm	685 mm	685 mm
Depth	665 mm	930 mm	665 mm	930 mm	930 mm
Approx Empty Weight	46 kg	106 kg	52 kg	113 kg	118 kg
Approx Full Weight	91 kg	241 kg	98 kg	250 kg	270 kg
Working Temp, Range			+ 5°C to + 60°C		
Working Pressure (20°C)			12 Bar		
Test Pressure	21.5 Bar	22.5 Bar	21.5 Bar	22.5 Bar	22.5 Bar
Safety Valve Lift Pressure	17 ~ :	21 Bar		18 ~ 20 Bar	
Approx Discharge Time	105 sec	160 sec	105 sec	160 sec	180 sec
Approx Discharge Range	10 - 12 m	11 ~ 13 m	10 12 m	11 ~ 13 m	11 ~ 13 m
Fire Rating / Class	A IIB	A IVB	A IIB	A IVB	A IVB
Coating (Internal)	High Build Epoxy Tank Coating				
Paint Finishing	RAL 3000 Flame Red Polyester Powder Coating				
Manufactured & Certified to	BS EN 1866 : 2007				

^{** 20} meter hose length available on request.







IMPA Code: NA

Approvals: EC/Lloyd's

EVERSAFE MOBILE CO2 FOAM



Model	MCO-10	MCO-20	MCO-10T	
Capacity	10 kg	20 kg	2 x 10 kg	
Style	Sir	ngle	Twin	
Extinguishant	5 of a 100 days are	Carbon Dioxide (CO2)		
Operating Head	CE Marked	Brass Screw Down Valve with Safety F	telief Valve	
Cylinder Thread		1° BS 341		
Discharge Hose		High Pressure Hose		
Internal Diameter x Length		9.5mm x 6 m		
Discharge Horn		Plastic with On/Off Valve		
Cylinder Specification	EN1964 Part 1 PED	EN1964 Part 1 TPED**	EN1964 Part 1 PED	
- Diameter Ø	156 mm	204 mm	156 mm	
- Nominal height	615 mm	815 mm	615 mm	
Frame Work		Steel Pipe / Flat Bar		
Overall Height	1020 mm	1210 mm	1040 mm	
Width	465 mm	565 mm	515 mm	
Depth	1000 mm	1280 mm	1050 mm	
Approx Empty Weight	33 kg	80 kg	50 kg	
Approx Full Weight	43 kg	100 kg	70 kg	
Cylinder / Frame Finish	RAL	3000 Flame Red Polyester Powder Coa	iting	
Wheel Diameter Ø		300 mm	WWW.77/1	
Working Temp. Range		- 20°C to + 60°C		
Working Pressure (20°C)	56 Bar			
Cylinder Test Pressure		250 Bar		
Approx Discharge Time	30 sec	85 sec	60 sec	
Approx Discharge Range		4 m		
Fire Rating / Class	70B C	89B C	898 C	
Manufactured & Certified to	BS EN 1866 : 2007			

^{**} Transportable Pressure Equipment Directive (TPED) approval.

Fire Extinguishers / Fire Extinguishers Refill







IMPA Code: NA

Approvals: E0

EC/Lloyd's

EVERSAFE MOBILE DRY POWDER



Model	MPM-25	MPM-50	MPG-25	MPG-50
Type	Stored Pre	ssure Type	Gas Carti	idge Type
Capacity	25kg	50kg	25kg	50kg
Extinguishant		ABC Dry	Powder	110000000
Propellant	Nitrog	en (N2)	Carbon Di	oxide (CO2)
Valve / Headcap	Brass Valve wi	th Pressure Gauge	Brass Head Cap wit	h Safety Relief Valve
CO ² Cartridge	N.	'A	550 grams	1 kg
Discharge Hose	13 mm x 6 m	16 mm x 6 m	13 mm x 6 m	16 mm x 6 m**
Wheel Diameter Ø		300	mm	
Frame Work	Steel Pipe / Flat Bar			
Cylinder Material		St	eel	
Body Diameter	250 mm	386 mm	250 mm	386 mm
Overall Height	895 mm	970 mm	895 mm	970 mm
Width	430 mm	535 mm	430 mm	535 mm
Depth	590 mm	665 mm	590 mm	665 mm
Approx Empty Weight	29 kg	47 kg	33 kg	52 kg
Approx Full Weight	54 kg	97 kg	58 kg	102 kg
Working Temp. Range		- 20°C to	o + 60°C	
Working Pressure (20°C)		12	Bar	
Test Pressure		21.5	BAR	11015.0
Safety Valve Lift Pressure	17 ~	21 Bar	18~	20 Bar
Approx Discharge Time	40 sec	55 sec	40 sec	50 sec
Approx Discharge Range	9 m	10 m	9 m	11 m
Fire Rating / Class	AIBC	A IIB C	A IB C	A IIB C
Paint Finishing	RAL 3000 Flame Red Polyester Powder Coating			
Manufactured & Certified to	BS EN 1866 ± 2007			

^{** 10} meter hose length available on request.



Foam concentrate



AFFF foam



ABC powder

IMPA Code: 33 10 Approvals: BV

FOAM CONCENTRATE

Fluoroprotein Foam concentrate 3% for foam applicator

Volume: 200 ltr & 20ltr

IMPA Code: 33 10 Approvals: BV

AFFF FOAM

Volume: 200 ltr & 20ltr

IMPA Code: 33 10

ABC POWDER

Weight: 2.3,4.5,6, 9, 12 &

25kg

Fire extinguishers accessories



Fireman outfit and equipment



Fireman outfit and equipment



Helmet



Portable Explosion Proof Light



Fireman axe with insulated rubber handle



Fireman rubber boots

IMPA Code: 35 09 02

HELMET

Material Fiberglass

IMPA Code: 79 22 01 Approvals: CCS/ICEX

PORTABLE EXPLOSION PROOF LIGHT

Type: 4DCB

Power Source: 1.5v dry battery
Bulb: 4.8V/0.5A
Explosion-proof class ExdIICT4
Duration ≥3h
Protective casing IP65

IMPA Code: 33 09 62 Approvals: Mill Cert

FIREMAN AXE WITH INSULATED RUBBER HANDLE

Body Material Steel

Electric insulation No breakdown

under 20000v for 1 min

IMPA Code: 19 02 06

FIREMAN RUBBER BOOTS



HYN-1



HYN-2



Fireman suit



Transparent visor



Head cover

IMPA Code: 33 09 74 Approvals: CCS

FIRE PROOF LIFE LINE

Model HYN-1 (30m)
Diameter 12mm
Strength Static load
3.5KN for 5min

IMPA Code: 33 09 74

Approvals: EC/GL/CCS/SOLAS

FIRE PROOF LIFE LINE

Model HYN-2 (30m)
Diameter 5mm
Strength Static load
3.5KN for 5min

IMPA Code: 33 09 03 Approvals: CCS/SOLAS

HUAYAN FIREMAN SUIT

Model DNXF

Each set consists of flame retardant aluminium jacket, trousers and gloves, helmet with visor and rubber boots.

• Heat Resistant

Water proof

• Hydraulic pressure ≥4000pa

IMPA Code: 33 04

VISOR / HEADCOVER

Material Polycarbonate,

flame resistant material coated with aluminium foil

composite

Fireman outfit and equipment



Fireman suit

IMPA Code: 33 09 03

Approvals: EC/Lloyd's, comply with new

SOLAS regulation

FLAMEGUARD (UK) FIREMAN SUIT

Flameguard Plus Suit has a two-layer contruction, with the outer shell using a fire resistant substrate as a based laminated to an aluminized film. Leather gloves with Kevlar insert and cuff. Heat resistant, slash and puncture resistant.



Fireman Gloves



Safety helmet



Fireman Boots

IMPA Code: 33 09 05 Approvals: EC/GL

FIREMAN GLOVES

Waterproof, fire resistant, insulated

IMPA Code: 33 09 02 Approvals: EC/DNV

SAFETY HELMET

• With visor and leather neck protection

IMPA Code: 33 09 04 Approvals: EC/GL

FIREMAN BOOTS

Fire retardant, insulated, acid and alkali proof



Fire axe



Fire bucket



Storage Box for Fireman Outfit



Fireman Waist Belt



Fire blanket

IMPA Code: 33 09 61/62

FIRE AXE - 20 000V, 14"

FIRE AXE – WOODEN HANDLE, 36"

FIRE AXE - INSULATED 20 000V, 36"

LEATHER COVER FOR FIRE AXE

IMPA Code: NA

FIRE BUCKET

Material Galvanized steel

(Red)

STORAGE BOX FOR FIREMAN OUTFIT

Material Fiberglass

Size 800 x 600 x 350mm

FIREMAN WAIST BELT

Length 1.1 - 1.4mTensile strength ≥4500n

IMPA Code: 33 09 51

FIRE BLANKET

Size 6' x 4'

Safety Hand Lamps



4DC

IMPA Code: 33 06 11 Approvals: Lloyd's

WOLF (UK) 4DC

Product Safety handlamp,

dry operated

Classification (gases) Zone 1 and 2, Temperature T4

Bulb 4.8V, 0.5A. Krypton Intensity 7,000 cd (cp) max.

Output Zinc D Cells – Intermittent total

3-4 hours, continuous total 2 hours



4DC-A

IMPA Code: 33 06 07 Approvals: Lloyd's

WOLF (UK) 4DC-A

Product Safety handlamp, primary cell powered

Approval CE marked at ATEX Directive Classification (gases) Zone 1 and 2, Gas Group IIA, IIB, IIC.

Temperature T4

Classification (dusts) Zone 21 and 22, Max surface

temperature 135°

Bulb 4.8V, 0.5A. Halogen - Brighter white light

Output Akaline cell 20 hours



H-251-A

IMPA Code: 33 06 07 Approvals: Lloyd's

WOLF (UK) H-251-A

Product Rechargeable safety hand lamp

Approval CE marked at ATEX, IECEx Directive Classification (gases) Zone 1 and 2, Gas Group IIA, IIB, IIC.

Temperature T4

Classification (dusts) Zone 21 and 22, Max surface

temperature 135°

Bulb 3.75v Halogen - Brighter white light

Output Up to 7 hours



H-251-MK2

IMPA Code: 33 06 07 Approvals: Lloyd's

WOLF (UK) H-251-MK2

Product Rechargeable Safety handlamp Classification (gases) Zone 1 and 2, Gas Group IIA, IIB,

IIC. Temperature T3

Bulb 3.6V Krypton
Outpu0 hours 4-5 hours



Safety hand lamp TS-24/TS-26

IMPA Code: 79 22 61/62/63/64

Approvals: Lloyd's

WOLF (UK) SAFETY TORCHES

Product Safety torch, primary cell powered

Approval ACEX, IECEx, UL listed Model TS-26 - Straight T6 TR-26 - R/Angle T6

TS-24 - Straight T4 TR-24 - R/Angle T4

Classification (gases) Zone 1 and 2, Gas Group IIA, IIB,

IIC. Temperature T6/T4.

Classification (dusts) Zone 21 and 22, 65°C/95°C

Bulb 2.4v Halogen - Brighter white light



Battery charger

IMPA Code: 33 06 09 Approvals: Lloyd's

WOLF (UK) BATTERY CHARGER

PRODUCT CODE	C-251(E)	C-251 LV	C-251 HV(E)
Product description	Mains voltage battery charger	Low voltage lamp charger	Mains voltage lamp charger
Apparatus standard		EN60 335	
Insulation class	II	III	II
Enclosure	ABS	Polypropylene	Polypropylene
Input voltage	120/230Vac	12-32Vdc	120/230Vac*
Recharge time	5-7hrs	10-12hrs at 24v	8-10hrs
Ingress protection		IP 20	
Weight	1.3kg	0.5kg	0.75kg
Mounting	All chargers may be bench or wall mounted		
Compatible handlamp	H-251 Mk1	H-251 Mk2, H-251E, H-251A	

Breathing Apparatus



RHZK6/30

IMPA Code: 33 04 16 Approvals: EC/GL

HUAYAN BREATHING APPARATUS RHZK6/30

Air cylinder volume 6L

Air storage capacity 1500L Normal working pressure 30Mpa

Alarm pressure (5.5 ± 0.5) Mpa

Weight ≤16kg



RHZK6/30-1 cylinder

IMPA Code: 33 04 17

CYLINDER ASSEMBLY RHZK6/30-1 CYLINDER



KS-8C

IMPA Code: 33 04 16

Approvals: IBC/IGC/SOLAS

KAWASAKI BREATHING APPARATUS KS-8C

Air cylinder volume 8L
Air storage capacity 1200L
Usage time 30min
Max chargable pressure 14.7Mpa
Max test pressure 24.5Mpa
Weight 16.3kg



Draeger BA (Model PA91 plus) complete set and accessories



Panorama Nova Facemask



F2 Facemask



Face mask



Demanding (supply) valve

IMPA Code: 33 04 23

Approvals: EC

DRAEGER BREATHING APPARATUS PA91 PLUS

Set consists of:

- Impact resistant backplate and adjustable straps
- Face mask
- Lung demand valve 9LDV)
- Steel air cylinder and cylinder strap
- Warning whistle and pressure gauge
- Can be used with any Drager 200 or 300 bar cylinders, full facemask or LDV

IMPA Code: 33 11 37

FACE MASK

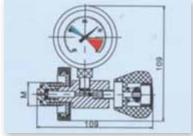
Transparent visor

DEMAND (SUPPLY) VALVE

Exhalation resistance < 700 Inhalation resistance > 0 Static pressure < 500

Breathing Apparatus Accessories / SCBA Box / Compressor





Pressure gauge unit

PRESSURE GAUGE UNIT

Joint thread M22 x 1.5 Pressure gauge $0 \sim 40 \text{ Mpa}$

0 ~ 400 bar

Joint thread G5/8

Pressure gauge $0 \sim 40 \text{ Mpa}$

0 ~ 400 bar



Inspection device for ABA

INSPECTION DEVICE FOR SCBA

M1 22 x 1.5 M2 G5/8



SCBA box

SCBA BOX

Size 410x281x710mm

Material FRP

Fire Hose



Breathing Air Compressor JUNIOR II

IMPA Code: 33 04

BAUER (GERMANY) BREATHING APPARATUS COMPRESSOR

Model: Junior II Capacity: 100ltr/min 220v or 440v, 50/60Hz Single/three phase

Refilling pressure 300 bar with adaptor conver-

tor to 200 bar



White canvas / Tetoron fire hose

IMPA Code: 33 07 Approvals: EC/GL

WHITE CANVAS / TETORON FIRE HOSE

I.D. (Inch/ mm)		Service Test Pressure (Bar/Psi)	Burst Pressure (Bar/Psi)
1-1/2"	38	21/300, 28/400	63/900, 84/1200
1-3/4"	45	21/300, 28/400	63/900, 84/1200
2"	52	21/300, 28/400	63/900, 84/1200
2-1/2"	65	21/300, 28/400	63/900, 84/1200
3"	75	17/250, 21/300	51/750, 63/900
4"	100	17/250, 21/300	51/750, 63/900



All red rubber lined synthetic fire hose

IMPA Code: 33 07 Approvals: EC/GL

ALL RED RUBBER LINED SYNTHETIC FIRE HOSE

I.D. (Inch/ mm)		Service Test Pressure (Bar/Psi)	Burst Pressure (Bar/Psi)
1-1/2"	38	21/300, 28/400	63/900, 84/1200
1-3/4"	45	21/300, 28/400	63/900, 84/1200
2"	52	21/300, 28/400	63/900, 84/1200
2-1/2"	65	21/300, 28/400	63/900, 84/1200
3″	75	21/300, 28/400	63/900, 84/1200

Portable hose binding apparatus / Fire Hose Box



Hose binding apparatus



Fixture for hose binding apparatus



Realing equipment for fire hose







Fire hose box

HOSE BINDING APPARATUS

- Manual operation
- Suitable for fire hoses of any size
- Incl. galvanized wire ø1.4mm
- Weight: 1kg

FIXTURE FOR HOSE BINDING APPARATUS

- Suitable for couplings of size A–D
- Weight: 4kg

IMPA Code: 33 07 51

FIRE HOSE BOX

Туре	XS-1 (turntable)
Measurement	554 x 654 x 190

Туре	XS-2 (large)
	(w/o turntable)

Measurement 554 x 654 x 190

Гуре	XS-4 (small)	
------	--------------	--

(Water-proof)

Measurement 486 x 486 x 188

* Note: Able to customize according to different size requirements

Foam Applicators



Portable foam applicator

IMPA Code: 33 10 76 Approvals: CCS/GL

PORTABLE FOAM APPLICATOR

Size ≥ 20L

Foam nozzle material Aluminium alloy



PQC8A

IMPA Code: 33 10 76 Approvals: CCS/GL

PORTABLE FOAM APPLICATOR WITH TANK

- Foam nozzle/branchpipe
- Portable tank containing 20ltr foam
- Foam Solution flow rate @5bar:480ltr
- Ejection distance @ 5bar:22m
- Expansion ratio : 6.5+/-10%



Fire Foam Monitor

IMPA Code: 33 04 Approvals: GL

Swiveling range

Discharge agent Foam solution

(3% or 6%) 24L/S (±8%)

Flow rate 24L/S (± 8 Throw distance ≥ 40 mm Max. working pressure 1.6MPa Rated working pressure 0.7~1.0 M

0.7~1.0 MPa Horizontal: 360° Vertical: -40° ~ 80°

Water Fog Applicator / Branch Pipes / Jet Spray Nozzles



QWJ16

IMPA Code: 33 08
Approvals: GL/CCS

WATER FOG APPLICATOR

Rated working pressure 3.5bar

Flow rate ≥210L/min

Max spray angle 180 degree

Eject distance ≥4m



IMPA Code: 33 08 Approvals: EC/GL

WATER FOG/DUAL USE BRANCHPIPE

Brass

· With and without coupling

12mmStorz/Nakajima16mmStorz/Nakajima19mmStorz/Nakajima



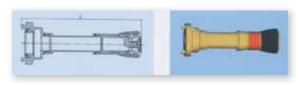
Multipurpose branchpipe







Jet/spray nozzle



Jet/spray nozzle



3 position jet/spray nozzle

IMPA Code: 33 08 BV Approvals:

MULTIPURPOSE BRANCHPIPE

Brass

IMPA Code: 33 08 Approvals: EC/GL

JET/SPRAY NOZZLE

- Brass
- Storz, Nakajima, John Morris, Machino, ANSI
- Available in sizes of 40A, 50, 65A
- Complies to SOLAS, Wheelmark and relevant EN standards

IMPA Code: 33 08 CCS Approvals:

JET/SPRAY NOZZLE

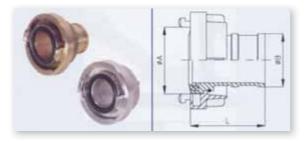
Brass

IMPA Code: 33 08 Approvals: CCS

3 POSITION JET/SPRAY NOZZLE

Brass

Storz Couplings and Caps





Delivery Hose Couplings

IMPA Code: 33 08 75/76/77

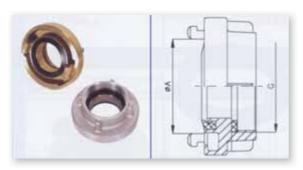
STORZ: DELIVERY HOSE COUPLINGS

Material Brass

Seal Nitrile rubber

black

STORZ SIZE	MATERIAL	A = mm lugdistance	B = mm	L = mm
D - 25	LA	31	25	50
D - 25	brass	31	25	50
38	LA	51	38	90
38	brass	51	38	90
C - 52	LA	66	52	55
C - 52	brass	66	52	55
65	LA	81	65	60
65	brass	81	65	60
B - 75	LA	89	75	60
B - 75	brass	89	75	60



Adapter with female thread

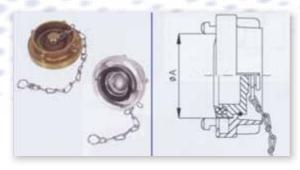
STORZ: ADAPTER WITH FEMALE THREAD

Material Brass

Seal Nitrile rubber

black

STORZ SIZE	MATERIAL	A = mm lugdistance	G = inch
D - 25	LA	31	1"
D - 25	brass	31	1"
38	LA	51	2"
38	brass	51	2"
C - 52	LA	66	2"
C - 52	brass	66	2"
65	LA	81	21/2"
65	brass	81	21/2"
B - 75	LA	89	2"
B - 75	brass	89	2"



Blank cap with chain

STORZ: BLANK CAP WITH CHAIN

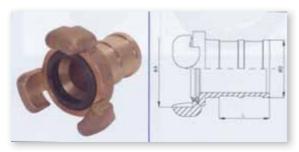
Material Brass

Seal Nitrile rubber

black

STORZ SIZE	MATERIAL	A = mm lugdistance
D - 25	LA	31
D - 25	brass	31
38	LA	51
38	brass	51
C - 52	LA	66
C - 52	brass	66
65	LA	81
65	brass	81
B - 75	LA	89
B - 75	brass	89

Barcelona, Gost, Instantaneous Couplings and Caps



Delivery Hose Couplings

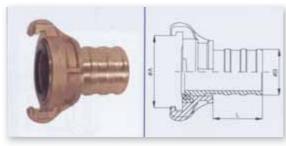
BARCELONA: DELIVERY HOSE COUPLINGS

Material Brass

Seal Oil and petrol

resistant

SIZE	Ø A = mm	Ø B = mm	L = mm
DN 45	62	38	46
DN 70	85	64	54



Delivery Hose Couplings

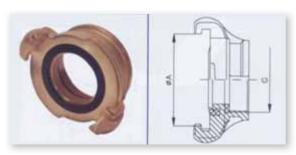
GOST: DELIVERY HOSE COUPLINGS

Material Brass

Seal Oil and petrol

resistant

SIZE	Ø A = mm	Ø B = mm	L = mm
DN 50	79	52	63
DN 70	96	64	68



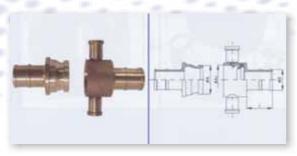
Adapters - female thread

GOST: ADAPTERS - FEMALE THREAD

Material Brass

Seal Oil and petrol

SIZE	Ø A = mm	G = inch
DN 50	79	2"
DN 70	96	2½"



Delivery Hose Couplings - male/female

IMPA Code: 33 08 59/60/61

INSTANTANEOUS: DELIVERY HOSE COUPLINGS – MALE/FEMALE

Material Brass

Seal Oil and petrol

resistant

SIZE	Ø A = mm	Ø A1 = mm	Ø B = mm	L = mm
DN 11/2"	44	48	38	50
DN 21/2"	71	74.8	38	70
DN 21/2"	71	74.8	52	70
DN 21/2"	71	74.8	64	70

Adapters – female thread

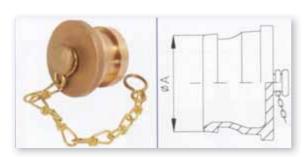
INSTANTANEOUS: ADAPTERS – FEMALE THREAD

Material Brass

Seal Oil and petrol

resistant

SIZE	Ø A = mm	G = inch
DN 11/2"	48	2"
DN 21/2"	74.8	2"



Blank Caps with Chain

BLANK CAPS WITH CHAIN

Material Brass

Seal Oil and petrol

SIZE	Ø A = mm	G = inch
DN 11/2"	44	2"
DN 21/2"	71	2"

Machino Couplings And Caps



Blank caps with chain – female

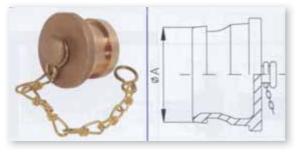
INSTANTANEOUS: BLANK CAPS WITH CHAIN – FEMALE

Material Brass

Seal Oil and petrol

resistant

SIZE	A = mm
DN11/2" LA	48
DN 1½" brass	48
DN 21/2" LA	74.8
DN 21/2" brass	74.8



Blank caps with chain - male

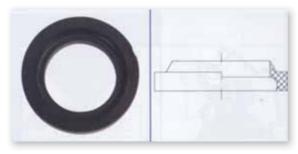
INSTANTANEOUS: BLANK CAPS WITH CHAIN – MALE

Material Brass

Seal Oil and petrol

resistant

SIZE	A = mm
DN 1½" LA	44
DN 1½" brass	44
DN 21/2" LA	71
DN 21/2" brass	71

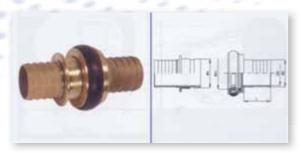


Sealing rings

INSTANTANEOUS: SEALING RINGS

Oil and petrol resistant

SIZE	MATERIAL	
DN 11/2"	nitrile rubber	
DN 21/2"	nitrile rubber	



Delivery Hose Couplings - male/female

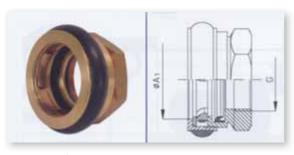


IMPA Code: 33 08 55/56/57

COUPLINGS – MALE/FEMALE

Material Brass

SIZE	MALE Ø A	х	FEMALE Ø A1	ØD	L
DN 11/2"	43.5	Χ	46.0	38	43
DN 21/2"	68.4	Х	73.0	63	65

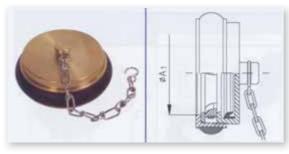


Adapters – female

MACHINO: ADAPTERS - FEMALE

Material Brass

SIZE	Ø A = mm	G = zoll
DN 11/2"	45.0	1½"
DN 21/2"	71.4	2 ½"



Blank caps with chain – female

MACHINO: BLANK CAPS WITH CHAIN – FEMALE

Material Brass

SIZE	Ø A = mm
DN 11/2"	46.0
DN 21/2"	73.0



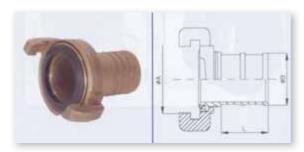
Sealing rings

MACHINO: SEALING RINGS

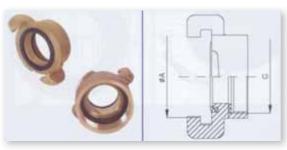
Oil and petrol resistant

SIZE	MATERIAL
DN 11/2"	nitrile rubber
DN 21/2"	nitrile rubber

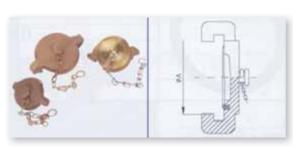
Nakajima, Nor Couplings and Caps



Delivery hose couplings



Adapters - female thread





Blank caps with chain

IMPA Code: 33 08 51/52/53

NAKAJIMA: DELIVERY HOSE COUPLINGS

Material Brass

Seal oil and petrol

resistant

SIZE	Ø A = mm	Ø B = mm	L = mm
DN 40	61	38	45
DN 50	74	52	55
DN 65	92	38	58
DN 65	92	52	58
DN 65	92	64	58

NAKAJIMA: ADAPTERS - FEMALE THREAD

Material Brass

Seal oil and petrol

resistant

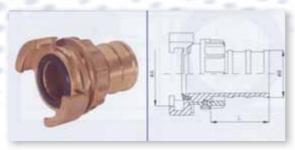
SIZE	Ø A = mm	G = inch
DN 40	61	1½"
DN 40	61	2"
DN 50	74	2"
DN 65	92	2"
DN 65	92	21/2"

NAKAJIMA: BLANK CAPS WITH CHAIN

Material Brass

Seal oil and petrol

SIZE	Ø A = mm
DN 40	61
DN 50	74
DN 65	92



Delivery hose couplings

IMPA Code: 33 08 62/63/64

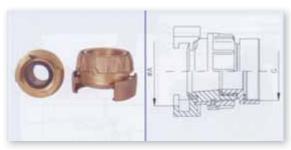
NOR: DELIVERY HOSE COUPLINGS

Material Brass

Seal oil and petrol

resistant

SIZE	Ø A = mm	Ø B = mm	L = mm
DN 1½"	50	38	60
DN 2"	66	52	60
DN 21/2"	83	38	60
DN 21/2"	83	52	60
DN 21/2"	83	64	60



Adapters

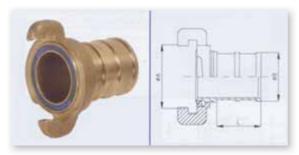
NOR: ADAPTERS

Material Brass

Seal oil and petrol

SIZE	Ø A = mm	G = inch
DN 11/2"	50	1½"
DN 2"	66	2"
DN 21/2"	83	2"
DN 21/2"	83	21/2"

Nunan & Stove, French Couplings and Caps



Delivery hose couplings

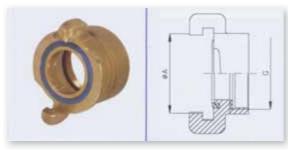
NUNAN & STOVE: DELIVERY HOSE COUPLINGS

Material Brass

Seal oil and petrol

resistant

SIZE	Ø A = mm	Ø B = mm	L = mm
DN 11/2"	61	38	45
DN 2"	68	52	53
DN 21/2"	84	64	58



Adaptors

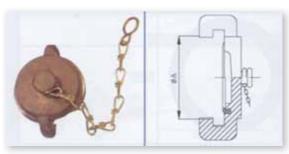
NUNAN & STOVE: ADAPTORS

Material Brass

Seal oil and petrol

resistant

SIZE	Ø A = mm	G = zoll
DN 11/2"	61	2"
DN 2"	68	2"
DN 21/2"	84	2"



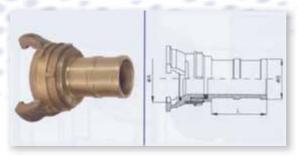
Blank cap with chain

NUNAN & STOVE: BLANK CAP WITH CHAIN

Material Brass

Seal oil and petrol

SIZE	Ø A = mm
DN 11/2"	61
DN 2"	68
DN 21/2"	84



Delivery hose couplings – male/female

FRENCH/GUILLEMIN: DELIVERY HOSE COUPLINGS

- MALE/FEMALE

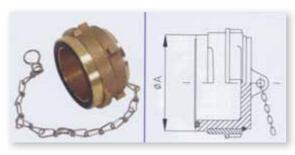
Material Gunmetal (GM)

Brass

Seal oil and petrol

resistant

SIZE	MATERIAL	Ø A = mm	Ø B = mm	L = mm
DN 40	brass	55	38	64
DN 40	GM	55	44	64
DN 40	BZ	69	50	45
DN 40	GM	55	38	64
DN 50	LA	69	50	45
DN 50	brass	69	50	45
DN 65	GM	84	52	70
DN 65	GM	84	64	70
DN 65	GM	84	70	70



Blank caps with chain, with locking

FRENCH/GUILLEMIN: BLANK CAPS WITH CHAIN, WITH LOCKING

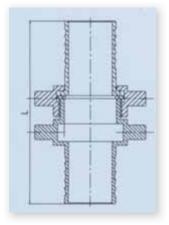
Material Gunmetal (GM)

Brass

Seal oil and petrol

SIZE	MATERIAL	Ø A = mm
DN 40	BZ	55
DN 40	GM	55
DN 50	brass	69
DN 65	GM	84

International Shore Connection





Delivery hose coupling

IMPA Code: 33 08 65/66

Approvals: CCS

USA-ANSI: DELIVERY HOSE COUPLING

Material Brass

ТҮРЕ	L (mm)
KX40B	162
KX65	230



International shore connection without coupling

IMPA Code: 33 08

INTERNATIONAL SHORE CONNECTION WITHOUT COUPLING

Brass

DN40, DN50, DN60



International shore connection with Storz coupling

IMPA Code: 33 08

INTERNATIONAL SHORE CONNECTION WITH STORZ COUPLING

· Coupling: brass

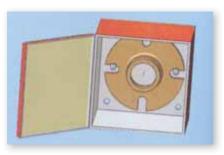
ANSI Couplings and Caps



Sealing for international shore connection



Bolts and nuts for international shore connection



International shore connection box



Coupling spanner Storz



Coupling spanner Nakajima

IMPA Code: 33 08

SEALING FOR INTERNATIONAL SHORE CONNECTION

BOLTS AND NUTS FOR INTERNATIONAL SHORE CONNECTION

- Brass
- 4 x M16 bolts with nuts and 8 washers

INTERNATIONAL SHORE CONNECTION BOX

Dimensions 210 x 210 x 180 Material Fibreglass

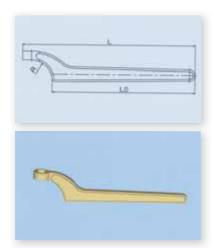
COUPLING SPANNER STORZ

Brass

COUPLING SPANNER NAKAJIMA

DN40, DN50, DN65

Fire Hydrants



Coupling spanner Nakajima DN 50



COUPLING SPANNER ANSI

Material Brass

TYPE	L0 (mm)	L (mm)	R (mm)	
UB40	192	232	28	
UB65	192	250	44	



F Type spanner

IMPA Code: 61 59 40-47

FIRE HYDRANT WHEEL SPANNER F TYPE

Material

Brass

SIZE	LENGTH
1 1/4"	300mm
1 1/2"	450mm



Fire hydrant spanner

IMPA Code: 61 12 31/32

FIRE HYDRANT SPANNER

IMPA Code: 61 12 31/32

UNIVERSAL FIRE HYDRANT SPANNER



Universal fire hydrant spanner



Fire hydrant

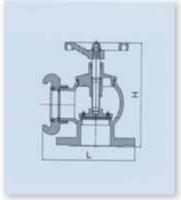
IMPA Code: 75 60 Approvals: CCS

FIRE HYDRANT STRAIGHT

Structure style Straight / 180 degrees Inlet Flange / Screw thread

Material Brass





Fire hydrant 90°

IMPA Code: 75 60 Approvals: CCS

FIRE HYDRANT ANGLED

Structure style 90 degrees

Inlet Flange / Screw thread

Material Brass

LIFERAFTS AND LIFEBOATS

- Liferafts
- Llfeboats/Rescue Boats
- Davits
- Limit switch/Quick Release/HRUs
- Accessories for liferafts and lifeboats

Liferafts



TOKUGAWA LIFERAFTS

All Tokugawa liferafts - throwoverboard, davit launch and open reversible types - have been certified according to the latest 2012 IMO regulations, European Commission (EC) and German Lloyd's

Quality control in the manufacturing process and the use of quality emergency equipment ensures that TOKUGAWA liferafts are of good value in the competitive global market.

Our liferaft ranges from 6 men to 65 men.

Features:

- Liferaft emergency A Pack comply to SOLAS and flag requirements
- · Galvanized cradle
- Hammer H₂O Hydrostatic release unit for automatic inflation
- Wire lashing
- Standard accessories
- Rigid container

WORLDWIDE SERVICE STATIONS

Our global network of authorised service stations:

China, India, Singapore, Malaysia, Vietnam, Philippines, Indonesia, Korea, South Africa, Mexico, Greece, Turkey, USA

IMPA Code: 33 01 01 - 33 01 05

Approvals: EC/GL/SOLAS



DLR-A-10



DLR-A-15



DLR-A-20



DLR-A-16



DLR-A-25



New IMO requirements into force on 1st January 2012

CONVENTION	REFERENCE	SUMMARY	ORIGIN
LSA Code	Ch 4	Carrying capacity of Rigid and Inflatable Liferafts to be calculated with an average mass of 82.5kg (Instead of 72kg previously).	MSC 293(87)
Res MSC.81(70)	Parts 1 & 2	Testing of LSA = Carrying capacity of prototypes to be calculated with an average mass of 82.5kg (instead of 72kg previously).	MSC 293(87)

LIFERAFTS AND LIFEBOATS

Liferafts

TOKUGAWA THROW OVER-BOARD INFLATABLE LIFERAFT

MODEL	CAPACITY LENGTH WIDTH HEIGHT WEIGHT		WEIGHT	CONTAINER S	SIZE (Ø x mm)		
MODEL	CAPACITY	mm	mm	mm	kg	С	D
CHF/DLR-A-6	6	2175	2175	1250	≤ 100	610x1100	550x1100
CHF/DLR-A-10	10	2295	3260	1300	≤ 130	685x1150	550x1100
CHF/DLR-A-15	15	2670	4070	1350	≤ 165	700x1300	660x1100
CHF/DLR-A-16	16	2700	4130	1350	≤ 175	700x1300	660x1100
CHF/DLR-A-20	20	3000	4600	1570	≤ 195	740x1500	720x1100
CHF/DLR-A-25	25	3325	5095	1650	≤ 215	740x1500	720x1100

TOKUGAWA DLR-D TYPE DAVIT-LAUNCHED INFLATABLE LIFERAFT

MODEL	CAPACITY	WEIGHT kg
DLR-D12	12	140
DLR-D15	15	170
DLR-D16	16	180
DLR-D20	20	200
DLR-D25	25	240

TOKUGAWA DLR-K TYPE OPEN REVERSIBLE INFLATABLE LIFERAFT

HSC PACK

MODEL	CAPACITY	WEIGHT kg
DLR-K20	20	106
DLR-K30	30	127
DLR-K50	50	186
DLR-K65	65	225



EC Certificate Type Examination (Module B)



This is to certify that

Germanischer Lloyd, a Notified Body under the terms of the Marine Equipment Directive 96/98/EC of 20 December 1996, did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the requirements of Marine Equipment Directive (MED) 96/98/EC as amended, subject to any conditions in the schedule attached barette.

Certificate No. 36 855 - 11 HH

Applicant Shanghai Cunhong Marine Lifesaving Appliance Co., Ltd.

No. 60 GuYue Road, Tangwai Community, FenCheng Town, FengYian District Shanghai 201408, P.R. CHINA

Manufacturer Shanghai Cunhong Marine Lifesaving Appliance Co., Ltd.

No. 60 GuYue Road, Tangwai Community, FenCheng Town, FengYlan District Shanghai 201408, P.R. CHINA

Product Description Inflatable liferafts, CHF(DLR), throw-over-board type SOLAS A and B Pack

Product Name CHF (DLR)-A6, -A10, -A12, -A15, -A16, -A20, -A25

Trade Name CUNHONG, TOKUGAWA

Specified Standards SOLAS 74/78 Reg.III/4, 13, 21, 26, 31 and 34, X/3

MSC.48(66) LSA Code I, IV, MSC/Circ.811

MSC.207(81), MSC.218(82), MSC.226(82), MSC.293(87), MSC.295(87), MSC.36(63)- (1994 HSC Code) 8, MSC.97(73)-(2000 HSC Code) 8,

IMO Res.MSC 81(70)

Related Directive 2010/68/EC

Equipment Section Life-saving appliances

Annex A.1 Item No. A.1/1.12

Date of Issue 2012-01-02 Expiry Date 2017-01-01

Germanischer Lloyd

Notified Body No.: 0098

Page 1 of 3



Nils Wegener

LIFERAFTS AND LIFEBOATS

Liferafts



IMPA Code: 33 01 01 - 33 01 05

Approvals: EC/GL/CCS/SOLAS KHA type throw over board inflatable liferafts

YOULONG KHA TYPE THROW OVER BOARD INFLATABLE LIFERAFTS

	ТҮРЕ								
NAME	KHA-6	KHA-8	KHA-10	KHA-12	KHA-15	KHA-16	KHA-20	KHA-25	KHA-30
CAPACITY (PERS)	6	8	10	12	15	16	20	25	30
PACKING DIMENSIONS (mm)	ø 545 x 1045	ø 545 x 1045	ø 615 x 1095	ø 615 x 1095	ø 670 x 1135	ø 670 x 1135	ø 690 x 1285	ø 720 x 1450	ø 720 x 1450
TOTAL WEIGHT ≤ kg	75	85	98	109	127	135	155	170	185



KHD type davit-launched inflatable liferafts

IMPA Code: 33 01 01

Approvals: EC/GL/CCS/SOLAS

YOULONG KHD TYPE DAVIT-LAUNCHED INFLATABLE LIFERAFTS

			TYPE		
NAME	KHD-12	KHD-15	KHD-16	KHD-20	KHD-25
CAPACITY (PERS)	12	15	16	20	25
PACKING DIMENSIONS (mm)	ø 695 x 1285	ø 695 x 1285	ø 695 x 1285	ø 785 x 1390	ø 785 x 1390
TOTAL WEIGHT ≤ kg	125	138	140	160	185



IMPA Code: 33 01 01 Approvals: EC/GL/CCS/SOLAS

KHZ type self righting inflatable liferafts

YOULONG KHZ TYPE SELF RIGHTING INFLATABLE LIFERAFTS

	ТҮРЕ								
NAME	KHZ-6	KHZ-10	KHZ-15	KHZ-20	KHZ-25	KHZ-50	KHZ-100	KHZ-110	KHZ-125
CAPACITY (PERS)	6	10	15	20	25	50	100	110	125
PACKING DIMENSIONS (mm)	ø 615 x 1095	ø 670 x 1135	ø 690 x 1285	ø 720 x 1450	ø 735 x 1495	ø 895 x 2095	ø 1050 x 2400	ø 1050 x 2400	ø 1050 x 2400
TOTAL WEIGHT ≤ kg	87	109	131	180	205	350	800	860	920

IMPA Code: 33 01 01

Approvals: EC/GL/CCS/SOLAS



KHZ type open reversible inflatable liferafts

YOULONG KHK TYPE OPEN REVERSIBLE INFLATABLE LIFERAFTS

	ТҮРЕ							
NAME	KHK-6	KHK-10	KHK-25	KHK-30	KHK-50	KHK-65	KHK(HK)-72	KHK(HK)-72*2
CAPACITY (PERS)	6	10	25	30	50	65	72	72*2
PACKING DIMENSIONS (mm)	ø 520 x 1000	ø 545 x 1045	ø 615 x 1095	ø 615 x 1095	ø 720 x 1450	ø 720 x 1450	ø 680 x 1320	ø 792 x 1700
TOTAL WEIGHT ≤ kg	40	60	88	100	140	170	165	300

LIFERAFTS AND LIFEBOATS

Liferafts / Lifeboats



KHY type inflatable leisure liferafts

IMPA Code: NA

Approvals: EC/GL/CCS/SOLAS

YOULONG KHY TYPE INFLATABLE LEISURE LIFERAFTS

				TYPE		
NAME		KHY-4	KHY-6	КНҮ-8	KHY-10	KHY-12
CAPACITY (PERS)		4	6	8	10	12
PACKING	Valise	ø 360 x 710	ø410 x 720	ø 410 x 720	ø 410 x 820	ø 440 x 870
DIMENSIONS (mm)	Container	760 x 485 x 360	765 x 530 x 370	765 x 545 x 380	815 x 560 x 390	915 x 560 x 370
TOTAL MEIGHT dies	Valise	32	38	41	47	49
TOTAL WEIGHT ≤ kg	Container	36	45	50	55	58

Lifeboats / Rescue boats





Totally enclosed lifeboat/rescue boat

IMPA Code: 33 01

Approvals: EC/BV/NK/ABS/GL

TOTALLY ENCLOSED LIFEBOAT / RESCUE BOAT

MODEL	DIMENSION (m)	PERSON	HOOK DISTANCE (m)	TOTAL HEIGHT (m)	TOTAL WEIGHT (kg)
JY50C/F	5.00 x 2.20 x 1.20	20	4.60	3.00	3702 / 3894
JY50CA/FA	5.00 x 2.20 x 1.20	30	4.60	3.00	4359 / 4679
JY57C/F	5.00 x 2.20 x 1.20	25	5.30	3.00	4180 / 4580
JY65C/F	6.50 x 2.30 x 1.20	36	6.10	3.10	5488 / 5768
JY70C/F	7.00 x 2.70 x 1.10	51	6.60	3.10	6876 / 7190

MODEL	DIMENSION (m)	PERSON	HOOK DISTANCE (m)	TOTAL HEIGHT (m)	TOTAL WEIGHT (kg)
JY80C/F	8.00 x 2.85 x 1.20	56	7.60	3.10	7230 / 7483
JY80CA/FA	8.00 x 2.85 x 1.20	72	7.60	3.10	8720 / 9060
JY85C/F	8.50 x 3.10 x 1.22	66	8.00	3.10	8526 / 8830
JY85CA/FA	8.50 x 3.15 x 1.20	85	8.10	3.10	10724 / 11066
JY93C/F	9.30 x3.45 x 1.20	106	8.90	3.35	13000 / 13350
JY102C/F	10.28 x 3.50 x 1.30	130	8.95	3.35	14390 / 14800
JY117C/F	11.70 x 3.55 x 1.50	150	11.30	3.40	16390 / 16800

LIFERAFTS AND LIFEBOATS

Lifeboats / Rescue boats





Freefall lifeboat

IMPA Code: 33 01

Approvals: EC/BV/NK/ABS/GL

FREEFALL LIFEBOAT

CARGO SHIP

MODEL	LENGTH (m)	BREADTH (m)	HEIGHT (m)	LIGHT LOAD (kg)	FULL LOAD (kg)	PERSONS MAX
JY49CF	4.90	2.36	3.00	2610	4110	20
JY59CF	5.90	2.36	3.10	2770	4645	28
JY67CF	6.75	2.75	3.10	3715	6415	38
JY85CF	8.5	2.75	3.20	4415	8165	50
JY105CF	10.5	2.75	3.30	6750	11550	64

TANKERS

MODEL	LENGTH (m)	BREADTH (m)	HEIGHT (m)	LIGHT LOAD (kg)	FULL LOAD (kg)	PERSONS MAX
JY49FF	4.90	2.36	3.00	2950	4450	20
JY59FF	5.90	2.36	3.10	3108	4983	28
JY67FF	6.75	2.75	3.10	4015	6715	38
JY85FF	8.5	2.75	3.20	4755	8505	50
JY105FF	10.5	2.75	3.30	7100	11900	64









FRP rescue boat/fast rescue boat

IMPA Code: 33 01

Approvals: EC/BV/NK/ABS/GL

FRP RESCUE BOAT/FAST RESCUE BOAT

MODEL	DIMENSION (m)	PERSON	SPEED (KNOT)	TOTAL HEIGHT (m)	ENGINE
JY40KR	4.00 x 1.86 x 0.86	8/3	>6/>10	1185	25HP
JY45DR	4.50 x 1.70 x 0.75	8	>6	1437	28-30HP
JY45KR	4.50 x 1.86 x 0.86	6/3	>6/>10	1080	25HP
JY54KR	5.40 x 1.86 x 0.88	6/3	>6/>10	1250	25HP

MODEL	DIMENSION (m)	PERSON	SPEED (KNOT)	TOTAL HEIGHT (m)	ENGINE
JY60KR	6.00 x 2.20 x 1.05	15/3	>8/25	2260	60HP/75HP
JY65KR	6.50 x 2.20 x 1.05	15/3	>20/>25	2595	144-212HP

LIFERAFTS AND LIFEBOATS

Davits



Gravity luffing arm type davit

IMPA Code: 33 01

Approvals: EC/BV/NK/ABS/GL

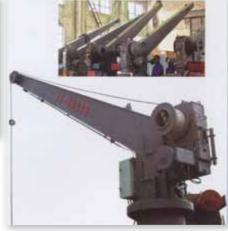
GRAVITY LUFFING ARM TYPE DAVIT

MODEL	S.W.L	SUITABLE
JY-LE50	50	JY50CA
JT-LESU	50	JY50C/F JY57C/F
IV I F6F	70	JY65C/F
JY-LE65	/0	JY70C/F
		JY70C/F
JY-LE85	90	JY80C/F
		JY80CA/F
JY-LE100	115	JY-85C/F
JY-LETUU	115	JY85CA/FA
IV I F1 F0	155	JY93C/F
JY-LE150	155	JY102C/F





Single arm slewing boat/raft davit & crane



IMPA Code: 33 01

Approvals: EC/BV/NK/ABS/GL

SINGLE ARM SLEWING BOAT/RAFT DAVIT & CRANE

MODEL	S.W.L (K.N)	SUITABLE	MAX STEWING RESULTS
JY-SAF21	S.W.L 21KN 14kn for hoisting 14KN for slewing	Rescue Boat and life raft	≤ 5.4M
JY-SA23	S.W.L 23KN	Only for rescue boat	
JY-SAF23	14KN for hoisting	For rescue boat and liferaft	≤ 5M
JY-SAFC23	14KN for slewing	For rescue boat, life raft	Crane: <7M
J1-SAFC25	1.5T for Crane	and crane	
JY-SA23S	S.W.L 23KN	Only for life raft	< 4.2M





Gravity rolling type davit

IMPA Code: 33 01

Approvals: EC/BV/NK/ABS/GL

GRAVITY ROLLING TYPE DAVIT

MODEL	S.W.L	SUITABLE
		JY50C/F
JY-RE65	65	JY50CA/FA
JY-KEOD	65	JY57C/F
		JY65C/F
		JY70C/F
JY-RE85	85	JY80C/F
		JY80CA/F
JY-RE120	120	JY85C/F
J1-KE120	120	JY85CA/FA
JY-RE155	155	JY93C/F
	155	JY102C/F

IMPA Code: 33 01

Approvals: EC/BV/NK/ABS/GL

LAUNCHING APPLIANCE FOR FREEFALL LIFEBOAT











MODEL	S.W.L (K.N)	SUITABLE
IV THEF	55	JY49CF/FF
JY-FH55	55	JY59CF/FF
JY-FH70	70	JY67CF/FF
JY-FH90	90	JY85CF/FF
JY-FH138	138	JY105CF/FF

LIFERAFTS AND LIFEBOATS

Limit Switch / Quick Release / Battery Charger / HRU



Limit switch

LIMIT SWITCH

· Davit, Winch limit switch

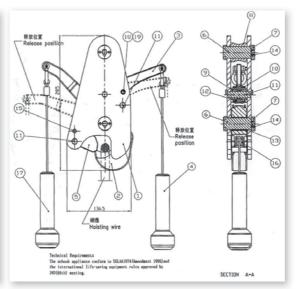


15Kn quick release hook

LIFEBOAT AND LIFERAFT QUICK RELEASE HOOK Main Material 15KN, 35KN



35Kn quick release hook





Lifeboat battery chargers





Lifefloat



JSQ-III

LIFEBOAT BATTERY CHARGERS

24V, 42V, 220V AC

• 2 x 12V, 2 x 5A DC

• IP56

IMPA Code: 33 01 19 Approvals: CCS

LIFEFLOAT

Main Material Outer-HDPE; Inner-

Polyurathane Foam

Measurement 1500x980x2500mm

Thickness of Shell 1.5–2.8mm
Capacity 10 persons
Weight \leq 40kg
Buoyancy >220kg

IMPA Code: 33 01 19 Approvals: CCS

HYDROSTATIC RELEASE UNITS

Model JSQ-III

Material Stainless Steel

Release Depth $2\sim4m$ Breaking Strength $2.2\pm0.4KN$

LIFERAFTS AND LIFEBOATS

Accessories for Liferafts and Lifeboats



 $Hammar H_2O$

IMPA Code: 33 01 19 Approvals: MED

HAMMAR (SWEDEN) HYDROSTATIC RELEASE UNIT

- for liferaft
- for EPIRB



Single cradle



Liferaft bracket (inclining)

IMPA Code: 33 01 09/10,

33 01 61/62/63/64/65

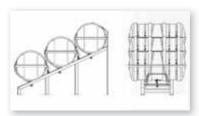
LIFERAFT CRADLES

- Deck cradle
- Single cradle
- Column cradle
- Double cradle
- Triple cradle
- Customisation available upon request





Column cradle and double cradle



Triple cradie



Bravo liferaft pump



Food ration



Fresh water



Liferaft accessories

BRAVO LIFERAFT PUMP

- Strong resistant plastic
- Coloured PVC bellows
- 3 types of connection nozzles

IMPA Code: 33 02 23
Approvals: SOLAS/USCG

SOS (USA) FOOD RATION

- Complies with Halal and Vegetarian requirements
- Each packet provides 2,400 kcal (10,000kJ) and contains 6 individually wrapped, fortified food bars of 400 kcal (1,667kJ)

IMPA Code: 33 02 26
Approvals: SOLAS/USCG

SOS (USA) FRESH WATER

- 125ml per packet
- Purified by reverse osmosis

- Lashing belt / Wire PVC Coated
- Shackle
- Turnbuckle
- Weak link
- Pelican hook

Accessories for Liferafts and Lifeboats



Painter line



Buoyant paddles



Radar reflector



Fishing tackle



Wind proof match

PAINTER LINE

Length

twice distance from storage place to the water

lin

Diameter of rope End shackle size ø22mm

ø22mm, Galvanized

IMPA Code: 33 02 84

BUOYANT PADDLES

IMPA Code: 33 01 90 Approvals: CCS

RADAR REFLECTOR

IMPA Code: 33 02 54

FISHING TACKLE

IMPA Code: 33 02 07

WIND PROOF MATCH



Buoyant Rescue Quoit & line



IMPA Code: 33 02 52

BUOYANT RESCUE QUOIT & LINE

WHISTLE

IMPA Code: 33 02 12



Jack knife

Whistle

IMPA Code: 33 02 50

JACK KNIFE



Daylight signal mirror

IMPA Code: 33 02 71

DAYLIGHT SIGNALLING MIRROR

IMPA Code: 33 02 02

OUTRIGGER THOLE



Outrigger thole

Accessories for Liferafts and Lifeboats



Can opener



Hatchet



Survival manual



Manual Bilge pump



Oil lamp

IMPA Code: 33 02 49

CAN OPENER

IMPA Code: 33 02 03

HATCHET

Steel hatchet for lifeboats with wooden handle

Approvals: EC/GL

SURVIVAL MANUAL

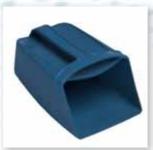
IMPA Code: 33 02 80

MANUAL BILGE PUMP

Capacity up to 43lt, long shaft

IMPA Code: 33 02 05

OIL LAMP



Plastic bailer



Sea anchor



Seasick pills



Signal tables

IMPA Code: 33 02 01

PLASTIC BAILER

IMPA Code: 33 02 16 Approvals: NA

SEA ANCHOR

SEASICK PILLS

IMPA Code: 33 02 18

SIGNAL TABLES

Accessories for Liferafts and Lifeboats



Morse signalling torch



Flash light



Battery with FRP box



Drinking Vessel



Buoyant Handle Knife

IMPA Code: 33 02 61

MORSE SIGNALLING TORCH

Rubber insulated, waterproof

IMPA Code: 33 02 64

FLASH LIGHT

Searchlight

BATTERY

24V battery in FRP box for lifeboat searchlight

IMPA Code: 33 02 42

DRINKING VESSEL

IMPA Code: 33 02 49

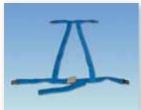
BUOYANT HANDLE KNIFE





Two knot type







IMPA Code: 33 11 04

LIFEBOAT SEAT BELT TWO/THREE/FOUR **KNOTS TYPE**

Strength 150kg

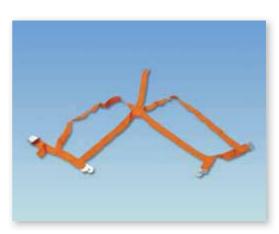
Polypropylene width 4.0cm Band

Material Aluminium alloy

and stainless steel

Colour Orange, blue,

black, red



Three knot type

NAVIGATION AND NAUTICAL EQUIPMENT

- Day Signal
- Marine clock/Chronometer/Marine tide clock/
 Radio room clock
- Barometer/Barothermometer/ Clinometer/Barograph
- Chronometer/Compasses
- Reflector compass
- Clearview screen/Binoculars/Sextant
- Wind speed indicator/Wind sock/Thermometer
- Digital thickness meter/Salinometer/ Sampling bottle
- Ship bell and bracket/Gong/Charting set

Day Signal



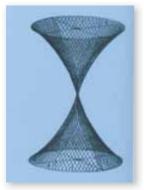
Ball



Cylinder



Conical



Double Cone



Diamond

IMPA Code: 37 05 81

BALL

Diameter 600mm / 300mm

IMPA Code: 37 05 82

CYLINDER

Diameter 600x1200mm

IMPA Code: 37 05 83

CONICAL

Diameter 600mm

IMPA Code: 37 05 84

DOUBLE CONE

Diameter 600x1200mm

IMPA Code: 37 05 85

DIAMOND

Diameter 600x1200mm

Marine Clock / Chronometer / Marine Tide Clock / Radio Room Clock



Barigo Quartz Clock 587



Barigo 611

11 12 1 10 3 8 3 7 6 5

Camon marine clock

BARIGO QUARTZ CLOCK 587

- Solid brass case
- White dial Ø 150mm

IMPA Code: 3702

BARIGO MARINE CLOCK 611

- Solid brass case 155 x 35mm
- White dial Ø 130mm

CAMON MARINE CLOCK

- Stainless steel case
- White dial Ø 250mm



Comfortmeter



Marine tide clock



Camon radio room clock

IMPA Code: 37 02 56

CAMON COMFORTMETER

- Solid brass case
- Dial Ø 140mm

IMPA Code: 37 02

MARINE TIDE CLOCK

- Solid brass case
- Dial Ø 140mm

IMPA Code: 37 02 01

CAMON RADIO ROOM CLOCK

- Solid brass case
- Dial Ø 200mm

Barometer / Barothermometer / Clinometer / Barograph





111MS

111CR

IMPA Code: 37 02 46

BARIGO BAROMETER 111

- Solid brass case 155 x 35mm
- White dial Ø 130mm





Camon barometer

IMPA Code: 37 02 46

CAMON BAROMETER

- Solid brass case
- Dial Ø 140mm



Barigo Barometer/Thermometer 586

IMPA Code: 37 02 46

BARIGO BAROMETER/THERMOMETER 586

- Solid brass case Ø 180 x 70 mm
- White dial Ø 150 mm



WOODEN/PLASTIC PENDULUM CLINOMETER

IMPA Code: NA

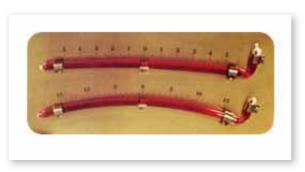
WOODEN/PLASTIC PENDULUM CLINOMETER



Barigo clinometer 911



Camon double tube type



Heel indicator type clinometer



Barograph

IMPA Code: 37 02 41

BARIGO CLINOMETER 911

- Solid brass case Ø 155 x 35 mm,
- White dial Ø 130 mm

IMPA Code: 37 02 42

CAMON DOUBLE TUBE TYPE CLINOMETER

HEEL INDICATOR TYPE CLINOMETER

Heel Indicator consists of two bubble type spirit-filled glass tubes on 17" x 18" stainless steel graduated panel. Top tube is 0-20° each side of vertical in 1/4° divisions. Lower tube is 0-45° each side vertical in 1/2° divisions.

IMPA Code: 37 02

BARIGO BAROGRAPH

With 8 diaphragm, case of mahogany and gold plated metal parts or matt mahogany case with black laquered metal parts, 300 x 170 x 180 mm

Chronometer / Compasses



Barigo 1220



Chronometer



Handbearing compass



Yu Qin compass

IMPA Code: 37 02 07

BARIGO MARINE CHRONOMETER WITH BOX 1220

- Solid mahogany/brass, polished case 140 x 140mm
- White dial Ø 100mm

IMPA Code: 37 02 07 Approvals: Mill Cert

WEMPE CHRONOMETER

- Solid mahogany case 155x155x75mm
- Dial Ø 80mm

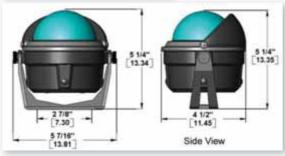
IRIS HANDBEARING COMPASS

- Conical card with double reading (direct and horizontal)
- Gimbaled magnetic set: the card remains perfectly horizontal, whatever the angle of compass installation
- 2 mobile lubber lines
- Legendary plastimo pivot and hard stone guarantee accuracy and durability
- Floats

YU QIN COMPASS

Size 3", 2.5"







Camon box compass



MR-150

Approvals: EC/BV

RITCHIE (USA) B81 BRACKET MOUNT COMPASS

- 3" CombiDamp Dial
- Adjustable and removable with bracket and thumbscrews
- Exclusive built-ingreen night illumination
- Built-in compensators to easily adjust for deviation
- Scientifically matched sapphire jewel and hardened steel pivot dial movement
- Powerful directive force magnets for fast heading lock-on
- Movable sun shield
- High temperature composite construction for extended operating range
- Exclusive 5-Year Ritchie Warranty

CAMON BOX COMPASS

- Bronze compass in wooden box
- · Built in lighting
- Dial diameter: 150mm, 130mm, 100mm, 75mm

IMPA Code: 37 25 51

SAURA REFLECTOR COMPASS MR-150

Card Card diameter 150mm/6in

Graduated 000°~360°

Operating -20°C~+60°C

temperature range

Direction error Within 0.5°
Fore-and-aft-marks Provided
Bearing graduation Provided
Periscope/optics Length

650~720mm as standard

Power source DC24V

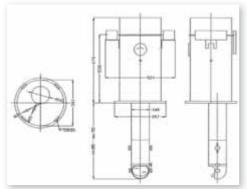
Dimensions

495x360x1465(long) / 495x360x(short)

Weight 24kg

Reflector Compass





SR2-150 PK/PKK

IMPA Code: 37 25 51

DAIKO REFLECTOR COMPASS

Model SR2-150 PK/PKK

SR2-165 PS/PSK

Accessories Corrector plate

Flinders bar Shadow pin Packing rubber Switch box

Spare Parts Mirror

Lamp(DC24V/10W) Cleaning cloth Anti-cloud oil



SR2-165 PS/PSK



Sunstar (box type)



Table compass (export model)



P-100B



Azimuth circle

SUNSTAR (BOX TYPE)

MODEL	CARD Ø	BOX SIZE	WEIGHT
SSA2-75	3"	175x175x175	1.8kg
SSA2-100	4"	205x205x135	2.3kg
SSA2-130	5"	235x235x135	3.2kg
SSA2-150	6"	265x265x160	4.7kg
SSA2-165	6.5"	313x313x180	8.9kg
SSA2-180	7"	313x313x180	8.9kg
SSA2-200	8"	345x345x180	9.5kg

IMPA Code: 37 25 51

TABLE COMPASS (EXPORT MODEL)

- Each unit is provided with standard accessories
- Top-lighting, DC24V

MODEL	CARD	DIA. (mm)	A (mm)	B (mm)	C (mm)	W (kg)
T-100B	100	4"	320	390	145	5.1
T-130B	120	5"	350	420	175	5.6
T-150B	150	6"	320	450	205	6.8
T-165B	165	6.5"	385	485	235	9.4
T-180B	175	7"	385	485	235	9.4

LIFEBOAT COMPASS

Model	P-100B
Card	100
Diameter	4"
Weight	2.6kg
B	4 = 1 / D C / I

Battery 1.5V DC (dry cell)

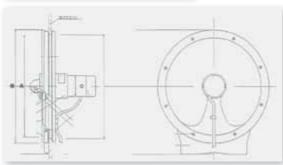
IMPA Code: 37 03 21

AZIMUTH CIRCLE

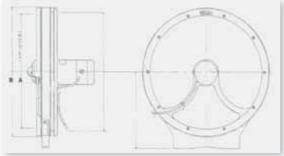
• Dial diameter: 247mm, 226mm

Clearview Screen / Binoculars / Sextant









IMPA Code: 37 20 16 Approvals: NA

DAIKO CLEARVIEW SCREEN

Model	DS-220
Visual screen diameter	220mm
Frame Diameter	265mm
Cut-out diameter	240mm
Min. glass thickness	5~8
Voltage	12V, 24V

Model DS-250
Visual screen diameter 250mm
Frame Diameter 298mm
Cut-out diameter 270mm
Min. glass thickness 5~8
Voltage 12V, 24V, 100V, 220V

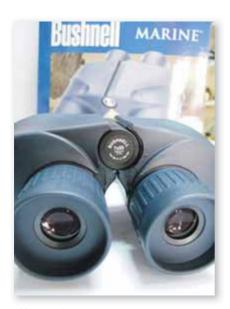
Model DS-300
Visual screen diameter 300mm
Frame Diameter 349mm
Cut-out diameter 325mm

Min. glass thickness 5~8
Voltage 24V, 100V, 220V

Model DS-350

Visual screen diameter 350mm
Frame Diameter 465mm
Cut-out diameter 375mm
Min. glass thickness 6~12

Voltage 24V, 100V, 220V



7X50 marine type



Night vision binoculars



Spectrum Binoculars



Marine Sextant

IMPA Code: 37 03 44

BUSHNELL (USA) 7X50 MARINE TYPE BINOCULARS

- BaK-4 porro prisms for bright, clear, crisp viewing
- Fully multi-coated optics for superior light transmission and brightness
- 100% waterproof / fogproof
- O-ring sealed and nitrogen-purged to keep out moisture
- Highly resistant to saltwater corrosion
- Non-slip, non-skid rubber armor cushions bumps and shock, prevents sliding and provides a firm grip when wet
- · Hermetically sealed
- Fold-down eyecups

BUSHNELL (USA) NIGHT VISION BINOCULARS

Magnification X Obj Lens 2.5 x 42
Tripod Mount Yes
Field of View (ft. / m) 94 / 31
Infrared Illuminator Yes (Built-In)
Weight (oz/g) 28 / 794
Viewing Range (ft. / m) 4-600 / 1.2-183

IMPA Code: 37 03 42

SPECTRUM BINOCULARS

- Magnification x Objective lens diameter: 7x50
- Rubber coated

IMPA Code: 37 03 31

MARINE SEXTANT

ТҮРЕ	GLH130 – 20	GLH130 – 40
MEASURING RANGE	-5° ~ +130°	-5° ~ +130°
ACCURACY (PEAK-TO-PEAK VALUE)	20"	40"
FILTERS OF HORIZON GLASS	3	3
FILTERS OF INDEX MIRROR	4	4
BATTERY	2 x 1.5V	2 x 1.5V
NET WEIGHT	1.8kg bronze	1.2kg Al. alloy

Wind Speed Indicator / Wind Sock / Thermometer





Davis weather station



sensors

DAVIS (USA) WEATHER STATION

 Temperature and humidity sensors, anemometer and rain collector
 Includes windspeed and wind direction

• Includes 30m cable for data transmission form integrates sensor suite to console

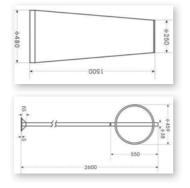
DEUTA PORTABLE HANDHELD ANEMOMETER

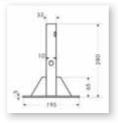
The handy wind gauge enables wind strength and speed to be measured.

- No power source
- Four scale ranges for different measurement units selectable (m/s, km/h, knots, Beaufort)
- Maintenance-free
- · Simple to operate
- · Internal thread for fixing to a stand



Portable handheld anemometer





IMPA Code: 37 02 71

ILLUMINATED WIND SOCK

- Silk nylon windsock, stainless steel rod and fittings
- · Manually controlled light for illumination



Stevenson screen

10 20 10 20 10 20 40 30 40 30 40

Camon Max & Min thermometer



Camon seawater thermometer



Test thermometer

CAMON STEVENSON SCREEN

• Dimension: 330 x 230 x 130mm

CAMON MAX & MIN THERMOMETER

- -20 +50 degrees
- Plastic 230 x 65mm
- Push reset button

IMPA Code: 65 17 10

CAMON SEAWATER THERMOMETER

- Copper/Plastic case
- Dimension: 300 x 40 x 38mm
- -30 +50 degrees
- -5 +110 degrees

IMPA Code: 65 17 25

TEST THERMOMETER

- Brass case
- 0-500 degrees, 300mm
- 0-500 degrees, 450mm
- 0-100 degrees, 300mm
- 32-212 Fahrenheit, 300mm

Digital Thickness Meter / Salinometer / Sampling Bottle



Digital thickness meter



Salinometer



Salinometer pot



Sampling Bottle



Infrared non-contact thermometer

DIGITAL THICKNESS METER

Range 1.5-00mm

Sound velocity 500-9000m/s

Accuracy Approximately (0.5%n+0.1)

IMPA Code: 65 13 41

SALINOMETER

- · Brass with chrome plated
- 1.000 to 1.040 g/ml

IMPA Code: 65 13 86

SALINOMETER POT

- · Copper with wooden handle
- Glass
- Plastic

IMPA Code: 65 13 71

SAMPLING BOTTLE – MOUTH COLLECTING TYPE

IMPA Code: 65 18 02

INFRARED NON-CONTACT THERMOMETER



Camon Wall mounted thermometer



Camon Wet & Dry Hygrometer



Dial Thermo-Hygrometer



Camon whirling hygrometer

IMPA Code: 65 17 01

CAMON WALL MOUNTED THERMOMETER

- Wooden/plastic case
- -30 +50 degrees
- -40 +50 degrees

IMPA Code: 37 02 51

CAMON WET & DRY HYGROMETER

IMPA Code: 37 02 56

CAMON DIAL THERMO-HYGROMETER

- Plastic case
- White dial Ø 120mm
- Bimetal thermometer -10+40 degrees
- Hygrometer 0-100%RH

CAMON WHIRLING HYGROMETER

- Foldable type
- -20 +50 degrees
- Red alcohol filled
- Dimension: 230 x 50mm

Ship Bell and Bracket / Gong



IMPA Code: 37 01 01 / 02

Approvals: CCS

SHIP BELL

Material HPb59-1 Sound pressure level ≥110dB

* In accordance with the 1972 International Convention for Preventing Collisions at Sea

Bell

IMPA CODE	ТҮРЕ	DIAMETER	MATERIAL	MATERIAL OF STRIKER	APPROVALS
27.01	WZ-4	4" (100)			
37 01	WZ-6	6" (150)			_
37 01 01	WZ-8	8" (200)	Brass	45# chrome plating	
31 01	WZ-10	10" (250)			CSS
31 01 02	WZ-12	12" (300)			



Bracket for ship bell

BRACKET FOR SHIP BELL

- Brass
- Dimension: 200mm, 300mm

Charting Set



Gong

Approvals: CCS

GONG

Diameter \emptyset 404mm Sound pressure level ≥110dB Material HPb59-1

* In accordance with the 1972 International Convention for Preventing Collisions at Sea



Camon chart brush

IMPA Code: 37 10 31

CAMON CHART BRUSH

• 320mm



Charting set

IMPA Code: 37 10

CHARTING SET

- Rolling ruler
- Parallel ruler
- Triangle protractor with handing
- Circular protractor
- Charting magnifying glass
- · Chart dividers with cap
- Chart dividers fixed steel points

Ship Bell and Bracket / Gong / Charting Set



Straight pattern brass divider

IMPA Code: 37 10 12 / 13

STRAIGHT PATTERN BRASS DIVIDER



Single handed divider

SINGLE HANDED DIVIDER



Chart weight

IMPA Code: 37 10 21

CHART WEIGHT

• Stainless steel 500 grams

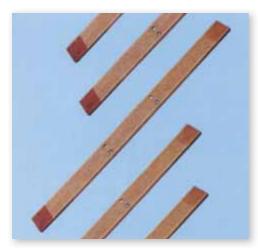


DECK EQUIPMENT

Embarkation Ladder / Pilot Ladder / Sounding Tape, Lead and Line



Wood Step (Embarkation ladder)



Wood Step (Pilot ladder)

IMPA Code: 23 20 Approvals: EC/GL/CCS

WOOD STEP (EMBARKATION LADDER)

Material

Wood

LENGTH = m	STEPS
4	12
5	15
6	18
7	21
8	24
9	27
10	30
11	33
12	36
13	39
14	42
15	45
16	48
17	51
18	54
19	57
20	60
21	63
22	66
23	69
24	72
25	75

IMPA Code: 23 20

Approvals: EC/GL/CCS

WOOD STEP (PILOT LADDER)

Material

Wood and rubber

LENGTH = m	WOODEN STEPS	SPREADER	RUBBER STEPS	
2	4	1	1	
3	6	1	2	
4	8	2	2	
5	11	2	2	
6	13	2	3	
7	16	2	3	
8	18	3	3	
9	21	3	3	
10	23	3	4	
11	26	3	4	
12	28	4	4	
13	32	4	4	
14	34	4	4	
15	36	5	4	
16	38	5	4	
17	40	6	5	
18	43	6	5	
19	46	6	5	
20	49	6	5	



Aluminum alloy step (Embarkation ladder)



Rubber step



Rope ladder



Sounding tape, lead and line

ALUMINUM ALLOY STEP (EMBARKATION LADDER)

Material Wood and Aluminum Alloy

RUBBER STEP

ROPE LADDER

IMPA Code: 37 03 01 / 02

SOUNDING TAPE, LEAD AND LINE

Material Lead

Weight 3.2kg, 10kg, 12.7kg Line 46mtr, 230mtr with

marking

DECK EQUIPMENT

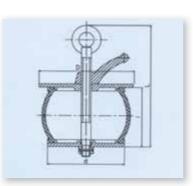
Scupper plugs / Retro reflective tape / Fire plan holder / Alcohol Tester and Mouthpieces



IMPA Code: 23 24 81

SCUPPER PLUG





IMPA CODE	TYPE		SI	ZE		WEIGHT	MATERIAL	APPLICABLE
IIVIPA CODE	TIPE	d	D	ı	L	(kg)	MAIERIAL	scupper size
23 24 81	PSKS-65	45	65	55	145	0.3		2" Sch-80
23 24 82	PSKS-75	52	75	55	145	0.4		2" SGP, Sch-40 2½" SGP, Sch-60, 80
23 24 83	PSKS-85	65	85	65	160	0.5		2½" SGP, Sch-40 3" SGP, Sch-40, , 60, 80
23 24 84	PSKS-110	85	110	65	160	0.6	D	4" Sch-60
23 24 85	PSKS-115	90	115	65	160	0.6	Brass	4" SGP, Sch-40, 80 5" Sch-60
23 24 86	PSKS-135	110	135	65	160	0.8		5" SGP, Sch-40, 80 6" Sch-60
23 24 87	PSKS-160	135	160	65	160	1.0		6" SGP, Sch-40, 80
23 24 88	PSKS-200	165	200	75	170	3.8		8" STPG-38, Sch-80, 160



Retro reflective tape



Fire plan holder



Alcohol tester AL6000



One-Way-Flow Mouthpieces

IMPA Code: 33 01 86
Approvals: EC/GL/SOLAS

RETRO REFLECTIVE TAPE

- SOLAS grade, silver
- 3M (USA) 50mm x 45 mtr
- JM (USA) 50mm x 50 mtr

IMPA Code: 33 26 11

FIRE PLAN HOLDER

Material PVC tube Length 750mm Diameter 100mm

IMPA Code: 33 12 21 Approvals: DOT/USCG

ALCOMATE ALCOHOL TESTER AL6000

- No calibration required
- DOT Approved (Accuracy +/-0.01 at 0.10% BAC)
- Easy one-button operation
- 3-Digit (.000%) LED display
- Active pressure sensor / Deep-lung Air sampling
- · One-way-flow mouthpieces

Method of measure Breath sample
Range 0.00% to 0.40%
Testing Capacity Approx. 200 with new batteries

DECK EQUIPMENT

Heat Detector / Smoke Detector / Smoke Detector Tester / Metal Detector / Gas Leak Detector



Solo 424 heat detector

IMPA Code: 33 26 11

SOLO 424 HEAT DETECTOR

- · Lightweight and portable
- 1.13m long or up to 3 can be used to extend the Solo 100 telescopic pole



Smoke detector

IMPA Code: 33 10 73

SMOKE DETECTOR

- Robust withstands the rigors of everyday use
- Dispenser conserves aerosol and accurate dispersion of aerosol particles
- Spring-loaded mechanism for effective, economic aerosol delivery
- Touch sensitive ideal for suspended ceilings
- Clear cup allows view of detector LED



Smoke detector tester



Metal detector



Gas leak detector

IMPA Code: 33 10 74

SMOKE DETECTOR TESTER

Smoke Detector Tester puts both photoelectric and ionization smoke detectors through their paces to ensure that the circuitry, alarm and power are functioning and that they are actively sampling the air for any hint of a fire.

SUPER SCANNER HANDHELD METAL DETECTOR

- Indicator: Visual red/green LED or sound
- Sensitivity control
- Vibrator button
- · Power supply: 9V
- Accessories: Re-chargable battery and carrying case
- · Battery charger

GAS LEAK DETECTOR

- For combustible gas leak
 Ultimate sensitivity: 5ppm
- For refrigerant gas leak
 Ultimate sensitivity: 0.5 ounce/year, SAEJ1627
 stand level

DECK EQUIPMENT

Fenders



Manila rope fender

IMPA Code: 23 24 03

MANILA ROPE FENDER

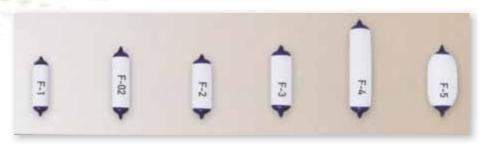
- Ball and cylinder shape
- Size: 450mm or made to order

A SERIES FENDERS



	A-0	A-1	A-2	A-3	A-4	A-5	A-6	A-7
SIZE	9" x 11.5"	11.5" x 14.5"	15.5" x 19.5"	18.5" x 23"	21.5" x 28"	27.5" x 30"	34.0" x 46.5"	41.4" x 54.4"
(diameter x length)	23 x 29cm	29 x 37cm	39 x 49cm	47 x 59cm	55 x 71cm	70 x 92cm	86 x 118cm	105 x 138cm
EYE DIAMETER	0.6"	1.0"	1.125"	1.125"	1.125"	1.25"	1.5"	2"
ETE DIAMETER	1.6cm	2.5cm	2.8cm	2.8cm	2.8cm	3.0cm	3.8cm	5.0cm
CIRCUMFERENCE	28.3"	36.1"	48.7"	58.1"	67.5"	86.4"	106.8"	130.0"
CINCUIVIFENEINCE	72.2cm	91.1cm	122.5cm	147.6cm	172.2cm	219.8cm	270.0cm	329.7cm
VOLUME	1.6 gals.	3.5 gals.	8.2 gals.	14.5 gals.	22.5 gals.	47.6 gals.	95.1 gals.	161.6 gals.
(gallons/liters)	5.91	13.2l	30.81	54.91	84.81	179.6l	359.21	610.11
PIECES PER CARTON	20	10	10	10	10	5	3	2

F SERIES FENDERS



	F1	F-02	F-2	F-3	F-4	F-5
CIZE (diameter v langth)	6" x 25"	8" x 27"	9" x 25"	9" x 30"	9" x 41"	12" x 30"
SIZE (diameter x length)	15 x 64cm	2 x 68cm	22 x 64cm	22 x 76cm	22 x 104cm	30 x 76cm
EVE DIAMATER	0.7"	0.7"	0.9"	0.9"	0.9"	1.0"
EYE DIAMETER	1.8cm	1.8cm	2.2cm	2.2cm	2.2cm	2.4cm
CIDCUMEEDENICE	18.8"	25.1"	28.3"	28.3"	28.3"	37.7"
CIRCUMFERENCE	47.1cm	62.8cm	69.1cm	69.1cm	69.1cm	95.8cm
\\\(\O\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	2.2 gal.	3 gal.	3.5 gal.	5.3 gal.	9.3 gal.	11.9 gal.
VOLUME (gallons/liters)	8.21	11.3l	13.2l	201	34.91	44.91
PIECES PER CARTON	10	10	6	10	5	5



	F-6	F-7	F-8	F-10	F-11	F-13
SIZE (diameter x length)	12" x 43"	15" x 41"	15" x 58"	18.5" x 50"	24" x 57"	32" x 77"
SIZE (diameter x length)	30 x 109cm	38 x 104cm	38 x 147cm	47 x 127cm	60 x 145cm	80 x x195cm
EVE DIAMETED	1.0"	1.0"	1.0"	1.0"	1.1"	1.2"
EYE DIAMETER	2.4cm	2.4cm	2.4cm	2.4cm	2.7cm	3.0cm
CIDCLIMEEDENICE	37.7"	47.1"	47.1"	58.1"	75.4"	100.5"
CIRCUMFERENCE	95.8cm	119.3cm	119.3cm	147.6cm	188.4cm	251.2cm
VOLLIME (gallons/liters)	19.8 gal.	25.1 gal.	39.6 gal.	40.8 gal.	63.7 gal.	158.8 gal.
VOLUME (gallons/liters)	74.81	94.81	149.71	154.21	240.41	598.71
PIECES PER CARTON	5	5	4	2	3	2

COMMUNICATION / SEARCH & RESCUE ELECTRONICS

- EPIRB/EPIRB hvdrostatic release
- SART/VHF Radio/MOB/Navtex/Horn

EPIRB / EPIRB hydrostatic release



GME EPIRB

IMPA Code: 37 25 11
Approvals: EC/BV/GMDSS

GME EPIRB

- MT403FF auto release
- MT403FG auto release and inbuilt GPS
- 406 MHz Homer/Strobe



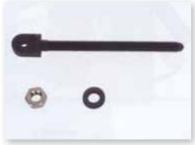
IMPA Code: 37 25 01

Approvals: EC/GL/RUSSIAN REGISTER

EMERGENCY POSITION INDICATING RADIO BEACON (EPRIB) PRO-5

- Complies to 406 COSPAS-SARSAT, IMO, GMDSS, IEC 61097, IEC 60945
- Lithium cells, 5 years battery life
- High performance solid state strobe
- Release automatically at 4m depth or manually





H20-YSE and accessories

IMPA Code: 33 01 19 . 26 Approvals: EC/BV/USCG

HAMMAR H20-YSE FOR EPIRB

Accessories • Bolt for H20

Nut M8 for bolt

Washer for bolt

Also available: Samyung, McMurdo, Saracom

COMMUNICATION / SEARCH & RESCUE ELECTRONICS

Search & Rescue Transponder (SART) / VHF Radio



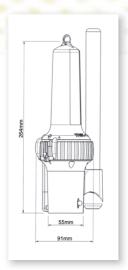
AIS Sart HX5000

Approvals: CCS

AIS SART HX5000

- Tx Frequency : AIS1 161.975MHz; AIS2 162.025MHz
- · Power: 1W EIRP
- Modulation: GMSK
- Vertical Antenna
- · Lithium cell
- 96H Operation
- 3 years storage time Complies to IEC 61097-14, IEC 60945c(2002)





Mc Murdo SART S-4

MPA Code: 37 25 01

MPA Code: EC/MED/SOLAS

MCMURDO SART S-4



GMDSS R2

IMPA Code: 37 01

Approvals: EC/GL/SOLAS

MCMURDO GMDSS VHF RADIO R2

- 2.5 watts RF output
- 19 channels
- 100% waterproof
- Priority channel
- Approved SOLAS '74 to latest GMDSS, IMO, ETSI resolutions and conformity with the E.C. 96/98 directive (Ship's Wheel)



VHF radio

MPA Code: 37 01 33 MPA Code: CCS

VHF RADIO HX 1500

- Waterproof, dual frequency
- 18 Channel
- Tx frequency : 156.025MHz 157.425MHz
- +1/-3dB of +6dB/octave

Complies to GMDSS, MSC 149 (77), 15304-94, IEC 61097-12, IEC 60945

COMMUNICATION / SEARCH & RESCUE ELECTRONICS MOB / NAVTEX / Horn / BNWAS



DOLPHIN-600



Navtex Receiver HX2600



Noburu electric horn SG-122

IMPA Code: 33 28 11 Approvals: CE/FCC

MANOVERBOARD DOLPHIN-600 SYSTEM

- 2.4GHZ radio frequency to communicate between MOB Dolphin controller and maximise 99 Dolphin pendants within 30 meters at the same time
- Provides MOB viewer to monitor all pendants within coverage
- High beam LED on pendants
- · High impact and UV resistant ABS material
- RF transmitter power: 1mW
- MOB Dolphin-600 system can be customised
- Can be linked to AIS transponder of same brand

MPA Code: 37 25 06/07

Approvals: CCS

NAVTEX RECEIVER HX2600

- Dual Channel
- Frequency: 518MHz, 490KHz, 4209.50KHz
- Sensitivity: -107dBm signal level
- Display: 240 x 128 dot matrix, 144 x 104mm
- Storage: 200 messages
- Audible alarm

Complies to MSC 148(77), IEC 61097-6, IEC 60945 (2002)

IMPA Code: 37 01 Approvals: NK

NOBURU (JAPAN) ELECTRIC HORN SG-122

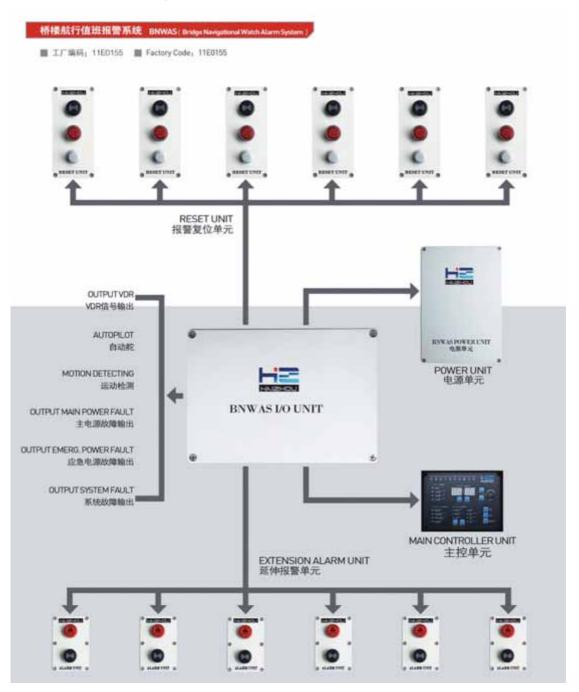
- For vessels length 20m or less
- Voltage range: DC23 to 30V
- Current: 1.2A approx
- Frequency: 650Hz
- · Weather resistant
- Dimensions: 280 × 180mm,
- Approximate weight 2.8kg

Approvals: GL/DNV

Av. **BRIDGE NAVIGATION WATCH ALARM SYSTEM (BNWAS)**

BNWAS monitors the watch officer's awareness and activity for early detection of emergency to minimise marine accidents. A series of alarms are transmitted to Master should watch officers fail to respond to emergency calls.

Our BNWAS model is designed and tested in compliance with the latest requirements of SOLAS Regulation 19, IMO and IEC standards, adopted in MSC 282(86).



SIGNALS AND LIGHTS

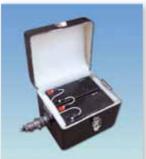
- Portable daylight signal
- Search lights
- Spot lights
- Explosion proof lights/Navigation lights
- Pendant/ceiling/wall and work lights
- Chart lamp/Water tight plug
- Marine socket/Marine watertight junction box and switch/AJ electrical key
- Flash light/Bulbs

Portable Daylight Signal



CXD 120

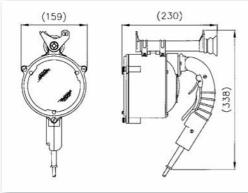




Telescope

FRP battery box





MK5

IMPA Code: 33 40 61 Approvals: CCS

PORTABLE DAYLIGHT-SIGNALLING LAMP CXD120

Voltage 24V Lamp 24V/60W Lamp holder G6.35 Plug P20K6Q Telescope magnification 5

Light intensity 60000/cd

Light pillar angle 6"
Protection class IP44
Weight 1.8kg

TELESCOPE

Magified multiple 5
Field lens 41mm
Weight 0.3kg

BATTERY BOX

Voltage 24V Capability 7Ah Weight 6.5kg

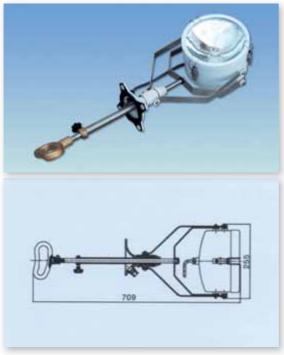
IMPA Code: 33 40 61 Approvals: BV

MK5 SIGNAL LAMP

- · Weight 2.2kg
- Capable of maximum daylight signalling range of 8 miles
- Beam divergence of 5°
- Transmission rate of 12 words per minute
- Light reduction and colored filters provide control of light output as required
- 5.5 metres of supply cable
- All aluminum construction filled with a super purity aluminum parabolic reflector
- Tubular and V sights are fitted as standard
- · Handle mounted switch
- Signals made by triggering the tubular shutter which interrupts the light from the reflector

SIGNALS AND LIGHTS

Search Lights



TD200

IMPA Code: 37 04 81

TD200

Max power 300W

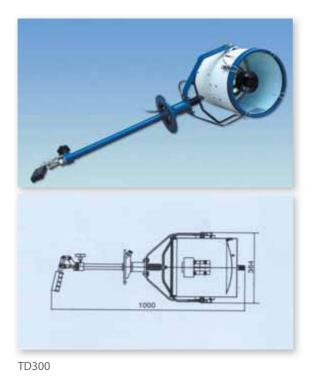
Power & voltage AC220~240V

DC24V

Protection class IP56
Light angle 6° Light strength ≥500cd
Elevation 30° Overlook angle 45° Scope ≥180°

Weight 5 kg

Size 710 x 256 x 240mm



IMPA Code: 37 04 82

TD300

Max power 1000W Power & voltage AC240V

AC115V

Protection class IP65 Light angle 6°

Light strength $\geq 8x10^5$ cdElevation30°Overlook angle45°Scope $\geq 180^\circ$ Weight15 kg

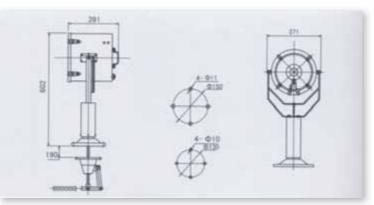
Size 1000 x 366 x

330mm

IMPA Code: 37 04 82

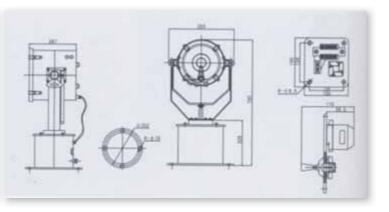
SEARCH LIGHTS





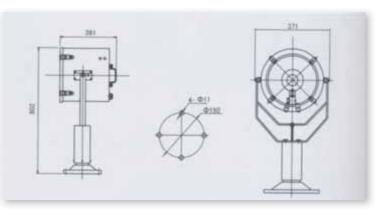
TG26, TG27





TG-26-A, TG27-A





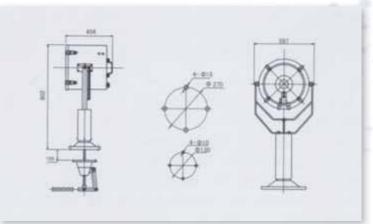
TG-26-B, TG27-B

ТҮРЕ	VOLTAGE	POWER	LAMP HOLDER	ELECTRIC LIGHT SOURCE	m	LUMINOUS FLUX	WEIGHT	PROTECTION CLASS
TG26		300W			1175	6900	16 21.0	
1G26		500W			1240	12500	16.2kg	IP56
TC26 A		300W			1175	6900	10.51	
TG26-A	220V	500W		Tunastan	1240	12500	18.5kg	
TC26 D	50HZ/60HZ	300W	GY9.5	Tungsten halogen light	1175	6900	11.0	
TG26-B	30112,00112	500W			1240	12500	11.9kg	
TG27							16.2kg	
TG27-A		1000W			1550	550 23000	18.5kg	
TG27-B							11.9kg	

SIGNALS AND LIGHTS

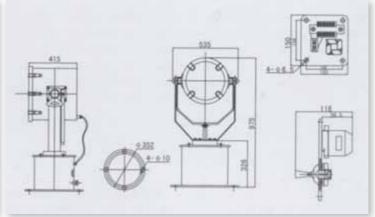
Search Lights / Spot Light





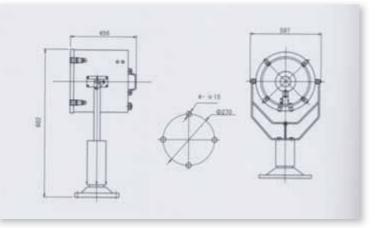
TG28





TG28-A

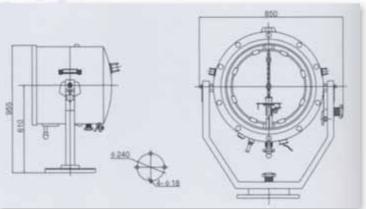




TG28-B

ТҮРЕ	VOLTAGE	POWER	LAMP HOLDER	ELECTRIC LIGHT SOURCE	m	LUMINOUS FLUX	WEIGHT	PROTECTION CLASS
TG27	2201/			Tunastan			33.7kg	
TG27-A	50H760H7	2000W	GY16	Tungsten	2030	53000	27.4kg	IP56
TG27-B				halogen light			28.4kg	



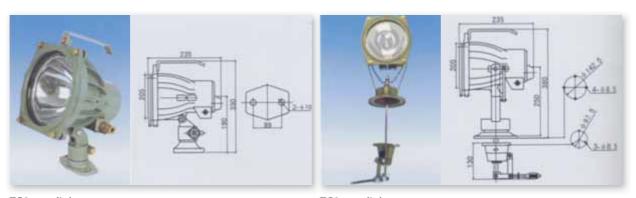


TGZ5 SUEZ Canal search light

ТҮРЕ	VOLTAGE	POWER	ILLUMINANT	LAMP HOLDER	LUMINOUS FLUX	IRRDDIATE DISTANCE	PROTEC- TION CLASS	CABLE OUTSIDE DISTANCE	WEIGHT
TZ5	200V/50HZ 200V/60HZ	2000W 3000W	Tungsten halogen light	GY16	53000lm 80000lm	>1800m	IP56	ø14 ~ ø16	29kg

IMPA Code: 37 04 82

SPOTLIGHT



TG8 spot light TG9 spot light

ТҮРЕ	POWER	VOLTAGE	WEIGHT	LAMP HOLDER	LUMINOUS FLUX	PROTECTION CLASS	
TG8	100W/200W	12V/24V	5kg	C6 35	2000/4500	IP56	
TG9	150W/200W	24V	9.5kg	G6.35	2700/4500		

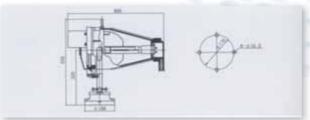
SIGNALS AND LIGHTS

Explosion-proof Lights / Navigation Lights

IMPA Code: 37 04 82

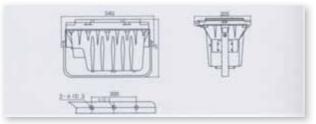
EXPLOSION-PROOF SPOT LIGHT





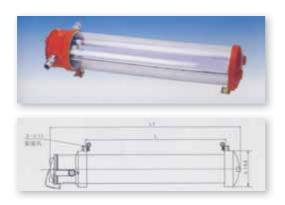
CFT1





CFT2

ТҮРЕ	EXPLOSION-PROOF MARK	EXPLOSION-PROOF QUALITY CERTIFICATE NO.	VOLTAGE	POWER	LAMP HOLDER	WEIGHT
CFT1-500W	Exd II BT3	NLE06350	220V	500W	E40	15kg
CFT1-300W	Exd II BT4	NLE06319	220V	300W	E40	15kg
CFT2-400W	Exd II BT2	NLE06304	220V	400W	E40	19kg
CFT2-250W	Exd II BT3	NLE06320	220V	250W	E40	19kg



IMPA Code: 37 04 82

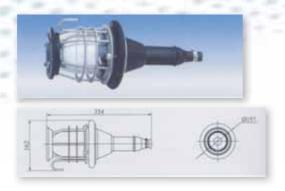
Approval: CCS

EXPLOSION-PROOF FLUORESCENT LIGHT

Complies to IEC92-306-1980

Operational in explosive zone 1 & 2 and temperature group T1 - T6

ТҮРЕ	EXPLOSION-PROOF MARK	EXPLOSION-PROOF QUALITY CERTIFICATE NO.	VOLTAGE	POWER	LAMP HOLDER	WEIGHT
CFT1-500W	Exd II BT3	NLE06350	220V	500W	E40	15kg
CFT1-300W	Exd II BT4	NLE06319	220V	300W	E40	15kg
CFT2-400W	Exd II BT2	NLE06304	220V	400W	E40	19kg
CFT2-250W	Exd II BT3	NLE06320	220V	250W	E40	19kg



IMPA Code: 79 21 71

EXPLOSION-PROOF PORTABLE LIGHT

Protection Class IP56
Voltage 220V/24V
Power 60W
Lamp Holder E27
Cable specification Ø8

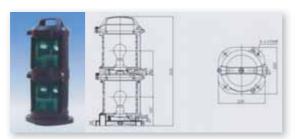
Explosion-proof class mark Exed II AT2

Explosion -proof quality

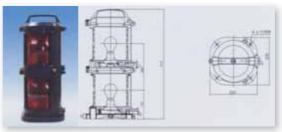
certificate number NLE06306-X

IMPA Code: 37 04

DOUBLE DECK NAVIGATION SIGNAL LIGHT



CXH1-10P Full-plastic double-deck starboard light



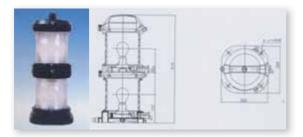
CXH2-10P Full-plastic double-deck port light



CXH3-10P Full-plastic double-deck masthead light



CXH4-10P Full-plastic double-deckstern light



CXH6-10P Full-plastic double-deck all-round light

ТҮРЕ	VISIBILITY	LEVEL ARC	LAMP HOLDER	BULB	PROTECTION CLASS	COLOR	WEIGHT
CXH1-10P	3n.m	112.5°	_		IP56	Green	3.8kg
CXH2-10P	3n.m	112.5°				Red	3.8kg
CXH3-10P	6n.m	225°		24V/60W		Transparent	3.7kg
CXH4-10P	3n.m	135°	B22d	110V/60W 220V/65W		Transparent, Yellow	3.7kg
CXH6-10P	3n.m	360°				Red, Green, Yellow	3.6kg

SIGNALS AND LIGHTS

Navigation Lights

IMPA Code: 37 04

NAVIGATIONAL SIGNAL LIGHT



CXH1-1P Full-plastic starboard light



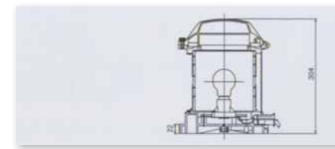
CXH2-1P Full-plastic port light

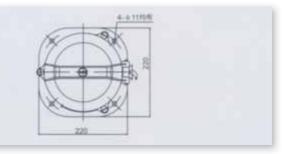


CXH3-1P Full-plastic masthead light

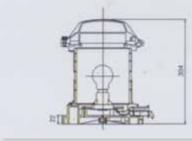


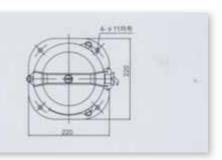
CXH4-1P Full-plastic stern light











CXH6-1P Full-plastic all-round light

ТҮРЕ	VISIBILITY	LEVEL ARC	LAMP HOLDER	BULB	PROTECTION CLASS	COLOR	WEIGHT
CXH1-1P	3n.m	112.5°		24V/60W 110V/60W 220V/65W	IP56	Green	2.6kg
CXH2-1P	3n.m	112.5°				Red	2.6kg
CXH3-1P	6n.m	225°				Transparent	2.5kg
CXH4-1P	3n.m	135°	B22d			Transparent, Yellow	2.7kg
CXH6-1P	3n.m	360°				Red, Green, Yellow	2.2kg

This lamp can be installed conveniently and its bulb can be replaced easily, the shell is made of engineering plastics which has the features of corrosion prevention and shock resistance, the lampshade adopts polycarbonate, it has the features of ultraviolet radiation resistance and does not discolor. Conform to IEC92-306-1980 standard.



CXH1-21P Starboard light



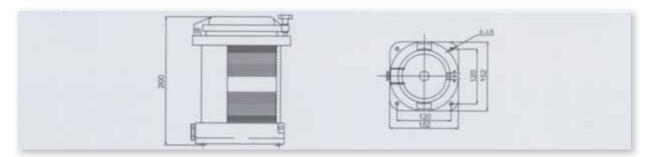
CXH2-21P Port light



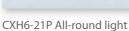
CXH3-21P Masthead light

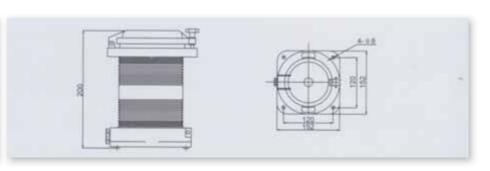


CXH4-21P Stern light









ТҮРЕ	VISIBILITY	LEVEL ARC	LAMP HOLDER	BULB	PROTECTION CLASS	COLOR	WEIGHT
CXH1-21P	2n.m	112.5°			IP56	Green	2.6kg
CXH2-21P	2n.m	112.5°				Red	2.6kg
CXH3-21P	5n.m	225°		121//2514/		Transparent	2.5kg
CXH4-21P	2n.m	135°	BAY15d	12V/25W 24V/25W		Transparent, Yellow	2.7kg
CXH6-21P	2n.m	360°				Red, Green, Yellow	2.2kg

This lamp can be installed conveniently and its bulb can be replaced easily, the shell is made of engineering plastics which has the features of corrosion prevention and shock resistance, the lampshade adopts polycarbonate, it has the features of ultraviolet radiation resistance and does not discolor. Conform to IEC92-306-1980 standard.

SIGNALS AND LIGHTS

Navigation Lights



TM-70-SOLAR

NAVIGATION LIGHT 3.5NM LED SOLAR

Model TM-70-SOLAR Voltage 11V – 18V

Flash frequency 20 flashes per minute (adjustable)

Working environment -40 degrees to +60 degrees

Range of light (T=0.74) 3.5nm (Approximately 6.4km)
Lens 155mm high divergence Fresnel acrylic lens
Battery 12V/12AH – Maintenance free battery

External dimensions 360mm (L) x 280mm (W) x 530mm (H)
Installation dimensions Flange diameter 180mm, PCD 150mm, 4 mounting holes of 11mm diameter

Available colours Red Green Yellow

White Blue

CARMANAH MODEL 601

Minimum Autonomy 300hrs Minimum Equivalent Peak 1.5hrs

Sun Hours to Maintain Minimum Autonomy

Illumination Technology Ultra-bright 16 light

emitting diodes

Lifespan of LEDs

Up to 100,000 hrs

Chromacity of color output

Meets IALA specs

Lens material

Polycarbonate

Lens material Polycarbonate
Battery venting Vent at bottom of

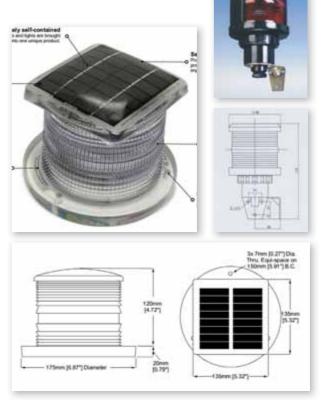
lantern

Sealing Self-contained unit,

potted with polyurethane

Weight 2.2kg (4.85lbs)
Temperature Range -40° to +80°C

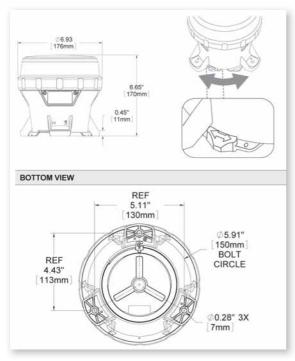
(-40° to 176°F)



Carmanah model 601

ТҮРЕ	COLOR	VISIBILITY	LEVEL ARC	BULB	WEIGHT	PROTECTION CLASS
CXH1-3P	Green	2n.m	112.5°	241/2511/		
CXH2-3P	Red	2n.m	112.5° 24V/25W (B15d)			
CXH3-3P	Transparent	5n.m	225°	(DISU)		IP56
CXH4-3P	Transparent,	2n.m	135°	24V/15W	0.5kg	
САП4-3Р	Yellow	211.111	155°	(B15d)		
CXH6-3P	Red, Green,	2n.m	360°	24V/25W		
CXH0-3P	Yellow	211.111	300°	(B15d)		





Caramanah M650 4NM

CARAMANAH M650 4NM

Solar Panel Maximum power

point tracking for optimal energy collection

Light Source High power LED

Peak Intensity (as per IALA rating) 44 cd (Green LEDs)

Vertical Divergence > 8° (FWHM) Flash Patterns 256+ (including

steady-on)

-43 to 51 °C

Day / Night Transition Selectable from 25

to 925 lux in 25 lux

increments.

Ambient Operating

Temperature

Storage Temperature -43 to 80 °C

Colour Indicator Green, Red, Yellow,

Blue or White

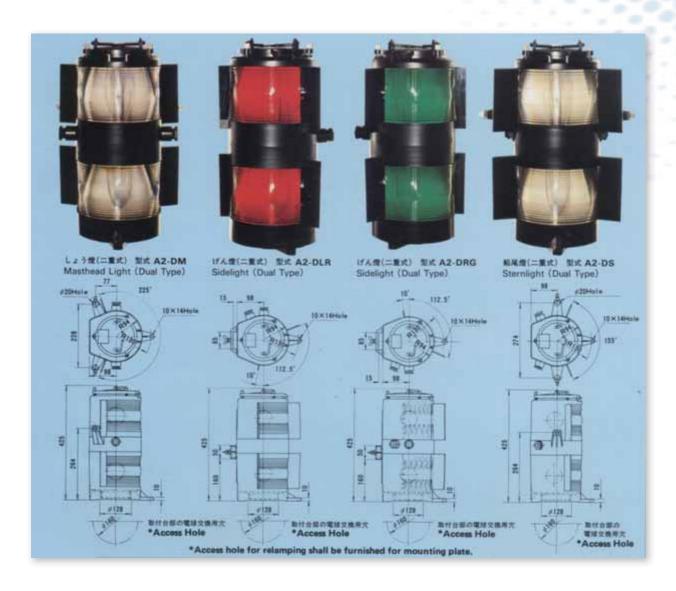
Weight 3.5 lb (1.58 kg)
Wind Loading 140 knots (72 m/s)

Ice Loading 22kg/m2

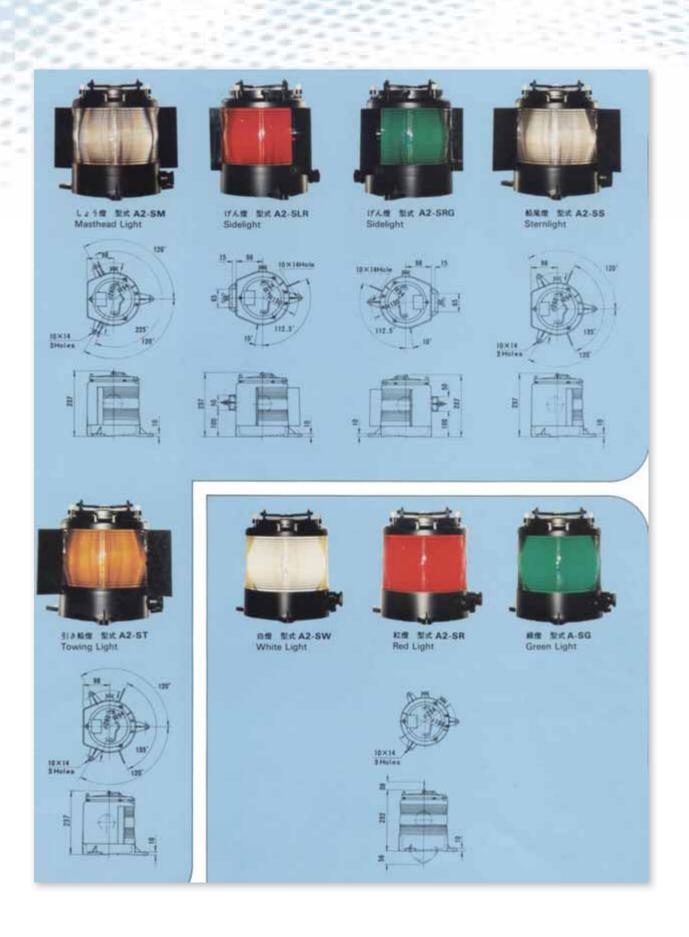
Automatic Light Control (ALC)

When enabled, ALC will dynamically reduce brightness in response to unusually low amounts of sunlight to ensure continued operation.

Navigation Lights



ТҮРЕ	CAT. NO.	APPROVAL NO.	LAMP	HORIZONTAL LIGHT SPREAD	VISIBLE DISTANCE (sea miles)	LENS	WEIGHT (kg)
Masthead Light, Class-A-2, Dual Type	A2-DM	1347	KN60W	225°	6	Stepped, Clear	2.1
Sidelight, Red, Class-A-2, Dual Type	A2-DLR	1330	KN60W	112.5°	3	Stepped, Red	2.1
Sidelight, Green, Class-A-2, Dual Type	A2-DRG	1333	KN60W	112.5°	3	Stepped, Green	2.1
Sternlight, Class-A-2, Dual Type	A2-DS	1328	KN40W	135°	3	Steeped, Clear	2.1
Masthead Light, Class-A-2	A2-SM	1329	KN60W	225°	6	Steeped, Clear	1.2
Sidelight, Red, Class-A-2	A2-SLR	1326	KN60W	112.5°	3	Steeped, Red	1.2
Sidelight, Green, Class-A-2	A2-SRG	1331	KN60W	112.5°	3	Stepped, Green	1.2
Sternlight, Class-A-2	A2-SS	1335	KN40W	135°	3	Steeped, Clear	1.2
Towing Light, Class-A-2	A2-ST	1327	KN40W	135°	3	Steeped, Yellow	1.2
White Light, Class-A-2	A2-SW	1336	KN40W	360°	3	Steeped, Clear	1.1
Red Light, Class-A-2	A2-SR	1332	KN60W	360°	3	Steeped, Red	1.1
Green Light, Class-A	A-SG	1334	KN60W	360°	3	Stepped, Green	1.1

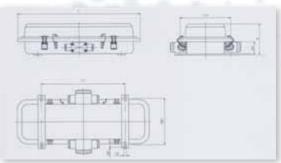


Pendant / Ceiling / Wall and Work Lights

IMPA Code: 79 19 11

FLUORESCENT PENDANT LIGHT



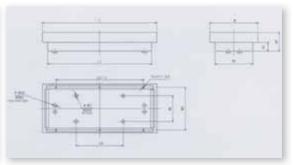


CURRENT TYPE	POWER	VOLTAGE/ FREQUENCY	WEIGHT	PROTECTION CLASS	L	L1	Н	PREVIOUS TYPE
ZYC23-2			6.2kg				127	ZYC20-3
ZYC23-2E	20W x 2	20W x 2 6.3kg 690 6.9kg	480	127	ZYC20-3E			
ZYC23-2EF			6.9kg				148	ZYC20-3EF
ZYC33-2		110V/60Hz	9.2kg	IP56	992	700	127	ZYC30-3
ZYC33-2E	30W x 2	220V/50Hz	9.3kg				127	ZYC30-3E
ZYC33-2EF		60Hz	10kg				128	ZYC30-3EF
ZYC43-2			10.5kg]			127	ZYC40-3
ZYC43-2E	40W x 2		10.6kg		1294	700	127	ZYC40-3E
ZYC43-2EF			12.3kg				148	ZYC40-3EF

IMPA Code: 79 19 03

FLUORESCENT CEILING LIGHT



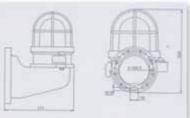


CURRENT TYPE	POWER	VOLTAGE/ FREQUENCY	WEIGHT	PROTECTION CLASS	L	L1	L2	L3xn	w	W1	W2	W3
ZYP15-2	15W x 2		4.2kg		530	496	220	200x2	228	188	120	204
ZYP15-2E	13W X Z		4.21kg		550	490	220	200X2	220	100	120	204
ZYP20-2	20W x 2	110V/60Hz	5.1kg		675	646	380	190x3				
ZYP20-2E	20VV X 2	220V/50Hz	5.11kg	IP22	0/3	040	360	190X3				
ZYP30-2	30W x 2	60Hz	8.0kg	IPZZ	980	945	580	210x4	256	216	175	232
ZYP30-2E	30W X Z	ООПИ	8.01kg		900	945	360	210X4	250	210	1/3	232
ZYP40-2	4014/ 2		9.1kg		1205	1250	1085	200.4				
ZYP40-2E	40W x 2		9.11kg		1285	1250	1085	280x4				

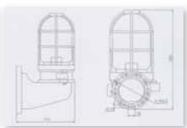
IMPA Code: 79 20 67 / 68

WALL LAMP









WB-1

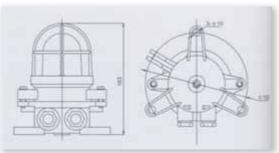
WB-2

ТҮРЕ	POWER	VOLTAGE	LAMP HOLDER	MATERIAL	COLOR	PROTECTION CLASS	WEIGHT
WB-1	15W	24V	FE12, FE14, FB15	C t	Transparent,	IDEC	0.55kg
WB-2	60W	220V	FE26, FB22	Synthetic resin	red, green, yellow, blue	IP56	0.85kg

IMPA Code: 79 20 53 / 57

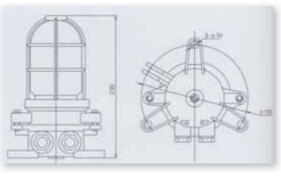
WORK LAMP





DS7-1M



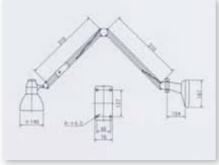


DS7-2M

ТҮРЕ	POWER	VOLTAGE	LAMP HOLDER	MATERIAL	COLOR	PROTECTION CLASS	WEIGHT
DS7-1M	15W	24V	FE12, FE14	C	Transparent,	IDEC	0.55kg
DS7-2M	60W	220V	FB15	Synthtic resin	red, green, yellow, blue	IP56	0.85kg

Chart Lamp / Marine Watertight Plug





CHT4 chart lamp

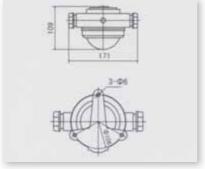
IMPA Code: 79 21 21

CHART LAMP

Model CHT4 Voltage 220V Power ≤100W Lamp Holder E27 Weight 2kg Voltage 220V Туре Pantagraph 30v to 218v Transistor adaptor

CHT4 is used to light on the chart desk in steering room, with steel shell. The whole lamp is mobile upside down, fore and back, left and right, and is equipped with transistor adjuster, can control steplessly, with the light adjusting range from 30V to 218V.





Candescent pendant light

CANDESCENT PENDANT LIGHT

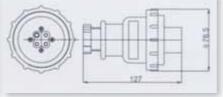
Model CCD 3-2, CCD 3-3

Commonly used for lifeboat interior



T-1MA

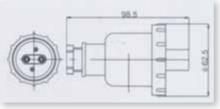




T-2MA

T-MA





IMPA Code: 79 28 01

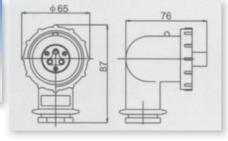
MARINE WATERTIGHT PLUG

Model T-1MA Voltage 250V Current 20A

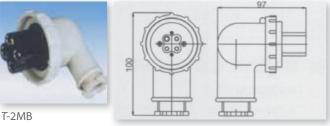
Model T-2MA 250V Voltage Current 20A

Model T-MA Voltage 24V Current 10A

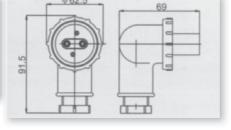












79 28 04 IMPA Code:

MARINE WATERTIGHT PLUG

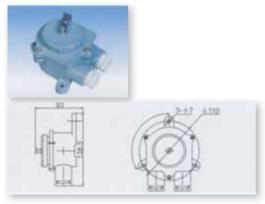
Model T-1MB 250V Voltage Current 20A

Model T-2MB 250V Voltage Current 20A

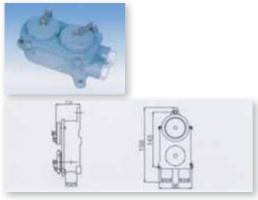
Model T-MB 24V Voltage Current 10A

SIGNALS AND LIGHTS

Marine socket / Marine Watertight Junction Box and Switch / AJ Electrical Key



Z-1M

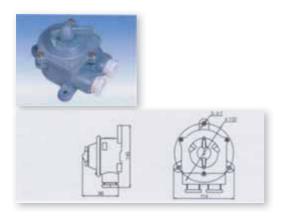


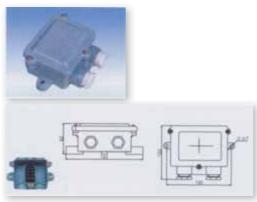
Z-2M

IMPA Code: 79 28 06 / 07

MARINE SOCKET, SOCKET WITH SWITCH

Model Z-1M Voltage 2P+E 250V Current 20A Model Z-2M Voltage (2P+E)x2 250V Current 15A Model Z-2MA Voltage 3P+E 250V Current 15A



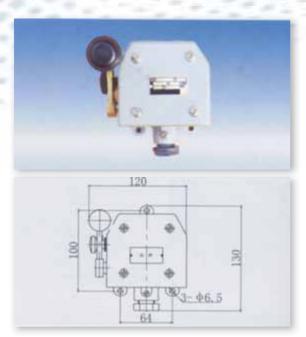


)-1M

IMPA Code: 79 30 17

MARINE WATERTIGHT JUNCTION BOX AND SWITCH

K-2MR Type 250V Voltage Current 10A J-1M Туре Voltage 250V Current 20A Туре J-2M 250V Voltage Current 20A



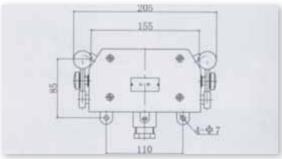
AJ ELECTRICAL KEY

Туре	AJ1
Rated Amp (A)	1.5
Rated Voltage (V)	250
Protection	IP56
Weight (kg)	1.0

Туре	AJ2
Rated Amp (A)	1.5~2
Rated Voltage (V)	250
Protection	IP56
Weight (kg)	1.7

AJ1





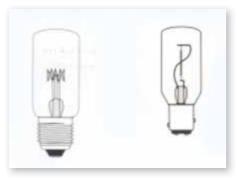
AJ2

SIGNALS AND LIGHTS

Flash light / Bulbs



Sabrelite 2000



 \mathbbmss{J} Approved by the Dutch: "Directorate – General, for Freight Transport Aids to Navigation Department" ISO certified / Colreg 72 / IMO / IALA / IMPA

PELICAN SABRELITE 2000

Light Source Xenon
Tested Lumen Value 33.0
Tested Lux Value(@ 1 meter) 10,000
Batteries 3C Alkaline
Battery Burn Time 5 hrs.
Watts 3.3
Voltage 4.5

Length 7.79" (19.8cm)
Weight w/ Batteries 12.8oz (0.36kg)
Weight w/o batteries 5.31 oz (0.15kg)

BULBS

TYPE	VOLT	WATT	BASE	ISSA	IMPA
HIPE	VOLI	WAII	DASE	ISSA	IIVIPA
₽N,00,008	24	40	P28S	7322801	
₽N,00,008	110	60	P28S	7322803	790432
₽N,00,008	220	65	P28S	7322804	790434
	24	40	BA22D	7322604	790411
	110	60	BA22D	7322610	790427
	110	80	BA22D	7322612	
	220	65	BA22D	7322614	790429
	220	65	BA22D	7322617	
	24	40	E27	7322702	790401
	110	60	E27	7322705	790422
	110	80	E27	7322706	
	220	65	E27	7322708	790424
	220	85	E27	7322709	
	12	10	BAY15D	7322901	
₽N,03,011	12	25	BAY15D	7322903	
₽N,03,011	24	10	BAY15D	7322906	
₽N,03,011	24	25	BAY15D	7322908	
	28	25	BAY15D	7322909	
	110	25	BAY15D	7322911	
	220	25	BAY15D	7322912	



- Offshore and lowline hatches
- Bilge pumps/Bilge ump ontrol switches/ Toilet systems
- Impeller/Raw water strainers

LEISURE BOAT AND YACHT EQUIPMENT

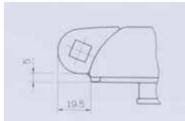
Offshore and Lowline Hatches

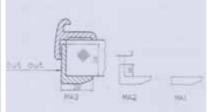
OFFSHORE HATCHES

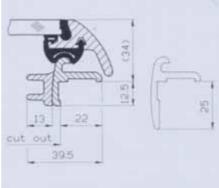


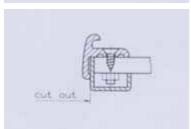












SIZE NO.	HATCH 1/2" SPIGOT PART NO.	HATCH 1" SPIGOT PART NO.	CUT OUT SIZE-RADIUS (mm)	OVERALL SIZE (mm)	WEIGHT (kg)	ACRYLIC THICKNESS	PLASTIC FRAME PART NO.	FLYSCREEN PART NO.
1	622525M36	632525M36	250x250 - R36	305x305	2.3/2.4		522525	532525 M36
2	623420M36	633420M36	340x200 - R36	295x255	2.5/2.6		523420	533420 M36
3	624141M36	634141M36	415x415 - R36	470x470	4.7/4.9		524141	534141 M36
4	624532M36	634532M36	450x320 - R36	505x376	4.3/4.4	8mm	524532	534532 M36
5	624343M36	634343M36	435x435 - R36	490x490	5.2/5.4		524343	534343 M36
6	625037M36	635037M36	500x370 - R36	555x425	4.9/5.1		525037	535037 M36
7	625050M36	635050M36	500x500 - R36	555x555	6.0/6.2		525050	535050 M36
8	626262M36	636262M36	620x620 - R36	675x675	9.3/9.6	10mm	526262	536262 M36
9	674343M36	684343M36	435.5x435.5 - R36	490x490	6.1/6.3	12mm	524343	534343 M36

LOWLINE HATCHES



SIZE NO.	HATCH PART NO.	CUT OUT SIZE (mm)	CUT OUT RADIUS (mm)	OVERALL SIZE (mm)	HEIGHT MOUNTED (mm)	WEIGHT (kg)	ACRYLIC THICKNESS	PLASTIC FRAME NO.	FLYSCREEN KIT PART NO.	ESCAPE HATCH ISO 9094
1	552525 M50	250x250		320x320		1.51				
2	553420 M50	340x200		402x262		1.76				
3	554242 M50	420x420		482x482		4.50				
4	554343 M50	432x432	50	494x494 512x382	26.5	4.60	8			
5	554532 M50	450x320	50		26.5	3.67				
6	555037 M50	500x370		562x432		4.59				
7	555050 M50	500x500		562x562		5.80				X
8	556262 M50	620x620		682x682		7.65	10			Χ

LEISURE BOAT AND YACHT EQUIPMENT

Bilge Pumps / Bilge Pump Control Switches / Toilet Systems

BILGE PUMPS







1500 G.P.H.

2000 G.P.H.

3700 G.P.H.

BILGE PUMP CONTROL SWITCHES



Rule-A-Matic float switch



Rule-A-Matic Plus float switch



SuperSwitch float switch



DOMETIC 970 SERIES PORTABLE TOILET

- High-strength plastic portable toilet
- Self-contained 5-gallon and 2.6-gallon holding tank models
- · Push-button pressurized flush
- Easy-view prismatic tank level indicator
- Uses less than 1 pint per flush



Piston rod and seal assembly



Regular and compact size



Electric toilet

TWIST N LOCK MANUAL TOILET

Fitting Connections for

19mm ID inlet hose, 38mm ID outlet hose

Size Compact:45x41x34cm

Regular:47x48x35cm

Weight Compact: 9.3kg

Regular: 11.6kg

ELECTRIC TOILET

Fitting Connections for 16-

19mm) ID inlet hose, 25mm or 38mm ID

outlet hose

Size Compact:35x43x35cm

Regular:38x47x37cm

Weight Compact: 15.4kg

Regular: 17.3kg

LEISURE BOAT AND YACHT EQUIPMENT

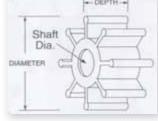
Impeller / Raw Water Strainers



Jabsco impeller







Flexible impeller removal tool



Groco arg strainer

JABSCO IMPELLER

Jabsco flexible impellers can be fitted to most makes and models of bronze flexible impeller engine cooling, bilge, transfer and general purpose pumps.

- Neoprene impellers for engine cooling
- Nitrile impellers for bilge pumping

FLEXIBLE IMPELLER REMOVAL TOOL

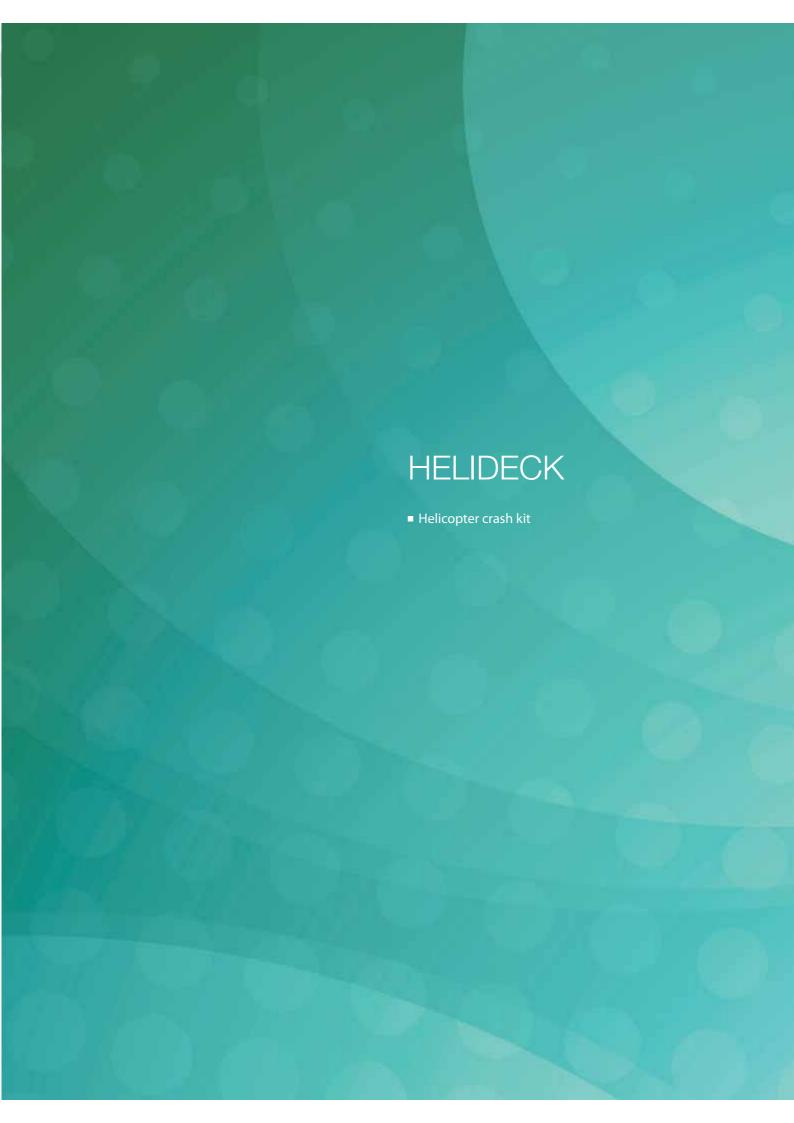
The Flexible Impeller Removal Tool is the easiest way to remove impellers, especially when the pump is mounted in tight and cramped conditions.

Size 6" x 1" x 8" max Weight 0.5kg

- Simple three stage operation easily removes the impeller
- Removes the risk of expensive damage to the pump
- Manufactured from corrosion resistant cast aluminium and stainless steel
- Two models fit all impellers

GROCO ARG STRAINERS

#304 STAINLESS BASKET	NON- METALLIC BASKET	MONEL BASKET	PIPE SIZE	А	В	С	D	E	F	G	WEIGHT	RATIO*	PKG
ARG-500-S	ARG-500-P	ARG-500	1/2"	6.38	4.50	5.25	1.50	1.00	1.07	3.50	3.5#	54:1	4
ARG-755-S	ARG-755-P	ARG-755	3/4"	6.38	4.50	5.25	1.50	1.00	1.07	3.50	3.5#	24:1	4
ARG-750-S	ARG-750-P	ARG-750	3/4"	8.38	4.50	5.25	1.50	1.00	1.07	5.50	3.7#	36:1	4
ARG-1000-S	ARG-1000-P	ARG-1000	1"	9.00	5.75	6.50	2.00	1.13	1.19	5.88	5.75#	28:1	2
ARG-1210-S	ARG-1210-P	ARG-1210	1-1/4"	9.19	5.75	6.50	2.00	1.13	1.19	5.88	6.1#	18:1	2
ARG-1250-S	ARG-1250-P	ARG-1250	1-1/4"	10.63	5.75	6.50	2.25	1.13	1.19	7.88	6.4#	24:1	2
ARG-1500-S	ARG-1500-P	ARG-1500	1-1/2"	11.38	7.25	7.75	2.50	-	1.00	6.50	9.6#	20:1	1
ARG-2015-S	ARG-2015-P	ARG-2015	2"	12.00	7.25	7.75	2.75	-	1.00	6.50	11.1#	11:1	1
ARG-2000-S	ARG-2000-P	ARG-2000	2"	14.00	7.25	7.75	2.75	-	1.00	8.00	12.2#	14:1	1
ARG-2515-S	ARG-2515-P	ARG-2515	2-1/2"	12.70	7.25	7.75	2.75	-	1.00	7.75	13.5#	7:1	1
ARG-2520-S	ARG-2520-P	ARG-2520	2-1/2"	14.64	7.25	7.75	3.25	-	1.00	8.00	13.5#	9:1	1
ARG-2500-S	ARG-2500-P	ARG-2500	2-1/2"	17.00	7.25	7.75	3.25	-	1.00	10.00	14.15#	11:1	1
ARG-3015-S	ARG-3015-P	ARG-3015	3"	13.25	7.25	7.75	3.25	-	1.00	6.50	15.0#	5:1	1
ARG-3020-S	ARG-3020-P	ARG-3020	3"	15.19	7.25	7.75	3.25	-	1.00	8.00	15.75#	6:1	1
ARG-3025-S	ARG-3025-P	ARG-3025	3"	17.37	7.25	7.75	3.25	-	1.00	10.00	16.5#	8:1	1
ARG-3000-S	ARG-3000-P	ARG-3000	3"	19.75	7.25	7.75	3.25	-	1.00	12.00	17.25#	9:1	1



Helicopter Crash Kit



Rescue equipment



Fire fighting equipment

Approvals: SOLAS

HELICOPTER CRASH KIT

The following rescue equipment is required for any vessel with helicopter deck according to SOLAS II-2 regulation:

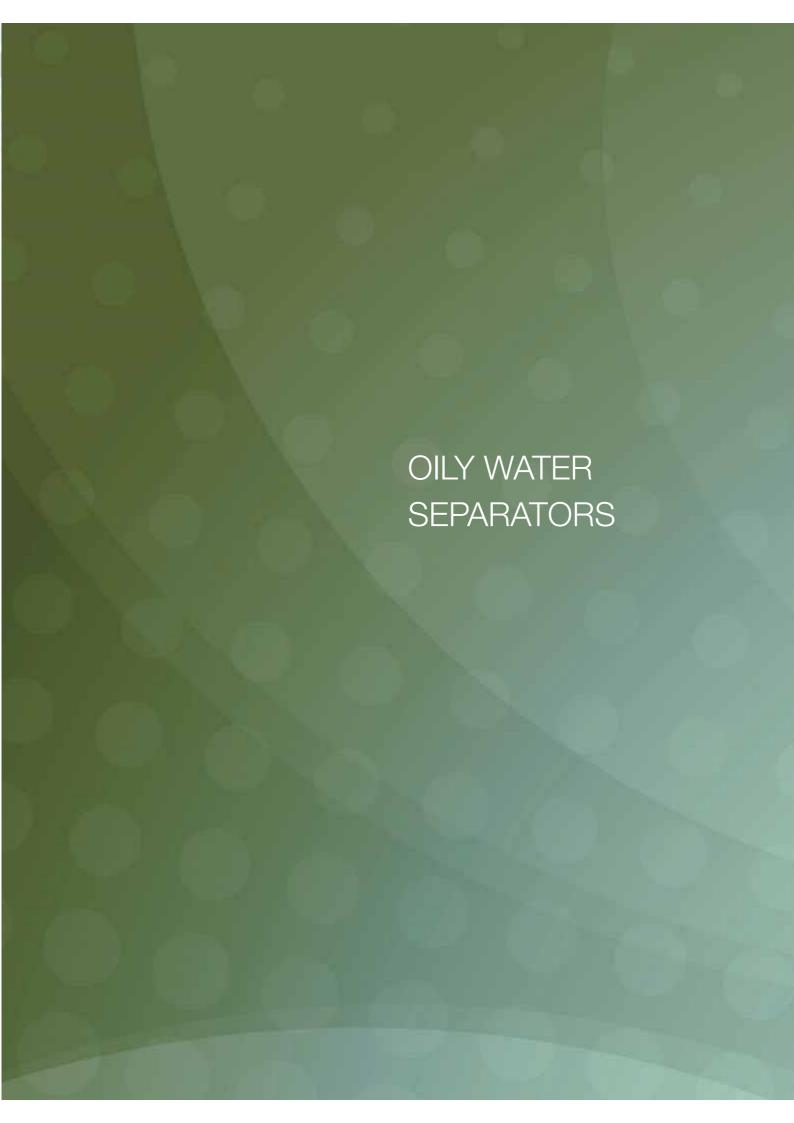
- Adjustable wrench
- Fire blanket
- Blot cutter 60cm
- Grab / salvage hook
- Metal hacksaw, heavy duty, complete with 6 space blades
- Ladder (will be packed separately)
- Rescue line ø5mm, 15m long
- · Wire cutting pilers
- Set of assorted screwdriver
- · Harness knife complete with sheath
- Equipment packed in GRP storage box

Approvals: SOLAS

FIRE FIGHTING EQUIPMENT

The following fire fighting equipment is required for any vessel with helicopter deck according to SOLAS II-2 regulation:

- Two powder extinguishers with a total of 45kg extingishing agent
- One CO² extinguisher of at least 18kg or equivalent extinguisher
- One foam applicator incl. foam monitor to reach all parts of helicopter deck
- Two branchpipes incl. hose
- Two sets of personal fire fighting quipment



MARINE OILY BILGE SEPARATOR





	CYF0.05m³/h	CYF0.1m³/h	CYF0.25m³/h				
CAPACITY	0.05m³/h	0.1m³/h	0.25m³/h				
DISCHARGE STANDARD		<15mg/L					
WORKING PRESSURE	<0.15	<0.2	<0.2				
PUMP	DZ-50	DZ-100	DZ-250				
OIL-DRAINING CONTROL	manual	Automatic	and manual				
POWER SUPPLY	AC380v50Hz or t	o be decided according to u	ser's requirement				
OVERALL DIMENSION	470 x 320 x 760	889 x 417 x 663	1100 x 417 x 873				
WEIGHT	37	125	170				

MARINE OILY WATER SEPERATOR - BILGE ALARM

- 15pp Bilge Alarm
- Capacity: $0.25m^3 / h$, $0.5m^3 / h$, $1.00m^3 / h$







YWC - 0.25 YWC - 0.5 YWC - 1.00



- Oil Spill Response Kit/Oil Sorbent Pads/
 Oil Spill Mats Roll/Oil Spill Absorbent Socks/
 Oil Spill Absorbent Booms
- Oil absorbent pillows/Spark free hand scoop

OIL POLLUTION FOUIPMENT

Oil Spill Response Kit / Oil Sorbent Pads / Oil Spill Mats Roll / Oil Spill Absorbent Socks / Oil Spill Absorbent Booms





Oil Spill Response Kits

BOS-KIT 6

- 6.5 gallon drum
- 10 pads, 16" x 20"
- 2 socks, 3" x 4"
- 1 pair googles
- 1 pair gloves
- · 1 disposal bag
- · Absorbency: 5 gallons

BOS-KIT 20

- 20-gallon overpack salvage drum
- 1 sock oil-only, 3" x 4"
- 15 pads, 16" x 20"
- 2 pillows, 16" x 20"
- 5 disposal bags and ties
- · 1 emergency response guidebook
- 1 pair nitrile gloves
- · 1 pair googles
- 1 spill instruction guide
- · Absorbency: 18 gallons

BOS-KIT 30

- 30-gallon overpack salvage drum
- 6 socks oil-only, 3" x 4"
- 4 pillows, 16" x 20"
- 35 pads, 16" x 20"
- 5 disposal bags and ties
- · 1 emergency response guidebook
- · 1 pair nitrile gloves
- 1 pair googles
- 1 spill instruction guide
- · Absorbency: 25 gallons

BOS-KIT 55

- 55-gallon lever lock X-rated drum
- 5 socks oil-only, 3" x 4"
- 50 pads, 16" x 20"
- 4 pillows, 16" x 20"
- 5 disposal bags and ties
- 1 emergency response guidebook
- 1 pair nitrile gloves
- · 1 pair googles
- · 1 spill instruction guide
- · Absorbency: 50 gallons

BOS-KIT 95

- 95-gallon overpack salvage drum
- 10 socks oil-only, 3" x 4"
- 75 pads, 16" x 20"
- 8 pillows, 16" x 20"
- 10 disposal bags and ties
- · 1 emergency response guidebook
- 1 pair nitrile gloves
- 1 pair googles
- · 1 spill instruction guide
- · Absorbency: 90 gallons



Oil sorbent pads

OIL SORBENT PADS

ITEM CODE	200	250	300	350	400
SIZE (cm*cm)	40*50	40*50	40*50	40*50	40*50
COUNT &	200	150	150	100	100
PACKAGING	pcs	pcs	pcs	pcs	pcs
ABSORBENCY	120	115	135	105	120



Oil spill mats roll

OIL SPILL MATS ROLL

ITEM CODE	200 /	250 /	300 /	350 /	400 /
	200D	250D	300D	350D	400D
SIZE (cm*M)	40*50 /	40*50 /	40*50 /	40*50 /	40*50 /
	80*50	80*50	80*50	80*50	80*50
COUNT & PACKAGING	1R	1R	1R	1R	1R
ABSORBENCY	60/120	75/150	90/180	105/210	120/240



Oil spill absorbent socks



OIL SPILL ABSORBENT SOCKS

ITEM CODE	7612	7624	7636
SIZE	ø 7.6cm x 1.2M	ø 7.6cm x 2.4M	ø 7.6cm x 3.6M
COUNT & PACKAGING	20 socks	10 socks	7 socks
ABSORBENCY	85	85	85



Oil spill absorbent booms

OIL SPILL ABSORBENT BOOMS

ITEM CODE	12730	12760	20030	20060
SIZE	ø 12.7cm x 3M	ø 12.7cm x 6M	ø 20cm x 3M	ø 20cm x 6M
COUNT & PACKAGING	4 booms	2 booms	4 booms	2 booms
ABSORBENCY	106	106	206	206

OIL POLLUTION EQUIPMENT

Oil Spill Absorbent Pillows / Hand Scoop Spark Free



Oil spill absorbent pillows



Shovel spark free



Hand scoop spark free

OIL SPILL ABSORBENT PILLOWS

ITEM CODE	2025	2540	3550	4050
SIZE	20cm x	25cm x	35cm x	40cm x
	25cm	40cm	50cm	50cm
COUNT & PACKAGING	30	24	12	10
	pillows	pillows	pillows	pillows
ABSORBENCY	65	105	65	65

IMPA Code: 61 59 51/52/53

SHOVEL SPARK FREE

IMPA Code: 61 59 65

HAND SCOOP SPARK FREE

OCCUPATIONAL SAFETY

- Helmets/Full harness/Full face mask
- Oil absorbent pillows/Spark free hand scoop.

Safety Helmets / Full Harness / Full Face Mask

V-GARD SAFETY HELMET

· Colour: white, red, yellow







Safety helmet



Full harness

IMPA Code: 33 11 04

FULL HARNESS BODY TYPE

- D-ring in the back
- Leg loops
- 45mm polyester strap





Full face mask Panorama Nova Standard P

IMPA Code: 33 11 37

DRAEGER FULL FACE MASK PANORAMA NOVA STANDARD P

- Naterial: EPDM rubber
- Thread connector
- Five-point head harness
- May be combined with safety harness

ТҮРЕ	CLASS
particle filter	P3
combined filter	A2 – P3
combined filter	A2 – B2 – E2 – K1 – P2

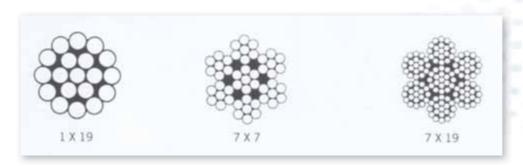
STAINLESS STEEL WIRE ROPES AND PRODUCTS

■ Wire ropes/Stainless steel chain

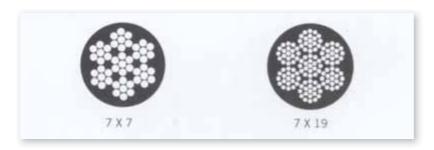
STAINLESS STEEL WIRE ROPES AND PRODUCTS

Wire Ropes / Stainless Steel Chain

STAINLESS STEEL WIRE ROPE



STAINLESS STEEL WIRE ROPE WITH PVC COATED





Stainless steel chain

ASSORTED STEEL PRODUCTS





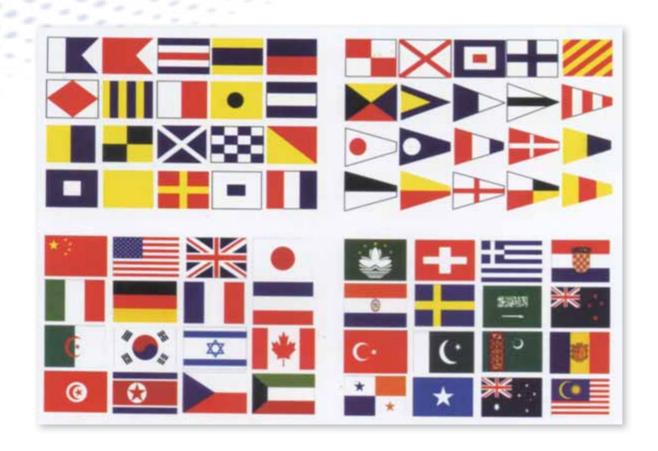


- International codes and flags/Flag hooks
 IMO symbols and safety signs/
 Fire and safety pictograms/

- IMO Fire control symbols/ Direction signs
- Safety and training posters

International Codes and Flags / Flag Hook International Codes AND FLAGS

INTERNATIONAL CODES AND FLAGS





FLAG HOOKS

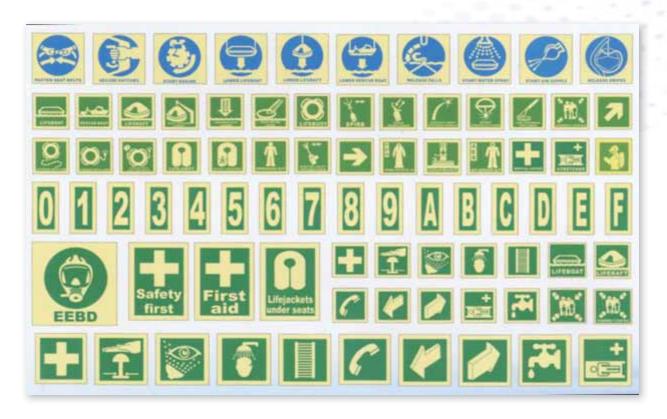
Material

Brass Plastic

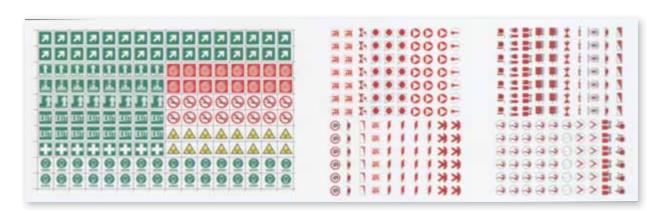
IMO SIGNS AND SYMBOLS

IMO Symbols and Safety Signs / Fire and Safety Pictograms / IMO Fire Control symbols / Direction Signs

IMO SYMBOLS AND SAFETY SIGNS



FIRE AND SAFETY PICTOGRAMS



IMO FIRE CONTROL SYMBOLS



DIRECTION SIGNS



IMO SIGNS AND SYMBOLS

Safety and Training Posters

SAFETY AND TRAINING POSTERS















IMO SIGNS AND SYMBOLS

Safety and Training Posters



TECHNO MARINE GROUP OF COMPANIES

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