

PRODUCTS CATALOGUE
2018-2019

MARINE SUPERSTORE

— ALL FOR BOATS —



GUARANTEE THAI-MALDIVES CO., LTD.

www.gtmphuket.com

GENERAL GUIDELINE

As we understand that Boat Builders, Resellers, and other Marine Professionals prefer swift deliveries, we always strive to maintain a ready to purchase stock on products considered essential for building or maintaining a boat.

Please contact us for any support you might require in choosing the right products for your project. Our team will be ready to provide you with any technical assistance.

If additional information is required, such as; drawings, installation instruction or further specifications please send us a request at info@gtmphuket.com

If you find yourself in need of a critical part for your project that are perhaps not reflected in our catalogue or visit our online storefront at www.gtmphuket.com

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MARINE SUPERSTORE Catalogue 2018-2019

Designed and published by.

GUARANTEE THAI-MALDIVES CO., LTD.

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Welcome

Dear Customer,

Our Marine Superstore is situated in Phuket, Thailand, home for 6 Yacht Marinas. Superstore for marine products and accessories is owned and operated by Guarantee Thai-Maldives Co., Ltd. (GTM), a company specialized in boat accessories and equipment.

GTM had been operating in Thailand since year 2009. Since then our Marine Superstore has been a central supplier in Thailand for various retail vendors, Boat builders, Boat owners and Charter operators alike.

Our Marine Superstore is capable and maintains a large stock from leading Marine Equipment brands from all over the World.

The export regulations here in Thailand is favorable for us to export our products anywhere in world. In return it helps us to supply our customers at a lower cost and in a timely order.

GTM's Marine Superstore is backed by a highly experienced and a dedicated team of staff who will be willing and ready to attend to every detail of your needs and requirements.

We certainly hope that you will enjoy reading and using our catalogue for all your future needs. Visit us at www.gtmphuket.com

For more Product and Accessories.

Ahmed Luthfy
CEO

MARINE SUPERSTORE

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5 Finger Cut Sailing Gloves Kevlar

Soft and comfortable 5 finger cut gloves with Kevlar palm reinforcement for best grip and durability. We've combined Kevlar and its advantages, with the very best soft Amara leather and elastic spandex, in order to create the 'ultimate' sailing glove in grip and fit. Available in 6 different sizes (XS-XXL).



Code	21-00723	21-00724	21-00725
Size	XS	S	M

Code	21-00726	21-00727	21-00870
Size	L	XL	XXL

Size	XS	S	M	L	XL	XXL
Length	15.5	17.5	18	18.5	19	19.5
Palm	9.5	10.5	11	11.5	12	12.5
Wrist	7.5	9	9.5	10	10.5	11

TR90 Sunglasses Polarized 1.00 mm

The TR 90 material used in the frames of the new sunglasses renders them safer from the extreme temperatures and more durable to continuous and harsh use. Additionally, the lenses used are polarized and thus the glare and eyes strain are reduced substantially for use in sports, but also in other activities which involve prolonged sun exposure.. The sunglasses is completed with polycarbonate which suitable for the kids.



Adult / Black Code: **21-01622**



Adult / Black Code: **21-01623**



Adult / Black Code: **21-01624**



Adult / Black Code: **21-01625**



Adult / Grey Code: **21-01626**



Kids / Blue Code: **21-01627**

Professional Bosun's Chair

- Reinforced Nylon with PVC backing and PP webbing
- Supreme comfort for extended time aloft
- Comfortable wrap-around back
- Adjustable strap between the legs for extra safety
- Stows in its own bag, which becomes a tool pouch when the chair is in use
- Attached side tool case
- Pocket to fit an optional wooden seat (code:00169)
- Retroreflective tapes for better visibility
- Floats in the water when it is empty

Code: **21-00075**



Safety Bosun's Chair

This bosun's chair is made of reinforced Nylon 210D with PVC backing, 0,35mm thick. It comes complete with safety straps for added security, fitted side pockets for tools and a padded wooden seat. Lalizas offers you a bosun's chair to allow you to work comfortably, safely and in balance.

Code: **21-00062**

Electronics

Antenna Mounts & Accessories



Bracket for VHF Microphone

Code	Color	Length (mm)	Height (mm)	Width (mm)
22-00567	White	35	8	35
22-00568	Black			



Antenna Bracket
for Rail Ø18-27mm,
Plastic, White
Code: **22-00341**



Antenna Rail Mount,
H 65mm
Code: **22-00974**



Antenna Mount,
H 100mm, Diam. 70mm
Code: **22-00977**



Fixed Antenna Mount,
H 41mm, Diam. 70mm
Code: **22-00977**



Four Way Antenna Ratchet Mount, Single Knob
This ratchet mount antenna is made of reinforced nylon and may be installed on the deck or bulkhead of your boat. It allows you to adjust the position horizontally and also locks manually at the angle of your preference. It is available in white color.
Code: **22-00953**



Antenna Rail Mount, 1 Adjustment Knob

This ratchet mount is made of reinforced nylon and may be installed on rails of 19.1 up to 25.4mm diameter. The ratchet mount allows you to adjust the horizontal position of the antenna manually. It is available in white color.
Code: **22-00955**



Four-Way Antenna Ratchet Mount, Two Knobs

This ratchet mount antenna is made of reinforced nylon and may be fixed to the deck or bulkhead of your boat. It allows you to adjust the antenna in several positions either vertically or horizontally. Set the antenna at the position of your preference and lock its position manually. A special rift on the top of the antenna is appropriate for coaxial and GPS cables. It is available in white color.
Code: **22-00973**



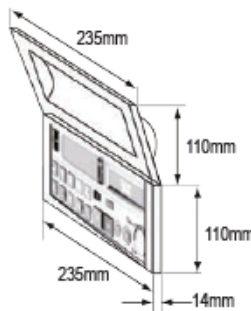
Antenna Rail Mount, 2 Adjustment Knobs

This rail mount is made of reinforced nylon and may be fixed to rails of 19.1-25.4mm diameter. It allows full adjustment with which you can achieve complete horizontal and vertical position of the antenna. Two screws on the side of the mount allow you to lock the position of the antenna. It has a special rift to hold coaxial and GPS cables.
Code: **22-00892**

Radio/MP3 & Radio/CD Cases



Univ. Case Cover for Radio/CD,
Curved, Smoked Transparent
Code: **22-01010**



Case Cover for Radio/CD

Code	Color
22-00837	White
22-00996	Smoked, Transparent

Rod Holders

**Rod Holder Adjustable**

For fishing rod, Ø 40 mm maximum.
Length: 21.5 cm.
Supplied with 2 sockets (for lateral
or flush mount options)
Code: **22-00266**

**Rod Holder (Deck Type) Inox 316**

Code	21-03823
Surface	H.P. (Hand polish)
Holder	Pipe
Body	Casting

Fishing Rod Holder, Inox 316

Code	21-01503
Diameter (mm)	44.4
Length(mm)	195
Base Dimensions (mm)	80x59

**Rod Holder, Plastic, Vertical**

Code	Int Ø	Height	Color
22-00561	40 mm	235 mm	White
22-00562			Black

Knives



**Diving knife "Discovery",
Stainless Steel,**
Blade: 14,3cm (6")
Code: **21-01293**

**Swiss Army Pocket Knife Evolution
85 mm Length**

Large blade, scissors, corkscrew, can
opener, small screwdriver, cap lifter,
screwdriver, wire stripper, reamer with
sewing eye, key ring, tweezers, toothpick,
nail file, nail cleaner, wood saw, pliers, wire
crimping tool, wire cutters
Code: **19-00005**

**Large Pocket Swiss Knife with
Two Component Scales 20 mm
Length**

Large gutting lockable blade for one
hand, seatbelt cutter, corkscrew,
wood saw, key ring, nylon cord
Code: **19-00002**

**Multipurpose Swiss Army
Knife Limited Edition 58 mm
Length**

RIDE YOUR BIKE; blade, nail file,
screwdriver, scissors, key ring,
tweezers, toothpick
Code: **19-00007**

Surface Float



Surface Float w/Hole,
Spherical, Ø260 mm, Yellow
Code: **22-00371**



Surface Float w/Hole,
Spherical, Ø260 mm, Orange
Code: **22-00113**



Surface Float w/Hole,
Spherical, Ø 135 mm.
Code: **112-00158**



Surface Float w/Hole,
Spherical, Ø 200 mm.
Code: **112-00157**



Surface Float w/o Hole,
Spherical, Ø 135 mm.
Code: **112-00175**



Surface Float w/Hole,
Spherical, Ø 100 mm.
Code: **112-00167**

Boats & Engines

Inflatable boat

Odyssey Air Floor

The Odyssey Air Floor is perfect for those who want an inflatable which stores extremely compact and light while still being quick to get on the water. The tapered tube design allows for more room in the bow while the inflatable V-keel of the 270 and 310 and 11 PSI high pressure floor make the boat track straight in rough chop.



Model	310 AF	270 AF	240 AF
Code	111-00261	111-00260	111-00259
Overall length	310 cm / 10' 2"	270 cm / 8' 10"	240 cm / 7' 11"
Overall Beam	154 cm / 61"	154 cm / 61"	153 cm / 60"
Inside length	214 cm / 84"	174 cm / 69"	156 cm / 62"
Inside beam	68 cm / 27"	68 cm / 27"	68 cm / 27"
Tube Diameter	42 cm / 16.5"	42 cm / 16.5"	42 cm / 16.5"
Tube Material	ORCA CSM	ORCA CSM	ORCA CSM
Person Capacity	4	3	3
Weight kg/lbs.	28/62	25/55	22/49
Shaft length	Short	Short	Short
Recommended HP	8	6	5
Maximum HP	10	8	6

Superlight RIBs

The Superlight RIB is the perfect complement of features and comfort in a small tender. It has more interior space due to a wider bow, and its light weight is achieved through our DuraTech™ molding technique incorporating a high-density foam insert to improve stiffness and buoyancy. The innovative floor design has drain channels that keep water away from your feet and allow for improved drainage.



Model	310 SLR	310 SLRX	270 SLR
Code	111-00266	111-00265	111-00267
Overall length	310 cm / 10' 2"	310 cm / 10' 2"	270 cm / 8' 10"
Overall Beam	151 cm / 60"	151 cm / 60"	151 cm / 60"
Inside length	216 cm / 85"	216 cm / 85"	176 cm / 69"
Inside beam	68 cm / 27"	68 cm / 27"	68 cm / 27"
Tube Diameter	42 cm / 16.5"	42 cm / 16.5"	42 cm / 16.5"
Tube Material	ORCA CSM	ORCA CSM	ORCA CSM
Person Capacity	5	5	4
Weight kg/lbs.	38/84	48/105	34/75
Shaft length	Short	Short	Short
Recommended HP	10	10	10
Maximum HP	15	15	15

Generation 525

The Generation 525 will exceed your expectations in both function and comfort. Our attention to hull design and engineering along with more standard features have resulted in a truly world class deluxe RIB.



Model	GENERATION 525
Code	111-00163
Overall length	525 cm / 17' 2"
Overall Beam	254 cm / 8' 4"
Weight kg/lbs.	527/11604
Max Persons	10
Max load kg/lbs.	1250/2750
Recommended HP	90
Maximum HP	115

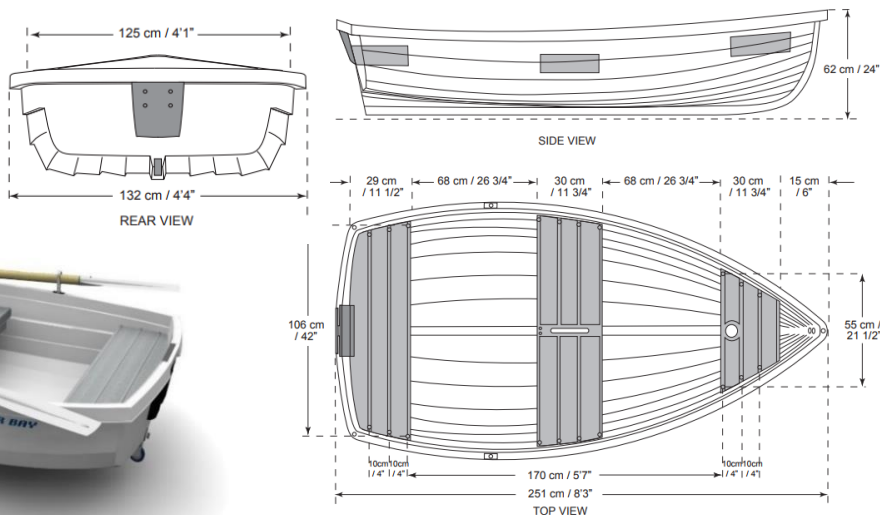
Rigid dinghy

Walker Bay 8 Rigid Dinghy

Weighing only 71 pounds the Walker Bay 8 rigid dinghy is easy for one person to handle in and out of the water. Its lightweight and innovative features, like Wheel in the Keel, make it perfect for people who want a boat they can transport easily.

Standard Features & Components

- One-piece HIMC hull
- Integrated motor/tiller mount
- Wheel in the Keel™
- Stainless steel bow eye
- One way drain plug
- Add-a™ Tube ready
- Sail kit ready



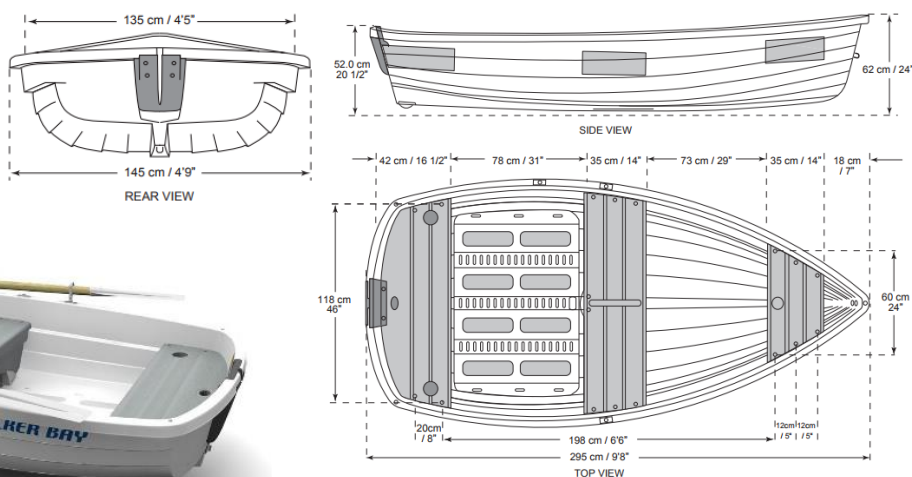
Walker Bay 8 WB 8S						
Code	Seat Color	LOA	Beam	Weight	Max HP	Capacity
111-00001	Gray	8'2" / 250 cm	4'4" / 132 cm	71 lbs. / 32 kg	2 hp	2 Persons
111-00417	Blue	8'2" / 250 cm	4'4" / 132 cm	71 lbs. / 32 kg	2 hp	2 Persons

Walker Bay 10 Rigid Dinghy

Boasting all the same innovative features as the Walker Bay 8, the Walker Bay 10 Dinghy Boat is roomier and comes with a reinforced gunwale, integrated cup holders, a non-slip cockpit floor and is rated for a higher horsepower motor and person capacity.

Standard Features & Components

- One-piece HIMC hull
- Non-slip cockpit floor
- Integrated motor/tiller mount
- Adjustable rowing footrest
- Insulated cup holders
- Wheel in the Keel™
- Stainless steel bow eye
- One way drain plug
- Add-a™ Tube ready
- Sail kit ready



Walker Bay 10 WB 10F						
Code	Seat Color	LOA	Beam	Weight	Max HP	Capacity
111-00002	Gray	9'8" / 295 cm	4'9" / 145 cm	126 lbs. / 57 kg	3 hp	3 Persons
111-00416	Blue	9'8" / 295 cm	4'9" / 145 cm	126 lbs. / 57 kg	3 hp	3 Persons

Boats & Engine

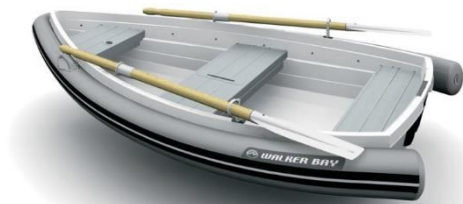
Rigid Dinghy Accessories

WB8 RID 275 PVC Tube Kit

The Rigid Inflatable Dinghy (RID) 275 is the ideal boat for those who want the versatility, durability, cockpit space and lightweight features of the Walker Bay® 8, plus the added stability and greater horsepower rating that the 2 chamber Variable Profile Design (VPD) tube provides.

The RID 275 Boat is a combination of the WB8 Boat and the 275 RID Tube Kit. Boat and tube kit purchased separately.

Code	111-00414
Weight	15 lbs.
Dimensions	24 x 14 x 10 in



WB10 RID 310 PVC Tube Kit

The Rigid Inflatable Dinghy (RID) 310 is the ideal boat for those who want the versatility, durability, cockpit space and innovative features of the Walker Bay® 10, plus the stability, greater capacity and horsepower rating that the 2-chamber tube provides.

The RID 310 Boat is a combination of the WB10 Boat and the 310RID Tube Kit. Boat and tube kit purchased separately.

Code	111-00403
Weight	14 lbs.
Dimensions	24 x 14 x 10 in



8 Performance Sail Kit

The Walker Bay 8 Performance Sail Kit comes with high end rigging features while still being easy to rig or break down and store. It is perfect for those who want performance while still keeping it simple.

Standard Features:

- Visibility window
- 4 oz Dacron sail cloth
- 2-piece collapsible mast
- On/off ratchet block
- Retractable aluminum rudder
- Telescoping tiller extension
- Aluminum dagger board
- Color coded lines

Code	111-00410
Sail area	39 sq. ft. / 3.6 m ²
Mast height	14'8" / 4.47 m



10 Performance Sail Kit

The Walker Bay 10 Performance Sail Kit features a high aspect sail profile and aluminum dagger board to optimize speed and upwind performance. Easy to rig or break down and store!

Standard Features:

- Visibility window
- 4 oz Dacron sail cloth
- 2-piece collapsible mast
- On/off ratchet block
- Retractable aluminum rudder
- Telescoping tiller extension
- Aluminum dagger board
- Color coded lines

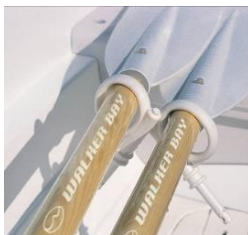
Code	111-00399
Sail area	50 sq. ft. / 4.6 m ²
Mast height	14'8" / 4.47 m



Rowing Kit 6'5" Oars and Oarlocks

Walker Bay Boat Oars, Pair for WB8 and WB10 195cm/6.5' Hydro curve removable blades with plastic collars and oarlocks.

Code	111-00392
Weight	13 lbs.
Dimensions	74 x 4 x 4 in



Oarlock Kit with Adapters	WB8 (Pair)	WB10 (Pair)
Code	111-00341	111-00342
Weight	3 lbs.	3 lbs.
Dimensions	12 x 11 x 2 in	12 x 12 x 2 in

Outboard Engine Accessories



**Inflating
Adaptor for Valve**
Code: 22-00960

Tiller Extension for Outboard Engine



Code	Length
22-00173	65 cm
22-00174	100 cm
22-00175	80-111 cm Telescopic

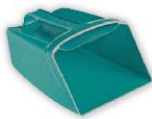
Double Action Hand/Floor Pump

Code: 21-00076

This Double Action Hand/Floor Pump - ideal for inflating or deflating dinghies, ski tubes, air mattresses, plus many more inflatable products. To inflate or deflate simply fasten the air tube to the appropriate connection ("Inflate" or "Deflate") and pump with steady up and down strokes. The Pump also features an adjustable pressure release valve which allows you to inflate, either easily on the down stroke only (2,1Lt per stroke) or faster on both the up & down stroke (4,2Lt per stroke). The Lalizas Double Action Pump is supplied with a flexible air tube, 4 sizes of adaptor nozzles and a kit of 6 adaptors (also sold separately). Large comfortable handles give better grip and foot plates provide stability during pumping. It is made of strong, non-corrosive, lightweight, grey plastic.



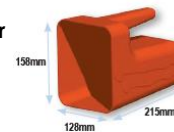
Optimist Hardware



**Bailer Flexible, Floating,
Petrol Blue**
Length 190mm x width
135mm
Code: 22-00105



Bailer Funnel with Filter
length 290mm x width
110mm
Code: 22-00610



**Scoop Bailer, 2.5lt,
Orange**
Code: 22-00092

Oars & Oarlocks

Paddle



Code	Length (cm)	Diameter (mm)
22-00839	220	35

Paddle Jointed for Inflatable Boat, Black



Code	Length (cm)	Diameter (mm)
22-00552	160	35

Paddle Jointed with Collar for Tender, Black



Code	Length (cm)	Diameter (mm)
22-00551	188	35

Kayak Dismountable Paddle



Code	Length (cm)	Diameter (mm)
22-00545	220	30

Oarlock Polyamide

Code	Ø A (mm)	Ø B (mm)	Ø C (mm)	Ø D (mm)	Color
22-00613	31	51	55	17	Black
22-00614	37	56			White
22-01280	37	56			



Oarlock Socket

Code	Description	Color
22-00417	Top-mount	Black
22-00416	Side-mount	

Engine

Fuel Tanks & Accessories

DIABLO Tanks

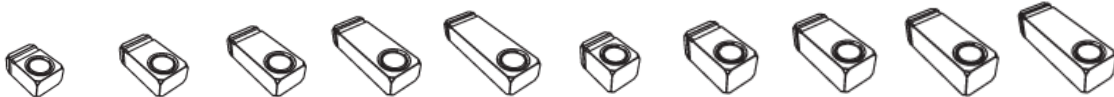
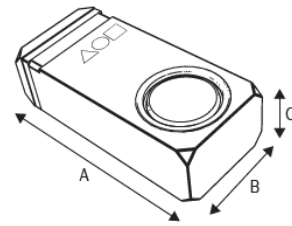


DIABLO tanks

- Designed in recyclable HDPE
- Very easy to clean
- Compatible with gasoline, diesel, ethanol, alternative fuel & organic vegetable oil
- One of a kind



Rina
Approved



Code	22-01324	22-01325	22-01326	22-01327	22-01328	22-01329	22-01330	22-01331	22-01332	22-01333
Capacity (lt)	37	48	60	70	82	49	64	78	93	108
A - Length (mm)	500	650	800	950	1100	500	650	800	950	1100
B - Width (mm)	360	360	360	360	360	360	360	360	360	360
C - Height (mm)	230	230	230	230	230	305	305	305	305	305

DIABLO Easy Switch Fuel Plate

Code:
22-01334



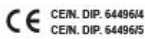
DIABLO Easy Switch Fresh Water Plate

Code:
22-01335



Oil Measurer

Diam. 58mm
Height 120mm
Code: 22-00171



CEIN. DIP. 6449614
CEIN. DIP. 6449615

Fuel Portable Tank with Filter

- HDPE
- Ø 8mm outlet with filter
- With vented filler cap



Universal Base with Strap

280mmx178mm
Code: 22-00469



Code	Capacity (lt)	Length (mm)	Width (mm)	Height (mm)	Fuel Gauge
22-00627	10	330	245	135	No
22-00626*	25	440	295	210	Yes

*Suitable for diesel by adding 44624 (Pipe fuel return)

Storage Bottles

To store safety equipment, medicine or personal belongings. Silicone gasket for optimum water resistance. Possibility to add a carrying rope.



Code	Capacity (lt.)	Diameter (mm)	Height (mm)
22-00275	6	240	195
22-00276	8		260
22-00277	12		380
22-00278	15		440

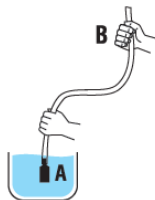
ATTENTION: Make sure that the empty container is placed below the level of the container you wish to empty



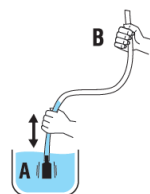
Suction Hand Pump

Length 160cm

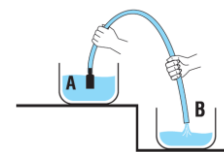
Code	22-00887
Diameter (mm)	12.5



1. Place the bottom end A of the hosepipe into the tank with the liquid that you wish to pump out and hold the top end B of the hosepipe upright



2. Shake the bottom end of the hose vigorously up and down until the liquid rises in the hose, continue pumping until the liquid passes balance level



3. Stop pumping and place top end of the hose in the container you wish to fill and the liquid will flow automatically

Fuel Tanks & Accessories

Shark Low Fuel Tanks



Code	Capacity (lt)	Length (cm)	Width (cm)	Height (cm)
112-00176	40	65	35	22
112-00177	50	85	35	22
112-00178	60	110	35	22

Model with cap

Code	Capacity (lt)	Length (cm)	Width (cm)	Height (cm)
112-00182	40	65	35	22
112-00183	50	85	35	22
112-00184	60	110	35	22

Gauge installed

Shark Low Fuel Tanks Curve Deck Fill



Code	Capacity (lt)	Length (cm)	Width (cm)	Height (cm)
112-00188	40	65	35	22
112-00189	50	85	35	22
112-00190	60	110	35	22

Curved deck filter 50mm

Code	Capacity (lt)	Length (cm)	Width (cm)	Height (cm)
112-00191	40	65	35	22
112-00192	50	85	35	22
112-00193	60	110	35	22

Gauge installed

Shark fuel tanks straight deck fill



Code	Capacity (lt)	Length (cm)	Width (cm)	Height (cm)
112-00200	40	50	35	30
112-00201	51	65	35	30
112-00202	65	80	35	30

Straight deck filter 50mm

Code	Capacity (lt)	Length (cm)	Width (cm)	Height (cm)
112-00203	40	50	35	30
112-00204	51	65	35	30
112-00205	65	80	35	30

Gauge installed

Shark Low Fuel Tanks Straight Deck Fill



Code	Capacity (lt)	Length (cm)	Width (cm)	Height (cm)
112-00179	40	65	35	22
112-00180	50	85	35	22
112-00181	60	110	35	22

Straight deck filter 50mm

Code	Capacity (lt)	Length (cm)	Width (cm)	Height (cm)
112-00185	40	65	35	22
112-00186	50	85	35	22
112-00187	60	110	35	22

Gauge installed

Shark Fuel Tanks



Code	Capacity (lt)	Length (cm)	Width (cm)	Height (cm)
112-00194	40	50	35	30
112-00195	51	65	35	30
112-00196	65	80	35	30

Model with cap

Code	Capacity (lt)	Length (cm)	Width (cm)	Height (cm)
112-00197	40	50	35	30
112-00198	51	65	35	30
112-00199	60	80	35	30

Gauge installed

Shark fuel tanks curve deck fill



Code	Capacity (lt)	Length (cm)	Width (cm)	Height (cm)
112-00206	40	50	35	30
112-00207	51	65	35	30
112-00208	65	80	35	30

Curved deck filter 50mm

Code	Capacity (lt)	Length (cm)	Width (cm)	Height (cm)
112-00209	40	50	35	30
112-00210	51	65	35	30
112-00211	65	80	35	30

Gauge installed

Engine

Fuel tanks & Accessories

Large Capacity Tanks



Code	Capacity (lt)	Length (cm)	Width (cm)	Height (cm)
114-00001	28	45	39	20
114-00002	35	55	39	20
114-00003	41	65	39	20
114-00004	48	75	39	20
114-00005	54	85	39	20
114-00006	61	95	39	20
114-00007	67	105	39	20
114-00008	43	45	39	29
114-00009	53	55	39	29
114-00010	63	65	39	29
114-00011	73	75	39	29
114-00012	83	85	39	29
114-00013	93	95	39	29
114-00014	103	105	39	29

Fuel Jerrycan



Code	Capacity (lt)	Height (cm)	Width (cm)	Depth (cm)
114-00015	5	26	26.5	14.5
114-00016	20	38	37	22

Portable Fuel Tanks Orca Series



Orca portable fuel tanks.
Made of roto molded polyethylene. 3 different sizes without fuel gauge.

Code	Capacity (lt)	Length (cm)	Width (cm)	Height (cm)
112-00212	12	40	28	18
112-00213	22	45	35	23
112-00214	30	50	36	24

Fuel/Water Level Sensors

Liquid Level Sensor 300 mm.

Code	18-00001
Application	Fuel/Diesel/Bio-Diesel/Water
Material	Aluminum Head + Stainless Steel #304 Sensor Tube
Resistance Range	Customization
Assembly Way	1-1/4" BSP thread
Accessories	Rubber O Ring



Liquid Level Sensor 400 mm.

Code	18-00002
Application	Fuel/Diesel/Bio-Diesel/Water/AdBlue
Material	Stainless Steel #316
Resistance Range	Customization
Assembly Way	1-1/4" BSP thread
Accessories	Rubber O Ring



Liquid Level Sensor 550 mm.

Code	18-00003
Application	Fuel/Diesel/Bio-Diesel/Water
Material	Aluminum
Resistance Range	Customization
Assembly Way	SAE 5 Holes
Accessories	Rubber Gasket



Liquid Level Sensor 650 mm.

Code	18-00004
Application	Fuel/Diesel/Bio-Diesel/Water/AdBlue
Material	Stainless Steel #316
Resistance Range	Customization
Assembly Way	SAE 5 Holes
Accessories	Rubber Gasket



Liquid Level Sensor 750 mm.

Code	18-00005
Application	Water
Material	ABS
Resistance Range	Customization
Assembly Way	SAE 5 Holes
Accessories	Rubber Gasket



Sensor for Fuel & Water Tanks

(12/24V, St Steel 316, SAE5)

Code	Height (mm)	Impedance (Ohm)	Suitable for
22-01300	200	0 - 190	Diablo H200mm
22-01301	250		Diablo H305mm
22-01302	300		For Custom made tank
22-01303	350		
22-01305	450		
22-01307	600	240 - 33	For Custom made tank
22-01309	200		Diablo H200mm
22-01311	300		Diablo H305mm
22-01313	400		For Custom made tank
22-01315	500		



Fuel/Water Panel & Gauge

Multipanel, 7 Fuel Tanks

Code	18-00014
Application	The indicator panel can cover up to 7 water/fuel tanks, and the gauges are good-looking and fog-proof.
Resistance Range	0~180Ω or 240~30Ω



Code	18-00008	18-00009	18-00010
Application	Water Gauge	Fuel Gauge	Sewage Gauge
Power	12V or 24 V	12V or 24V	12V or 24V
Resistance Range	0~180Ω or 240~30Ω	0~180Ω or 240~30Ω	0~180Ω or 240~30Ω



Code	18-00011	18-00012	18-00013
Application	Compatible with Water/Fuel/Sewage Tank	Fuel Temperature Gauge	Water Temperature Gauge
Power	12V or 24V	12V or 24V	12V or 24V
Feature/Scale Calibration	With Bright LED Light Including 3 pcs of PC Board, 1 pc of White LED Light and 4 pcs of RED LED Light	0~100°C	0~100°C

Gauge For Sensors

(12/24V, Ø52mm, Black)

Code	Use Type	Impedance (Ohm)
22-01293	Fuel	0 - 190
22-01294		240 - 33
22-01295	Water	0 - 190
22-01296		240 - 33
22-01297	Waste	0 - 190



Fuel Connectors



Fuel Line Tank Female connector with Ø9,5mm barb
Code: **22-00239**



Tank Male connector with 1/4" NPT barb
Code: **22-00347**



Fuel Line Tank Male connector with Ø10mm barb, double
Code: **22-00348**

Deck Fillers

Deck Fillers for Gas, Diesel, Water, Waste, Black

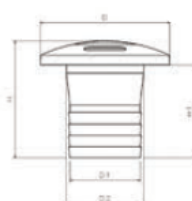
The Deck Filler range includes deck fills appropriate for water, fuel and wastes. They are designed in such a way, so that the full lid area is covered, which makes the final look much more attractive. Each deck filler could have a different use, which could always be clear-sighted by using the relevant sticker (water, fuel, wastes) included in each fill's packing. They are made of highly resistant plastic and are available in 38mm and 50mm diameter.



Deck Filler

Code	22-00972
Tube Diam.	50mm (2")

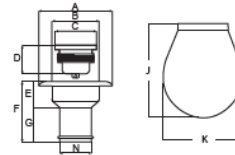
Hose diam. D1 (mm/inch)	50 (2")
H (mm)	84
H1 (mm)	66
diam. D (mm)	92
Cut out D2 (mm)	55



Engine

Deck Fillers

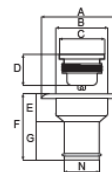
Plastic Deck Fillers, Flip Top



Code	Model	Hose Ø (mm)
22-01024	Water	38 (1½")
22-01020	Fuel	38 (1½")

	A (mm)	Ø B (mm)	Ø C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	Ø N (mm)	K (mm)	J (mm)
Ø 38	80x93	55	48	33	26	72	46	38	84	98

Plastic Deck Fillers



Code	Model	Hose Ø (mm)	Color
22-00687	Water	38 (1½")	White
22-00684	Fuel	51 (2")	White

	A (mm)	Ø B (mm)	Ø C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	Ø N (mm)
Ø 38	85	55	48	33	26	72	46	38

Cable Grommets



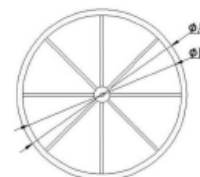
Cable Boot with Screwed Ring

Code	Cut-out Ø	Overall Ø	Height
22-00232	120 mm	150 mm	110 mm
22-00233	55 mm	105 mm	65 mm

Steering Wheels



Code	Ø A (mm)	Ø B (mm)	Ø (mm)
15-00240	280	240	20
15-00176	390	350	20



Steering Wheel "Classic",
Diam. 350mm

Code	22-00886	22-00889
Color	Black	White



Steering Wheel, Stainless Steel
With Black Foam

Code	21-04585	21-04586
Diameter (mm)	390	343



Steering Wheel, Stainless Steel
With Cap

Code	21-02408	21-02420	21-02407
Diameter (mm)	343	390	457



Model	Code
Adaptor for Steering Wheel	21-02389


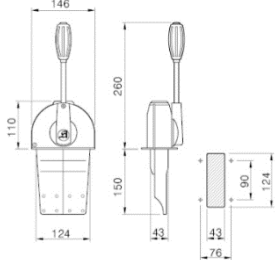

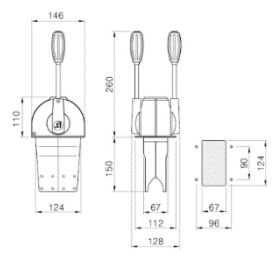
Engine Control Lever

The Red-Knob on Throttle Lever has built in brake. If the Red-Knob is turned clockwise, the brake is activated and when it is turn opposite direction, the break is released.


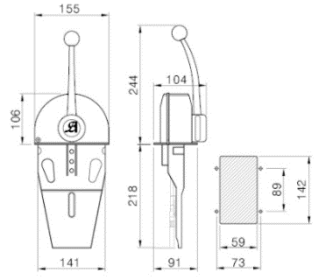

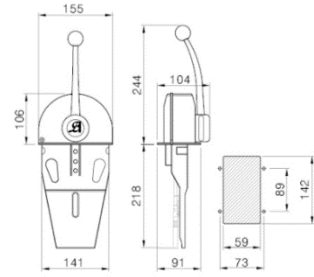

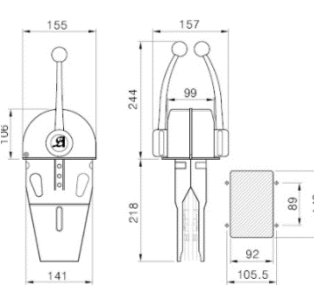

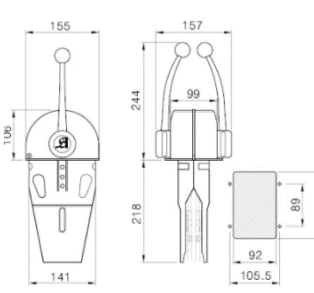
The Black-Knob on Clutch Lever is designed to detect forward, neutral, reverse position of lever.

The SB-Type Control head is a heavy-duty unit with a positive brake and shut off position for heavy throttle. The throttle lever activated by turning in a clockwise direction.

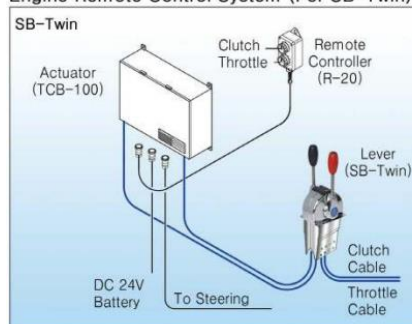
The clutch lever has a black knob and a decent so that the operator can feel the position of neutral, forward and reverse.

Image / Code	Diagram	Image / Code	Diagram
			
13-00001	13-00002	13-00003	13-00004
SB Single Clutch/Throttle Engine Control Lever		SB Twin Clutch and Throttle Engine Control Lever	

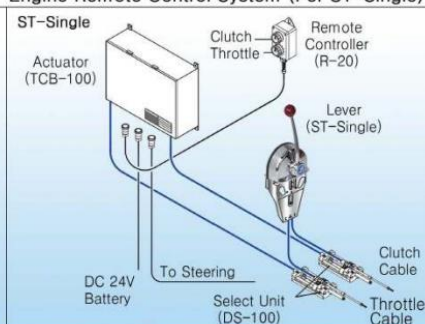
The **ST-Type** control head is enables easy and safe shifting by preventing accidental gear engagement unless engine is idling Pull-out handle disengages shift for warm-up Neutral safety switch prevents in-gear starting.

Image / Code	Diagram	Image / Code	Diagram
			
13-00004	13-00005	13-00006	13-00007
ST Single Clutch Lever		ST-XI Single Throttle Lever	
			
13-00006	13-00007	13-00008	13-00009
ST Twin Clutch Lever		ST-XL Twin Throttle Lever	

Engine Remote Control System (For SB-Twin)



Engine Remote Control System (For ST-Single)



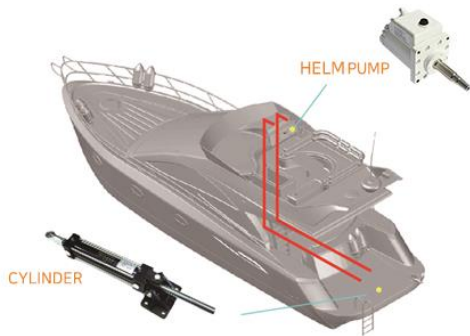
Terminal Eye
NO.10-32 UNF
DIA 24.5 X 32.1 MM
(Plastic)
Code: **13-00009**



Terminal Eye
NO.10-32 UNF
DIA 25.0 X 32.4 MM
(Aluminum)
Code: **13-00008**

Engine

Hydraulic Steering Inboard



If Steering wheel is rotated in clock wise, oil is pump out from the port (right port from the front view) into the port of cylinder (starboard side)

This cause the cylinder rod move to forward, which move the boat rudder to right side (starboard) Oil displaced from the opposite end of the cylinder flows back to the helm pump.

For steering in the opposite direction, simply turn the helm pump the other way.

When no course corrections are required, the inbuilt lock valve holds the rudder stationary.

Helm Pump

SS 304 SHAFT

Adjustable Displacement from 48cc to 85cc for HP4590T

Fixed Displacement for NSH helm pump

Lock Valve Inbuilt

Mounting Hardware and steering wheel mounting hardware supplied as standard

Interconnecting ports for dual stations of steering



Cylinder



- Stainless steel Rod-end
- Aluminum with anodized Cylinder tube
- Brass, Black Color Bracket
- Stainless steel, Chrome plated shaft

Steering Kits

Model	Description
110-00024 Helm Pump	Front Mount Helm pump 25cc
110-00034 Cylinder	Front Mount Outboard cylinder. When ordering, specify the engine model.
110-00035 Hydraulic Oil	Hydraulic oil 1-liter x 2 bottles. SAE NO 15.
110-00036 Hydraulic Hose	Hydraulic Hose 3/8, 7-meter x 2pcs
Accessories included	Helm pump fittings, Helm pump mounting hardware kit, Accessories kit OAK-100 (Bleed tube, Funnel, Oil supply tube)
The Steering Wheel is not included in the package.	



Hydraulic Steering Inboard Application Guide

Image	Complete	System Basic Recommend		Wheel Turns	Recommend		Suitable
	Model	Components			Torque	Engine Power	Steering Wheel
		CYLINDER	HELM PUMP	Lock to Lock	KGF.M	HP	Dimension
	110-00001	110-00039	110-00023	5.5	34	75	350 mm
	110-00002	110-00013	110-00040	6.7	48	75	350 mm
	110-00003	110-00014	110-00025	7.1	61	110	350 mm
	110-00004	110-00037	110-00026	7.1	75	110	395 mm
	110-00005	110-00016	110-00027	7.7	96	140	395 mm
	110-00006	110-00017	110-00028	9.3	117	180	395 mm
	110-00007	110-00037	110-00028	3.1~5.5	118	180	600 mm
	110-00008	110-00016	110-00038	4.0~7.0	151	250	600 mm
	110-00009	110-00017	110-00038	4.8~8.6	185	250	600 mm
	110-00010	110-00021	110-00038	7.1~12.5	270	250	600 mm
	110-00011	110-00022	110-00038	8.6~15.3	329	350	600 mm

Fuel Filters



Double Fuel Filter

Double fuel filter with settling bowl and bleeding screw complete with interchangeable cartridge for engine max 3500cc. Pressured casted light alloy body. Max allowed flow 50 lt./hour.
Code: **114-00022**



Single Fuel Filter

Single fuel filter with settling bowl and bleeding screw complete with interchangeable cartridge for engine max 3500cc. Pressure casted light alloy body. Max allowed flow 50 lt./hour.
Code: **114-00023**



Single Fuel Filter

Single fuel filter with settling bowl and bleeding screw complete with interchangeable cartridge for engine max 3500cc. Pressure casted light alloy body max allowed flow 50 lt./hour.
Code: **114-00024**



Fuel Decanter

Fuel decanter with transparent bowl and bleeding screw. Pressure casted light alloy body. Flow capacity 100 lt./hour. For engines over 2500 cc.
Code: **114-00025**

Battery Boxes & Trays



Battery Box Up To 80Ah

Designed for small batteries. Complete with fastening strap and hasp.
External dimensions (L x W x H) : 340 x 230 x 250 mm
Internal dimensions (L x W x H) : 280 x 195 x 230 mm
Code: **22-01129**



Battery Box Up To 100Ah

Acid resistant polypropylene. Comes with strap.
External dimensions (L x W x H) : 431 x 257 x 256 mm
Internal dimensions (L x W x H) : 339 x 199 x 224 mm
Code: **22-01002**



Battery Box Up To 120Ah

Acid resistant polypropylene. Comes with strap and inside partition.
External dimensions (L x W x H) : 470 x 225 x 255 mm
Internal dimensions (L x W x H) : 385 x 175 x 225 mm
Code: **22-00166**



Battery Box Up To 120Ah

External dimensions (L x W x H) : 520 x 270 x 270 mm
Code: **114-00026**



Strap for Fuel Tank/Battery Box Fixing, Length 1,30m
Code: **22-00467**



Bracket for Battery Box/Fuel Tank, with Strap 1,50m
Code: **22-00468**



Universal Base with Strap, 280mmx178mm
Code: **22-00469**

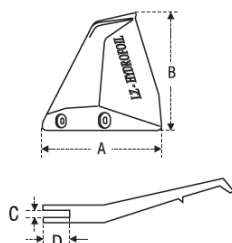
Trim Tabs

LZ-Hydrofoil

The LZ torque control system ensures the ultimate in precise and effortless steering.

Features

- Lower fuel consumption
- Straight tracking
- Excellent steering at low speeds
- Smoother ride
- Maximum lift
- Reduced planning time
- Increased stability
- Reduced cavitation
- Effortless installation
- Stainless mounting hardware included



- Secure mounting with bolts.
- For use on outboard motors.

Code	22-00007	22-00008
For Engines	4HP to 50HP	50HP and over
A (mm)	185	270
B (mm)	180	240
C (mm)	5	7
D (mm)	23	30

Boat Care

Boat Buddy

All Over Boat Wash

Code	16-00001
------	----------



- Removes black streaks, grease, oil, algae, soot, fuel spillage and dirt and surface staining.
- Strips off all old wax polish.
- Can be used neat for stubborn stains or heavily diluted for light stains.
- Highly concentrated 1 liter of product makes up to 50 liters of boat cleaning wash.
- Non-Caustic.
- Bleach and acid free.

Gelcoat Stain Remover

Code	16-00002
------	----------



- Removes yellow/brown waterline stains, rust stains, bird lime, lime scale and other ingrained dirt and staining.
- Gel formula for easy application to vertical surfaces.
- Magically absorbs stains.
- Simply paint on – leave for 30- 60 minutes and rinse!! NO hard rubbing or scrubbing.
- Contains NO harsh caustics, bleaches, oxalic, muratic or hydrochloric acids.

Premium Boat Wax

Code	16-00003
------	----------



- Using the latest nano technology, seals & protects surfaces against further staining and weather damage.
- Contains "Montan" for a superior finish, then conventional waxing, no back breaking muscle aching buffing.
- Lasts up to 5 times longer than conventional wax.
- Polishes to a high gloss shine.
- Easy to apply.
- Contains premium UV inhibitors.

Premium Boat Polish with Wax

Code	16-00004
------	----------



- Using the latest nano technology, helps restore color, gloss and luster to dull faded fiberglass and painted surfaces.
- Removes light/medium oxidization
- Contains "Montan" for a superior finish, sealing and protecting against further staining and weather damage.
- Lasts up to 5 times longer than conventional wax polishes.
- Contains premium UV inhibitors.

Boat Wash with Wax

Code	16-00005
------	----------



- Cleans and protects between full valets.
- PH neutral – non-streaking formula.
- Contains liquid waxing agent to protect the surface.
- Repels water and dirt effortlessly.
- Will not remove protective wax coating on surfaces.
- Highly concentrated, 1 liter of product makes up to 100 liters of Boat Wash.
- Non-Caustic.
- Bleach and acid free.

Interior Cleaner & Deodorizer

Code	16-00006
------	----------



- Breaks down and dissolves oil, grease, diesel and general unwanted bilge contents.
- Cleans bilges, engine bays, lockers, galleys, heads and all interior surfaces.
- Deodorizes and leaves pleasant citrus fragrance.
- Self-cleans with the motion of the boat if left in the bilge.
- Highly concentrated, 1 liter of product makes 50 liters of bilge cleaner.
- Non-Caustic.
- Bleach and acid free.

Sail & Cover Cleaner

Code	16-00007
------	----------



- Removes: Algae, dirt, grease, soot and most other stains.
- Effectively cleans all sails, covers and fabrics.
- Highly concentrated, 1 liter of product makes up to 50 liters
- Can be used neat for stubborn stains or heavily diluted for light staining.
- Non-Caustic.
- Bleach and acid free.

Rib Tube Cleaner

Code	16-00008
------	----------



- Effortlessly and effectively cleans dirt and grime from Hypalon and PVC RIB tubes.
- Cleans fenders, mooring buoys and vinyl covers.
- Can be used neat for stubborn stains or heavily diluted for light cleaning.
- Highly concentrated, - liter of product makes up to 50 liters of RIB Cleaner.
- Non-Caustic.
- Bleach and acid free.

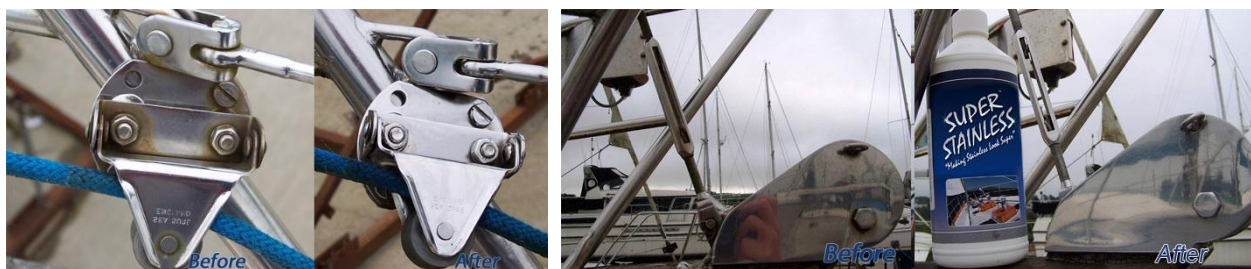


Super Stainless Cleaner	
Code	Package
16-00009	1000 liters
16-00010	500 liters

"Super Stainless", Stainless Steel Cleaner and Protector – the easy and effective way to remove unsightly rust staining and corrosion from your stainless steel leaving your stainless spotless.

Contrary to widespread belief stainless steel is not actually stain free and rust staining and corrosion can, and does, occur on the surface.

Super Stainless, a water based, non-toxic, biodegradable, stainless steel cleaning solution, is specifically formulated to remove those unsightly rust stains and corrosion from your stainless fittings, cleaning and protecting them from further attack on board your boat. Super Stainless™, stainless steel rust remover, is simple and easy to use and leaves your stainless spotlessly clean and protected.



Grunt Boat Cleaner	
Code	Package
16-00011	1000 liters
16-00012	500 liters

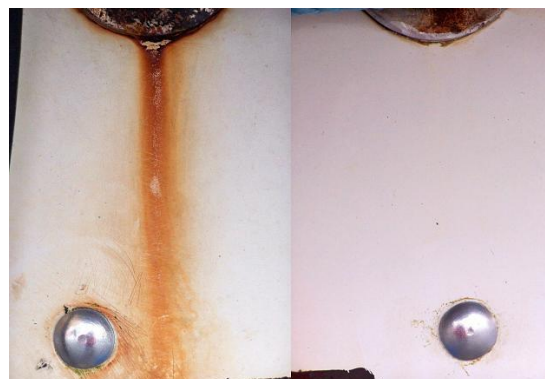
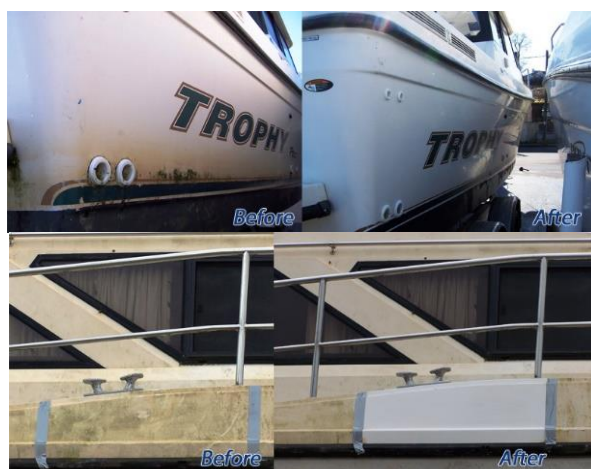
Grunt boat cleaner is specifically designed to make cleaning those nasty stains from your boat an easy task, so easy in fact you won't believe it!

Grunt boat cleaner penetrates into the pores of the gelcoat and using a chemical reaction gently neutralizes and magically absorbs the staining without affecting the gelcoat in any way. The stain can then be simply washed off with a sponge and water.

To use Grunt Boat Cleaner simply apply to the stained area with a paint brush – wait 20 – 30 minutes or so, longer in colder weather, while Grunt does the hard work, magically neutralizing and absorbing the stain and rinse off with a sponge and fresh water, it really is that simple!!!

Whilst primarily designed for use on fiberglass boats Grunt boat cleaner is also works brilliantly on most two-part marine paint systems and yacht enamels typically used on steel or timber boats.

Watch this short video to see for yourself the amazing power of Grunt! Boat Cleaner



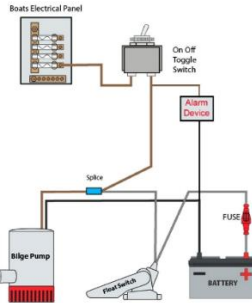
Plumbing & Ventilation

Marine Pumps and Accessories

Bilge Pumps and Float Switches

Bilge pumping systems including automatic and non-automatic bilge pumps, switches and control. A complete selection of pumps is available for fishing boats, pleasure boats, cruisers, yachts, and commercial boats.

- Affordable prices
- 100% tested in our manufacturing facilities
- Compact, efficient, long life motors.
- Ability to run dry for short periods.
- Easy clean snap-lock strainer bases.
- Stainless steel shafts AISI 316
- Completely submersible.
- Marine grade blocked wiring.
- Rust and corrosion protection.
- Silent and vibration less operation.
- CE and ISO 8844 certification.
- Ignition protection.



Float switch 108

Free switch with SNAP movement with over 500,000 on/off ISO8846 MAX. 15A/12V Weight 0.09kg Dim 7x5x12.5cm Code: 11-00241

2 YEARS WARRANTY



Float switch 109

Free switch with SNAP movement with over 500,000 on/off ISO8846 MAX. 15A/12V Weight 0.02kg Dim 9x9x15.5 cm Code: 11-00242

2 YEARS WARRANTY



Submersible Bilge Pumps

Code	Mod.	Volt	Amp	Flow per min	Flow 1mt/min	Hose Connection	Dimension
11-00077	300 GPH	12	1.8	27	22	19	75x93mm
11-00078	750 GPH	12	3	50	40	19	75x105mm
11-00079	750 GPH	24	2	50	40	19	75x105mm
11-00075	1100 GPH	12	4	75	65	29	120x145mm
11-00076	1100 GPH	24	2.5	75	65	29	120x145mm



Digital sensor switch

Totally sealed detecting sensors are never in contact with water. MAX15A/12V or 24V Code: 11-00240



Automatic Bilge Pumps

Code	Mod.	Volt	Amp	Flow per min	Flow 1mt/min	Hose Connection	Dimension
11-00082	500 GPH	12	1.8	32	25	19mm	151x78x95mm
11-00083	750 GPH	12	2.7	50	42	19mm	151x78x95mm
11-00084	750 GPH	24	1.5	50	42	19mm	151x78x95mm
11-00080	1100 GPH	12	4	75	65	29mm	151x78x95mm
11-00081	1100 GPH	24	2.5	75	65	29mm	151x78x95mm



AGC(3AG) Fuses

Code: 14-00001



ATE Fuses

Code: 14-00009



ATP/ATO/ATC BLADE FUSE F-ATP-5A Code: 14-00018



ATP/ATO/ATC BLADE FUSE (LAMP) F-ATPL-5A Code: 14-00024



Heavy Duty Bilge Pumps with Non-Return Valve

Code	Mod.	Volt	Amp	Flow per min	Flow 1mt/min	Hose Connection	Dimension
11-00020	1750 GPH	12	6	110	85	1"1/4 1"1/2	170X158X130mm
11-00021	1750 GPH	24	3	110	85	1"1/4 1"1/2	170X158X130mm
11-00022	2250 GPH	12	8	140	120	1"1/4 1"1/2	170X158X130mm
11-00023	2250 GPH	24	4, 5	140	120	1"1/4 1"1/2	170X158X130mm

In-Line Fuse Holder

Code: 14-00018



In-Line Fuse Holder

Code: 14-00024



Heavy Duty ON-OFF Toggle Switch Code: 14-00167 SPST Type



Rubber Boot Code: 14-00076 Water-Dust Proof

Bilge Pump Switch Panel IP66 Water Resistant Code: -00095 ON-OFF-ON Code: 14-00096 ON-OFF-(ON)



Bilge Pump Switch Panel With Alarm Visual and audible alarm 85dB Siren IP67 Water Resistant Code: 14-00318 ON-OFF-ON Code: 14-00319 (ON)-OFF-ON



Switch With Laser Etched Actuator Code: 14-00248 ON-OFF Code: 14-00249 (ON)-OFF



Three Way Bilge Switch Control Switch for manual or automatic bilge pumping. LED indicator. Fuses Included. Code: 11-00016



Battery Switch Heavy Duty Switch for switch from No1 to No2 or both. 6V - 12V - 32V Con. 250A Int. 300A Dia Ø145x67 mm. Code: 11-00239



Grey & Black Diaphragm Water Pumps

A modern diaphragm pump that can be set up in several applications and with different pump motor configurations. It is easy to install as a bilge pump in any leisure craft or anywhere after the drain outlet in the waste water system or directly in the Matromarine waste water tank. No filters required, the pump can run dry, and can also handle a mixture of air and water without difficulty. Perfect for installation in tight spaces, the Laguna shower drain pump can be incorporated into a small boat bilge space. Available in version with double 19/25 mm port connection and 38 mm port connection. 38 mm version is equipped with straight and 360 degrees angled rotational port connection.



- Compact and simple design
- Flexible installation
- No filter required
- Can run dry.
- Can pump air/water mixture
- Low power consumption
- Quiet operation
- Meets ISO 8846 EN55014 Standards
- 360° rotational pump body
- Double non-return valve.

Code	Volt	Amp	Flow LPM per min	Flow LPM 1.5 MT	Hose Connection (mm)	Dimension (mm)
11-00276	12	4.5	22	18	19-25 (GREY)	305x195x125
11-00277	24	2.5			19-25 (GREY)	
11-00272	12	6	32	26	38 (WASTE)	355x195x125
11-00273	24	3			38 (WASTE)	

Macerator Pump

Macerator with stainless steel or brass internal pump body or brass and rubber impeller discharge pump
 - self priming up to 3 mt. vertical lift.
 - 43 LPM output at 4 mt. total head
 - macerates and discharges water and waste mixtures.



Maxi Macerator Pump

Toilet waste macerator pump, 47 min. rated, can discharge tanks up to 2100 liters. Bronze pump body self-priming up to 5 mt. vertical lift.



Code	Volt	Amp	Flow	Flow 3MT	Pump Body	Dimensions	Connection IN/OUT
11-00030	12	12	43 LPM	23 LPM	Thermo-polymer/S.S.	240X130X90mm	38 Hose Barb 1 1/2"/25 mm.
11-00031	24	7	43 LPM	23 LPM	Thermo-polymer/S.S.	240X130X90mm	
11-00027	12	12	43 LPM	23 LPM	Bronze	240X130X90mm	
11-00026	24	7	43 LPM	23 LPM	Bronze	240X130X90mm	
11-00028	12	14	47 LPM	33 LPM	Bronze	270X130X90mm	
11-00029	24	8	47 LPM	33 LPM	Bronze	270X130X90mm	

Deck pumps

Ideal for deck washing, bilge pumping and pressurized systems Self priming up to 3/5 mt. vertical lift. All versions available upon request with super nitrile impeller.



Code	Model	Volt	Amp	Flow/LMP	Flow 2 MT Head/LPM	Hose Connection (mm)	Dimension (mm)	Pump Body
11-00258	Eco	12	8	30	23	19 mm	160x120x90	Thermo-polymer
11-00259		24	4	30	23	19 mm	160x120x90	Thermo-polymer
11-00244	Brass	12	8	35	28	1/2" 19 mm	160x120x90	Brass
11-00245		24	4	35	28	1/2" 19 mm	160x120x90	Brass
11-00246	Maxi	12	12.5	45	39	1/2" 19 mm	180x120x90	Brass
11-00247		24	6	45	39	1/2" 19 mm	180x120x90	Brass

Diaphragm Pump

The new modern diaphragm pump that can be set up in several applications and with different pump motor configurations. It is easy to install as a bilge pump in any leisure craft or anywhere after the drain outlet in the waste water system or directly in the Matromarine waste water tank. No filters required, the pump can run dry, and also can handle a mixture of air and water without difficulty. Perfect for installation in tight spaces, the SUPERCOMPACT diaphragm pump can be incorporated into a small boat bilge space. Available in version with double 19 mm port connection and 25 mm port connection. Equipped with straight port connections.



- New Compact and simple design
- Flexible installation
- No filter required
- Can run dry.
- Can pump air/water mixture
- Low power consumption
- Quiet operation
- Meets ISO 8846 EN55014 Standards
- 360° rotational pump body
- Non-return valve.

Code	Volt	Amp	Flow/MIN	Flow 1.5 MT/MIN	Hose Connection	Dimensions (mm)
11-00278	12	4.5	22	15	19-25 (GREY)	190x245x125
11-00279	24	2.5	22	15	19-25 (GREY)	190x245x125

Plumbing & Ventilation

Marine Toilets & Accessories

Manual Toilets

Our newest design allows the boat owner or service agent to easily replace the existing toilet without having to bore new holes. Can easily substitute Jabsco, RM and many other brands. Fixing holes are same of Jabsco manual Toilet. The toilet may be mounted both above and below the waterline; the fitted pump is a self-priming one; the reversible left-handed pump mounting enables to install the toilet indifferently on both sides; waste discharge is possible both overboard and into a holding tank on board; Soft close plastic seat or wooden seat- Gross weight 10 kg.



- Kit conversions are interchangeable Jabsco, TMC, RM69, JP, etc.
- Reversible pump mounting on left or right-handed installation.
- Full sized external seal housing allows quick clean seal replacement and instant access to pump cylinder.
- Angled pump and long stroke for more comfortable operation.
- Innovative brake bushing prevents annoying leakage at the handle.
- Spray nozzle elbow and soft close seat.

Code	Bowl Type	Soft Close	Port Connections	Dimensions (Depth x Width x Height)	Spare Seats
11-00200	Space saver	Yes	inlet. 19 mm outlet 38 mm	400x450x295mm	11-00132
11-00185	Compact	Yes		400x450x340mm	11-00132
11-00184	Compact	No		400x450x340mm	11-00131
11-00188	Comfort	Yes		460x470x335mm	11-00133

Manual Pump

Code: 11-00124



Conversion Kits

for manual toilets
Code: 11-00123



Vented Loops

Port Connection 38 Code: 11-000116
Port Connection 25 Code: 11-000115
Port Connection 19 Code: 11-000114



Manual Toilet Gasket Kit

Gasket kit interchangeable as matromarine, Johnson pump for manual toilets and relative pump 11-00124
Code: 11-00179

Electric Standard Toilets

The well proven and popular electric standard toilets with combined pump unit for flushing and wasting. All metal parts and screws are in stainless steel. The base is in impact resistant material It can be installed either above or below the sea level. A special macerator pump allows the expulsion up to 3.50 m in height. Self-priming up to 1.5 mt. vertically. Equipped with seat lid and control panel. Port connections: inlet. 19mm. 3/4" and outlet 25/38mm. 1" & 1" 1/2. Space saving thanks to the possibility of rotating 90 degrees the pump and provide accessibility for servicing

Electric Standard Compact

Code	Volt	Amp	Soft close	Spare Seats	Dimensions in mm. (Depth x Width x Height) Open=height with seat open	Weight (kg)
11-00163	12	17	No	11-00131	335X420X390(675) OPEN	12
11-00164	24	8	No	11-00131		12
11-00194	12	17	Yes	11-00132		11
11-00195	24	8	Yes	11-00132		11



Conversion Kits

for electric standard
12V. Code: 11-00024
24V. Code: 11-00025



Electric Standard Comfort

Code	Volt	Amp	Soft close	Spare Seats	Dimensions in mm. (Depth x Width x Height) Open=height with seat open	Weight (kg)
11-00197	12	17	Yes	11-00133	365X460X385(730) OPEN	12
11-00198	24	8	Yes	11-00133		



All standard toilets are supplied with a one push button flushing for easiness of operation

Laguna Electric Standard

Code	Volt	Amp	Soft close	Spare Seats	Dimensions in mm. (Depth x Width x Height) Open=height with seat open	Weight (kg)	Conversion kit
11-00182	12	24	Yes	11-00132	340X405X410(720) OPEN	18	11-00042
11-00183	24	12	Yes	11-00132			11-00043



Luxury Low

Code	Volt	Amp	Soft close	Spare Seats	Dimensions in mm. (Depth x Width x Height) Open=height with seat open	Weight (kg)	Conversion kit
11-00171	12	30	Yes	11-00134	365X455X385(790) OPEN	20	11-00036
11-00172	24	15	Yes	11-00134			11-00037



Luxury Low Bevelled

Code	Volt	Amp	Soft close	Spare Seats	Dimensions in mm. (Depth x Width x Height) Open=height with seat open	Weight (kg)	Conversion kit
11-00173	12	26	No	11-00315	365X455X385(790) OPEN	21	11-00034
11-00174	24	13	No	11-00315			11-00035



Luxury Standard

Code	Volt	Amp	Soft close	Spare Seats	Dimensions in mm. (Depth x Width x Height) Open=height with seat open	Weight (kg)	Conversion kit
11-00175	12	30	Yes	11-00134	365X455X455(860) OPEN	22	11-00036
11-00176	24	16	Yes	11-00134			11-00037



Electric Evolution Toilets

Matromarine has realized a range of toilets where performance, reliability, noise level and design have really reached the highest standards. The running cycle is completely automatic and eliminates wastewater through a high-performance pump that allows drainage of waste up to 4 m. in height and at a distance of 40 m. New flush pump integrated in the whole kit with 360° orientable discharge port connection 1" and 1 1/2". Noise level is optimized against the standard electric toilets and reduced up to 30% lower while performance is increased of 50%. A special new duck valve on the discharge port connection prevents any return of black water.



- Combined pump unit for flushing and wasting
- Extremely silent operation
- New high-performance discharge pump
- Kit conversions are interchangeable with Jabsco, TMC, RM69, SPX etc.
- Reversible pump mounting on left or right-handed installation
- All corrosion resistant material for marine use.
- Spray nozzle elbow and soft close seat

Conversion Kits

For electric evolution
12V. Code: **11-00069**
24V. Code: **11-00070**



Code	Bowl Type	Volt	Amp	Soft close	Spare Seats	Dimensions in mm. (Depth x Width x Height) Open=height with seat open	Weight (kg)	Hose Connection (Orientable 360°)
11-00127	Compact	12	17	Yes	11-00132	335X420X390(670) OPEN	10	25 MM, 38 MM
11-00128	Compact	24	8	Yes	11-00132			
11-00129	Comfort	12	17	Yes	11-00133	365X460X385(730) OPEN	11	
11-00130	Comfort	24	8	Yes	11-00133			
11-00126	Space Saver	12	19	Yes	11-00132	365X460X325(670) OPEN	9	

Electric Toilet Silent: flush pump or electro valve needs to be ordered apart

This hydro vacuum toilet can use an automatic water system or a flush pump installed onboard for water inlet. It is fitted with an electronic switch to regulate automatically water inlet and outlet at 2 different stages: first the bowl is filled up with clear water, and then waste is discharged by leaving the bowl empty and clean. The Luxury and Deluxe model toilets can be installed indifferently with a centralized system or with a single system. Deluxe can also operate as a bidet: in fact, it is possible to supply it equipped with an optional bidet fitting. The water consumption is very low (about 1 – 2.5). Flush pump or electro valve to be ordered apart. Upon request bowls are available in the following colors: champagne - light green - black -blue. Port connections: Inlet. 19mm. 3/4", Outlet 25/38 1"1/2"

Electric Silent Compact

Code	Volt	Amp	Soft close	Spare Seats	Dimensions in mm. (Depth x Width x Height) Open=height with seat open	Weight (kg)	Conversion kit	Bidet Fitting
11-00186	12	17	Yes	11-00132	335X420X390(670) OPEN	10	11-00073	No
11-00187	24	8	Yes	11-00132			11-00074	

**Electric Silent Comfort**

Code	Volt	Amp	Soft close	Spare Seats	Dimensions in mm. (Depth x Width x Height) Open=height with seat open	Weight (kg)	Conversion kit	Bidet Fitting
11-00189	12	17	Yes	11-00133	365X460X385(730) OPEN	11	11-00073	No
11-00190	24	8	Yes	11-00133			11-00074	

**Laguna Electric Silent**

Code	Volt	Amp	Soft close	Spare Seats	Dimensions in mm. (Depth x Width x Height) Open=height with seat open	Weight (kg)	Conversion kit	Bidet Fitting
11-00191	12	19	Yes	11-00132	340X405X410(720) OPEN	18	11-00046	No
11-00192	24	10	Yes	11-00132			11-00047	

**Luxury Low Silent**

Code	Volt	Amp	Soft close	Spare Seats	Dimensions in mm. (Depth x Width x Height) Open=height with seat open	Weight (kg)	Conversion kit	Bidet Fitting
11-00307	12	30	Yes	11-00134	365X455X385(790) OPEN	20	11-00049	No
11-00308	24	16	Yes	11-00134			11-00050	

**Luxury Standard Silent**

Code	Volt	Amp	Soft close	Spare Seats	Dimensions in mm. (Depth x Width x Height) Open=height with seat open	Weight (kg)	Conversion kit	Bidet Fitting
11-00169	12	30	Yes	11-00134	365X455X455(860) OPEN	21	11-00049	No
11-00170	24	16	Yes	11-00134			11-00050	

**Luxury Low Bevelled Silent**

Code	Volt	Amp	Soft close	Spare Seats	Dimensions in mm. (Depth x Width x Height) Open=height with seat open	Weight (kg)	Conversion kit	Bidet Fitting
11-00309	12	25	Yes	11-00134	365X455X385(720) OPEN	20	11-00073	No
11-00310	24	13	Yes	11-00134			11-00074	

**Deluxe Standard Silent**

Code	Volt	Amp	Soft close	Spare Seats	Dimensions in mm. (Depth x Width x Height) Open=height with seat open	Weight (kg)	Conversion kit	Bidet Fitting
11-00177	12	25	No	11-00135	365X455X455(840) OPEN	21	11-00049	11-00137
11-00178	24	13	No	11-00135			11-00050	11-00137



All silent toilets are supplied with IC. Intelligent control system panel 3 function control: Before use, after use, Short use and a Trimmer to regulate flow rate from 1 to 5 liters.



Alternatively, A Rocker switch with Carling components can be supplied



Bidet system mixer tap ONLY for deluxe bowls.

Flush Pump with Diaphragm



Code	Volt
11-00001	12
11-00002	24

Newest generation of silent pumps equipped with 4 diaphragms Indispensable equipment to supply water on all series of electrical silent toilets. Delivery: 12 liters

Inlet Electro Valve

For centralized system with fresh water



Code	Volt
11-00180	12
11-00181	24

Port Connection 1/2 mm hose can be ordered together with all series of electrical silent toilets.

Control Panels for Toilets



Code	Description
11-00092	For electric standard toilets (manual operation)
11-00168	For electric silent toilets (automatic operation) with IC control system and level indicator, extra slim and compatible with frames LEGRAND Vela/Cross
11-00167	For electric silent toilets "Carling" rocker switch (manual operation)
11-00015	probes for level indicator
11-00166	For electric standard with level indicator

Bidet

The new line of fitted design bowls in vitreous china makes this bidet very comfortable and at the same time smart and nice to be seen, just like a home bidet. Matromarine also manufactures three models of separate bidets designed to match Matromarine deluxe and luxury toilets and to be a complement to any marine bathroom. Same dimension of the luxury toilets. Delivered without tap. Fresh water is supplied through a swivel-nozzle fitted into a space in the appliance.



Code	Bowl Type
11-00140	Bidet low bevelled
11-00141	Bidet standard
11-00142	Bidet standard bevelled

Faucets



Case with Mixer Tap

Code	Water Tap	Connector	Cover Color
22-00753	Mixer	20 cm 3-hose connectors	White



Mixer Water Tap (Cold/Hot)

Code	Connector	Color
22-00731	20 cm 3-hose connectors	Chrome

Showers & Accessories



Shower Hose Braid 1/2"-3/8"

Code	Hose (m)
22-00730	3
22-01013	5



Shower Head, ABS, Short 1/2" threaded shower head with trigger.

Code	Color
22-01127	Chrome
22-00729	White



Shower Head, ABS, Long 1/2" threaded shower head with trigger.

Code	Color
22-01126	Chrome
22-00742	White



Shower Head with Hose For flush mount installation on the deck or as transom shower.

Code	Hose (m)
22-00875	3
22-00876	5



Case for Shower Head, Round, with lid

Code	Color
22-00279	White
22-00732	Chrome



Case for Shower Head, Square, with lid

Code	Color
22-00258	White



Cases with Shower Spray and Lid

Code	Color	Hose
22-00735	White	3 m.
22-00736	Chrome	3 m.



Case Side-Mount, with Shower

Code	Water Tap	Lid	Hose (m)	Cover Color
22-01123	Mixer	Yes	3	White
22-01124	Mixer	Yes	5	
22-00540	No	No	3	
22-00541		No	5	
22-01104		Yes	3	Cream
22-01105		Yes	5	
22-00779		No	5	Cream



Cases with Mixer Tap with Lid

Code	22-01087	22-01090
Case Size	95x95 mm.	95x95 mm.
Color	White	Beige



Case with Shower & Mixer Tap and Lid with Gasket

Code	Hose (m)	Color
22-01094	3	White
22-01095	5	
22-01096	3	Cream
22-01097	5	

Water & Waste tanks

Flexible Water Tanks, grey

The flexible water tanks will solve the problem of storing water in your boat. The tanks are supplied with already welded Tank Fittings' adapter and two Elbow Fittings (inlet/outlet) with moveable Thread Tightening Ring for maximum sealing. They are easy to store and use. This flexible water tanks are available in 6 Rectangular Sizes as well as in 2 Triangular designed tank sizes.



Code	Dimensions (cm)	Capacity (lt)
22-00206	74x60	55
22-00209	74x125	120
22-00213	74x150	150
22-00212	74x170	200



Code	Dimensions (cm)	Capacity (lt)
22-00210	86x21x93	55
22-00211	108x21x108	100

Water Tank with Shower

Complete shower kit ready to use contains:

- Water tank capacity lt. 39 - lt. 57
- Pump capacity 4 l/min 12 volts



- Shower with hose length 5 mt.
- Shower holder for deck mounting.

Code	114-00017	114-00018
Capacity (lt.)	39	57
Pump Capacity l/min	4	4
Volt	12	12
Length	550 mm.	550 mm.
Height	200 mm.	200 mm.
Width	390 mm.	390 mm.

Thru-Hull Fittings

Thru-Hull with Flush Flange Threaded

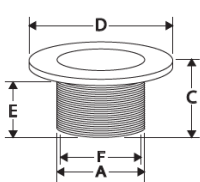
Code	Color	Thread Ø A (inch)*	Overall length C (mm)	Flush Flange Ø D (mm)	Thread Length E (mm)	Int. Ø F (mm)	Material	Optional plug
22-00621	White	1/2"	75	42.8	70	16	PA	-
22-00102	White	3/4"	77	44	70	19	PA	-
22-00622	White	3/4"	81	50.3	75.5	18	PA	-
22-00623	White	1"	93	62	86.4	24	PA	22-00694
22-00624	White	1 1/2"	103	76	95.7	35	PA	22-00690

Thru-Hulls with Flush Flange and Hose Barb

Code	Color	Thread Ø A (inch)*	Hose Ø B (mm)	Overall length C (mm)	Flush Flange Ø D (mm)	Thread Length E (mm)	Material	Optional plug
22-00615	White	5/8"	15	75	43	40	PA	-
22-00616	White	3/4"	18	80	51	43	PA	-
22-00617	White	1"	25	94	62	45	PA	22-00694
22-00619	White	1 1/4"	32	102	76	55	PA	22-00690
22-00620	White	1 1/2"	32	102	76	65	PA	22-00690
22-00618	White	1 1/2"	40	102	76	55	PA	22-00690

Thru-Hull Easy Mount Threaded with Hose Barb

Code	Color	Thread Ø A (inch)*	Hose Ø B (mm)	Overall length C (mm)	Flush Flange Ø D (mm)	Thread Length E (mm)	Material	Optional plug
22-00168	White	3/4"	20	45	35	15	PA	-
22-00271	White	7/8" (30mm)	35	80	53	39	PA	22-00689
22-00169	White	1 1/4"	28/35	125	61	45	PA	-
22-00157	White	1 1/2"	38 or 1 1/4" seacock	121	70	50	PA	-



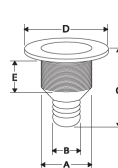
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22-00271**



22-00169



22-00157



**Thru-Hulls
with Flush
Flange and
Hose Barb**



22-00694



22-00690



22-00689

Plumbing & Ventilation

Thru-Hull Fittings

Thru-Hulls with Flush Flange and Hose Barb

Code	Color	Thread Ø A (inch)*	Hose Ø B (mm)	Overall length C (mm)	Flush Flange Ø D (mm)	Thread Length E (mm)	Material	Optional plug	Optional Non-Return Valve
22-00009	White	1"	19	81	45	36	PP	22-00694	-
22-00010	White	1"	25	81	45	36	PP	22-00694	22-00725
22-00011	White	1 1/2"	32	98	73	50	PP	22-00693	22-01260
22-00012	White	1 1/2"	42	93	73	48	PP	22-00693	22-01260
22-00015**	White	1 1/2"	32	93	73	50	PP	-	-
22-00016**	White	1 1/2"	42	93	73	48	PP	-	-

**with non-return valve



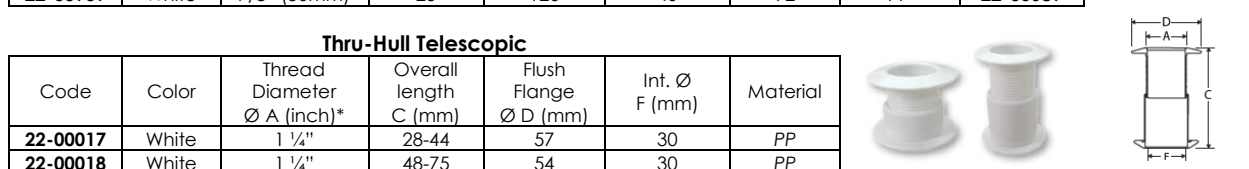
Thru-Hulls with Flush Flange and Hose Barb

Code	Color	Thread Ø A (inch)*	Hose Ø B (mm)	Overall length C (mm)	Flush Flange Ø D (mm)	Thread Length E (mm)	Material	Optional plug	Optional Non-Return Valve
22-00221	Black	1 1/2"	42	94	73	50	PP	22-00693	22-01260



Thru-Hulls Threaded with Standard Flange and Hose Barb

Code	Color	Thread Diameter Ø A (inch)*	Hose Ø B (mm)	Overall length C (mm)	Flush Flange Ø D (mm)	Thread Length E (mm)	Material	Optional plug
22-00939	White	7/8" (30mm)	25	126	40	92	PP	22-00689

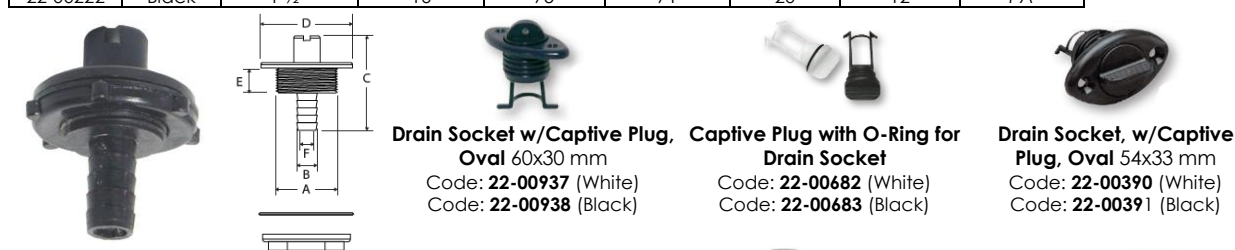


Thru-Hull Telescopic

Code	Color	Thread Diameter Ø A (inch)*	Overall length C (mm)	Flush Flange Ø D (mm)	Int. Ø F (mm)	Material
22-00017	White	1 1/4"	28-44	57	30	PP
22-00018	White	1 1/4"	48-75	54	30	PP

Thru-Hull Outlet

Code	Color	Thread Diameter Ø A (inch)*	Hose Ø B (mm)	Overall length C (mm)	Flush Flange Ø D (mm)	Thread Length E (mm)	Int. Ø F (mm)	Material
22-00222	Black	1 1/2"	16	75	71	20	12	PA



Non-return Valves

Lalzas non-return valves are ideal for use with all the "Zero Aqua Plus" bilge pump series. They feature a quick release clip, allowing you to service them easily and quickly. They are available as in-line units or with a 90° curve. Finally, its outlet connection allows the use of either a 3/4 to 1" or a 1 1/4" to 1 1/2" hose.

Code	22-00215	22-00216	22-00217	22-00218	22-00219
Hose Outlet	1"	3/4" - 1"	3/4"	1 1/2"	1 1/2" - 1 1/4"
Hose Inlet	3/4" - 1"	3/4" - 1"	3/4" - 1"	1 1/2" - 1/4"	1 1/2" - 1 1/4"
Angle	90°	Inline	90°	90°	Inline

Ventilators



Ventilation Shaft Grilles Cover

Code	Color	Dimensions (mm)
22-00739	White	92 x 92
22-00799		118 x 118



Ventilation Shaft Grilles Cover

Code	Color	Ø (mm)
22-00093	White	85
22-00106	Grey	85
22-00107	Black	85



Ventilation Shaft Grilles Cover

Code	Color	Dimensions (mm)
22-00108	Black	200 x 100
22-00167	White	200 x 100



Ventilation Shaft Grilles Cover

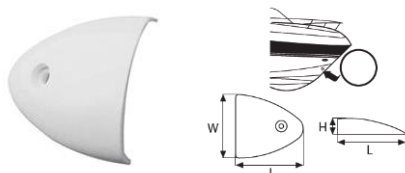
Code	Color	Dimensions (mm)
22-00740	White	206 x 106



Ventilation Shaft Grilles, Double

Connects two ventilation exhausts behind one single louvred vent.

Code	Description	Color	Dimensions (mm)
22-00573	Detachable double ventilation - Polyamide	White	255 x 115
22-00574		Black	255 x 115



Ventilation Clam Shell Cover, white

L55mm x W50mm x H12mm

Code: 22-00230



Ventilation Clam Shell Cover

For additional protection against heavy water intrusions. Suitable for 3" and 4" ventilators. To be fixed on top of the ventilator with 3 nylon fasteners. Made from polyamide, shock and UV-resistant. Compatible with common sealants and impervious to acetic acids. (215x180x70 mm). Code: 22-00848

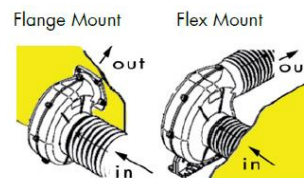
Ocean Marine Blowers

Centrifugal Blowers

We manufacture a wide selection of marine blowers for marine engine compartments in strong nylon PA6 material homologated by R.I.N.A. and with different capacities from 280 m3 to 1000 m3 per hour. Screws and shaft in stainless steel. Flex mount and very strong dynamic flange mount. Low current draw. Continuous duty. Best ratio on the market between volume air flow and compact size. All models are ignition protected ISO 8846. Complying with ISO 8849, EN 55014, ISO 10133.



Code	Model	Volt	Amp	Capacity MCH/CFM	Port Connections	Dimensions in mm. (Large x Length x Height)
11-00053	FLANGE 6"	12	10	750/441	Inlet: 150 mm Outlet: 103 mm	290 x 257 x 170 mm
11-00054	FLANGE 6"	24	5	750/441		



Inline Series

A modern range of inline blowers utilizing advanced fan blade design technologies suitable for bulkhead mounting and for receiving 178 mm. diameter hoses. The first vane axial-flow bilge blowers designed using aerospace technology to maximize performance. No other bilge blowers on the market provides such a powerful system output at such a low power input and in so a compact size. Silent operation. For added durability, Matromarine incorporated an engineered plastic housing that withstands deformation during installation and shelters blade from housing interference. Complying with ISO 8846, EN 55014.

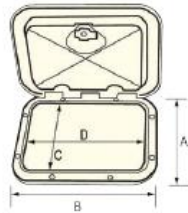
- Compact and simple design
- Flexible installation
- Low power consumption
- Quiet operation
- Meets ISO 8846 en55014 standards
- Five blade design maximizes flow and performance
- Long motor lifetime from powerful airflow cooling.



Code	Model	Volt	Amp	Capacity MCH/CFM	Usage	Port Connections	Dimensions in mm. (Large x Length x Height)
11-00061	FLANGE 7" VERSION A	12	5	750/441	Intermittent	178 mm	250 x 220 Hose: 178 mm
11-00062	FLANGE 7" VERSION A	24	2.5	750/441			
11-00067	FLANGE 7" VERSION B	12	7	1000/589	Continuous duty	178 mm	265 x 220 Hose: 178 mm
11-00068	FLANGE 7" VERSION B	24	3.5	1000/589			

Deck Hardware

Deck Plates & Hatches



**Lock and Keys for
KROME/
TOP LINE/CLASSIC
Hatch**

Code: 22-00638

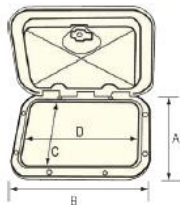
KROME Hatches with Chromed Handles ASA - UV Resistant

Code	Color	A (mm)	B (mm)	C (mm)	D (mm)	H (mm)	I (mm)
22-01130	White	270	375	183	289	200	300
22-01131		315	440	237	357	243	363
22-01132		353	606	266	520	283	530
22-01133		243	607	162	521	173	530
22-01134		370	375	283	289	300	300
22-01135		460	510	373	433	390	445



Handle

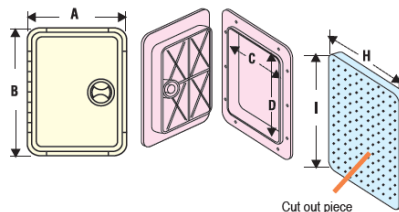
Code	Color
22-00522	White
22-00523	Grey
22-00760	Cream
22-01128	Chromed



TOP LINE Hatches ASA - UV resistant

Code	Model	Color	A (mm)	B (mm)	C (mm)	D (mm)	H (mm)	I (mm)
22-01025	Standard	White	270	375	183	289	200	300
22-01138	With Lock	White	275	375	180	280	198	298

CLASSIC Hatches ASA - UV resistant

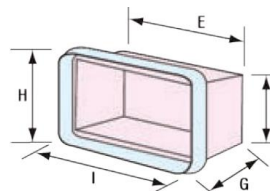
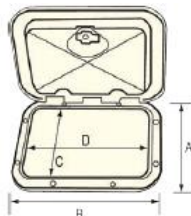


Gasket

Code: 22-00577

INDUSTRIAL Access Hatches PP - UV resistant (Inspection Hatches)

Code	Model	Color	A (mm)	B (mm)	C (mm)	D (mm)	H (mm)	I (mm)
22-00019	Standard	White	276	376	193	293	200	300
22-00049		Grey	250	606	167	524	173	530
22-00046		White	460	511	380	436	386	442



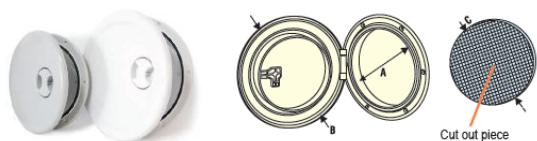
**Lock and Keys
for Inspection
Hatches**

Code: 22-00637

CLASSIC Storage Hatches ASA - UV resistant

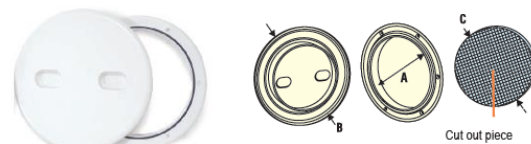
Code	Model	Color	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)
22-01139	Standard	White	275	375	180	280	270	170	160	210	305
22-01140	With Lock	White									

Deck Plates & Hatches

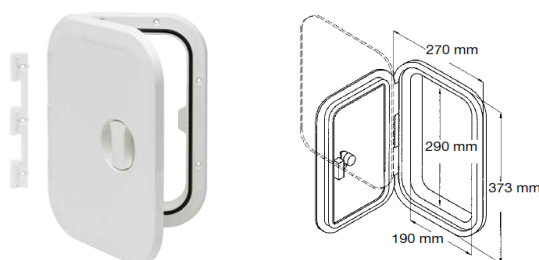


INDUSTRIAL Inspection Hatches PP - UV resistant

Code	Color	A (mm)	B (mm)	C (mm)
22-00023	White	201	280	208
22-00024	Grey			
22-00025	White	240	334	265
22-00026	Grey			

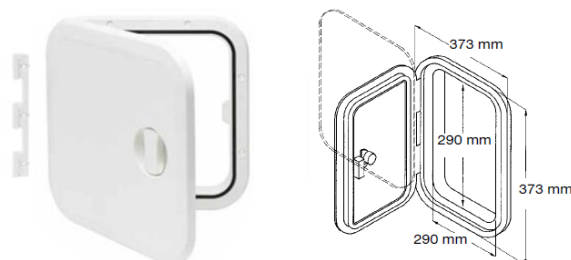
INDUSTRIAL Inspection Hatches
with Detachable Cover PP - UV resistant

Code	Color	A (mm)	B (mm)	C (mm)
22-00052	White	98	154	113.5
22-00053		122	181	141
22-00054		245	210	164



Removable Hinge "2 In 1" Hatch Cover

Code	Color
114-00019	White



Removable Hinge "2 In 1" Hatch Cover

Code	Color
114-00020	White



Fire Extinguisher Holder

Code	Internal Dimension (H x W)	External Dimension (H x W)	Depth (mm)
114-00021	370 x 120 mm	420 x 170 mm	110

Cabin & Galley

Isothermal Coolers

Portable Isothermal Cooler SeaCool

The Portable Isothermal Cooler SeaCool is suitable for all of your picnic requirements. Elegantly shaped with a practical interior design, it can be ideally used in the boat, for camping, picnic and all outdoor usage. Made of solid polyurethane foam, it features high performance insulation, in order to maintain the temperature of the contents. For even better cooling performance it is suggested to use additional ice cubes. The Portable Isothermal Cooler "SeaCool" is available in different sizes. They are equipped with large handle(s) for easy carriage and they have volume of 13lt, 48lt and 80lt.



Code	21-01591
Capacity(lt)	80
Length(cm)	82
Width(cm)	41.5
Height(cm)	40



Code	21-00707
Capacity(lt)	48
Length(cm)	63
Width(cm)	33
Height(cm)	37





Code	21-00706
Capacity(lt)	13
Length(cm)	38
Width(cm)	22
Height(cm)	37.5

Electrical

Fuses & Fuse Holder

American Standard Glass Tube Fuses

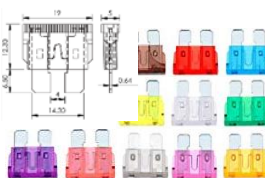
	AGC(3AG) Fuses Fast-acting
CODE	14-00001
Dimension	Ø6.3x32.0mm.
Cap Material	Nickel-Plated Brass
Max. Voltage	DC32V, AC 125V/250V
Amps	0.5A, 1A, 1.5A, 2A, 2.5A, 3A, 4A, 5A, 6A, 7.5A, 10A, 15A, 20A, 25A, 30A, 35A
Note	RoHS Compliant

	ATE Fuses Slow-blow
CODE	14-00009
Dimension	Ø6.3x32.0mm.
Cap Material	Nickel-Plated Brass
Max. Voltage	AC 250V
Amps	0.1A – 20A
Note	RoHS Compliant

Automotive Blade Fuses


ATP/ATO/ATC – Standard Blade Fuse


- Voltage Rating: DC 32V
- Transparent body for easy indication of blown fuse



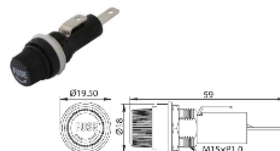
CODE	Amps	Color
14-00101	1A	Black
14-00102	2A	Gray
14-00053	3A	Violet
14-00103	4A	Pink
14-00054	5A	Tan
14-00104	7A	Brown
14-00051	10A	Red
14-00052	15A	Lt. Blue
14-00105	20A	Yellow
14-00106	25A	Natural
14-00107	30A	Lt. Green

Japanese Standard Glass Tube Fuses

	JMC Fuses Fast-acting
CODE	14-00098
Dimension	Ø6.3x30.0mm.
Cap Material	Nickel-Plated Brass
Max. Voltage	DC 21V AC 250V
Amps	0.1A – 30A
Note	RoHS Compliant

	JTG Fuses Slow Blow
CODE	14-00099
Dimension	Ø6.3x30.0mm.
Cap Material	Nickel-Plated Brass
Max. Voltage	AC 250v
Amps	0.1A – 30A
Note	RoHS Compliant

Fuse Holder with Screw Cap for
6.3x32mm AGC/ATE Fuse
6.3x30mm JMC/JTG Fuse
CODE **14-00011**





ATP/ATO/ATC Blade Fuse Block
Screws (M4) 6 Circuits

CODE	QTY	Dimension (WxLxH)
14-00332	6P	86x78x41 mm.



Mini Size Glass Tube Fuses

	GMA Fuses Fast-acting
CODE	14-00097
Dimension	Ø5.0x20.0mm.
Cap Material	Nickel-Plated Brass
Max. Voltage	AC 250V
Amps	0.1A – 20A
Note	RoHS Compliant UL/CSA <10A

	GTE Fuses Slow Bow
CODE	14-00100
Dimension	Ø5.0x20.0mm.
Cap Material	Nickel-Plated Brass
Max. Voltage	AC 250V
Amps	0.1A – 10A
Note	RoHS Compliant

Fuse Holder with Water-Resistant Screw Cap for
5x20mm GMA/GTE Fuse
CODE **14-00010**



Glass Tube Fuse Blocks

6.3x32mm AGC/ATE Fuse 6.3x30mm JMC/JTG Fuse		
CODE	QTY	Dimension (HxW)
14-00014	2P	57 x 31 mm.
14-00015	4P	57 x 62 mm.
14-00016	6P	57 x 93 mm.
14-00017	8P	57 x 126 mm.
14-00012	10P	57 x 157 mm.
14-00013	12P	57 x 188 mm.



In-Line Fuse Holder



Water-resistant In-Line Fuse Holder

CODE	Fuse	Gauge	Amp
14-00217	ATM/ASP	#12-#16	30A
14-00024	ATP/ATC/ATO	#10-#18	30A
14-00218	MAXI/ATX	#4-#6	80A

In-Line Fuse Holder Gauge #16 Length 8"
5x20mm GMA/GTE Fuse
CODE **14-00020**



In-Line Fuse Holder Gauge #14 Length 8"
6.3x32mm AGC/ATE Fuse
6.3x30mm JMC/JTG Fuse
CODE **14-00019**



In-Line Fuse Holder Gauge #16 Length 8"
6.3x32mm AGC/ATE Fuse
6.3x30mm JMC/JTG Fuse
CODE **14-00018**



In-Line Fuse Holder Gauge #14-#18 Max.20A
ATP/ATC/ATO Fuse
CODE **14-00026**



Water-resistant In-Line Fuse Holder Gauge #14-#18
Max.20A ATP/ATC/ATO Fuse
CODE **14-00025**



Water-resistant In-Line Fuse Holder Gauge #14 Length 8"
6.3x32mm AGC/ATE Fuse
6.3x30mm JMC/JTG Fuse
CODE **14-00023**



In-Line Fuse Holder with 2-pin connector (pre-wired) Standard
6.3x32mm AGC/ATE Fuse
6.3x30mm JMC/JTG Fuse
CODE **14-00022**



In-Line Fuse Holder with 3-pin connector (pre-wired)
6.3x32mm AGC/ATE Fuse
6.3x30mm JMC/JTG Fuse
CODE **14-00021**



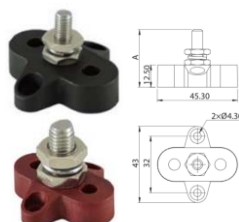
Terminal Studs & Bus Bar

Heavy-Duty Terminal Studs

- Allow terminating of heavy duty cables for one or more connections
- Red or Black colors allowing easy and clear color coding for wiring
- Heavy duty terminal studs (up to M10)
- Max. DC 48V
- Max Amp. Determined by wires connected

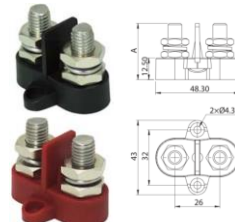
- Glass Fiber reinforced Nylon base ensures great mechanical strength and durability
- Insulated base ensures no leakage to metal hulls

Single Terminal Studs



Color	CODE	Color	CODE	Size	Height
Black	14-00028	Red	14-00324	M6 1/4"	32.5 mm.
Black	14-00029	Red	14-00325	M8 5/16"	32.5 mm.
Black	14-00027	Red	14-00323	M10 3/8"	37.5 mm.

Dual Terminal Studs with Isolating Plate



Color	CODE	Color	CODE	Size	Height
Black	14-00035	Red	14-00331	M8 5/16"	32.5 mm.
Black	14-00034	Red	14-00330	M10 3/8"	37.5 mm.

Dual Terminal Studs



Color	CODE	Color	CODE	Size	Height
Black	14-00030	Red	14-00326	M6 1/4"	32.5 mm.
Black	14-00031	Red	14-00327	M8 5/16"	32.5 mm.

Dual Terminal Studs with Connection Link



Color	CODE	Color	CODE	Size	Height
Black	14-00032	Red	14-00328	M6 1/4"	32.5 mm.
Black	14-00033	Red	14-00329	M8 5/16"	32.5 mm.

Marine Grade Bus Bars

- Glass fiber reinforced Nylon base ensures great mechanical strength and durability
- Optional transparent insulating cover with recessed area for label stickers
- Tin-plated copper bus allowing current up to 150A
- Stainless steel studs and screws provide great anti-corrosion ability in board
- Insulated base ensures no leakage to metal hulls

Single Bus Bars



CODE		14-00037	CODE		14-00036	CODE		14-00040
CODE	Studs	Screws	Length	Mounting Center	Rating	Bus Material	Cover	
14-00037	2xM6 (1/4")	6xM4(5/32")	146 mm.	101 mm.	100A	Brass	Option	
14-00036	2xM6 (1/4")	12xM4(5/32")	206 mm.	161 mm.	100A	Brass	Option	
14-00040	4xM6 (1/4")	-	146 mm.	101 mm.	100A	Brass	Option	

Dual Bus Bars

CODE	Studs	Screws	Length	Mounting Center	Rating	Bus Material	Cover
14-00039	Dual 2xM6 (1/4")	Dual 6xM4(5/32")	118 mm.	107 mm.	100A	Brass	Option
14-00038	Dual 2xM6 (1/4")	Dual 12xM4(5/32")	178 mm.	167 mm.	100A	Brass	Option



CODE 14-00039 CODE 14-00038

Heavy-Duty Modular Design Bus Bars

- Module box design for easy wiring configurations
- Robust Glass Fiber Reinforced Nylon enclosure
- All models are of the same dimensions
- 6 removable windows at 4 directions
- Black write-on space on the top allows easy labeling
- Complete product line including fuse blocks, bus bars and terminal studs

Heavy Duty Bus Bar Box

Terminal: Brass, Nickel plated
Max. V.: DC 48V
Max. A.: 300A
Terminal Stud Size: 2xM10 (3/8")
Screw Size: 6xM5 (3/16")
CODE 14-00043



Heavy Duty Dual Bus Bar Box

Terminal: Brass, Nickel plated
Max. V.: DC 48V
Max. A.: 100A
Terminal Stud Size: 4xM6 (3/8")
Screw Size: 12xM4 (3/32")
CODE 14-00044



4 Way Heavy-Duty Terminal Studs

Terminal: Brass, Nickel plated
Max. V.: DC 48V
Max. A.: 300A
Terminal Stud Size: 2xM10 (3/8")
Screw Size: 6xM5 (3/16")
CODE 14-00045

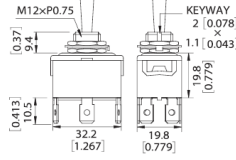
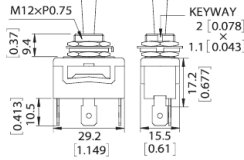


Electrical

Toggle Switch

Heavy-Duty Toggle Switch

14-00167, 14-00168, 14-00071,
14-00170, 14-00171



14-00075

Rating: DC12V 15A 24V 10A
Electrical Life: 50,000 at full load

CODE	Type	Switch Function
14-00167	SPST	ON-OFF
14-00168	SPST	(ON)-OFF
14-00071	SPDT	ON-OFF-ON
14-00170	SPDT	(ON)-OFF-ON
14-00171	SPDT	(ON)-OFF-(ON)
14-00075	DPDT	ON-OFF-ON
14-00073	SPST	ON-OFF
14-00173	SPST	(ON)-OFF

Rubber Boot

CODE
14-00046



- Waterproof, dustproof
- Screw Nuts: M12

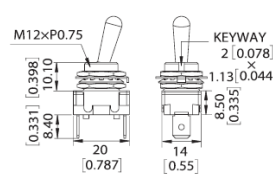
CODE
14-00076



CODE



14-00073, 14-00173



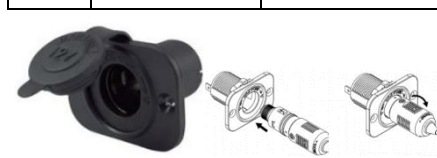
Features

- Current rating up to 15A (@12V DC)
- Robust and durable toggle design
- Available in PC (Quick) Terminal or Screw Terminals
- Series-specific nameplates and rubber boot available
- Short Body design saves mounting space (Code: 14-00073, 14-00173)

Marine Grade Cigarette Lighter Power Socket

- Fits standardize 1-1/8" cut out
- DC Power Outlet
- Panel mount and anti-splash cap available (see below)
- Flame retardant Nylon (glass fiber reinforced) enclosure
- Twist-and-Lock capability when used with AP121
- 0.250" Quick Connect Terminals
- Rating: DC 9-36V 20A

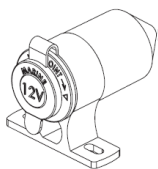
CODE	14-00003 (Black)	14-00004 (White)
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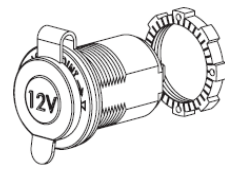
Cigarette Lighter Plug with Quick Insert-and-Lock Terminals

- Unfused
- Designed for Size A (φ21.0mm) Sockets
- Amp Rating: 10A
- "Insert-and-Lock" terminals allowing quick wire assembly (as illustrated)

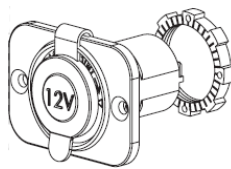
Surface Mount



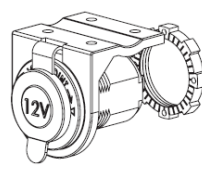
Screw Nut



Flat Panel Screw Nut



L-Shaped Panel Screw Nut



CODE

14-00002



Marine Grade USB Charger Sockets

- Fast charging at full speed (2.4A, 3.4A)
- Compatible with other smartphones
- Input: DC 12-24V (Dual Voltage)
- Output: DC 5V 2.4A / 5V 3.4A
- LED power indication
- Short circuit / overheat protection
- Water-resistant cap (IP66 when not in use)
- Flame retardant Nylon (glass fiber reinforced) enclosure
- 0.250" Quick Connect Terminals

Flush Mount Panel for Marine Sockets



(Power Outlet +
Power Outlet Gang)

Single Port USB Charger 2.4A Output

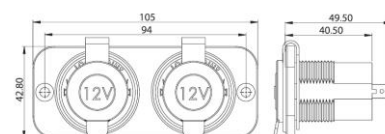
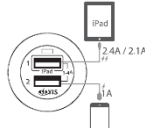
CODE	14-00005 (Black)	CODE	14-00321 (White)
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2 Port USB Charger 3.4A Output

CODE	14-00005 (Black)	CODE	14-00322 (White)
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Best Seller



Marine Switch & Panel

IP67 Water-resistant Seal Rocker Switch

- Sealed rocker switch to withstand severe outdoor environments
- Interchangeable actuators with various options
- Available in various switch function, illuminating and other configurations
- LED illuminated (DC12V/ 24V dual voltage)
- PC Terminals (0.250" Quick Connect Terminals)
- IP67: Water proof even under temporary water immersion
- Customized switches (rating, LED colors, actuator color...etc.) possible

Rating (AC) | 125V 16A / 250V 10A

Rating (DC) | 12V 20A / 24V 10A

Contact R. | 50mΩ Max.

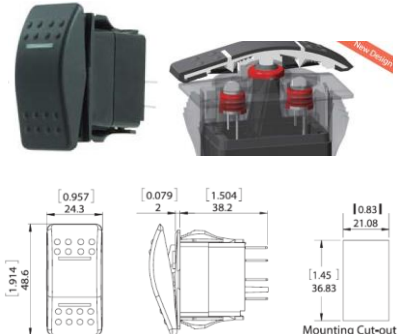
Insulation R. | DC 500V 100MΩ Min.

Dielectric Strength | AC 1500V 1minute

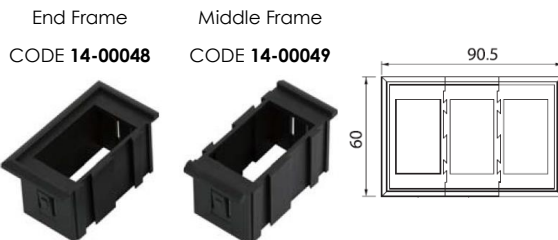
Electrical Life | 20,000~50,000 switch function dependent



CODE	Type	Function
14-00234	SPST	(ON)-OFF
14-00235	SPDT	(ON)-OFF-(ON)
14-00236	DPST	(ON)-OFF
14-00237	DPDT	(ON)-OFF-(ON)
14-00047	SPST	ON-OFF
14-00238	DPST	ON-OFF
14-00239	SPDT	ON-OFF-ON
14-00240	DPDT	ON-OFF-ON
14-00241	SPDT	(ON)-OFF-ON
14-00242	DPDT	(ON)-OFF-ON
14-00243	DPDT	ON-ON



Mounting Panel for Seal Rocker Switch



Actuator Removal Tool



Push-Button Manual Reset Circuit Breaker 180° Terminal

CODE 14-00264

Approval

Metal: M12x1.0

Nuts: Hex Nut

Rating: DC 50V AC 125V/250V

Amps Rating: 3A-50A

Dielectric Strength: AC 1500V/1 Minute
Interrupting Capacity: 1000A @125VAC,
2000A @250VAC

Insulation Resistance: > 100 MΩ

Switch Panel with Circuit Breakers

- 12V DC illuminated (LED) rocker switches
- Pre-wired with resettable circuit breakers
- Ultra shallow mounting depth (~45mm)
- 28 assorted label stickers included

Switch Rating: 10A@DC 12V

Panel Rating: Max 35A

CODE	Positions	Dimension (WxHxD) mm.	Panel Cut-out (WxL) mm.
14-00057	4	100x110x45	77x97.5
14-00058	6	100x160x45	77x148
14-00333	8	100x210x45	77x198

3P Wave Design LED Switch Panel with Voltage Meter

Circuit Breaker
Switch: 10A@DC 12V
Panel Max: 35A

CODE	14-00060
Dimension (WxHxD) mm.	100x110x45
Panel Cut-out (WxL) mm.	77x101.5

3P Wave Design LED Switch Panel with Cigarette Lighter Socket and Retainer Circuit Breaker

Switch: 10A@DC 12V
Panel Max: 35A

CODE	14-00059
Dimension (WxHxD) mm.	100x125x65
Panel Cut-out (WxL) mm.	77x111

Accessories

14-00263
DC 12V 10A
SPST ON-OFF



14-00265
Marine Grade with cap
DC 9-36V, 20A



14-00252
Marine Grade with cap
DC 5V 3.4A



14-00266
Marine Grade with cap
DC 5V 3.44A



Windlass Controlling Panel with LED DC15A@DC 12V

CODE	14-00059
Dimension (WxHxD) mm.	52x76x35
Panel Cut-out (WxL) mm.	40x45



Streamline IP66 Water-resistant Switch Panel

Circuit Breaker Panel Max: 45A
Switch: 20A@DC 12V/ 10A@DC 24V

CODE	Dimension (WxHxD) mm.	Panel Cut-out (WxL) mm.
14-00062	133x121x75 mm.	97x101 mm.
14-00063	133x173x75 mm.	97x153 mm.



Aluminum IP66 Water-resistant Switch Panel

Dark Gray 4P Circuit Breaker Panel Max: 45A
Switch Rating: 20A@DC 12V/ 10A@DC 24V

Dimension (WxHxD) mm.	114x191x75 mm.
Panel Cut-out (WxL) mm.	96x166 mm.

CODE 14-00066 CODE 14-00067 CODE 14-00068



Digital Voltage Meter IP67 with Wire Output

Voltage Range: DC 2.50~30V
Current Consumption: <30mA
Sampling Rate: 5 readings/s
Resolution: 0.01V (input <10V)
0.1V (input >10V)

CODE 14-00070



Ignition Switch Panel LED Indicator

Switch: DC 12V
Panel Max: 10A
Dimension (WxHxD): 133x121x75mm.
Panel Cut-out: Ø 40 mm.

CODE 14-00069



Electrical

Navigation Light



Navigation Light For vessels up to 7 m

Junior 7 Navigation Lights are also designed for vessels up to 7m length. The Junior 7 range covers all types of the required navigation lights.
Material: Nylon fiber mix housing. Shatterproof Plexiglas (PMMA) lens. **Contacts:** Brass. **Seal:** Nitrile water resistant. **Bulb:** 12V / 5W. **Luminous Intensity:** 5cd. **Minimum Visibility Distance:** 2 nautical miles. **Dimension (WxLxH):** 50 x 40 x 60 mm.

Starboard Green 112.5°

21-00617



21-00622



Port Red 112.5°

21-00618



21-00623



Stern White 135°

21-00619



21-00624



Masthead White 225°

21-00620



21-00625



Bi-Color 225°

21-00621



21-00626



All-Round White

21-00613



21-00614



All-Round Bi-Color

21-00615



21-00616



Fixed Light All-Round White

21-00537



21-00549



Fixed Light All-Round Tri-Color

21-00538



21-00550



Faros 7 Lights is ideal mainly for powerboats with less than 7m length. **Material:** Nylon fiber mix housing. Shatterproof Plexiglas (PMMA) lens
Contacts: Brass. **Seal:** Nitrile water resistant. **Mounting:** rawl plugs. **Bulb:** 12V / 5W. **Luminous Intensity:** 5cd **Minimum Visibility Distance:** 2 nm.

Starboard Green 112.5°

Dimension (WxLxH): 40x75x50 mm.

21-00633



Port Red 112.5°

21-00634



Stern White 135°

40x72x57 mm.

21-00635



Masthead White 225°

Dimension (WxLxH): 40x75x50 mm.

21-00636



Bi-Color 225°

21-00637



Starboard Green 112.5° Horizontal

Dimension (WxLxH): 40x63x55 mm.

21-00643



Port Red 112.5° Horizontal

21-00644



Eye 7 Lights designed for powerboats under 7m length, the Eye 7 lights are a unique design within the Lalizas range of vertical mount navigation lights. **Material:** Nylon fiber mix housing. Shatterproof Plexiglas (PMMA) lens. **Contacts:** Brass. **Seal:** Nitrile water resistant. **Bulb:** 12V / 5W. **Luminous Intensity:** 5cd **Minimum Visibility Distance:** 2 nautical miles.

Starboard Green 112,50 Horizontal Dimension (WxLxH): 63 x138x50 mm.

Color	CODE
Black	21-00627



Color	CODE
White	21-00630



Color	CODE
Chrome	21-00638



Stern white 1350 (WxLxH): 62 x148x50 mm.

Color	CODE
Black	21-00629



Color	CODE
White	21-00632



Spare Bulb

BA9S, C2R
12V,5W
21-00027/
21-00640*



*Blister

Port Red 112,50 Horizontal Dimension (WxLxH): 63 x138x50 mm.

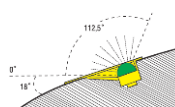
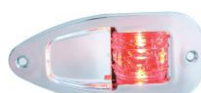
Color	CODE
Black	21-00628



Color	CODE
White	21-00631



Color	CODE
Chrome	21-00639



12V LED BA9S
Cool White
4SMDs+1LED

21-01788



Navigation Light



Navigation Light For vessels up to 7 m

Power 7 Lights sport boat navigation lights are compact and streamlined to follow fit comfortably with all boats. The lenses are made of tough polycarbonate, while nylon fiber mix housing and stainless internal components for added strength. Bi-color and masthead lights are available for horizontal and vertical mounting. **Dimension:** H: 40 mm. Ø 65 mm.

Starboard Green 112.5°	Port Red 112.5°	Stern White 135°	Masthead White 225°	Bi-Color Vertical 225°	Bi-Color Horizontal 225°	Masthead Horizontal White 225°	Fixed Spreader 360°	Spare Bulb
21-00502	21-00503	21-00504	21-00505	21-00506	21-00507	21-00508	21-00509	12V/10W, SV8.5-8, C8L, 38mm 21-00016/ 21-00594*
21-00510	21-00511	21-00512	21-00513	21-00514	21-00515	21-00516	21-00517	12V LED T11 39mm cool white 21-01782



Pole Light For vessels up to 12 m

Approved for vessels up to 12m by:

R.I.N.A	DOT	EEP	DGMM	DOT	DOT	SN	NMD
I	AUS.	GR	ES	UK	S.A.	F	N

Pole Lights may be used on sailing boats less than 20m (tri color) or on powerboats less than 12m (white), instead of small all-round lights. **Material:** Made of marine grade stainless steel 316 tubing with ABS plastic, polycarbonate lens and nitrile O ring sealed light and a fiber nylon mix base.

Housing: Available in black and white housing. **Installation:** Pole lights are positioned in such a way that they are higher than the sidelights and may be screwed into position. Depending on the model, you can adjust the height of the light. Five lengths of Lalizas pole lights are available which vary between 23cm and 130cm. **Visible distance:** 2nm **Bulb (included):** 12V / 10W.

Length	54 cm.	54 cm.	105 cm.	130 cm.	23 cm.	64 cm.	54 cm.	54 cm.	105 cm.	23 cm.	64 cm.
Base	Telescopic		Plug in		Folding		Telescopic		Plug in	Folding	
CODE	21-00533	21-00535	21-00533	21-00545	21-00536	21-00534	21-00541	21-00542	21-00544	21-00540	21-00539

Emergency Navigation Lights are ideal for use on small crafts and inflatable boats etc. or as emergency lighting in larger vessels. They can be used when conventional lights are not suitable for the vessel or when they are not operating. Emergency navigation lights are available with external light reflectors and use standard alkaline batteries (D cell), giving approx. 9 hours continuous use. Batteries are not included.



Description	CODE	Spare Bulb
Green	21-00498	1,1V/0,33W, E10, C2R
Red	21-00499	21-00015/21-00597*
White	21-00500	
Set	21-00501	*Blister

Electrical

Navigation Light



Navigation Light For vessels up to 12m

Approved for vessels up to 12m by:

R.I.N.A	DOT	EEP	DGMM	DOT	DOT	SN	NMD
I	AUS.	GR	ES	UK	S.A.	F	N

Classic 12 Lights midi series of navigation lights is designed and type-approved for vessels under 12m. Made of tough UV stabilized ABS plastic with shatter-proof acrylic lens, non-magnetic stainless-steel electrical contacts and a nitrile water resistant seal to provide reliable long life. All lights are supplied with a 12V 10W bulb. **Dimension:** H: 75 mm. Ø 55 mm.

The CLASSIC LED 12 series of navigation lights is designed for vessels under 12m length, made of a PBT and polycarbonate compound with shatter-proof acrylic lens, stainless steel electrical contacts and an EVA water resistant seal to provide reliable long-life. All lights are supplied with 12-24V LED bulb to ensure maximum energy saving and lasts for 50,000hrs **Dimension:** H: 75 mm. Ø 55 mm.

All-Round White	All-Round Green	All-Round Red	All-Round Tri-Color	All-Round White	Spare Bulb for All-Round Light		
CLASSIC 21-00528	CLASSIC 21-00529	CLASSIC 21-00530	CLASSIC 21-00531	CLASSIC 21-00532	BA15S, C2R Bulb 12V/10W 21-00011/ 21-00598*	T18 BA15S Bulb Cool White 18 LEDs 21-01783	BA15S Bulb 12/24 V 21-02130
LED 21-02116			LED 21-02117				

*Blister

Classic 12 midi series of navigation lights is designed and type-approved for vessels under 12m length. Made of tough UV stabilized ABS plastic with shatter-proof acrylic lens, non magnetic stainless steel electrical contacts and a nitrile water resistant seal to provide reliable long life. All lights are supplied with a 12V 10W bulb. **Dimension** (WxLxH): 60 x 55 x70 mm.

The Classic LED 12 series of navigation lights is designed for vessels under 12m length, made of a PBT and polycarbonate compound with shatter-proof acrylic lens, stainless steel electrical contacts and an EVA water resistant seal to provide reliable long-life. All lights are supplied with 12-24V LED bulb to ensure maximum energy saving and lasts for 50,000hrs **Dimension** (WxLxH): 60 x 55 x70 mm.

Starboard Green 112.5°	Port Red 112.5°	Stern White 135°	Masthead White 225°	Bi-Color 225°	Spare Bulb for Navigation Light		
CLASSIC 21-00518	CLASSIC 21-00519	CLASSIC 21-00520	CLASSIC 21-00521	CLASSIC 21-00522	SV8.5-8, C8I 41 mm Bulb 12V/10W 21-00010 21-00593*	LED, T11 41mm Bulb cool white 12V 21-01789	BAY15D Bulb 12/24V 21-02131
LED 21-02118	LED 21-02119	LED 21-02120	LED 21-02121	LED 21-02122			

*Blister

CLASSIC 21-00523	CLASSIC 21-00524	CLASSIC 21-00525	CLASSIC 21-00526	CLASSIC 21-00527	Combination Masthead & Deck Lights	
					Universal Mast mount Made of tough UV stabilized ABS plastic. The 20W deck bulb provides ample illumination for foredeck chores. CODE 21-00575	

Combination lights Both sets are made of UV stabilized ABS plastic, with shatter-proof acrylic lens, non-magnetic stainless-steel electrical contacts and a nitrile water resistant seal to provide reliable long life. Both combinations are available in black and white and can be easily installed on any boat.

Tri-colour combination light white, port & starboard

21-00563

21-00565



Four color combination light white, bi-colour & stern

21-00564

21-00566



Spare Bulb for Deck Light

12V LED MR16

21-01780



12V/20W MR16/
C Halogen

21-00037



Navigation Light



Navigation Light For vessels up to 12m

Cyclic 12 navigation lights are designed for powerboats and sailboats up to 12m length. They are made of tough UV stabilized nylon plastic, non magnetic stainless steel electrical contacts and a nitrile water resistant seal to provide reliable long life. They are especially designed to be visible from a long distance and are fitted with a 12V 10W bulb as standard **Dimension** (WxH): 86 x 52 mm.

**Starboard
Green 112.5°**

CLASSIC 21-00567



CLASSIC 21-00571



**Port
Red 112.5°**

CLASSIC 21-00568



CLASSIC 21-00572



**Stern
White 135°**

CLASSIC 21-00569



CLASSIC 21-00573



Approved for vessels up to 12m by:

R.I.N.A	DOT	EEP	DGMM	DOT	DOT	SN	NMD
I	AUS.	GR	ES	UK	S.A.	F	N

**Masthead
White 225°**

CLASSIC 21-00570



CLASSIC 21-00574



SV8.5-8, C81
41 mm Bulb
12V/10W
21-00010
21-00593*



*Blister

LED, T11
41mm Bulb
cool white 12V

21-01789



FOS LED 12&20 series of navigation lights are designed to save power consumption on board and offer reliability, efficiency and optimal visibility at sea. This new series of LED navigation lights is suitable for vessels up to 12m or 20m for enhanced safety. LED technology provides supreme efficiency with up to 80% less power consumption compared to conventional bulbs. Their completely sealed unit ensures durability and safety.

- Last for 50,000 hours

- Waterproof, non-corrosive, non-magnetic

- Screws DIN7981 / ISO 7049 M3.5x32mm

- Wire length 0.6m

- Double-side adhesive sticker that can be used as drilling drawing

**Set Port & Starboard
side mount 112.5°**

- Visible distance: 1 nm
- 12-15 V DC & 0.5W
- Vertical Mounted
- WxLxH 44x38.2x60 mm

LED 21-01803



LED 21-01804



**Masthead
White 225°**

- Visible distance: 2 nm
- 12-15 V DC & 1W
- Vertical Mounted
- WxLxH 68x42.1x60 mm

LED 21-01807



LED 21-01808



**Bi-color
side mount**

- Visible distance: 1 nm
- 12-15 V DC & 1W
- Vertical Mounted
- WxLxH 68x42.1x60 mm

LED 21-01809



LED 21-01810



**Bi-color
deck mount**

- Visible distance: 1 nm
- 12-15 V DC & 1W
- Red & Green LED light
- Deck Mounted
- 61.6x69.3x39.5 mm

LED 21-01825



LED 21-01826



Tricolor light

- Visible distance: 1+1+2 nm
- 12-15 V DC & 1.5W
- Deck Mounted
- H: 45.5 mm, Ø 60 mm.

LED 21-01813



LED 21-01814



**Vessel up to 12 & 20
All-Round light 360°**

- Visible distance: 2 nm
- 12-24 V DC & 1.5W
- White LED light
- Deck Mounted
- H: 45.5 mm, Ø 60 mm.

LED 21-01811



LED 21-01812



**Set Port & Starboard
side mount 112.5°**

- Visible distance: 1 nm
- 12-15 V DC & 0.5W
- Red & Green LED light
- Side Mounted
- WxLxH 46x60x34 mm.

LED 21-01817



LED 21-01818



**Set Port & Starboard
deck mount 112.5°**

- Visible distance: 1 nm
- 12-15 V DC & 0.5W
- Red & Green LED light
- Deck Mounted
- 43x55.7x38.4 mm.

LED 21-01821



LED 21-01822



**Set Port & Starboard
side recessed mount
112.5°**

- Visible distance: 1 nm
- 12-15 V DC & 0.5W
- Red & Green LED light
- Side Recessed Mounted
- 55.5x91.8x32.3 mm.

LED 21-01819



LED 21-01820



Tricolor & Anchor

- Visible distance: 1+1+2 nm & Anchor light 2nm
- 12-15 V DC & 3W
- Deck Mounted
- H 70.6 mm, Ø 60 mm.

LED 21-01815



LED 21-01816



**Stern White
side mount 135°**

- Visible distance: 2 nm
- 12-15 V DC & 0.5W
- Vertical Mounted
- WxLxH 44x38.2x60 mm.

LED 21-01805



LED 21-01806



**Stern White
deck mount 135°**

- Visible distance: 2 nm
- 12-15 V DC & 0.5W
- White LED light
- Deck Mounted
- WxLxH 43x55x38.5 mm.

LED 21-01823



LED 21-01824



Electrical

Navigation Light



Navigation Light For vessels up to 20m

Approved for vessels up to 12m by:

R.I.N.A	DOT	EEP	DGMM	DOT	DOT	SN	NMD
I	AUS.	GR	ES	UK	S.A.	F	N

The **CLASSIC 20** lights are designed and type-approved for vessels under 20m. Made of a special compound of ABS and polycarbonate with shatterproof acrylic lens, non-magnetic stainless steel electrical contacts and a nitrile water resistant seal to provide reliable long life.

Dimension (WxLxH): 85 x 85 x 105 mm.

**Signal
Green 360°**

CLASSIC 21-00586



**Signal
Red 360°**

CLASSIC 21-00587



**Signal
White 360°**

CLASSIC 21-00588
LED 21-02124



**Signal
White 360°**

CLASSIC 21-00589



**Signal
Tricolor 360°**

CLASSIC 21-00561

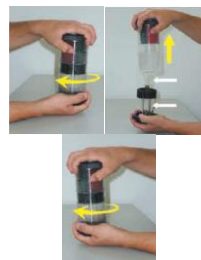
LED 21-02123



Tri Color & Anchor light
W x L x H: 85 x 85 x 195 mm.

CLASSIC 21-00562

LED 21-02133



The **CLASSIC LED 20** series of navigation lights is designed for vessels under 20m. Made of a PBT and polycarbonate compound with shatter-proof acrylic lens, stainless steel electrical contacts and an EVA water resistant seal to provide reliable long-life. All lights are supplied with 12-24V LED bulb to ensure maximum energy saving and lasts for 50,000hrs **Dimension (WxLxH):** 105 x 90 x 100 mm.

**Starboard
Green 112.5°**

CLASSIC 21-00576

LED 21-02125



**Port
Red 112.5°**

CLASSIC 21-00577

LED 21-02126



**Stern
White 135°**

CLASSIC 21-00578

LED 21-02127



**Masthead
White 225°**

CLASSIC 21-00579

LED 21-02128



Bi-Color 225°

CLASSIC 21-00580

LED 21-02129



Rail Solar Light

- For 19.1-25.4 mm. boat rails
- Has a rechargeable battery
- One Super Bright white LED
- 9000 – 14000mcd luminosity and current 40mA
- Operating time more than 7 hours

CODE 21-01590



CLASSIC 21-00581



CLASSIC 21-00582



CLASSIC 21-00583



CLASSIC 21-00584



CLASSIC 21-00585



**Spare Bulbs for
Classic 20 &
Tri Color &
Anchor Lights**

**12V/25W
BAY15D, C81**
21-00012
21-00590*



**24V/25W
BAY15D,
CC81**
21-00013
21-00591*



**12V LED
T25 BAY15D**
21-01785



**12/24V
BAY15D Bulb**
21-02132



FOS LED 12&20 series of navigation lights are designed to save power consumption on board and offer reliability, efficiency and optimal visibility at sea. This new series of LED navigation lights is suitable for vessels up to 12m or 20m for enhanced safety. LED technology provides supreme efficiency with up to 80% less power consumption compared to conventional bulbs. Their completely sealed LED unit ensures durability and safety.

- Last for 50,000 hours
- Waterproof, non-corrosive, non-magnetic
- Screws DIN7981 / ISO 7049 M3.5x32mm
- Wire length 0.6m
- Double-side adhesive sticker that can be used as drilling drawing

Set Port & Starboard Side Lights 112.5°

- Visible distance: 2 nm
- 12-24 V DC & 1.5 W
- Red & Green LED light
- Vertical Mounted
- Dimension (WxLxH): 65x90x38 mm.

LED 21-02033

LED 21-02034



Vessel up to 12 & 20 Bi-Color Light, Side Mount 112.5°

- Visible distance: 2 nm
- 12-24 V DC & 3W
- Red & Green LED light
- Vertical Mounted
- Dimension (WxLxH): 78.5x104x45 mm.

LED 21-02039

LED 21-02040



Vessel up to 12 & 20 Masthead light 225°

- Visible distance: 3 nm
- 12-24 V DC & 3W
- White LED light
- Vertical Mounted
- Dimension (WxLxH): 78.5x104x45 mm.

LED 21-02037

LED 21-02038



Vessel up to 12 & 20 Stern light side mount, 135°

- Visible distance: 2 nm
- 12-24 V DC & 1.5 W
- White LED light
- Vertical Mounted
- Dimension (WxLxH): 71.5x95.6x32 mm.

LED 21-02035

LED 21-02036



Cap Light, LED, 2 x CR2032

CODE 21-01156



- Material: ABS
- Bulb Type: 5 LED
- Life time of the LED: 100,000hrs
- Working Modes: 1LED/3LED/5LED
- Batteries: 2xCR2032 (Lithium)
- Water resistant

Lifebuoy Light M.O.B (LSA Code)

CODE: 21-01172



This lifebuoy light complies with the L.S.A code capable of burning continuously with a luminous intensity of not less than 2cd in all directions of the upper hemisphere for a period of at least 2h (at white color). CE approved to SOLAS (L.S.A Code) * by Bureau Veritas*.

Life Raft LED Flashlight

CODE

21-01774

AA Alkaline
1,5V x 2pcs
(batteries not included)

**Spare Bulbs**

Incandescent Bulbs										
Image	CODE	Volt-Watt	Dimensions (mm)	Base Type					Filament Type	
				BA9S	SV 8.5-8	E 10	BA15S	BAY15D	C-2R	C-6U
	21-00012	12V 25W	15 x 65							
	21-00590*	24V 25W	25 x 67							
	21-00013	12V 10W	15 x 65							
	21-00014	12V 10W	15 x 65							
	21-00592	12V 10W	15 x 65							
	21-00010	12V - 10W 41mm	11 x 41							
	21-00593*	12V - 10W 38mm	11 x 38							
	21-00016	4.8V 3,6W	9 x 28							
	21-00594*	1,1V - 0,33W	9,5 x 23							
	21-00020	12V 10W	15 x 34							
	21-00598*	12V 5W	10 x 29							
	21-00015	12V 5W	10 x 29							
	21-00597*									
	21-00011									
	21-00596*									
	21-00027									
	21-00640*									

*Blister

Cool White LED										
Image	CODE	LED/SMID	Volt - Lumen	Dimensions (mm)	Base Type					
					BA9S	SV8.5-8	BA15S	BAY15D	BA15D	G4
	21-01782	8 SMD (2x4)	12V - 60	11 X 39						
	21-01783	18 LED	12V - 90	15 X 39						
	21-01784	4 SMD + 1 LED	12V - 37,5	9,2 X 29,5						
	21-01785	36 LED	12V - 270	15 X 52,5						
	21-01786	21 LED	12V - 157,5	40 x30 x8,2						
	21-01787	4 LED PIRANHA	12V - 30	37 x25 x8,2						
	21-01788	4 SMD + 1 LED	12V - 37,5	9 X 25,5						
	21-01789	4 LED	12V - 30	11 X 41						

Spotlight**Xenon Spotlight**

A new powerful searchlight with improved style and performances, ideal for medium and big-sized yachts. Complete of water-proof remote control. Upon request the spotlight can be supplied with extension lead (4 mt. long). Body and base are in sun-ray white ASA material. Excellent corrosion-resistance also in case of adverse weather conditions.

Brighter, wider beam pattern for maximum viewing safety. Equipped with bright light and high powered 55 watt halogen lamp. Creates a 30 degree wider beam pattern and delivers still 6 times more than the halogen equivalent 55 watt lamp. More efficient design to perform better and run cooler than standard halogen lamps. Meets or exceeds original equipment quality standards.

**XENON 55 W.**

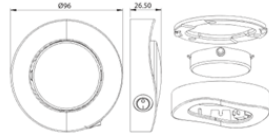
CODE	11-00227	11-00228
Volt	12	24
Amp	6	3.5
Candle-Power	60000	60000
Range at 1 Lux	800 m.	800 m.
Spare Bulb	11-00231	11-00232
Remote Control	11-00223	11-00224
Double Station	11-00229	11-00230

Electrical

WaveLED Marine LED Ceiling Lights

Warm White Light

CODE 14-00055



Warm White Light

CODE 14-00056



White/Blue Dual Light

CODE 14-00226



White/Red Dual Light

CODE 14-00227



Specifications

- Lighting Source: SMD LED x 6 (120lm)
- Color Temperature: 2900 – 3200K (Warm White)
- Voltage Rating: 12 – 30V
- Power Consumption: 1.5W
- Note: IP66 Water Resistant

Additional Features for 14-00226/14-00227

- White/Blue or White/Red dual light color
- Cost-effective built-in ON-OFF-ON switch

Spotlight with High Power LED

CODE 14-00192



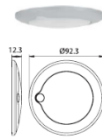
Specifications

- Lighting Source: High Power LED (1W) x 3
- Color Temperature: 3000-3300K (Warm White)
- Voltage Rating: 12-30V
- Power Consumption: 3.24W
- Note

DishLED Dimmable Ceiling Light with Touch Button



2.4W 14-00228



4.5W 14-00229



- Super Bright SMD LED x 4 (200lm)
- Color Temperature: 3000-3300K (warm White)
- Voltage Rating: DC 9-30V (Multi-volt)
- IP67 Water proof



Non-stop linear dimming from 10% to 100%

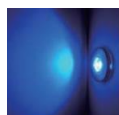
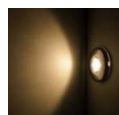
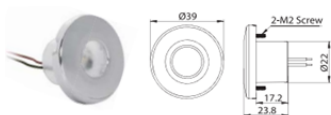


LED Step Lights / Courtesy Light with Stainless Steel Faceplate

14-00199

14-00200

14-00201



Features

- SAE 316 grade stainless steel
- Completely sealed – completely waterproof even under temporary water immersion (IP67)
- Matte Surface allowing soft and smooth light output
- Compact size, easy to install

Specification

- Lighting Source: SMD LED
- Voltage Rating: 12V
- Power Consumption: 0.25W

Cigarette Lighter Plug for Portable Applications

This assembled plug comes with built-in replaceable AGC fuses and wired with 1.8m cable. Note: 14-00301 is not compatible with 14-00295/14-00296 with direct cable output.

14-00301



Flexi Mount LED Light

- Color Temperature: 5500-6000K (Cool White), 2800-3200K (Warm White)
- Current Consumption: <0.3A 14-00295, 14-00297, 14-00299
- Voltage Range: DC12-24V
- Cable Length: 0.3m
- <0.6A 14-00296, 14-00298, 14-00300

CODE	LIGHT LENGTH	BUILT-IN SWITCH	OUTPUT	NOTE
14-00295	25cm	Yes	Cable	-
14-00296	50cm	Yes	Cable	-
14-00297	25cm	Yes	Socket with removable plug	Compatible with 14-00301 & 14-00299
14-00298	50cm	Yes	Socket with removable plug	Compatible with 14-00301 & 14-00299
14-00299	25cm	No	Socket on both ends	Extension kit
14-00300	50cm	No	Socket on both ends	Extension kit

14-00295



14-00296



14-00297



14-00298



14-00299



14-00300



Vertical windlass

X2 - Vertical Windlass

The "X" vertical windlasses are suitable for sail and motor boats from 6m to 27m in length. They have different motorization attributes according to each model.

The standard features that you can meet in every X series windlass are:

- Watertight stainless-steel ball bearing in the base (for better functionality and zero maintenance) which is a unique feature in the windlass market.
- The clutch is made by two conical discs connected to the main shaft by two parallel planes on the shaft, in order to avoid using keys and allocate the weight load properly.
- The electric motor and gearbox are connected by a particular coupling that is made by a socket for easier maintenance.
- There is a sensor in the base and a magnet into the gypsy so they can be connected to a chain counter.
- Manual override so that the chain or rope can be recovered manually in case of electric function failure.

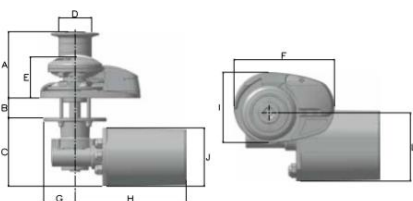
Main Features

- Luxury chrome bronze base and drum
- Special watertight stainless-steel ball bearing in the base
- With drum or Low profile
- Independent Gypsy and drum operation
- Rope and chain combination Gypsy
- Manual chain release
- Manual override available for chromed bronze models only
- Rope chain management by the spring-loaded arm
- Chain counter magnet pre-installed as standard
- IP67 rated heavy duty electric motor
- Anodized marine aluminium gearbox
- Control Box included in package



CONSTRUCTION	ALUMINUM						CHROMED BRONZE					
MOTOR SIZE	700W		1000W		1500W		700W		1000W		1500W	
Power Supply (V)	12	24	12	24	12	24	12	24	12	24	12	24
Maximum Pull (kg)	750	750	1000	1060	1200	1250	850	850	1000	1060	1200	1250
Working load (kg)	80	80	165	165	190	190	80	80	165	165	190	190
Amps at Working load (A)	90	45	135	70	150	75	90	45	135	70	150	75
Line Speed at Working Load (m/min)	26	26	20	23	17	19	26	26	20	23	17	19
Max Line Speed (m/min)	35	35	40	40	40	40	35	35	40	40	40	40
Net Weight Low Profile (kg)	18	18	19	23	24	24	21	21	23	23	24	24
Net Weight Low Drum (kg)	19	19	20	24	25	25	23	23	24	24	25	25

X2	CHAIN	ROPE	CODE											
With Drum	6 mm, ISO 4565 / DIN 766		24-00196	*	24-00201	*	*	*	24-00198	24-00268	24-00263	*	*	*
	8 mm, ISO 4565 / DIN 766	14 mm, 3-strand	24-00132	*	24-00136	24-00135	24-00209	24-00213	24-00140	24-00269	24-00157	24-00163	*	*
	10 mm, DIN 766		*	*		*	*	24-00278	*	*	24-00293	24-00161	24-00038	24-00039
	10 mm, ISO 4565		*	*	24-00205	*	24-00208	24-00212	*	*	24-00293	*	24-00265	24-00271
Low Profile	6 mm, ISO 4565 / DIN 766		24-00197	24-00300	24-00202	*	*	*	24-00199	24-00266	24-00262	*	*	*
	8 mm, ISO 4565 / DIN 766	14 mm, 3-strand	24-00131	*	24-00130	*	*	24-00275	24-00139	24-00267	24-00158	24-00206	*	*
	10 mm, DIN 766		*	*		*	24-00274	24-00277	*	*	24-00294	24-00160	24-00037	24-00270
	10 mm, ISO 4565		*	*	24-00003	*	24-00273	24-00276	*	*	24-00142	24-00176	24-00264	24-00330



MODEL	A	B	C	D	E*	F	G	H	I	J	K	L
500W	130	10-30	111	Ø60	84	183	56	236	127	105	132	
700W	130	10-30	111	Ø60	84	183	56	236	127	105	132	
1000W	130	10-30	150	Ø60	84	183	62	256	127	134	165	

Anchoring & Docking

Vertical windlass

Ercole Vertical

Main Features

- Under-deck compact dimensions
- Construction in mirror polished AISI 316L stainless steel
- High torque latest generation electric motor able to provide the power needed in all marine conditions
- Band brake to assist in chain control, thanks to an easy-to-manage large handwheel
- Special high-grip drum with independent rotation from the Gypsy, for warping function
- Independent Gypsy and drum operation
- Manual chain release
- Manual override to recover the chain and anchor in case of electrical failure
- Internal ratchet to prevent chain jams into the chain cocker which could damage the deck
- Chain counter support integrated by the sensor inserted in the base and the magnet in the Gypsy
- Available also in counter clockwise rotation
- High efficiency Lofrans planetary-worm screw gearbox made in anodised black aluminium with gears made in high mechanical strength material
- Heavy duty electric motor
- Power: DC, AC and hydraulic
- Available in custom versions

CONSTRUCTION	316 L STAINLESS STEEL			
MOTOR SIZE	3500W	4000W	5500W	Hydraulic - 11 cc
Power Supply (V)	24	230-400	230-400	—
Maximum Pull (kg)	4500	4500	5000	5000
Working load (kg)	1000	1000	1200	1200
Amps at Working Load (A)	240	—	0	—
Line Speed at Working Load (m/min)	12	13	13	14
Max Line Speed (m/min)	20	13	13	14
Net Weight with Drum (kg)	180	180	200	165
Hydraulic Pressure	—	—	—	200
Hydraulic Flow (l/min)	—	—	—	40

ERCOLE VERTICAL	CHAIN	TYPE	CODE	CODE	CODE	CODE
With Drum	14 mm	CW	24-00230	24-00232	*	24-00326
	16 mm	CW	*	*	24-00247	24-00328
	14 mm	CCW	24-00231	24-00233	*	24-00327
	16 mm	CCW	*	*	24-00246	24-00329

** cw: the windlass pulls clockwise ccw: the windlass pulls counter clockwise



MODEL	A	B	C	D	G	H	I	J	L	M	N	P	R	S
3500W	400	150	272	150	160	502	340	Ø158	205	405	220	205	Min 490- max 600	Min 200- max 230
4000W														
5500W														

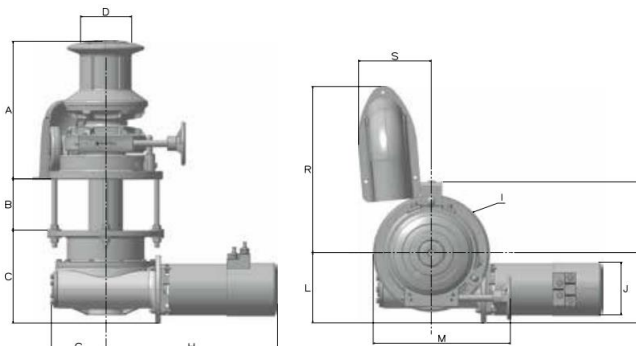
Optional Accessories

- Foot Switch
- Control Switch
- Circuit Breaker
- Chain Counter
- Hand Held Control
- Radio Control



Standard Equipment:

- Dual direction solenoid pack (only for 24V version)
- Handle
- Gypsy for chain
- CD / Instruction manual



Horizontal Windlass

The range of horizontal windlasses is suitable for boats from 18 up to 150 feet offering the best in performance and functionality, when there is adequate deck space or if the chain locker has limited size or accessibility. They are simple, reliable, with their classic and timeless style making them perfect for many vessels, especially for the charter business.


Material and finish, marine grade aluminum alloy: Our horizontal anchor windlasses are produced using marine grade aluminum alloy. The body is polished and anodized. Most of the components are made by hot forging. The horizontal models are available as standard in anodized aluminum. Some models are available with a painted white polyester coating.

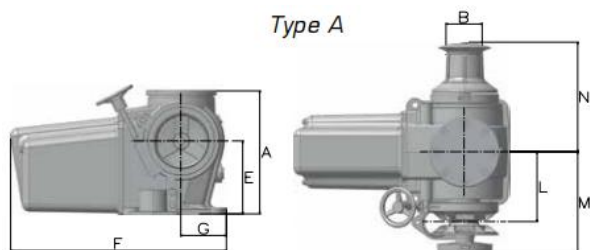
High performance motors: The horizontal windlasses' electric motors have been designed to supply high torque in all working conditions. They are available in 12 or 24 Volt DC current and 230-440 V three phase AC current. Most of the motors have an IP66 rating with a galvanized body painted with a polyester coating. Our electric motors are specified to provide the necessary power for long run time. They are also designed to operate at an increased speed and so reducing operating time. Titan, Ercole and Super Ercole are also available in hydraulic motor versions.

TITAN – HORIZONTAL WINDLASS 2300W / 3600W / HYDRAULIC

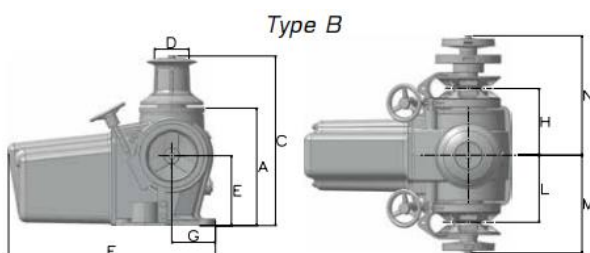
CONSTRUCTION	Anodised Aluminium		White Aluminium	Anodised Aluminium
MOTOR SIZE	2300W	3600W	3600W	Hydraulic-9cc
Power Supply (V)	24	230-400	230-400	-
Maximum Pull (kg)	2800	2800	2800	3400
Working load (kg)	550	650	650	700
Amps Work Load (A)	140	-	-	-
Amps at Working Load (A)	10	11	11	11
Line Speed at Working Load (m/min)	18	11	11	11
Net Weight with Drum (kg)	115	115	115	95
Hydraulic Pressure (bar)	-	-	-	200
Hydraulic Flow (lt/min)	-	-	-	32
Circuit Breaker (available separatly)	24-00051	-	-	-
Control Box	Included	Separately	Separately	-



TITAN		MODEL**	CODE	CODE	CODE	CODE	*Non-standard configuration optional gypsies can be supplied separately. Please refer to compatible gypsies table
With Drum	12 mm, ISO 4565 / 13mm, DIN 766	Type A	24-00070	*	24-00260	24-00315	**Available also in Type C, D....
	14 mm, DIN 766	Type A	24-00224	24-00261	*	24-00316	
	12 mm, ISO 4565 / 13mm, DIN 766	Type B	24-00122	*	*	24-00317	
	14 mm, DIN 766	Type B	24-00118	*	*	24-00318	



MODEL	A	C	F	D	J	L	M	N
2300W	330	Ø 104	193	590	120	185	270	290
3600W								
Hydraulic								



MODEL	A	C	D	E	F	G	H	L	M	N
2300W	330	465	Ø 104	193	590	120	185	185	270	290
3600W										
Hydraulic										

Anchoring & Docking

Horizontal Windlass



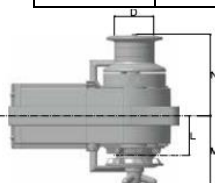
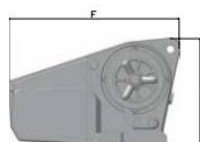
CAYMAN

HORIZONTAL WINDLASS 700W / 1000W

CONSTRUCTION	Anodised Aluminium		
MOTOR SIZE	700W	1000W	
Power Supply (V)	12	12	24
Maximum Pull (kg)	1000	1250	1325
Working load (kg)	100	170	170
Amps at Working Load (A)	110	150	80
Line Speed at Working Load (m/min)	21	16	17
Max Line Speed (m/min)	32	32	33
Net Weight with Drum (kg)	24	25	25
Circuit Breaker (available separately)	24-00050	24-00051	24-00050
Control Box	Included	Included	Included



CAYMAN		CODE	CODE	CODE	*Non-standard configuration optional gypsies can be supplied separately. Please refer to compatible gypsies table
With Drum	6 mm, ISO 4565 / DIN 766	24-00195	*	*	
	8 mm, ISO 4565 / DIN 766	24-00060	24-00061	*	
	10 mm, ISO 4565	*	24-00115	*	
	10 mm, DIN 766	*	24-00244	24-00245	



MODEL	700W	1000W
A	230	
D	Ø85	
F	370	
L	85	
M	150	
N	175	

Main features

- Marine aluminum anodized body
- Independent Gypsy and drum operation
- Manual chain release
- Manual override
- Heavy duty rated IP66 electric motor
- Automatic free fall available as option

DORADO

HORIZONTAL WINDLASS 500W / 700W

CONSTRUCTION	Anodised Aluminium	
MOTOR SIZE	500W	700W
Power Supply (V)	12	12
Maximum Pull (kg)	600	650
Working load (kg)	70	80
Amps at Working Load (A)	65	80
Line Speed at Working Load (m/min)	18	20
Max Line Speed (m/min)	24	25
Net Weight Low Profile (kg)	10	11
Circuit Breaker (available separately)	24-00049	24-00050
Control Box	Included	Included



Stern windlass support, SS316, with roller & flange



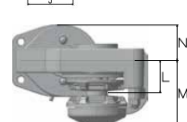
Code: 24-00020

DORADO			TYPE	CODE	CODE	*Non-standard configuration optional gypsies can be supplied separately. Please refer to compatible gypsies table
Low Profile	6 mm, ISO 4565	10-12 mm, 3-strand	Port	24-00083	24-00200	
	8 mm, ISO 4565 / DIN 766	12 mm, 3-strand	Port	*	24-00084	

Main features

- Marine aluminium anodised body
- Manual chain release
- Rope chain management by the spring load arm
- Heavy duty rated IP66 electric motor
- Automatic free fall available as option

Compatible Gypsies

Maintenance Kit for Dorado
CODE: **24-00014**

MODEL	A	C	F	J	L	M	N
500W	130	150	200	Ø 82	48	98	53
700W	130	150	200	Ø 94	48	98	53



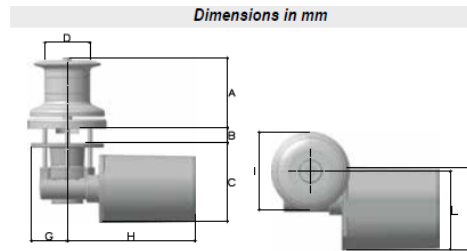
CODE	GYPSY SIZE
24-00343	6 mm, ISO 4565 / DIN 766
24-00346	7mm, ISO 4565
24-00352	8 mm, ISO 4565 / DIN 766

Capstan

Capstan - T500-T700-T1000

Main features

- Luxury chrome bronze base and drum
- Heavy duty rated IP67 electric motor
- Anodised marine aluminum gearbox



Model	T500	T700	T1000
A	90	135	135
B	18-30	25-40	25-40
C	111	150	150
D	Ø60	Ø92	Ø92
G	55	62	62
H	236	256	256
I	Ø115	Ø155	Ø155
J	110	134	134
L	121	157	157

CONSTRUCTION	CHROMED BRONZE					ALUMINIUM				
CODE	24-00077	24-00055	24-00087	24-00086	24-00047	24-00080	24-00085	24-00259	24-00081	24-00082
Model	T500	T700		T1000		T500	T700		T1000	
Motro size	500W	700W		1000W		500W	700W		1000W	
Power Supply (V)	12	12	24	12	24	12	12	24	12	24
Maximum Pull (kg)	630	850	900	1000	1060	630	850	900	1000	1060
Working load (kg)	70	115	115	165	165	70	115	115	165	165
Amps at Working Load (A)	75	110	50	70	70	75	110	50	135	70
Line Speed at Working Load (m/min)	23	20	23	23	23	23	20	23	20	23
Max Line Speed (m/min)	26	30	30	40	40	26	30	30	40	40
Net Weight with Drum (kg)	11	15	15	1	21	9	15	15	16	16
Circuit Breaker (available separatly)	24-00049	24-00049	24-00050	24-00051	24-00050	24-00049	24-00049	24-00050	24-00051	24-00050

Capstan – T3000 – T4000

Main features

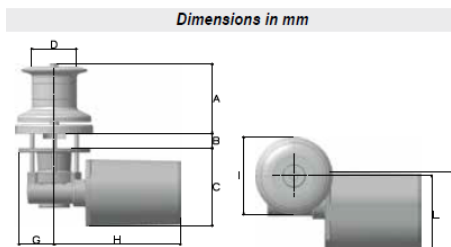
- Luxury stainless steel base and drum
- Heavy duty electric motor
- Anodized marine aluminium gearbox



Optional

Accessories

- Foot Switch
- Control Switch
- Circuit Breaker
- Hand Held Control
- Radio Control



Model	T1500	T1700
A	162	162
B	50-70	50-70
C	160	165
D	Ø104	Ø104
G	73	90
H	236	300
I	Ø191	Ø191
J	165	Ø127
L	157	140



CONSTRUCTION	316 L STAINLESS STEEL						
CODE	24-00256	24-00306	24-00308	24-00307	24-00228	24-00258	24-00116
Model	T3000				T4000		
Motro size	2200W	3000W	3600W	Hydraulic – 9cc	3500W	4000W	5500W
Power Supply (V)	230-400	24	24	-	24	230-400	230-400
Maximum Pull (kg)	2500	3000	300	3000	4500	5000	5000
Working load (kg)	550	600	600	650	850	850	1200
Amps at Working Load (A)	-	210	210	-	215	-	-
Line Speed at Working Load (m/min)	16	14	14	17	10	10	11
Max Line Speed (m/min)	16	27	27	17	15	10	11
Net Weight with Drum (kg)	75	75	75	40	120	120	105
Hydraulic Pressure (bar)	-	-	-	200	-	-	200
Hydraulic Flow (l/min)	-	-	-	32	-	-	40

Anchoring & Docking

Windlass Control



PRODUCT NAME	CONTROL SWITCH TYPE "L"
CODE	24-00072

This switch, usually installed on the cockpit, is made by a fixing plaque and by a three position switch (Up-Off-Down).



PRODUCT NAME	CONTROL SWITCH TYPE "C"
CODE	24-00053

This rocker switch has a modern and practical design. It is reliable and watertight and it is supplied with the opposite case to make simple and sure the installation.



PRODUCT NAME	FOOT SWITCH		
CODE	24-00179	24-00178	24-00301
Description	Black / Grey UP	Red / Grey DOWN	Blue / WASH DOWN
Voltage	12 - 24Vdc		
Operative temperature	-10 : +60		
IP protection rated	67		
Max contacts amperage (A)	5		
Weight (gr)	100		
Dimension (mm)	80x95x20		

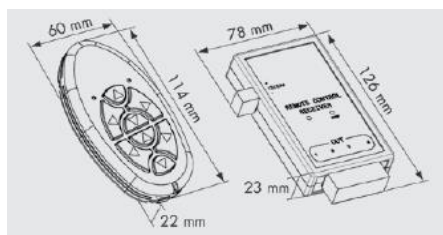


This remote chain counter model GALAXY 503 has been specifically designed to give the full control in anchoring. It's a reliable and practical instrument, technologically advanced, specifically design for use in marine environments. The external casing, rated with IP66 and supplied with waterproof plug and socket rated IP67. The extending flexible cable (approximately 4 meters) gives the maximum freedom on board during anchoring maneuvering. Provided with an evolved microprocessor that offers a series of advantages for full control of the anchoring.

Chain speed indicator / mooring length in meters or feet

- Voltage indicator
- Up alarm sensor
- Switch on button / Key tones adjustment
- High vision LCD display / Backlit display screen / Eight level of contrast
- Six language menus (IT, EN, FR, DE, ES, GR)
- Able to control free fall windlasses
- Parallel connection.

PRODUCT NAME	HAND HELD REMOTE CONTROL CHAINCOUNTER GALAXY 503
CODE	24-00181
Command transmission	Wire
Number of buttons	3
Voltage	12 - 24Vdc
Operative temperature	-10 : +60
IP protection rated*	66
Max contacts amperage (A)	2
Weight (gr)	710
Dimension (mm)	155x65x45



Lofrans' radio remote control is designed to work with our range of windlasses. The remote control can also be used to operate other onboard equipment such as thrusters, passerelles, cranes, etc.

- Transmitter rated IP67
- Supports up to 8 independently controlled channels
- Each receiver can switch 4 channels (12/24 V - 2 A)
- Each transmitter can handle 2 receivers (8 channels)
- Digital recognition avoids accidental activation of other system
- Zero power consumption when in standby mode (transmitter)
- Easy to install and set up, simple to use

PRODUCT NAME	RADIO REMOTE CONTROL	
CODE	24-00066	24-00067
Description	Transmitter & Receiver (EU)	Transmitter & Receiver (USA)
Frequency	868 MHz	915 MHz
Number of buttons	8 (Transmitter)	
Voltage	12 - 24Vdc (Receiver)	
Operative temperature	-10 : +60	
IP protection rated	67 (Transmitter)	
Max contacts amperage (A)	2 (Receiver)	
Weight (gr)	310	
Dimension (mm)	114x60x22(transmitter) / 126x78x23(receiver)	



Thruster

Electric Tunnel Thruster CT 100

The 12V, twin propeller CT100 suits a wide range of motor boats and deep footed sailing yachts ranging from 30-53'. This composite thruster has a tunnel diameter of 185mm and a thrust rating up to 90/198 (kg/lbs.).

The CT100, like all Max Power electric tunnel thrusters, is maintenance free, benefits from a long lifespan and integrates all the unique features of this range



CODE	25-00029
VOLTAGE	12V
THRUST	96(kg) / 212(lbs.)
PROPELLERS	2
POWER	7.1 (kw) / 9.5 (hp)
WEIGHT	24 (kg)
A	250 (mm)
B	200 (mm)
C	365 (mm)
D	185 (mm)
E	6 – 7 (mm)

Ignition Protected Thruster CT125-IP

The 24V CT125-IP is the largest Ignition Protected tunnel thruster in the Max Power range with a 185mm diameter tunnel and a thrust rating of 117/257 (kg/lbs.).

This high-performance thruster is suitable for motor boats and deep footed sailing yachts ranging from 35'-58'. Offering all the unique features of the Max Power Ignition Protected tunnel thruster range, this model is ideal where extra thrust power is required.



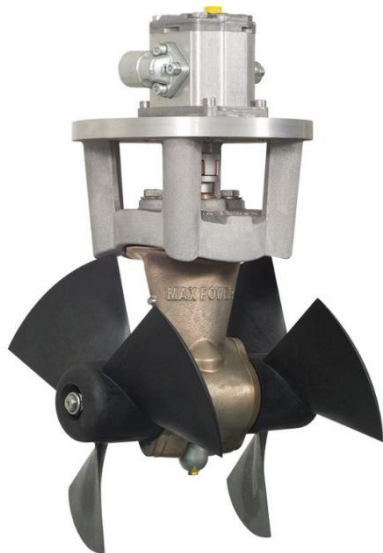
CODE	25-00121
VOLTAGE	24V
THRUST	115 / 254 (kg/lbs.)
PROPELLERS	2
POWER	8.58 / 11.5 (kw/hp)
WEIGHT	27.2 (kg)
A	390 (mm)
B	305 (mm)
C	490 (mm)
D	185 (mm)
E	6 – 7 (mm)

Anchoring & Docking

Thruster

Hydraulic Tunnel Thruster CT HYD 325

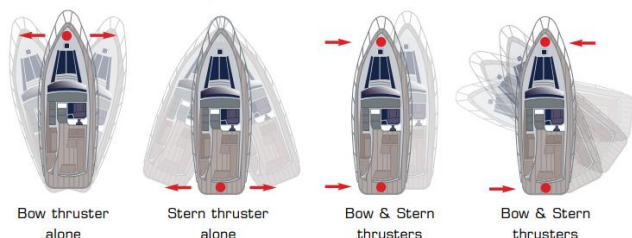
The HYD 325/325 is designed for motor boats and deep footed sailing yachts ranging from 52'-90'. The largest in the hydraulic tunnel thruster range, this twin propeller model has a 185mm diameter tunnel and is available in bronze only. Two different power options offer a thrust rating of up to 250/550 (kg/lbs.) or 275/606 (kg/lbs.).



CODE	25-00110	25-00111
THRUST	250 (kg) / 551 (lbs.)	275 (kg) / 606 (lbs.)
PROPELLERS	2	2
POWER	14 (kw)	20 (kw)
WEIGHT	24 (kg)	24 (kg)
A	240 (mm)	240 (mm)
B	240 (mm)	240 (mm)
C	240 (mm)	240 (mm)
D	315 (mm)	315 (mm)
E	9 - 10 (mm)	9 - 10 (mm)

Stern Pod Thruster CT 225

The Stern Pod offers an innovative solution to the often-difficult tasks of installing a thruster into the stern of modern motor yachts. Combining a dry area on the stern with correct immersion depth and sufficient access is often a challenge.



CODE	25-00128
MODEL	CT225
BOAT SIZE	14 - 22 (m) / 45 - 73'
VOLTAGE	24V
THRUST	195 (kg)
POWER	15 (kw) / 25 (hp)
WEIGHT	61 (kg)

Hydraulic Retractable Thruster R450

Light & robust this thruster unit has been designed specifically for performance yachts, both sail & motor. With positive locking and a unique gas spring lifting system, the R450 can withstand the pounding that offshore performance boats endure.



CODE	25-00139	25-00140
MODEL	R450/34	R450/40
HP	44.23	54.06
KW	33	40.33
FLOW	90 LPM	110 LPM
PRESSURE	220 B	220 B
MOTOR	34cc	40cc

Thruster

Hydraulic Retractable Thruster VIP 150 HYD

Built for the growing 55-75' compact super yacht sector, the hydraulic retractable thruster VIP 150 HYD has an ingenious design, allowing a light, powerful retractable thruster to be built to a competitive price.



CODE	25-00129	25-00130
VOLTAGE	12V	24V
THRUST	120 / 264 (kg/lbs.)	120 / 264 (kg/lbs.)
PROPELLERS	2	2
POWER	10 (kw)	10 (kw)
WEIGHT	28 (kg)	28 (kg)
A	290	290
B	290	290
C	580	580
D	185	185
E	810	810
F	240	240

Electric Retractable Thruster VIP 250 ELECTRIC

Max Power's vertically retracting VIP thrusters use a unique and patented thrust plate design. The largest electric thruster in the Max Power range, the VIP 150 is available in both 12V and 24V and is ideally suited to high performance sailing yachts and super-fast motor yachts 40-60'.



CODE	25-00023
VOLTAGE	24V
THRUST	145 / 319
PROPELLERS	Duo
POWER	9.5 / 12.74
WEIGHT	54

Electric Retractable Thruster COMPACT RETRACT™

Designed for yachts from 9 to 16 meters (30-52'). This lightweight electric retractable thruster, the first of its kind, has been a major success with shipyards from the start.



CODE	25-00142	25-00143
VOLTAGE	12V	24V
THRUST	70 (kg) / 154 (lbs.)	85 (kg) / 187 (lbs.)
PROPELLERS	2	2
POWER	4.79 (kw) / 6.4 (hp)	5.28 (kw) / 7.1 (hp)
WEIGHT	40(kg)	40 (kg)
A	555 (mm)	555 (mm)
B	388 (mm)	388 (mm)
C	385 (mm)	385 (mm)
D	185 (mm)	185 (mm)
E	241 (mm)	241 (mm)

Anchoring & Docking

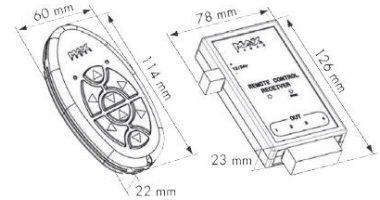
Control Panels

Radio Remote Controls

Max Power Radio remote control is designed to work with our entire range of tunnel and retractable thrusters. The remote control can also be used to operate additional onboard equipment such as windlasses, passerelles, cranes, etc.



- Transmitter rated IP 67
- Supports up to 8 independently control channels
- Each receiver can switch 4 channels (12/24V -2A)
- Each transmitter can handle 2 receivers (8 channels)
- Digital recognition avoids accidental activation of other systems
- Zero power consumption when in standby mode(transmitter)
- Easy to install and set up, simple to use



CODE	DESCRIPTION	FREQUENCY	Voltage	WEIGHT (GR)	DIMENSION
25-00072	Spare Transmitter (EU)	868 MHz	2 pcs of 3V size CR2430	85	114X60X22
25-00073	Spare Transmitter (USA)	915 MHz	2 pcs of 3V size CR2430	85	114X60X22
25-00074	Additional Receiver (EU)	868 MHz	12-24Vdc	100	126X78X23
25-00075	Additional Receiver (USA)	915 MHz	12-24Vdc	100	126X78X23
25-00076	Transmitter + Receiver (EU)	868 MHz	12-24Vdc (Receiver)	310	11460X22 (Transmitter) 126x78x23 (Receiver)
25-00077	Transmitter + Receiver (USA)	915 MHz	12-24Vdc (Receiver)	310	11460X22 (Transmitter) 126x78x23 (Receiver)

Control Panels & Remote Control



Joystick
Code: 25-00158
Compatible with R300 & R450



Touch Panel Double
Code: 25-00159 – Black
Compatible with: All retractable thrusters in combination with **25-00154**, **25-00155**, **25-00160**



Control Panel Boat
Code: 25-00160 - Black
The Boat control panel simplifies the combined use of a bow and stern thruster. Full and simultaneous control of both thrusters is possible via one easy to use manipulator. Stepping the boat sideways or turning 360° on the spot become smooth, simple operations, and each thruster can still be used independently.



Joystick
Code: 25-00156
Code: 25-00157
Compatible with:
Compact Retractable all VIP & R200



Joystick Double
Code: 25-00154 – Black
Code: 25-00155 – Grey
Compatible with: All tunnel thrusters



Joystick Simple
Code: 25-00152 – Black
Code: 25-00153 – Grey
Compatible with: All tunnel thrusters



Touch Panel
Code: 25-00150 – Black
Code: 25-00151 – Grey
Compatible with: All tunnel thrusters

Fenders

Inflatable Heavy-Duty Buoys A-HD Series



Buoys "A-HD" series are presented in 7 different sizes. The rope eye is extra heavy duty. The structure of these buoys is stronger than the models inside the worldwide market. Made with hard and flexible vinyl, special for the sea. They have high abrasion resistance. They resist common dissolvent and mineral oils. They resist sun light.

Features

- Materials:
 - Ropehold: injected P.V.C.
 - Body: rotomolded P.V.C.
- Smooth surface and glossy finish.
- Useful in a wide variety of maritime sectors.
- Solid ribbed injection moulded ropehold.
- High abrasion & sun resistance.
- Smooth surface and glossy finish.
- Quality plastic valve to secure a perfect seal.
- Uniform wall thickness.
- Extra flexible body material.
- Constructed for extreme strength and severe conditions.



CODE	Ø (cm.)	Circumference (cm.)	Length (cm.)	Ø Eye (cm.)	Buoyancy (kg.)	Packing (pcs.)	Colors	Remarks
112-00061	20	70	27	25	6	30	* Other colors upon request	Normal inflation measurements pressure 0,15 bar at approximate 20°C.
112-00062	29	90	41	25	15	20		
112-00063	34	110	49	25	31	15		
112-00064	46	144	57	25	56	10		
112-00065	53	166	64	25	90	10		
112-00066	62	194	80	35	160	8		
112-00067	85	267	100	35	326	5		

Inflatable Marker Buoy BMA-D Series for Water Ski

Features

- Material: rotomolded P.V.C.
- Molded in just one piece.
- Smooth surface and glossy finish.
- Extra flexible body material.

- Excellent choice for water ski and boat courses.
- Uniform wall thickness.
- Durable ropehold.
- Quality plastic valve to secure a perfect seal.

Made of high quality PVC with strong rope eye and inflation valve. Special to mark water-ski zones. An excellent choice for its visibility and durability.

CODE	Ø (cm.)	Buoyancy (kg.)	Ø Eye (cm.)	Packing (pcs.)
112-00077	23	5	17	40
Colors	Normal inflation measurements pressure 0,15 bar at approximate 20°C.			



Mooring Buoys CCFH Series For Water Ski



CODE	Ø (cm.)	Circumference (cm.)	Length (cm.)	Total Length (cm.)	Buoyancy (kg.)
112-00107	43	135	44	87	27
112-00108	52	164	55	90	55
112-00109	60	180	65	92	104
Colors	Normal inflation measurements pressure 0,15 bar at approximate 20°C.				

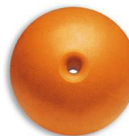
Made of high quality PVC, hot dipped galvanized steel rod and swivel, with strong rope eye and inflation valve. High abrasion and sun resistance. Extra flexible body material. Quality plastic valve to secure a perfect seal. Special to mark water-ski zones. An excellent choice for its visibility and durability.

Pear Shaped buoy



CODE	112-00103	112-00104
Ø (cm.)	25	25
Height (cm.)	40	40
Buoyancy (kg.)	10	10
Packing (pcs.)	20	20
Color	Orange	Yellow

Floats Buoy



CODE	112-00020
Ø (mm.)	280
Working Depth (m.)	560
Buoyancy (gr.)	8.400
Hole (mm.)	24
Max. Depth (m.)	800
Impact Strength (kg./m.)	35
Color	Yellow
Packing (pcs.)	5

Central hole models. Specially for trawling at medium and great depths.

2 Miles LED Torch



- Autonomy 25 nights
- Flashes 12 p/min
- Range 2 miles

Colors	White	Yellow	Red	Green
CODE	112-00150	112-00151	112-00152	112-00153



Inflatables Pick-Up Buoy

CODE	Ø (mm.)	Buoyancy (kg.)	Ø Eye (cm.)	Packing (pcs.)
112-00105	24.5	8	25	15

Anchoring & Docking

Fenders

Inflatable Heavy-Duty Fenders - F Series



Features:

- Materials:
 - Ropeholders: injected P.V.C.
 - Body: rotomolded P.V.C.
- High abrasion & sun resistance.
- Extra flexible body material.
- Quality plastic valve to secure a perfect seal.
- Solid ribbed injection molded ropehold.
- Twin eye for vertical or horizontal use.
- Uniform wall thickness.
- Smooth surface glossy finish.
- Constructed for extreme strength.
- Suitable for almost any kind of boat.

These strongest fenders are molded in just one piece with hard and flexible vinyl special for the sea. They have high abrasion resistance. When they are used as inflatable floats, they find application for cables and floating pipelines. They resist common solvents and mineral oils.

CODE	Ø (cm.)	Circumference (cm.)	Length (cm.)	Ø Eye (cm.)	Buoyancy (kg.)	Packing (pcs.)	Colors
112-00004	11.5	36	42	15	3	30	
112-00005	15	46	61	15	8	25	
112-00006	18	54	61	15	10	20	Normal inflation measurements pressure 0,15 bar at approximate 20°C.
112-00007	22	68	62	25	13	15	
112-00008	22	68	75	25	20	10	
112-00009	22	68	106	25	35	10	
112-00010	30	95	77	25	45	15	
112-00011	27	90	100	25	65	10	
112-00012	38	120	125	35	120	8	

Inflatable Fenders Poly G Series

Features:

- Materials:
 - rotomolded P.V.C.
- Twin eye for vertical or horizontal use.
- Uniform wall thickness.
- Smooth surface glossy finish.
- Reinforced ribs along the body.
- Suitable for small and medium size pleasure boats.
- Empty reinforced ropehold.
- Molded in just one piece.
- High abrasion & sun resistance.
- Extra flexible body material.
- Quality plastic valve to secure a perfect seal.



Colors




Normal inflation measurements pressure 0,15 bar at approximate 20°C.



CODE	Ø (cm.)	Circumference (cm.)	Length (cm.)	Ø Eye (cm.)	Packing (pcs.)
112-00013	9	28	33	0.95	40
112-00014	11.5	36	40.6	1.27	30
112-00015	14	44	50.8	1.59	35
112-00016	16.5	52	58.5	1.91	20
112-00017	21.6	68	70	1.91	15

Inflatable Fenders JP Series

CODE	112-00018	112-00019	112-00020
Ø (cm.)	13	18	25
Circumference (cm.)	41	58	76
Length (cm.)	40	61	83
Ø Eye (cm.)	1.3	2	2.5
Buoyancy (kg.)	3	10	25
Packing (pcs.)	25	25	15
Colors			
Normal inflation measurements pressure 0,15 bar at approximate 20°C.			



Features:

- Materials:
 - rotomolded P.V.C.
- Twin eye for vertical or horizontal use.
- Uniform wall thickness.
- Smooth surface glossy finish.
- Quality plastic valve to secure a perfect seal.
- Empty reinforced ropehold.
- Molded in just one piece.
- High abrasion & sun resistance.
- Extra flexible body material.
- Suitable for small and medium size pleasure boats.

Inflatable Fender with Twin-Eye Design



CODE	Ø (cm.)	Circumference (cm.)	Longitude (cm.)	Ø Eye (cm.)	Buoyancy (kg.)	Packing (pcs.)	Colors
112-00001	18	58	51	20	10	20	
112-00002	22	68	60	20	15	15	
112-00003	26	84	71	22	23	15	

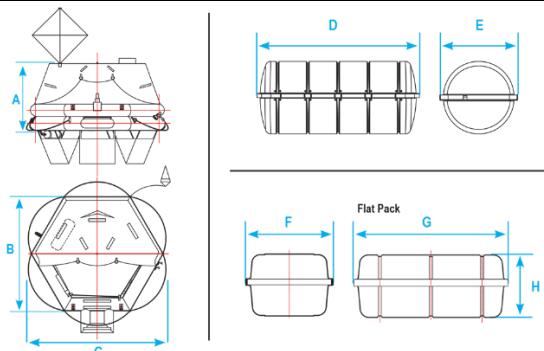
Liferafts & Accessories

Throw Overboard Type SOLAS Approved by Germanischer Lloyds



Code	Max Persons	Pack	Dimensions (mm)								
			A	B	C	D	E	F	G	H	Cradle
21-02327	6	A	1200	2104	2104	1090	615	-	-	-	600 x 560
21-02348		B				1045	545	-	-	-	-
21-02328	8	A	1250	2390	2390	1090	615	-	-	-	600 x 560
21-02336		Flat-A				-	-	564	994	405	-
21-02349	10	B	1400	2694	2694	1045	545	-	-	-	600 x 560
21-02329		A				1230	630	-	-	-	-
21-02350	12	B	1500	2924	2924	1090	615	-	-	-	600 x 560
21-02330		A				1230	630	-	-	-	-
21-02337	15	Flat-A	1600	3238	3238	-	-	664	1044	405	-
21-02351		B				1090	615	-	-	-	-
21-02331	20	A	1600	4304	2974	1285	670	-	-	-	600 x 660
21-02352		B				1230	630	-	-	-	-
21-02332	25	A	1650	4894	3194	1335	696	-	-	-	600 x 660
21-02353		B				1285	670	-	-	-	-
21-02333	30	A	1700	5384	3414	1490	757	-	-	-	1000 x 710
21-02354		B				1335	696	-	-	-	-
21-02334	35	A	1750	5899	3568	1700	765	-	-	-	1000 x 710
21-02355		B				1490	757	-	-	-	-
21-02335		A				1700	765	-	-	-	1000 x 710
21-02356		B				1490	757	-	-	-	-

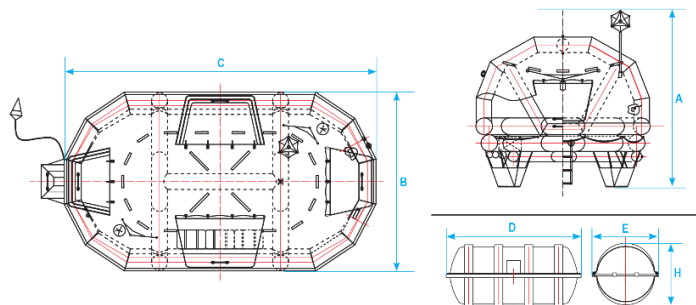
List of Equipment	Amount	
	SOLAS Pack A	SOLAS Pack B
Portable buoyant bailer	"(Up to 12 persons) 1 pc (More than 12 persons) 2 pcs."	"(Up to 12 persons) 1 pc (More than 12 persons) 2 pcs."
Sponge	2	2
Buoyant paddles	2	2
Whistle	1	1
Waterproof torch (with separate battery and bulb)	1	1
Signaling mirror	1	1
Anti-seasickness pills, per person	6	6
Seasickness bag, per person	1	1
Red hand flares	6	3
Red parachute flares	4	2
Repair kit	1	1
Bellows	1	1
Operational manual	1	1
Survival at sea - Instruction Manual	1	1
Table of the life-saving signals	1	1
Log Book	1	1
First-aid kit	1	1
Orange Smoke Signals	2	1
Food ration, per person	10000kJ	-
Fresh water, per person	1.5L	-
Sea-anchor	2	2
Tin opener	3	-
Fishing tackle	1	1
Radar reflector	1	1
Thermal protective aids	2	2
Drinking cup	1	-
Buoyant rescue quito	1	1
Safety Knife	"(Up to 12 persons) 1 pc (More than 12 persons) 2 pcs."	"(Up to 12 persons) 1 pc (More than 12 persons) 2 pcs."



Throw Overboard Self-Righting Type SOLAS Approved by Germanischer Lloyds



Code	Max Persons	Pack	Dimensions (mm)					
			A	B	C	D	E	H
21-02308	25	A	2250	3130	5350	1700	765	680
21-02311		B				1490	757	678
21-02309	50	A	2900	4275	7470	2095	895	877
21-02312		B				1800	810	700
21-02310	100	A	3400	5380	11090	2400	1050	1050
21-02313		B				2095	895	995

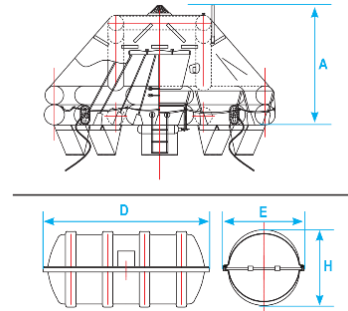
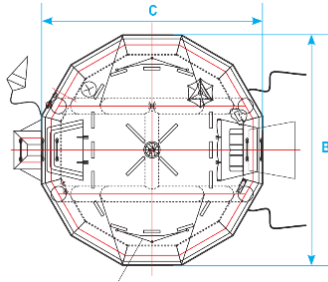


Safety

Davit-Launched Type SOLAS Approved by Germanischer Lloyds



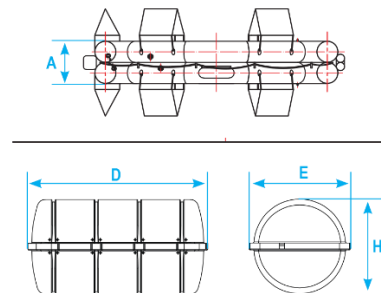
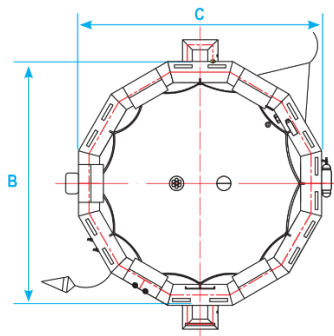
Code	Max Persons	Pack	Dimensions (mm)					
			A	B	C	D	E	H
21-02338	15	A	1550	3310	3220	1350	700	660
21-02341		B				1285	670	575
21-02339	20	A	1850	3815	3715	1470	750	710
21-02342		B				1350	700	660
21-02340	25	A	2000	4225	4065	1680	770	710
21-02343		B				1470	750	710



Open Reversible Type



Code	Max Persons	Pack	Dimensions (mm)						
			A	B	C	D	E	H	Cradle
21-02344	25	HSC	712	4114	4114	1090	615	530	600 x 560
21-02345	30		746	4474	4474	1230	630	550	600 x 560
21-02346	50		854	5680	5680	1490	757	678	600 x 660
21-02347	60		914	6434	6434	1700	755	680	600 x 660



International Liferaft ISO-RAFT, ISO 9650-1



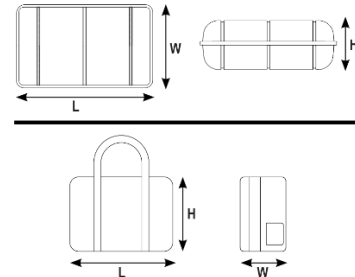
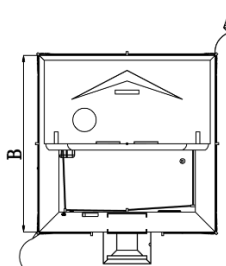
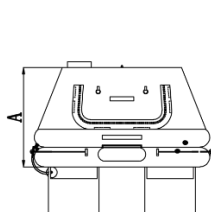
Code	Max Persons	Container	Weight (kg)	Dimensions (mm)				
				A	B	L	W	H
21-02318	4	Canister	38	1170	1634	760	480	330
21-02319	6	Canister	42	1200	1956	760	480	330
21-02320	8	Canister	50	1250	2224	770	550	345
21-02321	10	Canister	56	1300	2458	820	570	355
21-02322	12	Canister	62	1350	2667	920	570	340
21-02323	4	Valise	32	1170	1634	680	250	400
21-02324	6	Valise	36	1200	1956	710	280	420
21-02325	8	Valise	38	1250	2224	710	280	420
21-02326	10	Valise	45	1300	2458	800	300	470



Canister



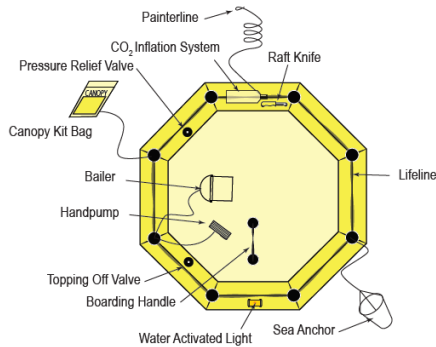
Valise



Liferaft LEISURE-RAFT



Code	Max Persons	Description	Dimensions (mm)						Weight (kg)
			L	W	H	Valise Length	Valise Width	Valise Height	
21-02140	4	With canopy	2004	2004	1170	410	330	150	9.1
21-02141	4	Without canopy	2004	2004	1200	410	320	140	8.2
21-02142	6	With canopy	2443	2443	1170	500	350	190	12.5
21-02143	6	Without canopy	2443	2443	308	500	340	180	11.5



Standard Equipment

- 20 ft. (6m) Painterline
- Hand Pump - Sea Anchor
- Raft Knife
- Pressure Relief Valve
- CO2 Inflation System
- Water-Activated Locator -Light
- 2 Ballast Bags
- 1 case



HAMMAR H20 Hydrostatic Release for Liferafts (USCG & SOLAS/MED Approved)

- Simple to install
- No spare parts or service required
- Must be replaced two years after installation

Code: 21-01317

Mooring Ring with 30m rope

- Specifications:
- Designed for retrieval of MOB
 - PVC moulded ring, tied to a 30m floating rope
 - Ext. Diam.: 166 mm
 - Int. Diam.: 110 mm

Code: 21-00490



Lashing with Hook

- Suitable for :
- All Hydrostatic Release Units
 - OCEANO Life Raft Capacities

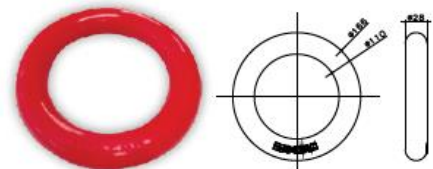
Lashing with Hook for Liferafts 6-35 prs
Code: 21-02027

Lashing with Hook for Liferafts > 50 prs
Code: 21-07558



Mooring Ring Ø166

Code: 21-02259



Thermal Protective Aid "Alusafe-T" - LSA Code



- SOLAS Approved by "Lloyds" Registry
- Constructed with aluminium film coated fabric, protecting against hypothermia
- Ideal for prolonged exposure in liferaft and rescue boats
- Survivor's protection from wind and cold is warranted
- Dimensions: 2,20x0,98 m

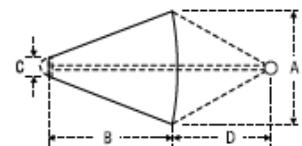
Code: 21-01345



Sea Anchor (Drogue)

Made of strong coated PVC with continuous webbing inside, for added strength. Suitable for boats between 4,5-12m.

Code	Boat Length	Dimensions (cm)			
		A	B	C	D
21-00057	4,5 m	50	55	8	64
21-00058	6 m	65	75	10	70
21-00059	7,5 m	125	125	17	125
21-00060	9 m	135	142	20	125
21-00061	12 m	190	145	20	130



Visual Signals



Comet Parachute rocket, Red
Code: 21-07559



Comet Handflare, Red
Code: 21-07560



Comet floating smoke signal
Code: 21-07561



Safety

Watersports Buoyancy Aids & CE & ISO Foam LifeJackets

Neo Buoyancy Aids 50N, CE ISO 12402-5



The Neo Buoyancy aid is a new design, made of neoprene fabric for tighter and stylish fit. It offers a new level of comfort and buoyancy, two webbing moving fasteners for total safety, neoprene outer shell, plastic zip, net holes for removing water and SOLAS retro reflective tapes. Approved to the latest European standards for 50N buoyancy aids, ISO 12402-5. All of its raw materials are certified per ISO 12402-7 and ISO 12402-8 for higher strength, quality and durability. It is available in white/red/black color combination.

Code	Type	Weight	Chest Size (cm)	Buoyancy (N)
21-01652	Adult	40-50	80-90	45



Performance Buoyancy Aids 50N, CE ISO 12402-5



The Performance Buoyancy Aid has an ergonomic design that provides better fitting and storage. It features a polyester outer shell, while its buoyant material is Soft PVC. It offers a new level of comfort and buoyancy, while it features one waist webbing fastener for total safety, pocket with velcro tape, plastic zip and SOLAS retro reflective tapes. Its reflective silver edging and advanced back neck area complete its design characteristics. Approved to the latest European standards for 50 Newton buoyancy aids, ISO 12402-5. All of its raw materials are certified per ISO 12402-7 and ISO 12402-8, for higher strength, quality and durability. It is available in blue/white color combinations.

Code	Type	Weight	Chest Size (cm)	Buoyancy (N)
21-01676	Adult	>70	100-130	55



Lifejackets 100N, CE ISO 12402-4



The 100 Newton lifejackets reduce the risk of drowning for both swimmers and non-swimmers in sheltered waters in most conditions. Specifically designed to turn the unconscious user face up and support the head. It provides an improved fit and maximum safety. A large flotation collar supports the user's head for keeping the head out of water and its design provides the user's return on time. The lifejackets have a crotch strap for keeping the vest securely whilst in the water, while the small size also features fabric pampers. It includes, one webbing fastener, whistle, plastic zip and SOLAS retro reflective tapes. An end rope with plastic button is fixed at the end of each lifejacket for adjustable wearing. Approved to the latest European standards for 100 Newton lifejackets, ISO 12402-4. All of its raw materials are certified per ISO 12402-7 and ISO 12402-8, for higher strength, quality and durability. It is available in 6 sizes, in fluorescent orange color.

Code	Type	Weight	Chest Size (cm)	Buoyancy (N)
21-02065	Baby	3-10	50-60	32
21-01660	Child	15-30	60-70	45
21-01661		30-40	70-80	55
21-01662	Adult	40-50	80-90	66
21-01664		70-90	110-120	105
21-01665		>90	120-130	115



Lifejackets 150N, CE ISO 12402-3



It is a new design with high buoyancy for maximum security. A large flotation collar supports the user's head for keeping the head out of water and its design provides the user's return on time. The lifejackets have a crotch strap for keeping the vest securely whilst in the water, while the small size also features fabric pampers. It includes one webbing fastener, whistle, plastic zip and SOLAS retro reflective tapes. An end rope with plastic button is fixed at the end of each lifejacket for adjustable wearing. It also provided with a lifting loop for rescue. Approved to the latest European standards for 150Newton lifejackets, ISO 12402-3. All of its raw materials are certified per ISO 12402-7 and ISO 12402-8, for higher strength, quality and durability. It is available in 4 sizes, in fluorescent orange color.

Code	Type	Weight	Chest Size (cm)	Buoyancy (N)
21-01666	Child	15-30	60-70	65
21-01668	Adult	40-50	80-90	99
21-01670		70-90	110-120	155
21-01671		>90	120-130	165

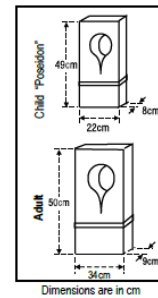


SOLAS Foam Lifejackets

SOLAS Lifejackets (L.S.A. Code)

The SOLAS Lifejacket (L.S.A Code) is primarily suitable for the commercial market. Available in child and adult sizes, with or without light.

Code: **21-01277** (Adult/150N Body Weight >32kg.)



ISO Inflatable Lifejackets

Sigma Inflatable Lifejackets 170N, CE ISO 12402-3

The Sigma lifejacket is an economic lifejacket available in auto and manual version. The ultra-lightweight design makes Sigma comfortable to wear and its webbing system makes it a user-friendly lifejacket. According to each code, they feature one chamber which can be inflated via Lalizas manual inflation mechanism (certified per ISO 12402-7) or via Lalizas auto inflation mechanism (certified per ISO 12402-7) and is equipped with an oral inflation tube with non-return valve (certified per ISO 12402-7). The inflatable bladder, which is made of High Visibility Yellow fabric, is folded into a nylon red cover with Velcro closure and it is also equipped with Lalizas retro reflective tapes (21-01286) and whistle (21-01152, certified per ISO 12402-7 & 8). They are provided with lifting loop and heavy-duty D-ring for easier rescue.



Sigma Life Jackets feature the following characteristics:

- CE ISO 12402-3 approval
- CE ISO 12401 approval on all integral black harnesses
- Twin welded air bladder seam for double security (Alpha)
- Ultra reliable firing mechanism
- Compatible with all major suppliers CO₂ bottles
- Commercial heavy-duty weight protective outer cover
- Easy re-packing
- Economical re-arming kits
- 170 Newtons of buoyancy when fully inflated
- Auto heads designed not to fire in heavy weather
- Maintain the correct flotation position in the water (face-up)
- Fully adjustable straps
- Heavy-Duty, Stainless D-Rings for attachment of a safety line

Code: **21-01679** (Adult/ Manual Gas)



Sigma Inflatable Lifejacket Auto, Adult, 170N, ISO 12402-3, with D-ring & clip crotch strap, without harness

Code: **21-02077**

Alpha Inflatable Lifejackets 170N, CE ISO 12402 – 3

The Alpha gas inflation lifejacket has been designed to offer affordable safety for all. Its compact design, low weight, high quality construction is directly attributable to our class leading Omega lifejacket. The Alpha lifejacket offers a more rationalized design for the coastal and inshore yachtsmen. According to each code, they feature one chamber which can be inflated via Lalizas manual inflation mechanism (certified per ISO 12402-7) or via Lalizas auto inflation mechanism (certified per ISO 12402-7) and is equipped with an oral inflation tube with non-return valve (certified per ISO 12402-7). The inflatable bladder, which is made of High Visibility Yellow fabric, is folded into a nylon red cover with Velcro closure and silver ending and it is also equipped with Lalizas retro reflective tapes (21-01286) and whistle (21-01162, certified per ISO 12402-7 & 8). They are provided with lifting loop and heavy-duty D-ring for easier rescue.



Code	21-01680	21-01682	21-01683
Adult	•	•	
Child			•
Automatic Gas	•		•
Manual Gas		•	
With Harness	•		•



Alpha Lifejackets feature the following characteristics:

- CE ISO 12402-3 approval
- CE ISO 12401 approval on all integral black harnesses
- Twin welded air bladder seam for double security
- Ultra reliable firing mechanism
- Compatible with all major suppliers CO₂ bottles (Thread 1/2")
- Commercial heavy-duty weight protective outer cover
- Auto heads designed not to fire in heavy weather
- Easy re-packing
- Economical re-arming kits
- 170 Newtons of buoyancy when fully inflated
- Maintain the correct flotation position in the water (face-up)
- Fully adjustable straps
- Heavy-Duty, Stainless D-Rings for attachment of a safety line

Safety

Omega Inflatable Lifejackets 290N, CE ISO 12402-2

The new range of Omega inflatable lifejackets 275N complies with ISO 12402-2. Omega gas inflation lifejacket's slim fit, light weight design and rugged constructions are combined to form the ultimate in lifejacket technology. They feature one chamber which can be inflated via Lalizas auto inflation mechanism (certified per ISO 12402-7) and is equipped with an oral inflation tube with non-return valve (certified per ISO 12402-7). The inflatable bladder, which is made of High Visibility Yellow fabric, is folded into a nylon red cover with Velcro closure and it is also equipped with Lalizas retro reflective tapes (21-01286) and whistle (21-01152, certified per ISO 12402-7 & 8). They are provided with lifting loop and heavy-duty D-ring for easier rescue.



Omega Lifejackets feature the following characteristics:

- CE ISO 12402-2 approval
- CE ISO 12401 approval on all integral black harnesses
- Twin welded air bladder seam for double security
- Ultra reliable firing mechanism
- Compatible with all major suppliers CO₂ bottles (Thread 1/2")
- Commercial heavy-duty weight protective outer cover
- Easy re-packing
- Economical re-arming kits
- 290 Newtons of buoyancy when fully inflated
- Auto heads designed not to fire in heavy weather
- Maintain the correct flotation position in the water (face-up)
- Fully adjustable straps
- Heavy-Duty, Stainless D-Rings for attaching a safety line



Code: **21-01685** (Adult/Automatic Gas)

Code: **21-07556** (Adult/Manual Gas)

SOLAS Inflatable Lifejackets

Inflatable Lifejackets Lamda Auto, SOLAS, 150N, 275N & 330N

The new top-of-the-range Lalizas SOLAS Lamda 330N inflatable life jacket offers the ultimate sense of security against every situation in any sea across the world, thanks to the great size of its chamber and the 330 Newton buoyancy provided by the double 60gr CO₂ cylinders. Having more than 300 Newton it is designed to be worn when the user is wearing heavy duty clothing or with an abandonment suit - where it guarantees to self-right wearer in less than five seconds. It is certified and applies the specifications of the HSE Compatibility Test protocol for Lifejackets and Immersion suits on Offshore installations and it is SOLAS/ MED (1463) approved.



Front



Back

LALIZAS Inflatable Lifejacket Lamda Auto, SOLAS (150N)

Code: **21-01686**



Inflatable Lifejackets Accessories



CO2 Cylinder, 60gr.
Code: **21-00039**



CO2 Cylinder, 33gr.
Code: **21-00008**



CO2 Cylinder, 24gr.
Code: **21-00009**



Auto re-arm kit for JS1 adult life jacket
Code: **21-00481**



Auto re-arm kit for JS1 child life jacket
Code: **21-00482**



Manual re-arm kit for adult life jacket & safety pin
Code: **21-01827**



Auto re-arm mechanism Hammar MA1 & cylinder 33gr
Code: **21-01990**



Life-Link Safety Harnesses
CE ISO 12401
Code: **21-01714**



Safety Line Life-Link, double, ISO 12401, Length 185cm
Code: **21-01717**

Lifejacket LED flashing light "Safelite IV" ON-OFF water activated, L.S.A. Code



Code: **21-02199**

Lifejackets Accessories

Nautical Whistle

Commercial grade, non-corrosive, pea-less marine whistle. Manufactured in accordance with SOLAS 74/83. Approvals: EC-Type Certificate ISO 12402-8 & 7 Parts, PRS

Code	Color
21-01152	Blue
21-01162	Orange



Retro reflective Tape (ROLL) - SOLAS

Approved by the US Coast Guard and Bureau Veritas
Length 40 m, width=50mm

Code: 21-01286



MOB System

Rescue Systems



Life link mini, M.O.B. rescue system
with 20m rope
Code: 21-01946



Rescue Systems Life-Link
Rail mounted PVC stowage bag
50m floating line Soft PVC
Life-Link with webbing strap
Code: 21-00484



Lifeguard
Salvagente ad uso specifico per salvamento.
Personal protection device for rescue.
Code: 114-00028



Corda regolamentare per anulari, 30 mt. Ø 8 mm.
Carico di rottura Kg. 400
Life buoy rope length 30 mt. Ø 8mm.
Code: 114-00027

Lifebuoy Rings

GIOVE Lifebuoy Ring SOLAS

The Lifebuoy Ring, SOLAS features 4 retro-reflecting tapes and a 3 m grabline. Polyethylene outer structure, filled with polyurethane foam. Stowage height: anywhere up to 30 m above the waterline. Ø ext. 60 cm / Ø int. 40 cm / Height 12 cm / Weight 2.5 kg / Buoyancy 144 N

Code: 21-00718



Lifebuoy Ring, No 45 with rope
Ext.Diam. 420mm
Int.Diam. 210mm
Code: 21-01109

Lifebuoy Ring SOLAS with retroreflective tapes

Designed for pleasure and commercial usage, features an orange, rack hard, cross-linked polyethylene outer shell that will not deteriorate and is unaffected by extreme weather conditions CE approved to SOLAS (L.S.A Code)* by DNV - GL.

Code	21-01215	21-01234
Weight (kg)	2.5	4
Drop Height (m)	80	80

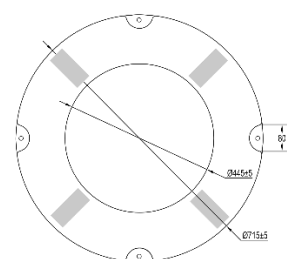
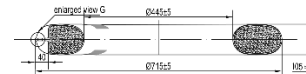


Container signaling
rescuing presidium
Code: 114-00029



Holder for lifebuoy ring & light
Glass-reinforced plastic.
Fits easily on any rail Ø 18 to 25 mm.

Code: 21-00929



Holder for
Lifebuoy Ring &
Horseshoe

Code: 21-03615

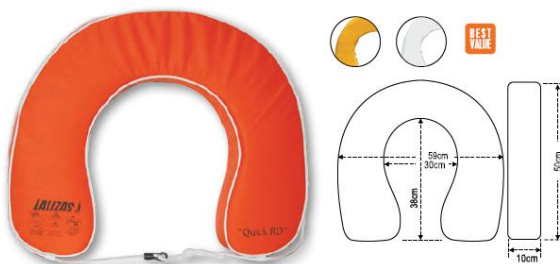
Safety

Horseshoes Lifebuoy

Horseshoe Lifebuoy "Quick RD", 145N

The new Lalizas horseshoe lifebuoy is made of polyester with PVC backing. It is waterproof; its fabric doesn't fade, while it is highly resistant to UV radiation. For storing this lifebuoy, it is available in three colors, orange, yellow and white.

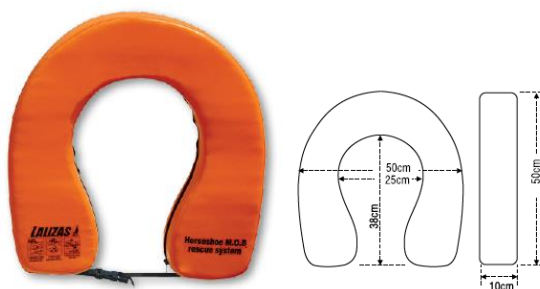
Code	21-01272	21-01273	21-01274
Color	Yellow	Orange	White



Horseshoe Lifebuoy "Basic I", 140N

Horseshoe Lifebuoy "Basic I" consists of a flexible zipper cover and features a plastic clip fastening. It is available in one size and in three different colors white, yellow and orange.

Code	21-00487	21-00485	21-00486
Color	Yellow	Orange	White



Holder for Lifebuoy Ring & Horseshoe

Code: 21-03615



Holder for ring or horseshoe life buoy

Code: 21-00496



CABO Floating Rope Diam. 8mm, L 30m, orange

Code: 21-01313



Lifebuoy Light M.O.B (LSA Code)

This lifebuoy light complies with the L.S.A code capable of burning continuously with a luminous intensity of not less than 2cd in all directions of the upper hemisphere for a period of at least 2h (at white color). CE approved to SOLAS (L.S.A Code)* by Bureau Veritas*.

Code: 21-01172

Spare bulb for lifebuoy light



Blister Bulb
4,8V/0,75A, E10
Code: 21-00598



Bulb 4,8V/0,75A, E10
Code: 21-00020



Lifebuoy Light Holder

High quality black polycarbonate lifebuoy light holder. Designed to hold the light vertically in the 'off' position and provide easy removal in emergencies.

Code: 21-01147

STELLA Lifebuoy LED Light SOLAS

Floating lifebuoy light with high-visibility LED light. Very compact lifebuoy light, low power consumption. LED-type flashlight, operates with one R20 alkaline battery. 360° arc of visibility.

Dimensions: 160 x 80 x 80 mm.

Weight: 90 g. (without battery).

- Light intensity: 2 cd
- Duration: Approx. 8 hours at 60 flash/minute
- Battery: 1 x R20 battery

Code: 21-04711



Radar reflector, Tube type

Code	Description	Length (cm)	Diameter Ø (cm)
21-02073	for sailboat	58	5
21-02074	for powerboat		

21-02073

21-02074

Signal Horn Set ECO - 300ml

- Non-flammable Gas
- 99,5% Lower GWP

Code: 21-02195



Motoring Cone

This signal should be displayed on sailing boats, when travelling under power. Indicates use of motor on a sailing boat. Folds flat. Dimensions 350x340 mm

Code: 21-00476



Anchor Ball

Internationally recognized daytime signal used by boats when at anchor. Made of tough polypropylene. Folds easily for storage.

Code	Diameter (mm)
21-00475	300
21-00720	350

Straight Pattern Brass Dividers

Dividers are necessary tools in distance calculation and generally in navigating the boat. Lalizas dividers are constructed with bronze arms and tips with special metal alloy, for extra resistance. They are available in two sizes 17,8cm (7") and 20,3cm (8")

CODE	21-03529	21-03530
LENGTH	17,8cm (7")	20,3cm (8")

Single Handed Dividers

These dividers can be opened and closed with one hand, while performing your chart work. The top curved part of the handle is brass and the tapered sides are bright finished marine alloy. They are considered to be the best nautical dividers available.

CODE	21-03523	21-03524
LENGTH	17,8cm (7")	20,3cm (8")

Parallel ruler

CODE	21-03531	21-03532
LENGTH	(15")	(12")

**Barometer "Tempo"**

Diam. 70mm, Brass

21-01747

**Clock Quartz "Tempo"**

Diam. 70mm, Brass

21-01749

**Thermo/hydrometer "Tempo"**

Diam. 70mm, Brass

21-01751

**Binocular Autofocus Seanaf**

Angle of Vision: 6.2o
Exit Pupil: 7,1mm
Eye Relief: 10mm
Focus: Auto-focus
Prism Type: Porro K9
Field of View: 133@1000m
Lens Coating: Fully coated
Housing: Rubber
Dimensions: 6,5x19x20cm
Weight: 750gr
Magnification x Objective Lens Diameter: 7 x 50



21-00685

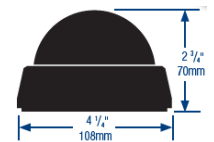
Sport Compass**Kayaker, 3" Dial**

Dial Size/Design 2 3/4" (76mm)/CombiDial

Warranty 5-Year

Weight 1 lb. (454g)

12-00020



12-00021

**Binocular Waterproof with Compass**

Angle of Vision: 7.5o
Exit Pupil: 6,8mm
Eye Relief: 23mm
Focus: Individual Waterproof: Yes
Fog proof: Yes
Floating: Yes
Prism Type: Porro BAK-4
Field of View: 132@1000m
Rangefinder: Yes
Lens Coating: Fully coated
Compass: Yes
Dimensions: 20x8x15cm
Weight: 890gr
Magnification: 7X Lens Diameter: 50mm



21-00700

Sport Tactician, 3" Dial – Sailboat Racing Compass

Dial Size/Design 3" (76mm)/CombiDial with Tactical Quadrants to show Wind Shifts and Headers

Warranty 5-Year

Weight 1lb. (454g)

12-00023

**Night Vision Monocular**

Field of View: 5o x 3.75o
Ocular adjustment range: +/- 0.6
Observing distance: 2m (Low light environment) 200m- (Dark env.)
Voltage: 3.7V DC
Battery: RCR123A rechargeable
Charger: 5.0V/2A Adaptor
Dimensions: 200 x 86 x 56mm
Weight: 400g
Magnification: 5X Lens Diameter: 40mm



21-02106

Sport About, 2" Dial

Dial Size/Design 2" (51mm)/Direct-Read Dial
3 Cyalume Light Sticks
Lighting Included

Warranty 5-Year

Weight 1 lb. (454g)

12-00024

**Sport Bracket Mount**

Dial Size/Design 2" (51mm)/Direct-Read Dial
Night Lighting 12V Green
Compensators Built-in
Warranty 5-Year
Weight 5 oz. (142g)

12-00029 (Grey)



12-00027 (Black)



12-00028 (White)

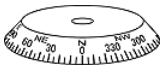


Navigation & Publication

Marine Compass

- Hermetically sealed and liquid-filled spherical compass capsules
- All models are adopted dual ALNICO-5 magnets on card, and with built-in compensators
- The wide-angle operation system is specially designed to function with stability under extreme vibration.
- All models are equipped with shock absorbing system used in aircraft compass.

- Precision is assured to withstand for constant pounding to be inherent in power boating.
- The expansion diaphragm of capsules is for bubble-free use under the temperature of -40°C to 60°C (-40°F to 140°F).
- Supplied with 12V lighting system for night illumination.
- Allows tilting up to about 30 degrees.
- Suitable for speedboat and cruiser.



5° graduation
Conical card (Counter dial)



5° graduation Flat card

Conical Card
Flat card

Size: 145x152x92 mm

Weight: 520 g

Black **115-00001**

Black **115-00004**



Metallic Grey **115-00002**

Metallic Grey **115-00005**



Ivory **115-00003**

Ivory **115-00006**



Conical Card

Black **115-00007**

Flat card

Black **115-00010**

Size: 185x170x170 mm

Weight: 1,100 g



Metallic Blue **115-00008**

Metallic Blue **115-00011**



Ivory **115-00009**

Ivory **115-00012**



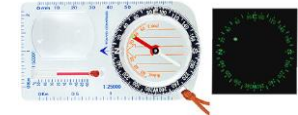
Field Compass No. 162

Size: 100x55x11 mm / 34g

Material: Acrylic

Large magnifying glass : 3x

Scale 1:1, 1:25000, 1:50000



Explorer Bracket Mount

Dial Size/Design	2 3/4" (70mm)/ Direct-Read Dial
Night Lighting	12V Green
Compensators	Built-in
Warranty	5-Year
Weight	1 lb. (45g)

12-00001 (Black)



12-00002 (Grey)



12-00003 (White)



Voyager Flush Mount

Dial Size/Design	3" Power Damp Flat Dial
Night Lighting	12V Green
Compensators	Built-in
Warranty	5-Year
Weight	1 lb. 8 oz. (680g)

12-00025 (White)
12-00026 (Black)



Voyager Surface Mount

Dial Size	3" (76mm)/ Combi Dial
Night Lighting	12V Green
Compensators	Built-in
Warranty	5-Year
Weight	1 lb. 3 oz. (539g)

12-00007



Helmsman with Steel Boat Quadrantal Correctors

Dial Size/Design	3 3/4" (57mm)/Flat-Card Dial
Night Lighting	12V Green
Overall Dimensions	12" x 6 1/6" (305mm x 157mm)
Base	4 3/8" (111mm)
Weight	6 lb. (2.72kg)

12-00018



Explorer Surface Mount

Dial Size/Design	2 3/4" (70mm)/ Direct-Read Dial
Night Lighting	12V Green
Compensators	Built-in
Warranty	5-Year
Weight	1 lb. (454g)

12-00006





VHF/FRS CASE STORE-ALL

Dimensions
Length: 13,5cm
Height: 11,5cm
Width: 8cm
Code: **22-00931**



GPS/CELL PHONE CASE STORE-ALL

Dimensions
Length: 18,5cm
Height: 10,5cm
Width: 9cm

White	Graphite
22-00929	22-00930



Code	Title	Length	Height
22-00934	Drink Holder 'Store-All', 11x11x10cm - White	11cm	10cm
22-00963	Drink Holder 'Store-All', 11x11x10cm - Graphite	11cm	10cm



Isotherm Cover "Store-All"
Code: **22-00984**



OCEAN ALVEA Support Blue
Code: **23-00138**



OCEAN CAN HOLDER clip-on, Blue
Code: **23-00124**



OCEAN CAN HOLDER clip-on, White
Code: **23-00130**



Code	Title	Length	Width	Height
22-00941	Folding Double Drink Holder, 'Store-All', 25,8x10,5x11cm - White	25.8cm	10cm	11cm
22-00947	Folding Double Drink Holder, 'Store-All' 25,8x10,5x11cm- Graphite	25.8cm	10cm	11cm

Key-ring buoy-shaped



Key holder-cork, floating, round
Code: **21-02029**



OCEAN Keychain Buoy
Code: **23-00087** (Red)
Code: **23-00088** (White)



Key-Ring Floating
Code: **22-00566**



Set of Kill Switch Key w/Coil Lanyard for Omc Eng.
Code: **22-00249**

Marine grade stainless steel

Grade 316 is the standard molybdenum-bearing grade, second in importance to 304 amongst the austenitic stainless steels. The molybdenum gives 316 better overall corrosion resistant properties than Grade 304, particularly higher resistance to pitting and crevice corrosion in chloride environments. It has excellent forming and welding characteristics. It is readily brake or roll formed into a variety of parts for applications in the industrial, architectural, and transportation fields. Grade 316 also has outstanding welding characteristics. Post-weld annealing is not required when welding thin sections.

Grade 316L, the low carbon version of 316 and is immune from sensitization (grain boundary carbide precipitation). Thus, it is extensively used in heavy gauge welded components (over about 6mm). Grade 316H, with its higher carbon content has application at elevated temperatures, as does stabilized grade 316Ti.

The austenitic structure also gives these grades excellent toughness, even down to cryogenic temperatures.

IMAGE	DESCRIPTION	AVAILABLE SIZE (MM)	IMAGE	DESCRIPTION	AVAILABLE SIZE (MM)
	CLEAT	150 200 250 300 380		CLEAT	320
	HEAVY DUTY CLEAT	76 100 125 150 200 250 300		HEAVY LOW SILHOUETTE CLEAT	100 125 150 200 250 300
	MAST CLEAT	100 125 150 200 250		CAMEL CLEAT	150 200 250
	HUMPBACKED CLEAT	150 200 250		PUSH PULL CLEAT	125 150










IMAGE	DESCRIPTION	AVAILABLE SIZE (MM)	IMAGE	DESCRIPTION	AVAILABLE SIZE (MM)
	SKENE BOW CHOCKS	115 150		BOW CHOCKS	100 125 150 200 250 300
	ANGLE FAIRLEADS WITH TWO WHEELS	200		HORN BOLLARD	150 200 250 300
	CROSS BOLLARD	83.5		BOLLARD	95 126 160
	CROSS BOLLARD	86		CROSS BOLLARD	85

IMAGE	DESCRIPTION	AVAILABLE SIZE (MM)	IMAGE	DESCRIPTION	AVAILABLE SIZE (MM)
	TOP CAP	Ø26		ADJUSTABLE CAP	Ø22 Ø25
	SWIVELLING JOINTS	Ø22.8 Ø26		FREE TURNING TOP CAP	Ø22.5 Ø25.6
	TWO SCREW TOP SLIDES	Ø19.5 Ø20.5 Ø22.5 Ø25.6 Ø30.6 Ø32.6		TOP SLIDE	Ø19.4 Ø23.7 Ø29.1
	TOP SLIDE	Ø22.2 Ø25.4 Ø32.5		TOP SLIDE	Ø25 Ø32

IMAGE	DESCRIPTION	AVAILABLE SIZE (MM)	IMAGE	DESCRIPTION	AVAILABLE SIZE (MM)
	STANCHION	HOLE L 46		STANCHION	L 49
	DRAIN PLUG	Ø52		OVAL HAWSEHOLES	172X232
	MOORING DECVICE	120 160		ANGLE PLATE	30 50 70
	HOOK	27		BOAT HOOK	170













IMAGE	DESCRIPTION	AVAILABLE SIZE (MM)	IMAGE	DESCRIPTION	AVAILABLE SIZE (MM)
	ANTENNA BASE	93X110		ANTENNA BASE	95X141
	ANTENNA BASE	92X113.5		HEAVY ANTENNA BASE	100X150

Marine grade stainless steel

IMAGE	DESCRIPTION	AVAILABLE SIZE (MM)	IMAGE	DESCRIPTION	AVAILABLE SIZE (MM)
	ROUND BASE 30°, 45°, 60°, 90°	Ø22 Ø25		RECTANGULAR BASE 30°, 45°, 60°, 90°	Ø22 Ø25
	SMALL BASE	Ø26.4		BIG BASE	Ø50
	SPECIAL BASE	Ø10		FLAG POLE BASE 80°	Ø25 Ø32
	PIPE BASE 60°, 90°	Ø25 Ø30		PIPE BASE	Ø25 Ø30

IMAGE	DESCRIPTION	AVAILABLE SIZE (MM)	IMAGE	DESCRIPTION	AVAILABLE SIZE (MM)
	STANCHION 60° (FRONT, CENTER, END)	Ø22 Ø25		BIG HANDRAIL SUPPORT (FRONT, CENTER, END)	Ø34 Ø39
	STANCHION TOP SLIDE	Ø22		STANCHION TOP CAP	Ø22
	SPECIAL STANCHION	Ø22		CONNECTION SADDLE	Ø65
	ANGLE HINGE BASE	18.5X61X28.4		REMOVEABLE DECK HINGE	FOR PIPE Ø22 Ø25 Ø32
	RAIL END	Ø22		RAIL END	Ø19.8 Ø22

IMAGE	DESCRIPTION	AVAILABLE SIZE (MM)	IMAGE	DESCRIPTION	AVAILABLE SIZE (MM)
	LEFT TEE 60° / RIGHT TEE 60°	Ø22 Ø25		SEPARABLE TEE 90°	Ø22.5 Ø25.6
	UNION ELBOW 90°	33X32.4		ELBOW FORMS 110°, 120°, 140°	Ø22 Ø25 Ø26
	BOW ANGULAR JOINT WITH EYE	Ø22		THREE WAY CORNER FITTING	Ø22 Ø25
	FOUR WAY CORNER FITTING	Ø22.5 Ø25.6		FIVE WAY CORNER FITTING	84X84

IMAGE	DESCRIPTION	AVAILABLE SIZE (MM)	IMAGE	DESCRIPTION	AVAILABLE SIZE (MM)
	INTAKE STRAINERS	3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2", 2", 2 1/2", 3"		THROUGH HULL OUTLETS WITH HOSE CONNECTION	3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2", 2"
	THROUGH HULL	3/8", 1/2", 3/4"		THROUGH HULL OUTLETS WITH HOSE CONNECTION	3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2", 2"
	THROUGH HULL OUTLETS	3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2", 2"		LONG THROUGH HULL OUTLETS WITH HOSE CONNECTION	1/2", 1", 1 1/4", 1 1/2",
	TANK VENT	Ø16.50		TANK VENT	Ø16
	ROD HOLDER	Ø41.7		ROD HOLDER	Ø41.7
	ROD HOLDER	Ø51		BOAT HOLDER BACK	1 5/8"

Marine grade stainless steel






IMAGE	DESCRIPTION	AVAILABLE SIZE (MM)	IMAGE	DESCRIPTION	AVAILABLE SIZE (MM)
	WELDABLE ROUND BASE 45°, 60°, 90°	Ø22 Ø25		WELDABLE RECTANGULAR BASE 90°	Ø22 Ø25
	FLAG POLE STANCHION BASE	Ø25.4		FLAG POLE STANCHION BASE	Ø25.4
	DECK HINGE BASE	18.5X60X36		HEAVY DECK HINGE BASE	27X54X21

IMAGE	DESCRIPTION	AVAILABLE SIZE (MM)	IMAGE	DESCRIPTION	AVAILABLE SIZE (MM)
	DRAIN COVER	Ø63		VENT	Ø110X140
	BUTTERFLY VENT	Ø3.5" Ø4" Ø5" Ø6"		LOUVERED VENT	Ø4" Ø5" Ø6"
	LOUVERED VENT	120X120		LOUVERED VENT	110X285
	LOUVERED VENT	127X228		LOUVERED VENT	160X240

















IMAGE	DESCRIPTION	AVAILABLE SIZE (MM)	IMAGE	DESCRIPTION	AVAILABLE SIZE (MM)
	LIFT RING	57X76		LIFT RING	44.5X63
	LIFT RING WITHOUT SPRING	38X44 56X64 58X78.5		TURNING LOCK LIFT HANDLE	68X80
	HATCH LOCK WITH LIFT RING	Ø60		HATCH LOCK WITH LIFT RING	Ø61

IMAGE	DESCRIPTION	AVAILABLE SIZE (MM)	IMAGE	DESCRIPTION	AVAILABLE SIZE (MM)
	DIN766 CHAINS	3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16, 18, 20, 23, 26		SWIVELLING AND ANCHOR CHAIN CONNECTION	M8, M12
	CHAIN STOPPER	98, 116, 283		ANCHOR CHAIN PIPE	Ø30
	CHAIN STOP	Ø11 Ø13		CHAIN STOPPER	Ø65.5
	CURRY CLAMP WITH GUID FOR ROPE	48, 54, 81		CLEATS FOR ROPE	47X23 65X30.5

IMAGE	DESCRIPTION	AVAILABLE SIZE (MM)	IMAGE	DESCRIPTION	AVAILABLE SIZE (MM)
	STEERING WHEEL	Ø280 Ø340 Ø390		HASP	L 50 L 100
	DOOR STOPPER	L 36.5 43.5 51 70		SWIVELLING HALT RING	L 45
	FREESTYLE CONNECTOR	L 810		FREE LINK SIT	Ø14
	RAIL MOUNT BRACKET	Ø22 Ø25		WATER SKI TOW	70X102 76X121
	EYE BOLT	10, 12, 14, 16		EYE BOLT	M6, M8, M10, M12, M16, M20, M24, M30

Marine grade stainless steel








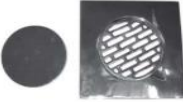
IMAGE	DESCRIPTION	AVAILABLE SIZE (MM)	IMAGE	DESCRIPTION	AVAILABLE SIZE (MM)
	DECK FILLER (GAS, FUEL, WATER)	Ø33.5 Ø38 Ø39 Ø45 Ø50 Ø51.5		DECK FILLER (GAS, FUEL, WATER)	Ø33.5 Ø38 Ø39 Ø45 Ø50 Ø51.5
	DECK FILLER (GAS, FUEL, WATER)	Ø38, Ø50		DECK FILLER (GAS, FUEL, WATER)	Ø38, Ø50
	DECK PLATE	Ø83.5, Ø110, Ø139		COCKPIT DRAIN	Ø37
	COCKPIT DRAIN	Ø76		FLOOR DRAIN	Ø96.5









IMAGE	DESCRIPTION	AVAILABLE SIZE (MM)	IMAGE	DESCRIPTION	AVAILABLE SIZE (MM)
	DELFTS ANCHOR	1.5KG, 2.5KG, 3.6KG, 5.5KG, 7.5KG, 9KG, 10KG, 12KG, 15KG, 16KG, 20KG, 25KG, 30KG, 35KG, 40KG, 50KG, 67KG, 75KG, 69KG, 91KG		FOLDING ANCHOR	0.7KG, 1.5KG, 2.5KG, 3.2KG, 4KG, 5KG, 6KG, 7.0KG, 8KG, 10KG, 12kg, 16kg
	DELTA ANCHOR	0.5KG, 1KG, 2KG, 5KG, 6KG, 8KG, 10KG, 16KG, 20KG, 30KG, 50KG, 60KG		PLOUGH ANCHOR	1KG, 2KG, 5KG, 7KG, 9KG, 10KG, 12KG, 15KG, 16KG, 20KG, 22KG, 27KG, 34KG, 50KG
	SPRING HOOK WITH SAFTY NUT	M6, M8, M10, M11		SWIVEL SNAP SHACKLE WITH EYE	70, 87, 128
	BLOCK WITH STAINLESS STEEL	103 116 150		CHAIN CLAW	Ø19 Ø28








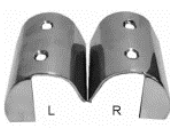






IMAGE	DESCRIPTION	AVAILABLE SIZE (MM)	IMAGE	DESCRIPTION	AVAILABLE SIZE (MM)
	FASTENER	28X43		WHIRL LOCK	L 52
	BUCKLE	32X49.5		HANDLE	50 60 65 78.5 90.5
	LADDER	254X365		PVC WATER DRAIN	36X64.5
	RUB RAIL	82° 3/4" 1" 1-1 1/4"		CABLE FIXATION	54X46X30

IMAGE	DESCRIPTION	AVAILABLE SIZE (MM)	IMAGE	DESCRIPTION	AVAILABLE SIZE (MM)
	CUP DRINK HOLDER	Ø107 H85		DRINK HOLDER	1.2"
	LURE RETRIEVER	20.5X225		LURE RETRIEVER	79X103
	TERMINAL WIRE ROPE	75X19.5		YATCH GUARDRAIL	5484X660

IMAGE	DESCRIPTION	AVAILABLE SIZE (MM)	IMAGE	DESCRIPTION	AVAILABLE SIZE (MM)
	D SHACKLE (DISMANTLE AXIS)	4, 5, 6, 8, 10, 12, 14, 16, 18, 20		U BOLT DOUBLE STEMMED (DISMANTLE PLATE)	M4, M5, M6, M7, M8, M10, M12
	OARLOCK SERIES	162		OARLOCK SERIES	190
	TURNBUCKLE	M5, M6, M8, M10, M12, M16, M20		RIGGING SCREW JAW/JAW	M4, M5, M6, M8, M10, M12, M14, M16

Marine grade stainless steel









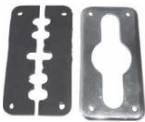

IMAGE	DESCRIPTION	AVAILABLE SIZE (MM)	IMAGE	DESCRIPTION	AVAILABLE SIZE (MM)
	PAD EYE	4 5 6 8		HANDRAIL	150 200 250 300 350
	PAD EYE OVAL BASE	45 60 80		SLIDER FUR STRAP	38 48
	PAD EYE STAMP	59 64 80		HANDLE	105 132.3 147.3
	HANDLE	72		HANDLE	79.5 113 140 172
	THROTTLE CABLE COMP GLAND	62X126		ADJUSTABLE DRINK HOLDER	96X103




















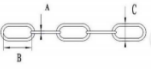

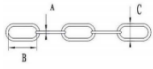
IMAGE	DESCRIPTION	AVAILABLE SIZE (MM)	IMAGE	DESCRIPTION	AVAILABLE SIZE (MM)
	FOLDING PANEL	91		MIDGET VENT	40 55
	BOW ROLLER	340X60		BOW ROLLER	165X63
	RUDDER BASE	88X61.5		BRACKET	65
	DOOR STOP CATCHER	HOLE L 35.4		MARINE LOCK	108X120
	TURNING LOCK LIFT HANDLE	Ø60		TURNING LOCK WITH LIFTING KEY	Ø61

IMAGE	DESCRIPTION	AVAILABLE SIZE (MM)	IMAGE	DESCRIPTION	AVAILABLE SIZE (MM)
	LOCK HINGE	28X79 37.5X97 38.5X107.5		SWIVEL HASP	36.5X73.5
	LOCK HINGE	40X1130		SWIVEL HASP	28X62 28X70
	SWIVEL HASP	23X73.5 24X76		SWIVEL HASP	111
	HINGE	40.8X149.8 H 12		HINGE	165X300

IMAGE	DESCRIPTION	AVAILABLE SIZE (MM)	IMAGE	DESCRIPTION	AVAILABLE SIZE (MM)
	HINGE	44X85X4 180° 35X70X4 180° 50X95 H 4 90°		HINGE	38X75 H3.2
	HINGE	24.3X97.5 H 4.8 25X105 H 5		HINGE	38X57 H 3 38X75 H 3
	HINGE	38X75 H 3, 3.5, 5.3		HINGE	38X38 50X50 75X75 H 1.5, 3, 3.5, 4.5, 5
	HINGE	72.5X100 H5		HINGE	38X38 H10
	Din766-Q235 Electro- Galvanized Chains	 AxBxC 8X24X27.2 10X28X34 12X34X40.8		Din766-AISI 316 Chains	 AxBxC 8X24X27.2 10X28X34 12X34X40.8



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