



Time for Supplies



Poseidon

MARINE SUPPLIES AROUND THE CLOCK

The Company

01. Product Categories



02. Distributed Companies

Ship Supply / Industrial Supply

- Bright Star Flashlight
- Thistlebond Adhesives
- RAE Gas Detectors
- Daniamant Lights
- SOLO UK - Smoke & Heat Detectors
- Hammar Hydrostatic Release
- Fireman Suits SOLAS U.K.
- T-ISS Reflective Tapes
- Alcohol Detectors

Safety

- DSB Liferrafts
- RFD Beaufort
- TOYO Liferrafts
- EUROVINIL Liferrafts
- FASSMER Lifeboats
- DPI Breathing Apparatus
- DATREX Rations
- IMPERIAL Immersion Suits
- COMET Pyrotechnics
- TYCO Total fire extinguishers



03. Welcome Note

Message from the Chairman

Dear Colleagues,

Since the foundation of **Poseidon Marine Supplies** in 1976, there has always been a shared vision to provide top quality products and high standard services at the lowest possible cost. Over the years, our continuous hard work in ensuring that our aims and goals are met, has earned the company an outstanding reputation in the marine industry and our clients' trust. At this point, Poseidon Marine Supplies can proudly claim to be one of the leading ship supplying companies in Greece and Balkans, providing reliable and profitable solutions.

Poseidon Marine Supplies specializes in marine supplies and safety equipment. Through strategic partnership with established international companies, we can efficiently meet all our clients' shipping supply needs with best quality products in the sections of:

Marine supplies - Engine stores - Deck stores - Cabin stores - Safety equipment - Marine electrical appliances - Compasses - Firefighting Equipment - Service of davits and lifeboats - Service station of life rafts and RFD marin ark systems.



Poseidon New Building



Technoship Service

Poseidon Marine Supplies is located in a privately owned building close to the port, in the heart of Piraeus. Our facilities' total storage capacity is 5000 m², whereas an area of 1500 m² is exclusively used for the inspection of life rafts and fire extinguishers. Since 2002, our company has been following the practices of the Quality Management System according to ISO 9001:2000. In addition, our safety branch is being inspected and approved biennially, by the following major private and governmental authorities: DNV, ABS, RINA, B.V., LLOYD'S REGISTER, GERMANISCEER LLOYD, and the GREEK MINISTRY OF MERCHANT SHIPS.

In a demanding field as the marine industry, our slightest obligation is to remain committed to our primary vision. We owe that to ourselves, considering our company's role in the marine industry, and to our clients who trust and support Poseidon Marine Supplies for the last 35 years.

With best regards,
Michael Papachastas



For the last...

35 years, 12.775 days, 306.600 hours

"we provide a better and safer environment
for the greek and international shipping fleet worldwide"

Welcome to our family

16 Cloth & Linen Products - **IMPA 15**

Tableware & Galley Utensils - **IMPA 17**

18 Clothing Equipment - **IMPA 19**

Ropes & Hawsers - **IMPA 21**

19 General Desk Equipment - **IMPA 23**

Painting Equipment - **IMPA 27**

21 Safety Equipment - **IMPA 33**

Navigation Equipment - **IMPA 37**

31 Medicines - **IMPA 39**

Hardware - **IMPA 49**

33 Brushes & Mats - **IMPA 51**

Lavatory Equipment - **IMPA 53**

35 Pneumatic & Electrical Tools - **IMPA 59**

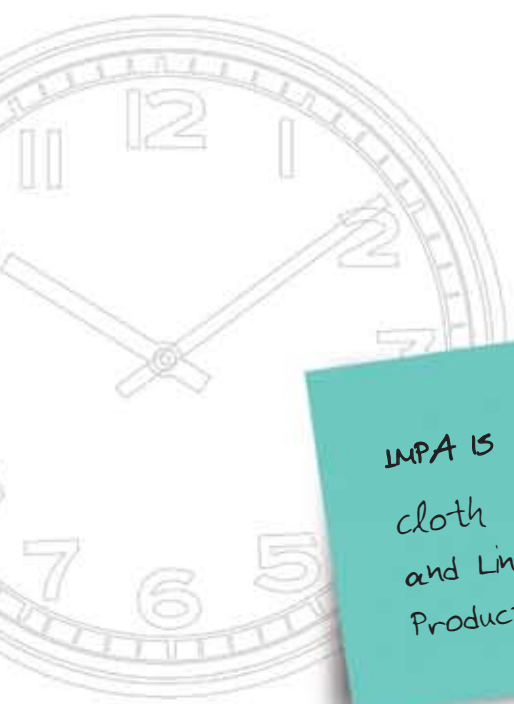
Hand Tools - **IMPA 61**

43 Measuring Tools - **IMPA 65**

Packing & Jointings - **IMPA 81**

46 Special Products





MPA 15
cloth
and Linen
Products



Bed Sheets

Made of 100% cotton, woven 24 denier 131 (65'A66) threads per square inch. Sanforized, machine wash, hot tumbler dry, usually furnished white or blue colour. Standard sizes are listed below.

White Sheets			Blue Sheets		
No.	Size mm Width Length		No.	Size mm Width Length	
1	1370	2300	41	1370	2300
2		2500	42		2500
3		2600	43		2600
6	1500	2300	46	1500	2400
7		2400	51	1600	2820
11	1600	2500	56	1828	2300
12		2600			2500
13		2820			2600
16	1828	2300	61	2030	2400
17		2500			2500
18		2600			2600
21	2030	2400	62	2030	2500
22		2500			2600
23		2600			
26	2286	2400	63	2030	2500
27		2500			2600



Wool Blankets

Loom woven blanket of 100% wool. Shedding, matting and piling resistant.

Size mm	Colour
1400'A2000	WHITE CAMEL BLUE
1500'A2000	BLUE WHITE
1800'A2300	CAMEL BLUE
1800'A2400	CAMEL

Rayon-Acryl Blankets

Durable blend of 70% Rayon and 30% Acryl. Machine wash at warm temperatures and tumble dry.

Size mm	Colour
1400'A2000	CAMEL BLUE
1800'A2300	CAMEL BLUE

100% Acryl Blankets

Size mm	Colour
1400'A2000	CAMEL BLUE GREY
1500'A2000	CAMEL BLUE
1800'A2300	CAMEL BLUE



Non-Skid Sheeting

Rubber made mesh sheet. Used for preventing dishes and etc from slipping on smooth surfaces. Thickness 2mm, width 600mm or 800mm, length 30 mtr/roll.



Towels

Made of 100% cotton for durability and absorption. Looped cotton fabric on both sides.

No	Name	Colour	Size mm	Weight Per Sht
1	Bath	White Blue	730'A1330	315 grm
2				
3	Face	White Blue	390'A1000	115 grm
4				
5	Sweat	White	300'A760	30 grm



TABLE EQUIPMENT

Sauce Caster Sets

Revolving stand with 4 bottles for Worcestershire sauce, soy sauce, salt and tooth picks. Available in all plastic or glass body with stainless steel cap type in set.

No	Bottles	Stand
1	Plastic	Plastic
2	Glass with stainless steel cap	Stainless steel



TABLE EQUIPMENT

Salt and Pepper Caster Sets

Two glass shakers, complete with stainless steel stand.

TABLE EQUIPMENT

Edlund Table Can Openers

Edlund Co. Inc. Can Opener, Manual #1, Each:
Convenient table style. Tough cast iron construction. Tempered steel reversible knife. Plated table base. NSF models completely disassemble for easy cleaning. Quick-change gear and pull pin blade replacement. Stainless steel shaft and base with plastic inset for smooth gliding. Top of the line S-11 models are cast stainless steel and are dishwasher safe. USA made. Strong rust resistant arbour. Plastic bushing for lower turning force and easier opening. New base with plastic insert. Heavy duty manual can opener which can be screwed or clamped to a bench. Made of a tough cast iron construction with a hardened and tempered steel knife. Two models with the respective specifications are listed below.



Edlund Model	Max. Height of Can App. mm	Overall Length mm	Base Size Mm
No.2	200	320	100'A100
No.3	350	565	140'A205
No	Table can opener, Edlund No.2 complete		
1	Spare knife for Edlund No.2 can opener		
2	Spare gear for Edlund No.2 can opener		
3	Table can opener, Edlund No.3 complete		
4	Spare knife for Edlund No.3 can opener		
5	Spare gear for Edlund No.3 can opener		



PIPE CLEANERS

Snake Wire Pipe Cleaners

Ideal for use on clogged pipes, etc. A snaked like flexible coiled non-corrosive 6mm diam. steel wire with 17mm diam. Spiral head will remove any obstacles. Two size of wire length available.

1	Pipe cleaner 6mm'ix5Mtr
2	Pipe cleaner 6mm'ix10Mtr

BALANCE SCALES

Balance Scales

For weighing items in bulk. Capacity range from 200 grams to 50 kilograms. Available in metric graduation only. Plastic or steel platform trays.



No	Max. Weighing grm or kgs	No	Max. Weighing grm or kgs
1	200 grm	1	8 kgs
2	400 grm	2	10 kgs
3	800 grm	3	12 kgs
4	1 kg	4	20 kgs
5	2 kgs	5	30 kgs
6	2 kgs	6	50 kgs

MPA 16
Tableware
and Galley
utensils

CLEANING EQUIPMENT

Spring Clamp Mop



Quick-way type spring clamp eliminates cutting or untangling. Merely slide off the old mop head and slide on the new one. Take just seconds.

CLEANING EQUIPMENT

Yacht Mops



Made of soft white yarn and fastened to the handle end. Length overall is 1850mm

CLEANING EQUIPMENT

Corn Whisks



Used for sweeping work-benches and dusting off light dirt or rust from machinery and other difficult to reach spots

CLEANING EQUIPMENT

Galley Gloves



Made from soft, elastic, thin rubber to suit galley use.

CLEANING EQUIPMENT

Wringer Mop Buckets



A handy foot pedal device to wring out the mop without bending over. The size is 330 x 340 x 280mm made of hard plastic with a steel wringer frame.

1

Wringer mop bucket

CLEANING EQUIPMENT

Long Handled Brooms



Corn Broom 1,500mm Sturdy corn broom has a long handle for use with dust pan

CLEANING EQUIPMENT

Stainless Steel Divide & Drop as Treys



HOME ELECTRICAL APPLIANCES - Refrigerators -

Mini Bar



Low energy consumption. High-efficient and low consumed compressor. First class system matching achieves the outstanding silence. Humanization design, compact and exquisite.

Model	BC-50
Climate Type	N (10-32)
Rated Voltage	110-220V
Rated Frequency	50Hz / 60 HZ
Input Power	50W
Power Consumption (kW.h/24h)	0.30
Net Weight	16kg
Gross Weight	18kg
Unit Dimension (WxDxH) (mm)	445x465x490
Packing Dimension (mm)	495x520x515

HOME ELECTRICAL APPLIANCES - Refrigerators -

Refrigerator



Environmental protection. Removal glass. Energy Grade A

Fridge Capacity	180
Installation	Portable
Voltage	220 / 110V (H): 50 / 60
Brand Name	PANORAMA
Freezer Capacity	40
Power Source	Electricity
Type	Top-Freezer
Certification	RoHS, CE, CB
Defrost Type	Manual Defrost
Material	Plastic
Feature	Compressor
Unit size (mm)	550x570x1430
Packing size (mm)	595x610x1475

HOME ELECTRICAL APPLIANCES - Refrigerators -



Freezer

Net Liters	258L
Product Size	1010*550*810mm
Packing Size	1100*620*864mm
N.W	46kg
Power source	220V/50Hz 110V/60Hz
Input power	158W
Power consumption	1.30kw.h/24h
FF temp.	0 ~ 10oC
FZ temp.	<=-18oC
Defrost	Manual
Handle	Recessed
Basket	1 basket Lock: Yes
Wheel& Drainage	Yes
Evaporator	Tube Coil

HOME ELECTRICAL APPLIANCES - Washing Machine -

Washing Machine



Home Washing Machine - Full plastifying body Folding Cover - Magic Filter with Labyrinth - Two Water Inlets - Single-deck Inner Wall - Quiet operation More efficiency - Washboard-like Inner Wall - Light weight, easily remove - Simple and Decent Design **Capacity:** Washing Capacity: 6.8KG, Spin Capacity:5.5KG **Water Level:** High Level: 58L, Middle Level: 50L, Low Level: 39L **Rated Input Power:** Washing Power: 360W, Spin-dry Power: 160W, Voltage/Frequency: 220-240V/50Hz; optional **Noise Standard:** Washing Noise: 62dB, Spin-dry Noise: 68dB, Certification: ISO9001 CCC CE CB **Weight:** Net Weight: 22KG, Gross Weight: 25KG **Dimension (W*D*H):** Machine Size: 760*430*840mm Packing Size: 780*460*845mm

HOME ELECTRICAL APPLIANCES - Household Appliances -

Toaster 2 slice



Home Washing Machine - Full plastifying body Folding Cover - Magic Filter with Labyrinth - Two Water Inlets - Single-deck Inner Wall - Quiet operation More efficiency - Washboard-like Inner Wall - Light weight, easily remove - Simple and Decent Design **Capacity:** Washing Capacity: 6.8KG, Spin Capacity: 5.5KG **Water Level:** High Level: 58L, Middle Level: 50L, Low Level: 39L **Rated Input Power:** Washing Power: 360W, Spin-dry Power: 160W, Voltage/Frequency: 220-240V/50Hz; optional **Noise Standard:** Washing Noise: 62dB, Spin-dry Noise: 68dB, Certification: ISO9001 CCC CE CB **Weight:** Net Weight: 22KG, Gross Weight: 25KG **Dimension (W*D*H):** Machine Size: 760*430*840mm Packing Size: 780*460*845mm

HOME ELECTRICAL APPLIANCES - Household Appliances -

Toaster 4 slice



- Electric 4 Slice Toaster
- CE,ROHS,GS
- 230V, 50HZ, 750W
- Deluxe design - Stainless steel shell
- Multifunction defrost reheat cancel
- Wide long and deep slot
- Self-centering guides optional
- Variable electronic browning control
- Re-upgrade function
- Auto pop up and auto shut off
- Slide out crumb tray easy to clean
- Indicator light
- Cord storage

HOME ELECTRICAL APPLIANCES - Household Appliances -

Sandwich Toaster



- Sandwich / waffle / grill / square plates available
- Two pilot lights
- Cool-touch housing
- Controlled by thermostat

Voltage / Frequency	220-110V / 50-60Hz
Watt	700W-750W
Gift box	26x9.8x26cm
Measurement of Carton	32x27x55cm
N.W. / G.W	10kg / 12kg

HOME ELECTRICAL APPLIANCES - Household Appliances -



Electric Hot Plate

Dual independent temperature controls. - Automatic safety shut-off with thermal fuse. - Adjustable temperature and indicator lights. - Non-skid rubber feet keep the unit steady. - High power design. - Perfect for student dorms, cottages, offices and camping using. - Product size: 496x287x82mm.

Power: 3,000W **Voltage:** 230V / 110V **Frequency:** 50Hz - 60Hz
Die-cast heating element size: 185mm+185mm.

HOME ELECTRICAL APPLIANCES - Household Appliances -



Thermo Pot

Electric thermo pot which inner-pot made of stainless steel. Auto re-boil at low temperature, 100% boiling water.

MAX. volume: 5.5L **Rated voltage:** 100V-250V, 50HZ. Dispensing lock, lock lid-prevents water from spilling outfox the unit tips over. High quality and efficient heating system, energy and saving timer. The top can be 360-degree rotation and placed arbitrarily, taking water more conveniently.

HOME ELECTRICAL APPLIANCES - Household Appliances -



Steam Iron

- 230V/50Hz, 2200W / 110V 60hz 1200w
- Water tank capacity: 300ml
- Self-clean system
- Qty/Ctn: 10pcs/ctn
- G.W/N.W: 13.5/11.5kg

HOME ELECTRICAL APPLIANCES - Household Appliances -



Blender Mixer

1.5L plastic jar and plastic body. - 3 speed with pulse function stainless steel blades. - 350W Mixer blender. - Safety switch control. - Ideal for fruit vegetable blending. - Removable filling cap for easy filling. - 4 rubber feet under base. - With a grinder cup. - Power: 250W or 350W - AC: 110V/220V 50/60Hz Carton box: 59.5x38x43.5 CM. - Approvals: CE, RoHS

HOME ELECTRICAL APPLIANCES - Household Appliances -



Automatic Electric Kettle

Power: 1500/1700W **Voltage:** 110V-220V / 50Hz - 60Hz
Capacity: 1.5-2.0L **Color:** Polish **Material:** Plastic
Approval: CE, RoHS, CCCs **Features:** Cordless electric kettle - Rapid boil - Automatic switch-off - 360° degree rotation base and isolation easy use - Power line concealed design, guarantee safe use - Multiple safety and protective devices.

HOME ELECTRICAL APPLIANCES - Household Appliances -



Coffee Maker

- Power: 1000w - Anti-drip feature - Swing-out filter basket
- On/off button with light indicator - Permanent filter with handle - 12 cups capacity - Box: 24x18.5x32cm

HOME ELECTRICAL APPLIANCES - Household Appliances -



Microwave Oven

- Cavity Size: 28/30/31 Liter
- Cavity: Painted/Stainless Steel
- Microwave Power: 30L-900 Watt
- Grill Power: 1000 Watt
- Double Grill: 500 Watt (for double grill only)
- Convection Power: 1100+1400 Watt
- Glass Turntable Diameter: 315 mm
- 8 Auto Menus
- Defrost Setting
- Pre-set Function

HOME ELECTRICAL APPLIANCES - Household Appliances -



Vacuum Cleaner

Electronic power control. Dust bag full indicator. Cordre winder system. Safety valve to protect motor. Accessory storage. 360° rotating of hose. Horizontal and vertical parking position.

Input voltage / Power	AC100-127V/600-1000W AC220-240V/1200W/1400W
Cord Length	5m
Suction Power	190W
Input Frequency	50/60Hz
Vacuum Pressure	18kpa
Dust Capacity	32L
Unit Size	35x28x21cm
Package Size	42.5x29.1x29cm
G.W	5.4kg
N.W	4.1kg

HOME ELECTRICAL APPLIANCES - Household Appliances -



Meat Chopper

1. Frame and meat tray in stainless steel. 2. Body, screw and knife die in stainless steel. 3. Compact size with no sharp corner or seams. 4. Powerful motor. 5. Quite in operation. 6. Forward-stop-reverse switch with circuit breaker. 7. Attachment: 2 role plate (Ø8mm, Ø6mm), 1 crossing knife, 1 sausage tube, 1 pusher

Model: TC22 **Rated Power:** 900W **Output Capacity:** 220Kg/h **Power Supply:** 110V-220V **Net Weight:** 36Kg **Gross Weight:** 38kg **Product Size (LxW x H):** 46x24x45cm **Packing Size (LxW x H):** 52x33x48cm

HOME ELECTRICAL APPLIANCES - Household Appliances -



Portable Universal Cooking Mixers

A quick and efficient portable cooking mixer suitable for preparing cake mix or making butter, soup and sauce. This mixer also shreds and slices food with the use of interchangeable blade attachments, increasing the range of jobs one can do.

1	Bowl capacity, 7 ltr
2	Power source 110/220V - 50/60Hz

HOME ELECTRICAL APPLIANCES - Household Appliances -



Rice Cooker

1. Machinery type, easy to use. 2. Inner pot is made by aluminium alloy of high intensity, durable. 3. Firm, wearable, non-stick coating. 4. Insoluble heating plate is of superior quality, safely and long life. 5. Detachable warm-keeping cover, easy to clean. 6. Automatically switch to keep warm when food is cooked. 7. Energy and time saving. 8. More types for your choice. 9. Power: 400W, Capacity: 2L

HOME ELECTRICAL APPLIANCES - Televisions / DVD -



Dvd Player

1. Multi System 110 / 220V - 50/60Hz
2. Compatible with DVD/DVCD/VCD/CD/MP3/CD-R/CD-RW/DVD+RW/DVD-RW/JPEG/Picture CD
3. Compatible with DVD discs in all regions
4. VGA output
5. Progressive scan
6. Built-in Dolby Digital AC-3 decoderand, 5.1CH audio output.
7. 8 dialog languages and 32 subtitle languages
8. Multi-language on-screen displays.
9. PAL system compatible.
10. Fast forward/rewind search, pause.
11. Zoom and other special effects.
12. Volume control.
13. Karaoke function.
14. Full-function Remote Control.
15. Operated with AC-110-240V, 50/60Hz.
16. USB input.
17. Component video output (YUV)
18. Composite video output, S-video output

HOME ELECTRICAL APPLIANCES - Televisions / DVD -

SHARP 14" / 21" / 29"



1. Latest digital bus control circuit
2. Multi-system PLA SECAM B/G D/K I / NTSC 4.43, 3.58
3. 255 programs, automatic search and memory
4. Multi-language for OSD menu: English, French, Arabic, Persian, Russian, Turkish, Indonesian and more
5. A grade picture tube, three years warranty
6. Normal flat
7. Five picture modes
8. Powerful sound effect
9. Two AV input (stereo/mono), one AV output, YUV and WOOFER are optional
10. Compatible with DVD / VCD / TV game player
11. Full function remote control
12. Game and calendar
13. Clock and sleep/on/off timer
14. Channel exchange, copy and preset



WORKING GLOVES

Cotton Working Gloves

Woven from cotton thread and machine knitted, fitting smooth to the hands. One size fits all:
1 Gloves-cotton working ordinary
2 Gloves-cotton working rubber coated palm
3 Gloves-cotton working non slip dots



WORKING GLOVES

Leather Palm Working Gloves

For heavy duty work deck and in the engine room. Fits soft and loose to the hands.

WORKING GLOVES

Natural Rubber Gloves

For general industrial use.

1	Gloves, rubber, natural, short	Pr
2	Gloves, rubber, natural, long	Pr

WORKING GLOVES

Vinyl Leather Winter Gloves

Vinyl leather with warm acrylic pile lining on cotton black. Elastic band.

1	Gloves, winter, vinyl leather, size M	Pr
2	Gloves, winter, vinyl leather, size L	Pr

PROTECTIVE SUITS

Steel-Toe Rubber Boots

Oil-proof, force-bearing, stab-proof, smallness. Widely used in fields of mines, oil field architecture, fire-fighting and so on. (Waterproof rubber outside line, Steel-toe protection on the job)

No.	Model	Size (cm)
1	41#	25,5
2	42#	26
3	43#	26,5
4	44#	27
5	45#	27,5
6	46#	28

WORKING GLOVES

Plastic Gloves Oil/Acid Free

Made from oil and chemical resistant plastic with finannel cloth inside to absorb sweat. Ideal for tank work, etc.

PROTECTIVE SUITS

Safety Work Shoes

Made from cow hide and has a non slip anti-oil rubber sole with deep crepe tread. Available with steel toe.

No.	Size (cm)	No.	Size (cm)
1	23,5	7	26,5
2	24	8	27
3	24,5	9	27,5
4	25	10	28
5	25,5	11	29
6	26	12	30

PROTECTIVE SUITS

Safety Work Half Boots

Steel toe working boots made from cow hide with non slip rubber sole and deep crepe tread.

Without Steel Toe		With Steel Toe	
No.	Size (cm)	No.	Size (cm)
1	24	10	24
2	24,5	11	24,5
3	25	12	25
4	25,5	13	25,5
5	26	14	26
6	26,5	15	26,5
7	27	16	27
8	27,5	17	27,5
9	28	18	28

PROTECTIVE CLOTHING

Winter Use Boldersuits

Insulated for protection from extreme cold when working outdoors in winter, in refrigerated areas, etc.

PROTECTIVE CLOTHING

Rain Suits

Rain suits yellow with hood High visibility yellow colored and waterproof raingear

No.	Size
1	M
2	L
3	XL
4	XXL

PROTECTIVE CLOTHING

Boldersuits

A unique 3-layer design provides the warmth of most baffled parkas, but with less weight and fewer exposed seams on the outer shell. It is cut longer throughout the body and made with a Windstopper shell to keep heat in and moisture out. At just 26 ounces, the Ion is one of the lightest big mountain parkas you will find.

Strand Manila Rope

A heavy duty all purpose rope. It provides the necessary tensile strength for safe operations.

200mtrs/110frms Manila Rope			220mtrs/120frms Manila Rope		
No.	Cir. Inch	Size Diam.mm	No.	Cir. Inch	Size Diam.mm
1	1	8	51	1	8
2	1-1/8	9	52	1-1/8	9
3	1-1/4	10	53	1-1/4	10
4	1-1/2	12	54	1-1/2	12
5	1-3/4	14	55	1-3/4	14
6	2	16	56	2	16
7	2-1/4	18	57	2-1/4	18
8	2-1/2	20	58	2-1/2	20
9	2-3/4	22	59	2-3/4	22
10	3	24	60	3	24
11	3-1/4	26	61	3-1/4	26
12	3-1/2	28	62	3-1/2	28
13	3-3/4	30	63	3-3/4	30
14	4	32	64	4	32

Sall Twine

All purpose, uniform, strong woven, cotton twine.

Unwaxed (Seaming Twine)			Wated (Roping Twine)		
No.	Weight	Unit	No.	Weight	Unit
1	225 grms	Hank	3	225 grms	Hank
2	225 grms	Ball	4	225 grms	Ball

Marine Oakum

Available spun or unspun. The primary use of marine oakum is for caulking the seams of wooden vessels and the wooden decks of all types of marine structures. Both spun and unspunoakum are waterproof and essential for all marine work.

Tarred Marline

Sturdily woven, thoroughly tarred, waterproof, polished jute.

No.	Diam.mm	Weight.kgs	No.	Diam.mm	Weight.kgs
1	3	0.3	3	4	0.3
2	3	0.5	4	4	2.5

WPA 2
Ropes and
Hawsers

Signal Halyards (Flag Line)

These halyards are braided for easy handling.

Polypropylene		Cotton	
No.	Size Cir./Diam	No.	Size Cir./Diam
1	3/4' - +/6mm	6	3/4' - +/6mm
2	1' - +/8mm	7	1' - +/8mm
3	1-1/8' - +/9mm	8	1-1/8' - +/9mm
Vinyon		Nylon	
No.	Size Cir./Diam	No.	Size Cir./Diam
11	3/4' - +/6mm	16	3/4' - +/6mm
12	1' - +/8mm	17	1' - +/8mm
13	1-1/8' - +/9mm	18	1-1/8' - +/9mm



Pilot Ladder

- 1. The ladder must be kept clean and used solely for embarking and disembarking pilots.
- 2. Rigging of the ladder, along with embarking and disembarking pilot, must be under supervision of a licensed officer.
- 3. The ladder must be made in one length and not consist of two lengths shackled or lashed together, and should be equipped with spreaders about ten feet apart to comply with SOLAS Regulation 17, Chapter 5.
- 4. The pilot boats have their own lights to illuminate the pilot ladder, but a standby light should be ready for an emergency.
- 5. The area of the deck where the pilot boards and leaves must be well lighted and the area must be clear of all obstacles to insure a safe passage for the pilot.
- 6. No tag lines, pullup ropes, or trailing lines may be attached to the lower ends of the ladder.
- 7. Ladders must be rigged well clear of discharge and water outlets and at a place near mid-ship which affords the best lee for the pilot. At no time should the ladder be rigged near the stern of the vessel.
- 8. A means must be provided to allow the pilot to pass safely onto the ship's deck. Where portable stanchions and bulwark steps are used for this, the portable stanchions must be rigidly attached to the ship's structure and not the steps. The bulwark steps must also be securely fastened.
- 9. The ladder must be in good condition. The treads must remain horizontal when used and the upper surface must have a rough non-skid quality.
- 10. Manropes approximately 3" manila in circumference, a heaving line and a ring buoy with a self-igniting light must be provided.
 - Disembarking - manrope mandatory.
 - Embarking - manrope may be required by pilot.
- 11. If your vessel is to take a load of logs, make sure the agent makes arrangements to have a catwalk to provide safe passage to and from the ladder.



CARGO BLOCKS

Lashing Snatch Blocks

Has a safe and easily operated locking device with a 150mm sheave diam. Applicable wire rope sizes are 18,20 and 22mm diameter.

1	Lashing snatch block,150mm S.W.L. 5 TONS
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INPA 23
General
Deck
Equipment

LASHINGS (STACKER)

Auto Twistlocks

Fixing containers with dovetail foundation matching used. Material: Forged shaft and low alloy casting steel housing. Stainless steel spring. Finish: Hot dip galvanized. Class approval: All items can be supplied with approval.



CARGO BLOCKS

Internal Bound Wood Blocks

Code Table for Internal Bound Wood Blocks

Becket	Accessory	Model	No.
Without Becket	With Hook	W1AH	01-05
	With Hook	W2AH	51-55
	With Link	W1AL	06-11
	With Link	W2AL	56-59
	With Link	W31AL	01-05
	With Shackle	W1AS	12-25
With Becket	With Shackle	W2AS	60-69
	With Shackle	W3AS	06-15
	With Hook	W1BH	31-35
	With Hook	W2BH	71-75
	With Shackle	W1BS	36-45
	With Shackle	W2BS	76-85
	With Shackle	W3BS	21-30



Lifeboat Embarkation Ladder

Standard Embarkation Ladder. Built to specifications, including: 3/4" manila or polysteel rope sides. Thimble eyes at top of ladder. Anti-tipple chalks, top and bottom of each step. 15" between each step. Each step lashed with #48 treated nylon twine. Anti-sway battens available (optional). Step specification: 4" x 20" x 1" wood.

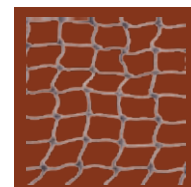


Pilot Ladder Rubber Step

Manufactured in compliance with JIS-F rules, the 1975 and 1983 SOLAS conditions and the ISO recommended dimensions.

Rope Cargo Net

Can be made to the desired specifications.



Description	No.	
	1	2
Net Size	2.5'A2.5 Mtrs	3'A3Mtr
Mesh Size	200'A200mm	200'A200mm
Rim Rope Size	24mm dia	24mm dia
Mesh Rope Size	18mm dia	18mm dia

Gangway Safety Nets Polypropylene

For safety of life and property. All mesh ropes are securely knitted in position. Can be made in desired specifications.



Description	No.	
	1	2
Net Size	5'A10 Mtrs	4'A16 Mtr
Mesh Size	150mm	150mm
Rim Rope Size	10mm dia	10mm dia
Mesh Rope Size	8mm dia	8mm dia



One Way Flexible Containers

A one way type flexible container makes the transport, delivery, and loading of blasting sand, copper bits, or other bulk materials fast and easy. It reduces the cost and extra effort for loading bulk materials because the slings are loaded and then stay on deck until the material is used. Several types are available, but the most common types are shown below.

No.	1	2
Type	Draw string with bottom release	Draw string with bottom release
Material cubic volume capacity weight capacity	Polypropylene/Polyester 1000-2000Ltr 500-1000kgs	



Cargo Sling Bags

Made of polyester, light weight, handy foldable cargo sling bag. Very useful for storage. Size: 1'A1.2'A1.2mtr Capacity: 1 ton

CANVAS**Sail Makers Leather Palms**

Designed for repair work of canvas and similar clothes in connection with sail needles. Hide mounted. Furnished for right and use unless otherwise specified.

No.	Description
1	Right hand use
2	Left hand use

CANVAS**Sail Makers Needles**

For canvas repair work . Packed in 12 pcs per paper container.

No.	No.	O'all Length
1	12	80 mm
2	14	75 mm
3	15	65 mm
4	16	60 mm

MISCELLANEOUS**Scupper Plugs Brass or Stainless Steel**

For sealing the scupper holes for spilled oil or polluted liquids. Easy to use, insert plug in the drain hole and tighten the handle until a slight resistance is felt, the rubber plug will be place. Rubber parts are made of oil resistant rubber (CR). Eight types are available according to the pipe size. Specify the applicable drain pipe diameter when ordering, referring to the plug application list.

No.	Size	Size (D)
1	45mm	65mm
2	52mm	75mm
3	65mm	85mm
4	85mm	110mm
5	90mm	115mm
6	110mm	135mm
7	135mm	160mm
8	165mm	200mm

CANVAS**White Cotton Canvas & Waterproof Cotton Canvas****CANVAS****Grommets Dies (Setting Dies)**

Made of brass and rounded into a rim to serve as a reinforcement for rope holes in canvas or tarpaulin. When ordering, please specify the number related to the hole diameter as listed in the ordering table below. Supplied one gross per box.

No.	No.	Dian.mm		No.	Dian.mm
1	25	10	232288	30	16
2	28	13	232289	32	19

CANVAS**Hatch Wedges ,Hard Wood**

Made of hard wood. Used to bottom down canvas hatch covers.

No.	Nominal Size	Size mm		
		L	W	H
1	200	200	50	50
2	250	250	60	60
3	300	300	70	70

FENDERS**Rope Netted Fenders & Boats**

Made with an interior filling of ground cork packed into strong gunny bags and netted on the outside, usually with polypropylene rope.

1	Rope Netted Ball Fender, 300 mm diam	Pc.
2	Rope Netted Ball Fender, 360 mm diam	Pc.
3	Rope Netted Ball Fender, 450 mm diam	Pc.

MISCELLANEOUS**Hatch Cover Tape**

Aluminium backing MARINE HATCH COVER TAPE with strong adhesive power to your hatches.

No.	Size	Packing	Weight (kgr)
1	75mmx20mtr	4 roll/box	16
2	100mmx20mtr	3 roll/box	16
3	150mmx20mtr	2 roll/box	16

CANVAS**Round Mallets**

Made of a hardwood head and handle. Metal bands on both faces will be attached upon request.

No.	Size mm	No.	Size mm
1	80'A120	3	100'A15
2	90'A165		

CANVAS**Grommets**

Grommets allow you to pierce the material and seat the grommet all in one down stroke of the grommet machine handle, which eliminates the pre-punching of holes for the grommets. Self piercing grommets come in a variety of sizes and depths. Please choose the corresponding brand and die size to your grommet size. Grommets are self-piercing and are very sturdy. Grommets can be used for a variety of purposes including tents, tarps, belts, or curtains.

No.	No.	Dian.mm	No.	No.	Dian.mm
1	25	10	3	30	16
2	28	13	4	32	19

FENDERS**INFLATABLE BOAT FOR INSPECTION TANKS**

Made with an interior filling of ground cork packed into strong gunny bags and netted on the outside, usually with polypropylene rope.

Model	P180S
Reference	55727
Colour	Grey
Max Number of Persons	2
Maximum Load	150 kg
Overall Dimensions	183x123x34 cm
Stowed Dimensions	84x53x27 cm
Weight*	13 kg
Motor Size	-
Floor	15 cm wide slats
Tube Diameter	32,33 cm
Number of Air Chambers	2
Seat	Grey wooden seat + seat-patch : supplied as standard
D-Towing Rings	1
Equipment Included	Carrying strap, repair kit, bellows pump, 2 paddles

- Precautions:
1. Surface to be sealed should be clean and dry without any rust, oil, grease, loose, paint, water, dust, dirt, salt or old tape.
 2. We recommend 4" wide tape for any opening less than 1" width. Our 6" tape should be used under any other condition.
 3. The tape should be stored at room temperature (i.e. 18-26 degrees Celsius).
 4. The removal of an already applied tape is better achieved using a scraper.
 5. Surface corrosion, scales, loose rust, must be removed, cleaned and painted with a coat of primer prior to new tape application.
 6. Recheck the tape periodically and apply additional strip if any unusual abrasions or wear occurs.
 7. In extreme cold weather we recommend to warm up the tape with a propane torch.
- We can now supply Hatch cover seals made to order with your requirements and specifications. Different thickness, length and packing, also OEM production.



Scape off the rust. Brush away any foreign material and wipe dry surface to be covered by tape.

Peel off the backing peelable paper or siliconized PVC.



Apply by hand & centralize the tape over the joint surface.

Press tape by foot in order to stick well in both joint sides.



MISCELLANEOUS
Dry Walnut Shell

Dry Walnut Shell, Item 232973-78, made of walnut shell and crushed into grit. Suitable to use for cleaning up the dirt sticks from nozzles and blades of turbocharger. There are several types of grain size and packed in 20 kgs paper bag.



MISCELLANEOUS
Galvanized Oil Funnel

Made from a heavy galvanized tin plate with a brass strainer.

No.	Diam.mm
1	100
2	125
3	150
4	200



OIL SPILL EQUIPMENT
Absorbent Pads 100pcs

For marine or land based spills. Oil Sorbent Pads are recommended for use on minor on water spills and for in plant use. Excellent for pipelines, shipyards, ship and yachts decks, factories, industrial plants, loading docks, machine and maintenance shops, fire departments, municipal spill response or anywhere liquid, chemical or oil spills occur. These oil absorbents are always easily placed and retrieved.



OIL SPILL EQUIPMENT
Absorbent Rolls

Primarily for in-plant use or wherever oil or spills can be tracked by employees. Generally used for selectively absorbing oil petroleum-based fluids off land or water. Sorbent Rolls can be swiftly deployed over large areas of land or water and trimmed to fit specific spaces. Rolls can be easily cut for custom “pads” in and around machinery. Keeps work area clean.



OIL SPILL EQUIPMENT
Absorbent Pillows 10pcs

For spills or leaks requiring more absorption than pads. Quicker absorption than socks due to higher surface area. Especially good for water catch basins, sumps, or in combination with booms. Absorb large quantities of oil liquids in confined areas such as drains, sumps, ditches, outfalls, wells and leaking machinery. Stops leaks. Convenient indoor / outdoor use. Can be used to clean up spilled liquid surrounded by booms.



OIL SPILL EQUIPMENT
Absorbent Booms 4pcs

Poseidon's booms are a cost effective way of recovering small and medium sized oil / chemicals spills from streams, lagoons, settlement ponds, harbors, rivers, or for shoreline protection. They are easily deployed and towed, and different sizes are available for a variety of marine and industrial applications. Sorbent Booms include clips to form a barrier of any length. Connectors at each end allow the linking together of several booms to provide a continuous chain of protection, permitting containment and absorption of a spill. This oil absorbent boom may be left deployed almost indefinitely and does not allow the oil to pass outside the boomed area. Sorbent Booms can be used between two small boats with a U or J form and the petroleum waste on the sea surface can be easily collected and absorbed.



OIL SPILL EQUIPMENT
Absorbend Socks

Primarily for industrial, on land use in plants, terminals, airports or marine use in rivers, beach etc. Tube shaped sorbent format, ideal for forming a barrier around spilled liquid to prevent it from spreading. Soft and flexible, easily placed around dripping machinery or on corners to absorb and contain liquid. Socks are designed especially for around machinery, or wherever leaks occurred.



OIL SPILL EQUIPMENT

A properly stocked, maintained and deployed Spill Kit can protect our natural resources and spill kits with different absorption capacities, suitable for a wide range of industrial and marine applications. Oil Spill Kits designed for portable emergency and non-emergency oil/chemical spill response.



OIL SPILL EQUIPMENT

According to the IMO resolution and the Oil Pollution Act (OPA) of 1990 these are specially designed spill kits for ocean going vessels, for recovery of up to 20000 litres of oil or floating chemicals on a single use. The oil spill kit comprises of well-proven equipment and has been formulated with the assistance of major ship owner / operators. The contents cover all the areas required such as oil absorbents, hand tools, containers, pumps, etc.

OIL SPILL EQUIPMENT
Oil Fence Boom



Oil Fence Boom is a solid buoyancy, fence-type boom consists of a flexible skirt, flat flotation for spill containment and recovery operation in relatively protected waters and calm waters. Boom can be deployed from barges, boats, docks, trailers or a person wading and has universal aluminum lightweight tool free connectors which interconnect with other ASTM connectors. Oil Fence Boom is one of the most economically priced booms available while still providing excellent performance and durability. Oil Fence Boom offers the smallest storage volume of solid float boom types, and can be stored on pallets, in containers, or on boom reels. Systems incorporating storage / deployment boxes, towing bridles, anchor systems and repair kits.

Technical Data of:	1200	1100	1000	750
Overall height	1200mm	1100mm	1000mm	750mm
Freeboard	400mm	350mm	300mm	250mm
Draft	800mm	750mm	700mm	500mm
Section length	25mt	25mt	25mt	25mt



AIRLESS PUMP

HP30:1

Best price & quality. **APPLICATIONS:** Construction, metal structure, ship maintenance, lacquer & vanish, protective coating, furniture. Polyurethane coating, Normal coating.

Pressure Ratio	30:1
Max. Delivery	4ℓ/min
Operating Air Pressure	3 ~ 6.5 bar
Max. Discharge Pressure	195 BAR (2800 PSI)



AIRLESS SPRAY GUN

HH GUN

- Item No : AIRLESS SPRAY GUN
- P/N : 071-000
- Max. Working pressure : 500 bar
- Material : S45C



AIRLESS PUMP

HQ50:1

Idea pump for rough painting job. Low noise level. More anti-freezing. Special pump inner structure prevents air motor form freezing. **APPLICATIONS:** Roofing, construction, metal structure, high viscosity coating, protective coating. Typical Fluid handled. Epoxy primers, Alkyd, Inorganic zinc, Tar-Epoxy, Paints for corrosion control.

Pressure Ratio	50:1
Max. Delivery	16.3ℓ/min
Operating Air Pressure	3 ~ 6.5 bar
Max. Discharge Pressure	325 BAR (4800 PSI)
Noise Level	75 ~ 80 db
Air Motor Stroke	120 mm

AIRLESS SPRAY GUN

AL Pole Gun

Gun Body: Aluminum Max pressure: 350 bar

SCM Pole Gun

Gun Body: SCM Max pressure: 510 bar

	Model	Length	Max Pressure	Weight
73000	730-001	3' (0.9m)	350 bar	680grm
	730-002	6' (1.8m)	350 bar	930grm
	730-003	8' (2.4m)	350 bar	1400grm
74000	730-001	3' (0.9m)	510 bar	680grm
	730-002	6' (1.8m)	510 bar	930grm
	730-003	8' (2.4m)	510 bar	1400grm



HAMMAR HYDROSTATIC RELEASE

HAMMAR

Hammar Hydrostatic Release

The Hammar H20 hydrostatic release units are approved all over the world, fulfill the requirements of the SOLAS 74/96 Convention, Reg. III/4 LSA Code, MO Res. MSC. 48/(66), IMO Res. MSC. 81(70), approved to EU Directive 96/98 EC on Marine Equipment and has a NATO stock number. Release depth 1,5 – 4,0 metres according to IMO/SOLAS regulations. The required certificates can be downloaded under Approvals in our web site.



HAMMAR HYDROSTATIC RELEASE

T-ISS
Saving You ...

Retro-reflective Tapes

T-ISS retro reflective tape is intended for reflectorizing SOLAS life suport equipment such as life vests, jackets, and rafts. It conforms to, IMO Res. A.658(16) and meets U.S. Coast Guard specification 46 CFR Part 164, Subpart 164.018/5/0. It is approved by numerous national authorities around the globe. It is approved with the Wheelmark approval by Bureau Veritas.



Food Ration

- 10,000 kj. 2400 kcal per package. - High energy value / Ready to eat. - Non thirst provoking. - Small and lightweight. - All natural ingredients. No preservatives. - Superior coconut flavor. - Individual packs: 500g. - 30 packs per case. - Tabletized and subpackaged for ease of rationing. - USCG, Canadian CoastGuard, EC and NZ approvals. - 5 year shelf life.



Water Ration

- 125 ml (4.227 oz.) sachet. - Sachet weight 132 g. - 8 liters per case (64 sachets). - Purified water for immediate use. - Superior packaging materials for optimum durability. - Easy to dispense from a premeasured sachet. - Lightweight and extremely compact. - Loss potential minimized due to individual sachets. - USCG, Canadian Coast Guard, EC and NZ approval. - 5 years shelf life.



MPA 33
safety
Equipment



DANIAMANT

Daniamant L40

Together with its EU ATEX and IECEx approvals, this makes it the only choice for hazardous installations such as offshore oil rigs, gas and oil tankers. Approved by SOLAS.



DANIAMANT

Daniamant Lights

The light is a single compact flashing unit. The light activates automatically when in water and stays activated even if the light is positioned on the jacket above the water. Approved by SOLAS, USCG.



DANIAMANT

Lifebuoy Light L90

It uses five alkaline batteries, offering a life of one year. Robust and reliable, the L90 is automatically activated after release.





PYROTECHNICS Smoke Signal Orange

Compact, flat-top, day-time orange smoke distress signal. Provides effective position marking or indication of wind direction during rescue operations.



PYROTECHNICS Linethrower 250

Self-contained line throwing appliance. See: Single shot, self-contained linethrower with integral striker mechanism. Rocket propels line 250m in calm conditions. SOLAS typically requires 4 units to be carried on board. Stowed in lockers on Bridge or strategically dispersed around ship.



PYROTECHNICS Red Parachute Rocket

Long range, day and night distress signalling rocket. Designed to withstand exceptional environmental exposure and to perform reliably even after immersion in water. Features improved grip for easy handling and conforms to SOLAS 74/88 as amended.



PYROTECHNICS Light And Smoke Signal

SOLAS requires one of these markers to be mounted on each Bridgewing attached to a 4kg lifebuoy. Produces dense orange smoke for 15 minutes and 2 lights burn at 2 candela for 2 hours minimum. Signals location of a man overboard by day or night.



PYROTECHNICS Red Hand Flark

Unique, compact, telescopic handle allows easy extension for safe operation and saves space when stowed in liferafts. 6 handflares are required to be fitted in SOLAS liferafts and lifeboats.



Emergency Escape Breathing Device

Emergency self contained breathing apparatus. DIABLO compressed air self-contained breathing apparatus is an innovative open-circuit device belonging to the new generation of SEKUR respiratory protective equipment. DIABLO is now available also in a new model designed for emergency situations when fast evacuation is required. DIABLO breathing apparatus range comply with UNI-EN 137 Norm and some models, specially designed for Merchant Navy applications, are RINA/SOLAS approved according to the 96/98/CE Maritime Equipment Directive. CE CERTIFIED ACCORDING TO 89/686CE PPE Directive and 2002/75/CE MED Directive. Models available: 10 minutes duration and 15 minutes duration.



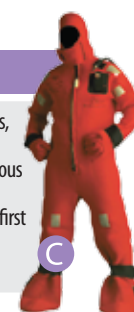
Self Contained Breathing Apparatus

DIABLO compressed air self-contained breathing apparatus is an innovative range of open-circuit device belonging to the new generation of SEKUR respiratory protective equipment. DIABLO is now available in a new version for industrial applications, complying with UNI-EN 137 Norm, some models of which, specially developed for merchant navy applications, are approved by RINA, according to the 96/98/CE Maritime Equipment Directive (in the configuration with and without quick couplings on the demand valve medium pressure hose, with Face Mask C607 SP/A and with RINA certified cylinders).



PROTECTIVE SUITS Flame Guard Suit

- A. FIREMAN SUITS:** Ships wheel and SOLAS approved fireman's outfit comprising helmet, jacket, trousers, fireman's gloves, non conductive gloves and fireman's boots.
- B. CHEMICAL PROTECTION SUITS:** One-piece chemical protection suits providing protection against solid, liquid and gaseous chemicals. Chemical protection suits complete with hood, gloves and boots.
- C. IMMERSION SUIT:** These superior-quality immersion suits have been in production since 1959—and in fact are the very first immersion suits to ever be seen on the maritime market. Each suit is meticulously crafted and pressure-tested upon completion. Simply put "The World's Best Selling Immersion Suit".



SMOKE DETECTOR TESTER Solo 330 Aerosol Smoke Dispenser

Fundamental to functional smoke checking for many professionals around the world the Solo 330 contains the test aerosol and ensures that it is applied correctly and contained only where required.



SMOKE DETECTOR TESTER Solo 461 Cordless Heat Detector Tester (battery powered)

Using the unique IR activation and Cross Air Technology, the Solo 460 heat generation process takes place only when the detector under test is within the cup with hot air blown horizontally in a focussed beam directly toward the sensor for optimum energy use and results. Interchangeable NiMH battery batons and a fast battery recharger enable testing all day with a cable free professional device.



GAS DETECTOR ToxiRAE II

The ToxiRAE II is a Single Gas, personal protection monitor that continuously displays toxic gas concentrations. It costs just a little more than disposable detectors. Unlike typical disposables that only display "remaining life", the ToxiRAE II is a full-featured gas monitor providing continuous, digital display of the gas concentration, STEL, TWA, and Peak values as well as high, low, TWA, and STEL alarms. **Sensors available:** H2S, CO, O2, NH3, Cl2, ClO2, HCN, NO, NO2, PH3, SO2.



GAS DETECTOR QRAE II

The QRAE II is a full-featured, compact, one- to four-sensor gas detector for detection of combustibles, oxygen, hydrogen sulfide and carbon monoxide. Key features include easy-to-change, externally accessed battery packs (available in rechargeable and alkaline versions), sensors and filter, a water-resistant case and a new state-of-the-art O2 sensor technology with extended life.



Alcohol Detector

The AlcoMate Prestige (Model AL6000) offers the latest in cutting-edge breath alcohol sensing technology as well as powerful and convenient features not available with any other product. The Prestige is used by law enforcement, clinicians, professionals and pro-sumers looking for integration with a rigorous, high-volume alcohol monitoring program. Pre-Calibrated Modules eliminate the need for re-calibration. DOT/NHTSA Approved FDA 510(k) Certified US Coast Guard Approved



Life Jackets

First lifejacket to be approved by both US Coast Guard and SOLAS. Approval: US Coast Guard. SOLAS IMO LSA Code (Res. MSC 48(66), Section 2.2. and IMO Res.A.689 as amended through Res.MSC.207(81), and Res. 689(17) as amended through Res. MSC.200(80). **Buoyancy:** Adult 190N - Child 105N **Colour:** Orange **Crew:** fluorescent yellow **Standard equipment:** Buddy line, lifting loop, whistle, reflective tape, adjustable belt with stainless steel buckle.



Flash Light

SAFETY APPROVALS

UL: Class I, Division 2, Groups A,B,C & D
Class II, Division 2, Groups F & G
Operating Temp T1
CSA: Class I, Division 2, Groups A, B, C & D
Operating Temp T1



Life Raft

The life raft are available in both throw over as well as davit launched (DL) and are MED compliant. We offer an extensive range of life rafts to suit all purposes as well as a range of Marine Evacuation Systems (MES) with slide and chute solutions.



Polimask Gamma

Polimask Gamma in EPDM (art. code 4336.2112) or in silicon rubber (art. code 4336.2113) for use with filters of the 230 series.



Polimask 230

One size half mask complying with EN 140 and therefore with the local European countries' standards. Suitable for use with a single synthetic resin filter of the 230 series which includes:

- class P2 and P3 Biostop particulate filters,
- class 1 and 2 gas filters,
- combined filters in the above mentioned classes.



Polimask 330

Half masks made in one size only fitting all faces, complying with EN 140 and therefore with the local European countries' standards. Equipped with screw in connector EN 148/1 for use with dust, gas, vapour, and combined filters and with breathable air supply systems.



Polimask Beta

Polimask Beta in EPDM (art. code 4336.2109) or in silicon rubber (art. code 4336.2111) equipped with two filters of the 200 series.



Fire Hoses

Rubber lined tetorn

No.	Nominal Size	Leng. Per Coill	Working Pressure
1-12	40/50/60mm	15/20/25/30mm	9kgf/cm ²



Fire Hose Synthetic

Versatile box to store fire hoses of up to 20m in length with nozzles and spanner. The box and cover are made of Fibre Reinforced Plastic for weather and sea water resistance. Size: L565'A W565'AT170mm



Fire Hose Synthetic

High durable fire hose with synthetic rubber reinforcement on inner and outer surface of the hose. It has excellent resistance to weather, abrasion, oil, chemical and especially to ozone attack..Easy to clean hose surface, and easy to handle because of difficulty to kink. Nominal working pressure is 16kgf/cm². Supplied standard length in 30m.

No.	Nominal Size	Weight gm/m	Leng. Per Coill
1	40	335	20m
2	50	430	
3	60	570	

SPANNERS, NOZZLES & COUPLINGS

Spanners for Hydran

Designed for tightening or loosening of fire hose coupling.

No.	Type of Hydrant	Nom. Coupling Size	Overall Leng. mm
1	Nakjima	40A	270
2		50A	295
3		65A	330

SPANNERS, NOZZLES & COUPLINGS

Fire Hose Nozzle

Wide variety of nozzle connecting types with hose couplings are available according to several standards.



Machino Coupling

1	40mm	Pcs
2	50mm	Pcs
3	65mm	Pcs



Nakajima Coupling

1	40mm	Pcs
2	50mm	Pcs
3	65mm	Pcs



Ansi Pin Coupling

1	40mm	Pcs
2	65mm	Pcs



SPANNERS, NOZZLES & COUPLINGS

Fog Nozzles 3-Position for Fire Hose Nozzle

3-position nozzles produces shut-off / spray / jet flow spray modes. Nozzle comes with couplings suitable to connect with the hose couplings of the ship. Made of brass.

Nakajima Coupling		Ansi Pin		Machino	
1	1-1/2"	4	1-1/2"	4	1-1/2"
2	2"	5	2"	5	2"
3	2-1/2"	6	2-1/2"	6	2-1/2"



SPANNERS, NOZZLES & COUPLINGS

International Shore Connections

Fitted with coupling to match hose coupling on ship.

1	International shore connection fitted with couplings to match hose coupling on ship
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SPANNERS, NOZZLES & COUPLINGS

Hose Couplings

A wide variety of types are available as per the illustration below. They are all made of bronze and used for shipboard fire fighting.

No.	Size	Type	Standard	Connection
1	40A (1-1/2)	Nakajima	JIS F-7335	Interlocking
2	50A (2)			
3	65 (2-1/2)			
4	25A (1)	Macnino	JIS B-9911	Inserting
5	40A (1-1/2)			
6	50A (2)			
7	65 (2-1/2)			
8	75A (3)			
9	40A (1-1/2)	Johon Morris	B.S.336	Interlocking
10	50A (2)			
11	65A (2-1/2)			
12	40A (1-1/2)	Nor	Norwegian	Interlocking
13	50A (2)			
14	65A (2-1/2)			
15	1-1/2 --	USA	NH (NST)	Screw Connecting
16	2-1/2 --			
17	40A (1-1/2)	French	NF-S61-704	Interlocking
18	65A (2-1/2)		NF-S61-705	
19	52C (2)	Storz	DIN 14302 DIN 14303	Interlocking

FIREMAN ACCESSORIES

Fire Blankets



Flameproof blanket can envelop a worker from head to foot to extinguish burning clothes. Should be located in any fire-hazard area to provide instant protection when clothing catches fire.

No.	Material	Size	Case
1	Fibreglass with silicone rubber coating	1.8*1.2mtr	PVC

FIREMAN ACCESSORIES

Safety Belts & Hooks



General use safety belt with lifeline & hook

1	General use safety belt with lifeline & hook Lifeline & hook 10mm 'A' 1500mm	Pc.
2	General use safety belt with lifeline & hook Lifeline & hook 10mm 'A' 1500mm	Pc.

FIREMAN ACCESSORIES

Fireproof Lifelines



Combination rope of wire and nylon or hemp rope, complete with safety snap hook. Available in 30, 40, 50m length.

No.	Diam.	Line Length	Construction	Hook
1	8mm	30	Wire & Nylon	Safety Snap Hook
2		40		
3		50		
4	12mm	40	Wire & Hemp	

FIREMAN ACCESSORIES

Fire Axes



Required with fire fighting gear by SOLAS regulation Chapter III Number 17. 'The axe have a pick head with a wood or insulated handle.'

1	Fire axe pickhead with wood handles	Pc.
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FIRE EXTINGUISHERS

Classic GD 6 N



Classic-Line fire extinguishers: Tough, user friendly, high quality and strong performance! The Classic-Line contains extinguishers for all risks and use-areas. For your safety. Portable fire extinguisher with gauge (stored pressure technology) filled with 12 kg ABC extinguishing powder TOTALIT G CEN. Combined carrying and handle release lever. Including wall mounting bracket and english operating label. As marine equipment approved by German Sea Trade Cooperative Association (in accordance to the directive 96/98/EC) -wheelmark-.

Specifications:
Rating: 34 A / 233 B / C Approval: according DIN EN 3 Temperature range: -20°C to +60° C

FIRE EXTINGUISHERS

Classic GX 6



Classic-Line fire extinguishers: Tough, user friendly, high quality and strong performance! The Classic-Line contains extinguishers for all risks and use-areas. For your safety. Portable fire extinguisher (cartridge operated technology) filled with 6 kg ABC extinguishing powder TOTALIT G CEN. Internal cartridge. With combined carrying and impact knob. Including wall mounting bracket and english operating label. As marine equipment approved by German Sea Trade Cooperative Association (in accordance to the directive 96/98/EC) -wheelmark-.

Specifications:
Rating: 34 A / 233 B / C Approval: according DIN EN 3 Temperature range: -20°C to +60° C

FIRE EXTINGUISHERS

Classic K 2a



Classic-Line fire extinguishers: Tough, user friendly, high quality and strong performance! The Classic-Line contains extinguishers for all risks and use-areas. For your safety. Portable fire extinguisher (stored pressure technology) filled with 2 kg carbon dioxide. Combined carrying handle and operation lever. Including wall mounting bracket and english operating label.

Specifications:
Cylinder material: aluminium Rating: 34 B Approval: according DIN EN 3 Temperature range: -20°C to +60° C

FIRE EXTINGUISHERS

Classic P 50 / 5



Classic-Line fire extinguishers: Tough, user friendly, high quality and strong performance! The Classic-Line contains extinguishers for all risks and use-areas. For your safety. Wheeled fire extinguisher (cartridge operated technology) filled with 50 kg TOTALIT 2000. External cartridge. Including transport handle. 5 m hose with trigger nozzle. Including safety valve at the top of cylinder. Including english operating label. The powder TOTALIT 2000 is in the best way foam compatible. -This unit is also available for stationary use. For an individual solution please contact us directly-.

Specifications:
Fire class: B+C Propellant: nitrogen, 150 bar Temperature range: -20°C to +50° C Weight: 10.5 kg

FIRE EXTINGUISHERS

Classic GD 2 N



Classic-Line fire extinguishers: Tough, user friendly, high quality and strong performance! The Classic-Line contains extinguishers for all risks and use-areas. For your safety. Portable fire extinguisher with gauge (stored pressure technology) filled with 6 kg ABC extinguishing powder TOTALIT G CEN. Combined carrying and handle release lever. Including wall mounting bracket and english operating label. As marine equipment approved by German Sea Trade Cooperative Association (in accordance to the directive 96/98/EC) -wheelmark-.

Specifications:
Rating: 27 A / 183 B / C Approval: according DIN EN 3
Temperature range: -20°C to +60°C

FIRE EXTINGUISHERS

Classic GD 12 N



Classic-Line fire extinguishers: Tough, user friendly, high quality and strong performance! The Classic-Line contains extinguishers for all risks and use-areas. For your safety. Portable fire extinguisher with gauge (stored pressure technology) filled with 12 kg ABC extinguishing powder TOTALIT G CEN. Combined carrying and handle release lever. Including wall mounting bracket and english operating label. As marine equipment approved by German Sea Trade Cooperative Association (in accordance to the directive 96/98/EC) -wheelmark-.

FIRE EXTINGUISHERS

Classic FX 12 Export



Classic-Line fire extinguishers: Tough, user friendly, high quality and strong performance! The Classic-Line contains extinguishers for all risks and use-areas. For your safety. Portable fire extinguisher with gauge (stored pressure technology) filled with 12 kg ABC extinguishing powder TOTALIT G 70. Combined carrying and handle release lever. Including wall mounting bracket and english operating label. As marine equipment approved by German Sea Trade Cooperative Association (in accordance to the directive 96/98/EC) -wheelmark-.

Specifications:
Rating: 5 A / 233 B / C Approval: according DIN EN 3
Temperature range: -20°C to +60°C

FIRE EXTINGUISHERS

Classic FX 6 Export



Classic-Line fire extinguishers: Tough, user friendly, high quality and strong performance! The Classic-Line contains extinguishers for all risks and use-areas. For your safety. Portable fire extinguisher with gauge (stored pressure technology) filled with 6 kg ABC extinguishing powder TOTALIT G 70. Combined carrying and handle release lever. Including wall mounting bracket and english operating label. As marine equipment approved by German Sea Trade Cooperative Association (in accordance to the directive 96/98/EC) -wheelmark-.

Specifications:
Rating: 34 A / 233 B / C Approval: according DIN EN 3
Temperature range: -20°C to +60°C

FIRE EXTINGUISHERS

Classic GD 2 N



Classic-Line fire extinguishers: Tough, user friendly, high quality and strong performance! The Classic-Line contains extinguishers for all risks and use-areas. For your safety. Portable fire extinguisher with gauge (stored pressure technology) filled with 6 kg ABC extinguishing powder TOTALIT G CEN. Combined carrying and handle release lever. Including wall mounting bracket and english operating label. As marine equipment approved by German Sea Trade Cooperative Association (in accordance to the directive 96/98/EC) -wheelmark-.

Specifications:
Rating: 27 A / 183 B / C Approval: according DIN EN 3
Temperature range: -30°C to +60°C

BINOCULARS

Marine Binoculars 7x50



Central focus binoculars. - Central eye focus for optimum viewing. - Highly-resistant metallic body. - Impact-resistant armouring and non-slip grip. - Fold-down eye cups. All binoculars are supplied with carrying case, neck strap and cleaning cloth.

Field of View	Tightness	Focus	Prism	Coating	Height	Case	Weight
122m	Water repellent	Central + eye focus	BAK-7	Multi	170mm	Flexible	850gr

BINOCULARS

Waterproof 7x50 Marine Binoculars Plastimo France



- Waterproof and fog-proof. - Superior quality optics (BAK 4) and green lens. - Ergonomic design and non-slip grip. - Central eye focus. - Fold down eye cups.

Field of view	Tightness	Focus	Prism	Coating	Height	Case	Weight
116m	Waterproof	Central	BAK-4	Multi Green	200mm	Flexible	989gr

BINOCULARS

Bushnell Night Vision Monoculars



Waterproof 2x24mm night. This optics turns night into day with built-in infrared illuminators and advanced light-gathering technology. The entire line-up is perfect for camping, caving, wildlife observation, surveillance - any time or place you think you're ready.

Battery Type: 2 x AA **Dimensions (mm):** 176 x 107 x 51
Field of View in metres: 47m at 1000m **Infrared Illuminator:** built in **Magnification:** 2x **Objective Lens diameter in mm:** 36mm **Viewing Range in metres:** 1.5 to 152m **Weight in grams:** 539g

Traditional Barograph



Top quality and high precision barograph, in a stylish mahogany and glass case. Operates on a 4 Cupro beryllium capsule movement, with no spring. This model is perfectly suitable for both yacht or home. Every barograph is fully tested and calibrated. Supplied with LR6 battery, felt tip stylus and 100 weekly sheets. Dimensions: Length 20cm, Width 12cm, Height 14cm. Accuracy: ± 0.5 hPa.

Nautical Sextants



No.	Star Telescope
1	4'A40mm



INPA 3F
Navigation
Equipment

HANDHELD ANEMOMETERS

Windy Handheld Anemometer



3 cups mounted on rotor, allow the reading of wind speed in all directions. Cups integrated to the case for better shock resistance. Waterproof and insubmersible. Automatic backlighting in low light conditions. Automatic OFF switch 60 seconds after cups have stopped rotating (allows battery saving). Compact and ergonomic design. **Features:** Wind speed: Scale: 1 to 40 m/s. Units: digital knots, m/s, km/h, mph. Graphic Beaufort force. Maximum wind speed. Average speed on 5, 10, 20 or 40 selected seconds. Accuracy: 4%. Resolution: 0.1 (up to 9.9), 1 (over 10). Air temperature and Windchill: Scale: -20 to +60 °C. Units: °C or °F. Accuracy: 1 °C (2 °F). Resolution: 1 °C (2 °F).

Azimuth Circles



No.	ID	OD
1	246	260

HEELMETERS & WEATHERMAN

Heelmeters

Designed to be mounted inside or outside.



Graduation	Mounting	Dimensions	Size
45" heelmeter	5" graduation, up to 45"	Adhesive backing	80x40 mm





HEELMETERS & WEATHERMAN

Heelmeters

Designed to be mounted inside or outside.

Graduation	Mounting	Dimensions
80"heelmeter with horizon line	5" graduation, up to 80"	3 screws



HEELMETERS & WEATHERMAN

Weatherman

Quartz clock, barometer, hygrometer and thermometer: the Weatherman gives all necessary information on weather conditions. Set on an attractive teak base in a porthole style frame, the Weatherman will enhance any cabin or club house.
Diameter: 20 cm **Diameter of teak base:** 35 cm



HEELMETERS & WEATHERMAN

Heelmeters

Designed to be mounted inside or outside.

Graduation	Mounting	Dimensions
6" & 45" double reading heelmeter	1" graduation, up to 6" or 5" graduation, up to 45"	4 screws

RULES

Triangular Protractor

Plot course and distance, celestial LOPs or true bearings. Graduated in cm along its hypotenuse, in degrees on the two other sides.



Parallel Rules



CLOCKS & BAROMETERS

Barometer

High sensitivity aneroid barometers, with an entirely metallic chain.



CLOCKS & BAROMETERS

Quartz Mechanism



FLAGS & ACCESSORIES

International Code of Signals

1	Flag, signal full set, 40'-s A to Z, 0-9, 3 substitutes & 1 answering	Set
2	Flag, signal alphabetical, A to Z 26'-s	Set
3	Flag, signal numeral, 0 to 9 10'-s	Set
4	Flag, signal substitute, 1 to 3 3'-s	Set

FLAGS & ACCESSORIES

Flag Hooks

Made of case brass or brass plated zinc die case.

1	Flag hook, complete upper/lower
2	Flag hook, upper side
3	Flag hook, lower side



Signal Bells

Made of cast brass with a highly polished finish. The size is determined by measuring the bell mouth opening. The required size is over 300mm diameter for the vessels of length greater than 20m.

1. Bell, signal, cast brass 200mm	2. Bell, signal, cast brass 300mm	3. Bell, signal, cast brass 400mm
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DIVIDERS

Traditional British Dividers

Manufactured in brass with stainless steel points, highly polished. Friction adjustment. Packed in protective PVC wallet.

Model	Length
Straight	17cm
Single handed	15cm
Single handed	17cm
Single handed	20cm



FLAGS & ACCESSORIES

Merchant Flags

No.	01-80	101-49 / 01-80	01-80
Size	3'x4'	4'x6'	6'x8'
Size	#4	#3	#4
Inch	96/A144	128/A192	160/A240



FLAGS & ACCESSORIES

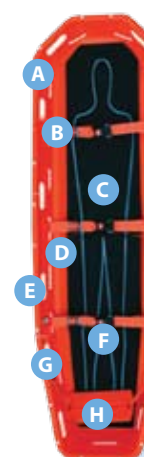
Flag Blocks

1	Flag block, brass, 32mm
2	Flag block, brass, 38mm
3	Flag block, brass, 50mm



Stretcher - Neil Robertson Type

The Neil Robertson stretcher wraps around the casualty, providing protection without bulk. An excellent stretcher for use in confined spaces or where egress is difficult.
DIMENSIONS: L 200cm x W 100cm (W folded 31cm) x H 4cm
WEIGHT: 8kg



Basket Stretcher

Particularly useful in situations where patient access is restricted or difficult. The shell is made from a high density, cross linked polyethylene to avoid splintering or cracking. A tubular aluminium frame is permanently attached to the shell to ensure maximum strength and rigidity of the stretcher. Includes three quick-release restraints to secure the casualty.
Measures: 217 x 62 x 18.5cm (height). **Load capacity:** 278kg. **Weight:** 13.5kg.

A. Grommets in, stainless steel for docking belt, for lifting or towing. B. Top of 10mm in polyester for attaching safety belts or footrest. C. Mattress in expansive, closed cell polypropylene, water proof, easily sanitized, removable and replaceable. D. Body in high density, stockproof polyethylene. E. Runners in base to improve sliding on uneven surfaces. F. Designed to accommodate most standard full length backboards. G. Twelve ample lateral handles to improve grip during recovery operations and transport. H. Adjustable footrest in polyethylene with ample surface.



Personnel Transfer Net

Specifications • 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 (optional: add "DC" to model number). • 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. **Features** • Provides safe, sure transfer of personnel. • Used offshore by major oil producers. • Recognized as safe transfer device. • Collapsible design for easy storage. • American Bureau of Shipping (ABS) - Certified on request. • Tested and approved by safety engineers worldwide. • Premium quality materials. • Proven stabilizing system.

• All materials certified and approved by oil industry. • Accept no substitutes - there is a difference. **Training Videos Available** • "Safe Offshore Personnel Basket Transfer Procedures and Equipment Criteria". • "Safe Swing Rope and Personnel Basket Transfers for Offshore Oil Personnel".

X-870: Standard 4 man net, overall vertical length 29 ft. **X-871:** Rough seas 4 man net, same as X-870 but designed to operate in rougher seas. Stabilizer load line extended. **X-871-A:** Air cushion 4 man net made for rough seas but minimizes shock by allowing riders to stand on a cushion of air (pneumatic hose). Also the bottom is fitted with shock dampening pneumatic hose.
X-871-6: Net made for 6 riders.





Master Key System Padlocks & Key

Below is an example of a building where each door is individually keyed with one master key to control each floor and a grand master key to open every door. One master-key accesses all the locks in a system, while other keys open only specified locks. Provides you with the option of a single-key access to your property: home, business and vehicles. Locks are available keyed-different, masterkeyed or keyed-alike, so you decide who has access to each entrance. Keyed-alike locks use identical keys, enabling a single key to open all locks in a system. Keyed-alike systems can be integrated into master key systems.



Flag Hinges for Cabin Door

Made of stainless steel. Please specify whether for right or left hand of use. L 127/AW 100mm. Screw: 5mm x 10.

1	Flag hinge for cabin door, SUS 127/A100mm, right hand	Pr
2	Flag hinge for cabin door, SUS 127/A100mm, left hand	Pr



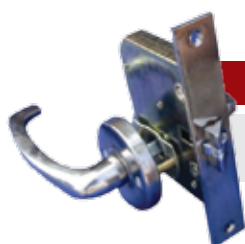
Silent Door Hooks for Cabin Doors

No.	Size
1	100mm
2	200mm
3	300mm
4	400mm



Cylinder Mortise Locks

For Private Room, Passage, Store Room and Toilet Doors made of brass and chrome plate finished.



Mortise Latches with Lever Handle Model ok-2110

For Passage Doors. Made of brass and chrome plate finished. Please specify where a left or right hand lock is required.



Flag Paint Brushes

General flat bristle brushes for use with all oil base paints, stains, varnish and other non-water base coatings. The bristles are bound by a metal band to a varnished, wooden handle.

No.	Width mm		Width mm
1	25	510106	90
2	40	510107	100
3	50	510108	110
4	65	510109	130



Angle Radiator Brushes

Black bristle hair bound by a metal band. Provided with a long handle to reach difficult spots.

No.	Width mm		Width mm
1	25	4	65
2	40	5	80
3	50		



Aluminium Extension

No.	Length	Description
1	2m	Alumi Extension
2	3m	Alumi Extension
3	4m	Alumi Extension
4	5m	Alumi Extension
5	6m	Alumi Extension



Condenser Tube Brushes

An effective tool for cleaning condenser tubes. Made of steel or brass wire, or stiff nylon strings.

No.	Size 'A' Thread mm	No.	Size 'A' Thread mm
STEEL			
1	10'A 1/4 Male	10	19 x 5/16 Female
2	13'A 1/4 Male	11	22 x 1/2 Male
3	13 x 1/4 Female	12	25 x 1/2 Male
4	13 x 5/16 Female	13	38 x 1/2 Male
5	16 x 1/4 Male	14	50 x 1/2 Male
6	16 x 1/4 Female	15	63 x 1/2 Male
7	16 x 5/16 Female	16	76 x 1/2 Male
8	19 x 1/4 Male	17	100 x 1/2 Male
9	19 x 1/4 Female		



Paint Rollers

Special wool or nylon roller when ordering. The wool type roller will be supplied unless specified otherwise in the order. Paint Roller with Handle:

Wool		Nylon	
No.	Size	No.	Size
1	25	16	25
2	50	17	50
3	75	18	75
4	100	19	100
5	125	20	125
6	150	21	150
7	180	22	180
8	200	23	200
9	230	24	230
10	250	25	250
11	280	26	280
12	300	27	300



Wire Deck Brushes

Used for sweeping rough floors or scraping surface rust on deck. The standard block size is 180/A60/A45mm.



Stencil Brushes

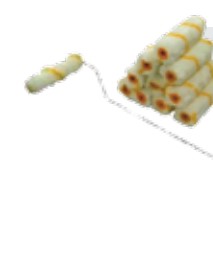
Pure black bristles sealed in rubber and bound in a metal ferrule. When ordering, specify the brush diameter as the number indicating brush sizes vary from country to country.

No.	Width mm		Width mm
1	22	4	38
2	25	5	50
3	32		



Wire Cup Brushes

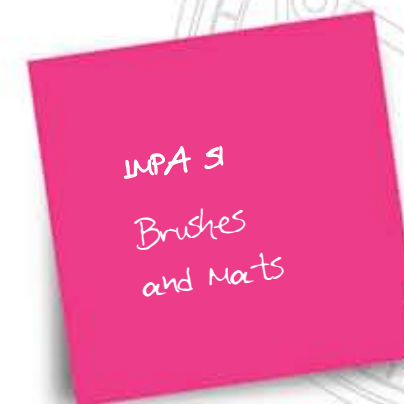
Designed for high speed operation on pneumatic or electric scaling and sanding machines. These brushes remove rust and scale from metal, clean tanks and boat hulls, take off old paint, and clean castings and structural metal.



Mini Paint Rollers

Small sized roller designed for painting radiator, trim or other narrow surface. The inner diameter of the painting radiator, trim or set up is 14mm.

No.	Width	Description	Unit
1	100mm	Complete with Handle	Set
2	100mm	Spare Roller only	Pc





EMERGENCY SAFETY SHOWER

Shower Cum Eye Wash (Hand/Foot Operated) GI

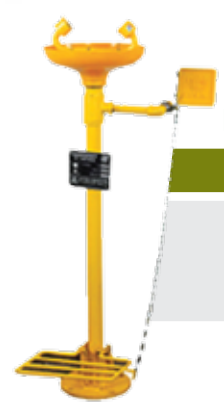
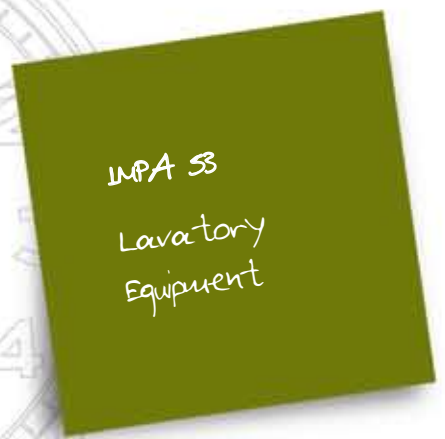
Our shower eye wash is being widely appreciated by our clients. These are also foot and hand operated. We test them on stringent parameters before supplying them to the clients. Moreover, these are also provided in customized sizes as per the client's requirements.



EMERGENCY SAFETY SHOWER

Eye Wash (Wall Mounted)

We supply a wide range of eye wash devices. Manufactured as per the client's requirements, these can be mounted on the wall. Our eye wash is provided with customized solutions to ensure its hassle free and efficient use.



EMERGENCY SAFETY SHOWER

Eye Wash (Hand/Foot Operated) GI

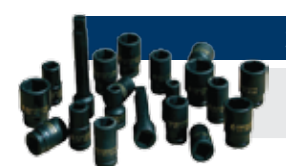
Poseidon's hand and foot operated eye wash is being widely acclaimed in the market. We use high graded and various sophisticated machines in the production to ensure efficient and long lasting usage. Moreover, we also provide them with customized solutions to our clients to ensure complete client satisfaction.



PNEUMATIC TOOLS

Pneumatic Impact Wrenches

SIZES : 3/4" & 1/2" & 1"

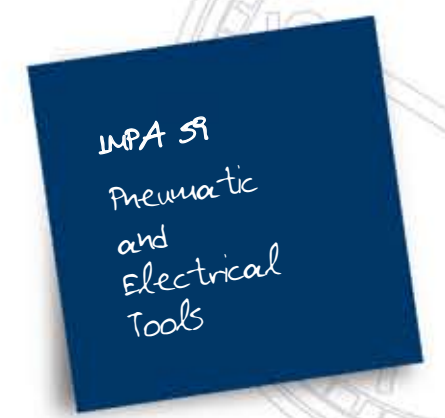


PNEUMATIC TOOLS

Sockets for Impact Wrench

Heavy duty six point square drive sockets for use with the impact wrench.

No.	Size
1-12	9.5mm (3/8"±)
13-28	12.7mm (1/2"±)
29-45	19mm (3/4"±)
46-66	25.4mm (1"±)
67-87	38.1mm (1-1/2"±)



PNEUMATIC TOOLS

Pneumatic Angle Grinders

Recommended air pressure is 0.59MPa (6kgf/cm2). Air hose nipple and tools for wheel mounting are furnished as standard accessories. However, grinding wheels, sanding discs and wire brushes are extra.

No.	Wheel Size
1	100mm
2	125mm
3	180mm
4	230mm



PNEUMATIC TOOLS

Rubber Pads for Pneumatic Grinder

No.	Wheel Size	Code	For wheel Diam.
1	100mm	590321	230mm
2	180mm		



PNEUMATIC TOOLS

Pneumatic Die grinders

No.	Collect chuck	Air inlet PT
1	6.0	1/4



PNEUMATIC TOOLS

Pneumatic Straight Grinder

No.	Wheel Size	Power	Net
1	100mm	0.73kw	4.2kg
2	150mm	1.5kw	6.0kg



PNEUMATIC TOOLS

Pneumatic Hand Drills

For use on light and medium duty drilling. Power is controlled by a built-in air regulator located on the pistol or grip handle, for adjusting to different drilling surfaces. The types of handle differ from manufacture to manufacturer. Recommended air pressure is 0.59MPa.



PNEUMATIC TOOLS

Pneumatic Heavy Duty Rotary Drills

No.	Drilling Capacity mm	Collet Chuck mm	Free Speed RPM	Air Inlet PT	Air Hose mm	Weight kgs
1	22.0	M.T.#2	600	3/8	12.7	5.8
2	32.0	M.T.#3	380	1/2	12.7	14.0

PNEUMATIC TOOLS

Pneumatic Chipping Hammers



No.	Type of Shank	Blow per Minute	Piston Dia mm	Air Inlet PT	Air Hose mm	Weight kgs
1	Round	2600	19.0	3/8	9.5	1.7

PNEUMATIC TOOLS

Pneumatic Angle Grinders



For use in removing scales and surface paint from the ships deck. The scaler has a handle, allowing the operator to stand during use, relieving fatigue and protecting the eyes from dust and chipped metal or scale. Various types of scaling operation machines are available. Required air pressure is 0.59Mpa (6kgf/cm²).

No.	1
Model	KC-100
Scaling System	Reciprocating Piston System
Numbers of Piston Head	11pcs
Piston Diam	22mm
R.P.M	4,000Blow/min
Scaling Width	300mm
Weight	65kgs
Name of Mfr	Kobe Cleaner

PNEUMATIC TOOLS

Pneumatic Long Handle Scrapers



No.	Model	Blow/min
1	2	JC-16
2	2	JT-20
3	2	JEX-24
4	2	JEX-66
5	3	JT-20
6	3	JEX-24
7	3	JEX-66
8	4	JEX-66

PNEUMATIC TOOLS

Pneumatic Angle Grinders



Suitable for the removal of old paint and rust.

No.	Model
1	SC-1
2	SC-2
3	MS-3NV
Spare hammer head	
4	SC-1
5	SC-2
6	MS-3NV

PNEUMATIC TOOLS

Pneumatic Long Handle Scrapers



Long reach air driven auto scraper for derusting, etc. Required air pressure is 0.59Mpa (kgf/cm²). One 38mm width bit is attached as a standard accessory.

No.	Model	Blow/min	Overall Length	Weight kgs
1	S-1000	2500	1310mm	6

PNEUMATIC TOOLS

Pneumatic Jet Chisels



For chiselling or smoothing welds, castings and other materials. Jet chisel needles adjust to the contour of any surface automatically. The chisel can reach into corners, cuivatures, and uneven surfaces, making it a tool no shop should be without. A short hose and quick coupler are attached as standard accessories.
A. JC-16: For light duty **B. JT-20:** For general duty
C. JEX-24: For all purpose **D. JEX-66:** For heavy duty

No.	Model	O.A. Length mm	WT. kg
1	JC-16	270	1.4
2	JT-20	345	2.4
3	JEX-24	348	2.7
4	EX-66	360	3.5

PNEUMATIC TOOLS

Pneumatic Needle Scalers



Unique needle scaler with integrated anti-vibration system in order to protect the operators hands and arms but not the rust. Optimal weight distribution and fully insulated handle and pistol body.

No.	Air Hose Size	Weight
1	1/4'-'- and 3/8'-'-	2.2 kgs

PNEUMATIC TOOLS

Pneumatic Hand Scaler



Lightweight and ideal for removing rust, mill scale, old paint, etc.

No.	1
Model	KC-20
Free Speed	5,000
No Load Air Consumption	0.7m ³ /min.
Air Hose Size	12.7mm
Air Pressure	6kgf/cm ²
Overall Length	400mm
Weight	5kgs
Standard Accessories	*1 pc Wire wheel brush *1 pc LG tool assembly *1 pc HD tool assembly *1 pc Hammer head *1 pc Grind stone *1 lgh Air hose 20m *1 set Spanner set

PNEUMATIC TOOLS

Pneumatic Needle Scalers



Also known as Needle Guns and De-rusting/De-scaling pistols for removing rust, corrosion and heavy scale from all metal surfaces-needles adjust to surface to descale all irregular surfaces. All tools can be converted into chisel scaler for maximum versatility-two tools in one.

No.	Model	O.A. Length mm	Needles mm	Air Inlet	WT.kg
1	1B	343	2mm/A29s 3mm/A12s	PT 1/4	1.6
2	2BPG	315	2mm/A51 3mm/A19	PT 1/4	2.6

PNEUMATIC TOOLS

Pneumatic Flux Chippers



No.	Model	O.A. Length mm	WT. kg
1	CH-24	1 pc Bent flat chisel, 1 pc Reducer PT3/8'±/ANPT3/8'± 1 pc Hose nipple PT3/8'±/A3/8'±	2 kg

PNEUMATIC TOOLS

Pneumatic Hacksaws



Unique needle scaler with integrated anti-vibration system in order to protect the operators hands and arms but not the rust. Optimal weight distribution and fully insulated handle and pistol body.

No.	1
Model	SSW-110
No Load Stroke Speed	7000/min
No Load Stroke Length	11mm
Weight	0.62kgs
Standard Accessories	2 pcs Hacksaw blade 32 teeth 1 pc Hex. spanner 3mm 1 pc Bushing PT 1/4/ANPT 1/4

PNEUMATIC TOOLS

Pneumatic Driven Winches



Pneumatic driven mucking winch specially designed for tank cleaning purposes. Pipe frame pole and suspension available with or without wheels. For further details, please ask our representative.

No.	Lifting Capacity kg	Lifting Speed (Mtr/Min)	Air Hose Diam.mm	
690601	50	35	15	47
690602	70	35	15	50
690603	100	30	15	70
690604	150	25	19	75
690605	200	30	12	75
690606	250	20	25	120
690607	300	30	12	80



PNEUMATIC TOOLS

Pneumatic Scaling Machines

A light and easy to handle, but rigidly constructed tool for efficient heavy duty scaling. Required air pressure is 0.59Mpa (6kgf/cm²).

No.	Model	Max Air Consumption m ³ /min	NO Load Speed R.P.M	Weight kg
1	KC-60	0.8	5,000	40



Electric Scaling Machine

Single-operator deck scaler specifically designed for use on decks of tankers, bulk carriers and large cargo vessels. Removes rust, cement, bitumen, stubborn scale and old paint formation. Scaling Width: 200mm
Three Phase Electric: 220 or 110 or 440V
50-60Hz 2.5hp (1.9kw).

ELECTRIC

Electric Scaling Machine

A rugged but lightweight electric scaling machine for continuous heavy duty use. An ideal unit for derusting and descaling jobs. Portable, fitted with wheels. Furnishable for use with a 110 volt or 220 volt AC power supply.
Model: KC-50 **H.P.:** 3/4 **Kw:** 0.55 **No Load Speed R.P.M:** 3,700 **Voltage:** 110V/220V **Weight kgs:** 48

No.	Voltage	Model
1	AC 110V	KC-50
2	AC 220V	KC-50

Accessories



PNEUMATIC TOOLS

Hold Cleaning guns

For cleaning of bulk carrier holds by a high pressure water stream. A strong stream of water can be projected a distance of over 20m for removal of any rust, flaking paint or cargo residue.

No.	1	2
Model	Water Today	Hydraflex
Effective Jet Reach	20-25m	30m
Working Pressure	5-7 kgf/cm ²	80-100 psi
Water Consumption	28 ton/hour	300 gal/min
Water Hose	50 mm or 65 mm	2"±
Hose Coupling	Nakajima type	instantaneous
Air Hose	15 mm	3/4"±
Weight	Gun: 4.7kgs Stand: 18kgs	15kgs

PNEUMATIC & ELECTRICAL FANS

Water Driven Turbine Fans

Designed for high performance ventilation of gas from large enclosed areas or other tank openings. Works effectively providing penetration deep into the tank for complete ventilation. Made of a non-spark construction with a line impeller and integral water motor that are coated against corrosion.

No.	Outlet Bore Dia.mm	Capacity m ³ /hr	Water Pressure kgf/cm ²	Weight
1	300	70-220	1-7	24
2	400	100-290	1-7	28

PNEUMATIC & ELECTRICAL FANS

Pneumatic Portable Ventilation Fans

Compressed air driven ventilators that can be used with or without a duct in hazardous areas such as cooling tanks or hatches. Provides ventilation of gas, paint fumes and other hazardous fumes.

No.	Model	Case Diam.	Capacity m ³ /hr
1	RF-12	305mm	3,566

PNEUMATIC & ELECTRICAL FANS

Ventilation Tube for Explosion Proof Ventilation Fan

Lightweight and robust, non-sparking type electric driven fan. Equipped with an explosion proof switch and 5 meters of cable. An explosion proof flexible duct is also available.

No.	1	2	3	4
Suitable Model	200 mm Case Diam	250 mm Case Diam	300 mm Case Diam	400 mm Case Diam

PORTABLE EJECTORS

Portable Ejectors



Used for indispensable on bulk carriers, lube-oil tankers and chemical carriers where it is essential to empty tanks completely, and also useful on mopping up the last few barrels of liquid from tanks, holds, cofferdams or other compartments.

No.	Type	Hose Connections A B C			Dimension L H	
1	1'A1A1-1/2	1'±	1'±	1-1/2'±	47cm	10cm
2	1-1/4A1-1/4A2	1-1/4'±	1-1/4'±	2'±	55cm	12cm
3	1-1/2A1-1/2A2-1/2	1-1/2'±	1-1/2'±	2-1/2'±	70cm	14cm

PNEUMATIC DIAPHRAGM PUMPS

Pneumatic Diaphragm Pumps

An air operated diaphragm pump designed for simplicity in operation and maintenance. Safety for use in explosive environments. The metal pump lines provides the durability, chemical resistance, abrasion resistance and temperature range required for a variety of processes and waste applications. The standard material combination is composed of aluminum casing and neoprene diaphragm, balls and valve seat for general purpose non aggressive applications such as in oil and petroleum based fluids. Cast iron, 316 stainless steel and hastelloy casing materials are available as well. **Pump features:** Ease of operation. Intrinsically safe. Variable speed. Ability to pass solids. Variable pressure. Ability to run dry. Dead head capability. No dynamic seals

No.	1	2	3	4	5
Suction Lift	Dry	17'±	18'±	21'±	18'±
	Wet	31'±	28'±	31'±	31'±
Air Inlet NPT	1/4"±	1/2"±	3/4"±	3/4"±	3/4"±
Waste	Inlet	1"±	1-1/2"±	2"±	3"±
	BSP/NPT	Female	Female	Female	Female
	Outlet	3/4"±	1-1/4"±	2"±	3"±
	BSP/NPT	Female	Female	Female	Female
Size	Height	11"±	16-7/8"±	26-11/32"±	32-3/8"±
	Width	10"±	14-7/32"±	15-29/32"±	19-29/32"±
	Depth	7-1/4"±	11-5/16"±	13-1/2"±	16-3/4"±
					13"±

PNEUMATIC & ELECTRICAL FANS

Portable Ventilation Fans Explosion Proof

Lightweight and robust, non-sparking type electric driven fan. Equipped with an explosion proof switch and 5 meters of cable. An explosion proof flexible duct is also available.

No.	1	2	3	4
Casing Diam	200"i	200"i	282"i	282"i
Voltage	AC-100V	AC-200V	AC-100V	AC-200V
Phase	Single	Single	Single	Single
R.P.M	3000/3600	3000/3600	3000/3600	3000/3600
Air Volume	20M3/min	20M3/min	70M3/min	70M3/min
Pressure	25mm/Aq	25mm/Aq	30mm/Aq	30mm/Aq
Weight	14.5kgs	14.5kgs	25kgs	25kgs

PNEUMATIC & ELECTRICAL FANS

Electric Portable Ventilation Fans

Highly efficient and portable. Used to ventilate hot air and harmful gases from a tank or work area, and supply fresh air and oxygen. The ideal bell-mouth type casing is highly efficient. Creates little noise and it is easy to install in an air duct. Related air ducts are sold separately.

No.	1
Case Diam	280mm
Electric Source	110V 1P/220V 1P
Air Volume	70m ³ /min
R.P.M	3,000 3,600
Weight	18kgs

No.	Case Diam.mm	Volt
1	200	110V/220V
2	280	110V/220V
3	400	110V/220V
4	500	110V/220V



WRENCHES

12 point Spud End Wrench



WRENCHES

Pipe Wrenches Straight

Powerful all alloy housing and handle. Housing guaranteed not to break or wrap. Chrome molybdenum steel jaws will not slip or lock on pipes.

PLIERS

Forged high carbon steel. Multi-layered dull Chromium plated. With 2 components soft non-slip plastic handles.

Specification

Combination Pliers

160mm
180mm
200mm

Diagonal Cutters

160mm

Snip Nose Pliers

160mm
200mm

Diagonal Cutters

160mm
200mm

Flat Nose Pliers

160mm

Round Nose Pliers

Heavy Duty Side Cutter

180mm

Power Side Cutter

180mm

End Cutter

160mm

Water Pump Pliers, Box Joint

250mm

Carpenter's Pincers

160mm
180mm
200mm

PLIERS

Forged carbon steel. Chrome plated.
Contents: external-straight, external-bent, internal-straight, internal-bent

Specification

Circlip Pliers Set

170mm

Circlip Pliers Set

6mm - 32mm



PLIERS

Drop forged Chrome-Vanadium steel. Jaws induction hardened. Head polished.

Specification

Long Grip Pliers

220mm

Tinman's Snip

8"
10"
12"
14"
16"



WRENCHES

Wrenches, Double or Single Head Ratch Ratchet 12 Point

Made from selected alloy steel. All the critical parts are heat-treated. Double head.



WRENCHES

Allen Hexagon Wrench Sets



No.	Contents	Pcs/Set
1	mm - Across Flats - 2.5, 3, 4, 5, 6, 8, 10, 12	8
2	In - Across Flats - 1/8, 3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2	8

WRENCHES

Striking Wrenches Single Open End

This open end slogging wrench is designed for the same purpose as the 12-point slogging wrench. Drop forged from selected alloy steel and heat-treated.



WRENCHES

Adjustable Wrenches

Powerful all alloy housing and handle. Housing guaranteed not to break or wrap. Chrome molybdenum steel jaws will not slip or lock on pipes.



No.	Length	Max. Jaw Opening	No.	Length	Max. Jaw Opening
1	100mm	13mm	5	300mm	34mm
2	150mm	20mm	6	375mm	44mm
3	200mm	24mm	7	450mm	53mm
4	250mm	29mm	8	600mm	62mm

WRENCHES

Striking Wrenches 12 Point Ring

Adapted for heavy industrial work at close quarters where large nut must be set-up tight or frozen nuts must be loosened. Drop forged from selected alloy steel and properly heat-treated to withstand shocks.



RATCHET

26pcs Sockets Wrench Set, 1/2" Drive

- 18 PCS metric sockets. - Sizes: 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 27, 30, 32mm. - 2 PCS spark plug sockets: 16, 21 mm.
- 6 PCS accessories. - Quick release ratchet handle. - Sliding T-bar.
- Universal joint. - Extension bars 3"-5"-10". - All parts made of Cr-V steel. Packed in aluminium or metal box.



Item No.	Specification
111192	1/2"

RATCHET

33pcs Sockets Wrench Set, 1/4" Drive

- 12-PCS metric sockets. - Sizes: 4-4.5-5-5.5-6-7-8-9-10-11-12-13mm. - 3 PCS hex keys 1.5-2-2.5 mm. - 12 PCS bit sockets. - Slotted: 3-4-5-5.5-6-8mm. - Phillips: PH1, PH2. - Hexagon: 3-4-5-6-8 mm. - 6 PCS accessories. - Quick release ratchet. - Handle (with 72 teeth). - Sliding T-bar. - Universal joint. - Extension bars 2" & 4". - Spinner handle. - All parts made of Cr-V steel. - Packed in aluminium or metal box.



RATCHET

Reversible Ratchet Handle

Forged carbon hardened steel. Chrome-plated. With non-slip plastic handle.



Item No.	Specification
111187	1/4" 3/8" 1/2"

DRILLING & CUTTING TOOLS

Roll-forged Twist Drill

DIN338, high speed steel, straight shank, 10PCS or 5 PCS per bag.



DRILLING & CUTTING TOOLS

Ground Twist Drill

DIN338, profile ground quality high speed steel, straight shank 10 PCS or 5 PCS per bag.



SCREWDRIVERS

Professional Go-through Screwdrivers

2 components comfortable anti-slip grips. Special design handle match human engineering theory. Chrome-Vanadium steel, hardened, black finished, magnetic tips.

SPECIFICATIONS: 4.0x100mm 5.5x100mm 6.5x150mm 8.5x200 mm
PH0x60 mm PH1x60 mm PH2x100 mm PH3x150mm PH0x60 mm
PH1x60 mm PH2x100 mm PH3x150mm

SCREWDRIVERS

Voltage Tester, Gs-approval

6-24V, metal body with powerful neon light and needle and cap with insulated cable with alligator clip.

Non Spark Hand Tools

Non-sparking tools made from brass, provide protection against fires and explosions in environments where there is a concern about sparks igniting flammable solvents, vapors, liquids, dusts or residues. There are many standards and recommendations that have been published by OSHA (Occupational Health and Safety Administration) and NFPA (National Fire Protection Association) that advise the use of non-sparking tools in hazardous environments.

SCREWDRIVERS

7 Pcs Screwdriver Set

DIN 5265/ISO 8764, made of chrome vanadium steel, extra hardened blades black magnetic tips. On plastic tray in color box with windows. **Contents:** 3 x flat screwdrivers: 0.5x3x75, 0.8x4x100, 1.2x6.5x150mm 3 x Phillips screwdrivers: 0x60, 1x80, 2x100mm 1 x pozi screwdriver 2x6x125mm.

DRILLING & CUTTING TOOLS

25 Piece Roll-forged Twist Drill Set

DIN338, high speed steel, straight shank, black finish, in metal box. **Contents:** 1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5, 7.0, 7.5, 8.0, 8.5, 9.0, 9.5, 10.0, 10.5, 11.0, 11.5, 12.0, 12.5, 13.0mm

Punching Tool Set

Used for punching holes in soft brass, copper and other soft metals as well as leather, canvas and gasketing materials. A set for 6 to 38mm is available as standard

SCREWDRIVERS

12-pcs Go-through Screwdriver Set

Chrome vanadium steel blades, sandblasted and satin chrome plated, hex shank blades, with magnetic and black reinforced tips. **Contents:** Slotted: 1pc. 8.0x8.0x200mm, 1 pc. 7.0x7.0x150mm, 1 pc. 6.6x6.0x100mm, 1 pc. 5.0x5.0x75mm, 1 pc. 3.0x3.0x75mm, 6.0x6.0x38mm, Phillips: 1 pc. 3X8.0x200mm, 1 pc. 2x7.0x150mm, 1 pc. 2x7.0x100mm, 1 pc. 1x6.0x75mm, 1 pc. 0x4.0x75mm, 1 pc. 2x7.0x38mm. Packed in blow mould case with window.

DRILLING & CUTTING TOOLS

9pcs Ratchet Pipe Threading Set

Suitable for threading black gas or galvanized iron pipes. Set comprises 6 PCS. Die heads 2PCS. The compact ratchet head is suitable for working close to walls etc. Cast iron die head with alloy steel dies. 4 chasers per holes for quick dispersion of swarf. Packed in blow mould case and display sleeve.

DRILLING & CUTTING TOOLS

24 Piece Tap And Die Set

10x Hex dies: M5x0.8, M5x0.9, M6x0.75, M6x1.0, M8x1.0, M8x1.25, M10x1.25, M10x1.5, M12x1.5, M12x1.75, 1x NPT die: 1/8-27, 10x hand taps: M5x0.8, M5x0.9, M6x0.75, M6x1.0, M8x1.0, M8x1.25, M10x1.25, M10x1.5, M12x1.5, M12x1.75, 1x NPT die 1/8-27, 1x tap wrench, 1x die holder; in metal box.

CALIPERS

Outside Calipers

For the easy measurement of the outer diameter of pipes and other round objects. Made of hardened steel with tips of tempered steel.

No.	Size mm	No.	Size mm
1	100	7	350
2	125	8	400
3	150	9	450
4	200	10	600
5	250	11	750
6	300	12	1000

CALIPERS

Spring Dividers

Made of hardened steel with points that are extra tempered for scribing on iron surfaces. Has a rigid spring and an adjustable, quick setting screw.

No.	Size mm	No.	Size mm
1	75	5	200
2	100	6	250
3	125	7	300
4	150		

MICROMETERS

Depth Micrometers

Measures the depth of holes, projections, etc. Provided with a hardened tip and threaded ground screw, adjustable for water. The face of the base is hardened and planed to maintain a level surface. Graduated in increments of 0.01mm.

No.	Range mm	Base Size mm
1	0-25	65.3/A16
2	0-25	101.6/A16

MICROMETERS

Digital Calipers

A compact easy to use caliper graduated in 0.01mm increments. All measurements are shown on a digital display making it easier to take quick, precise measurements. The graphic display will indicate whether the tool is set for the measurement of inside or outside diameters.

Length	150mm
Graduation	0.01mm
Display	5 Digit LCD
Max. Response Speed	1000mm/sec
Power Source	Dry Battery SR44 One Year Life Time

CALIPERS

Spring Outside Calipers

For the outside measurement of threads. The tips are specially shaped to fit suitably to the threads.

No.	Size mm	No.	Size mm
1	100	4	200
2	125	5	250
3	150	6	300

CALIPERS

One-Side Calipers

For measuring the thickness of the walls of pipes or valves, etc. Made of hardened steel with tempered steel points.

No.	Size mm	No.	Size mm
1	100	4	200
2	125	5	250
3	150	6	300

CALIPERS

Spring Inside Calipers

Has points of a shape suitable to work in threads.

No.	Size mm	No.	Size mm
1	100	4	200
2	125	5	250
3	150	6	300

MICROMETERS

Outside Micrometers

Graduated in 0.01mm increments with standard measurement sizes from 25mm to 500mm.

No.	Range mm	No.	Range mm
1	0-25	11	250-257
2	25-50	12	275-300
3	50-75	13	300-325
4	75-100	14	325-350
5	100-125	15	350-375
6	125-150	16	375-400
7	150-175	17	400-425
8	175-200	18	425-450
9	200-225	19	450-475
10	225-250	20	475-500

CALIPERS

Steel Compasses

Made of hardened steel with points that are extra hard tempered for scribing circles on iron plates.

No.	Size mm	No.	Size mm
1	75	9	400
2	100	10	450
3	125	11	500
4	150	12	600
5	200	13	750
6	250	14	900
7	300	15	1000
8	350	16	1200

MPA 65
Measuring
Tools

MICROMETERS

Outside Micrometers



Graduated in 0.01mm increments with standard measurement sizes from 25mm to 500mm.

No.	Range mm	No.	Range mm
1	0-25	11	250-257
2	25-50	12	275-300
3	50-75	13	300-325
4	75-100	14	325-350
5	100-125	15	350-375
6	125-150	16	375-400
7	150-175	17	400-425
8	175-200	18	425-450
9	200-225	19	450-475
10	225-250	20	475-500

MICROMETERS

Outside Micrometers with Counter



A numeral counter indicates sizes simultaneously as the measurements are being taken.

No.	Range mm	No.	Range mm
1	0-25	11	250-275
2	25-50	12	275-300
3	50-75	13	300-325
4	75-100	14	325-350
5	100-125	15	350-375
6	125-150	16	375-400
7	150-175	17	400-425
8	175-200	18	425-450
9	200-225	19	450-475
10	225-250	20	475-500

MICROMETERS

Depth Micrometers



Measures the depth of holes, projections, etc. Provided with a hardened tip and threaded ground screw, adjustable for water. The face of the base is hardened and planed to maintain a level surface. Graduated in increments of 0.01mm.

No.	Range mm	Base Size mm
1	0-25	65.3/A16
2	0-25	101.6/A16

MICROMETERS

Outside Micrometers with Interchangeable Anvils



Each micrometer is equipped with a series of interchangeable anvils. Each anvil is marked to show its capacity and is fitted with an adjustable collar to prevent wear. Graduated in 0.01mm increments.

No.	Range mm
1	0-100
2	0-150
3	150-300

MICROMETERS

Internal Groove Micrometers (Inside Micrometer Calipers)



This caliper type jaw facilitates quick reading for internal grooves of all types including '±0'± rings, seals, oil grooves, washer grooves as well as bores and recesses. Graduated in 0.01mm increments in sizes from 25mm to 150mm.

No.	Range mm	No.	Base Size mm
1	5-30 (without Counter)	5	100-125 (with Counter)
2	25-50 (without Counter)	6	125-150 (with Counter)
3	50-75 (without Counter)	7	5-30 (with Counter)
4	75-100 (without Counter)	8	25-50 (with Counter)

MICROMETERS

Vernier Calipers

Made of high grade stainless steel with a stain chrome finish. Available in metric graduation, or in both, metric and inch graduation.

No.	Length mm	Graduation	No.	Length mm	Graduation
In Metric			In Metric & Inch		
1	100	0.05	11	150-6	0.05-0.001
2	150	0.05	12	200-8	0.05-0.001
3	200	0.05	13	300-12	0.05-0.001
4	300	0.05			
5	450	0.05			
6	500	0.05			
7	600	0.05			
8	1000	0.05			

MICROMETERS

Vernier Depth Gauges



Made of hardened stainless steel. Graduated in increments of 0.05 mm in metric sizes only.

No.	Length mm	No.	Length mm
1	150	6	400
2	200	7	450
3	250	8	500
4	300	9	600
5	350	10	1000



Spray-Stop Tape / Anti-Splashing tape for ship

Anti-splashing tape for ship's engine room. No fire tape is applied to around flanged joints, bonnets of valve and any other threaded connections on liquid pipe system (fuel oil, lubricating oil) under pressure which are located in ship's engine room and other.



Anti Corrosive Tapes

For protection against corrosion and the water-proofing of pipes, flanges and valves for marine use. Compound: neutral compound based on saturated petroleum hydro carbons (petroleum) with inert fillers. Fabric: Fabric carrier free from chemical impurities, fully impregnated and coated on both sides. Characteristics: Inalterable in composition and plasticity over a wide range of temperatures. Slight superficial oxidation occurs in atmospheric application and renders the surface less tacky. Has a very high degree of impermeability to water. Won't crack or harden. Unaffected by vibration and highly resistant to mineral acids, alkalis salt.



Water Activated Tapes

- Works on any metal or plastic pipes. - Repairs T-joints & elbow joints.
- Repairs under active leak. - Safe for drinking water pipe.
- Ideal for pipe reinforcement & corrosion protection less than 15 PSI.



Packings

Packings made from PTFE RAMIE, Aramid and Graphite. Packings creates a stable seal for long period at time.



Joint Sheet Non Asbestos

Made with Non-Asbestos fiber. Good sealing effect is expected because of the flexibility of the sheet. Gaskets made from heat resistant fibre and polymer.



Teflon Rounds & Sheets

Gasket material which will withstand temperature from -100°C to +260°C and is unaffected by acids, solvents, etc. Provides excellent electrical insulation.

MPA 81
Packing &
Joints

HELIDECK EQUIPMENT

In accordance with SOLAS Chapter II-2, Part G, Regulation 18



- At least two dry powder extinguishers total capacity not less than 45kg
- Co₂ extinguisher not less than 15kg
- Foam applicator system
- At least 2 nozzles and hoses sufficient to reach any part of the helideck
- Two sets of fireman outfit
- Adjustable wrench
- Blanket fire resistant
- Wire cutter 60cm
- Hook, grab or salving
- Hacksaw heavy duty with 6 spare blades
- Ladder aluminum
- Lifeline
- Pliers, side cutting
- Set of screwdrivers
- Knife with sheath



Special
Products

Anti - Piracy Protection

Piracy off the Somali coast has been a threat to international shipping since the second phase of the Somali Civil War in the early 21st century. Since 2005, many international organizations, including the International Maritime Organization and the World Food Programme, have expressed concern over the rise in acts of piracy. Piracy has contributed to an increase in shipping costs and impeded the delivery of food aid shipments. Ninety percent of the World Food Programme's shipments arrive by sea, and ships have required a military escort. According to the Kenyan foreign minister, Somali pirates have received over US\$150 million in ransom during the 12 months prior to November 2008.



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