

COVERS & ACCESSORIES

USEFUL HINTS

Maintenance and Cleaning

To keep the 'SeaCover' clean and protected when not in use Lalizas provides you with its storage bag.

To extend the products' life clean it with a soft bristle brush and lukewarm water. NEVER use soap as it may damage the protective coating of the 'SeaCover'.

ALWAYS leave to dry completely before storing it.



NEW

Optimist Boat Cover

Protects your Optimist from heavy wear and prolongs its life. Optimist boat cover drapes the entire dignity and closes tightly for storage. It is made of heavy duty 600D Polyester with PVC backing and ripstop reinforcement to resist in rough weather conditions.

Code....70174



BEST VALUE



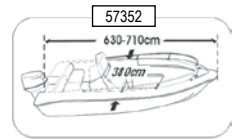
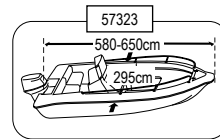
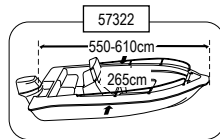
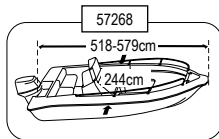
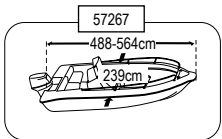
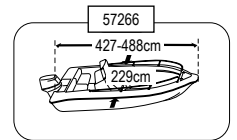
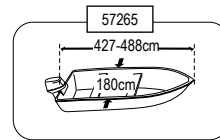
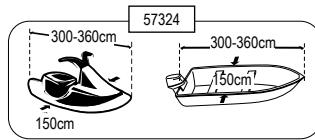
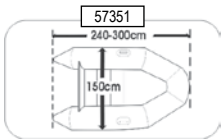
Boat Cover "SeaCover"

Boat Cover, "SeaCover" is ideal to cover and protect your boat against rain, dust and sun when you don't use it. It combines high construction standards with high quality materials. It is available in several sizes depending on the boat's dimensions. Mini, junior and sizes from 1 to 6 are made from extra strong PA coated Polyester 300D for maximum water resistance and they are available in silver colours. "Sea Cover, Size 7" is made from 600D Polyester and it is available in blue colour. All of them feature an elastic cord all around for ideal fit and double stitched seams for long lasting use. Additionally they have non-scratching plastic D-rings for extra hull protection. The "Sea Cover" can be used in fishing or recreational boats, inflatable or motorboats with or without cockpit and rails.



| Code | 57351 | 57324 | 57265 | 57266 | 57267 | 57268 | 57322 | 57323 | 57352 |
|--------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|
| Size | Junior | Mini | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Loops | Each Side | 2pcs | 3pcs | 4pcs | | | | | |
| | Back | 2pcs | 2pcs | 2pcs | | | | | |
| | Total | 6pcs | 8pcs | 10pcs | | | | | |
| Colour | Silver | | | | | | | | Blue |

BOATS & ENGINE ACCESSORIES



Code.....57276

Boat Cover Support System

The Boat Cover Support System will ideally extend the life of your boat and cover. Easily installed and adjusted, it keeps water and debris from accumulating in the center of the cover. The kit includes one telescopic aluminium pole (50cm to 116cm) that is positioned in the center of your boat with a wide support on top and polypropylene webbing straps, which are hooked from bow to stern. The Boat Cover Support System fits all covers for boats up to 7m.

Installation Instructions:

1. Position the strap center point over the bow of the boat. The protective sleeves should be positioned so that the strap does not come in contact with the front edges of the boat.
2. Pull the straps evenly over the boat
3. Weave the straps through the triangular support piece in an "under-over-under" pattern, so that the straps lay on top of the support
4. Insert the pole into the triangular support piece and raise the pole to its highest point. Twist the pole sections to loosen and to tighten
5. Hook the ends of the straps on the boat trailer
6. Adjust the straps evenly so that they are tight and the pole stands upright
7. Carefully pull the boat cover over the straps, so as not to push over the pole. The pole may need to be adjusted in height depending on the shape and size of your boat and its cover





Engine Covers

The "SeaCover" for engines are ideal for the protection against water, sun and dust. They are made from extra strong Polyester 420D, 0,15mm thick for maximum water resistance and UV protection.

They are suitable for most types of outboard engines, from 2 to 300hp and are available in two different types. There are the covers which are suitable only for the top part of the engine (not the shaft) and feature an elastic cord all around for ideal fit to most types of outboard engines and there are also the full body covers, which feature an elastic cord and a zipper so as to ensure the best possible engine's protection, including its shaft. You can find 7 different sizes of the covers for the top part of the engine and 3 different sizes for the full body covers. All "SeaCover" are supplied in silver colour.

The tables below show the different sizes of the "SeaCover". The dimensions refer to the length, the width and the height of the cover (Drawing 1). The horsepower given is approximate and it is not the only factor that should be taken into consideration when choosing your cover. The type of the engine (2 stroke, 4 stroke), the length of the throttle grip, the brand of your motor and its production date should also affect your choice, as they differentiate the size of the engine.

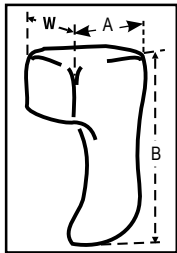


Full body covers

| Code | 57329 | 57330 | 57331 |
|-------------------|--------|-------|--------|
| H.P (Approximate) | 2,5-10 | 8-70 | 70-150 |
| A(cm) | 75 | 87 | 125 |
| B(cm) | 25 | 157 | 210 |

Covers for the top part of the engine

| Code | 57269 | 57270 | 57271 | 57272 | 57273 | 57274 | 57275 |
|-------------------|-------|-------|-------|-------|--------|---------|---------|
| H.P (Approximate) | 2-5 | 2-15 | 10-45 | 30-90 | 70-150 | 115-225 | 150-300 |
| A(cm) | 40 | 48 | 55 | 63 | 73 | 75 | 90 |
| B(cm) | 25 | 27 | 33 | 35 | 40 | 45 | 60 |
| C(cm) | 32 | 35 | 45 | 50 | 65 | 75 | 80 |

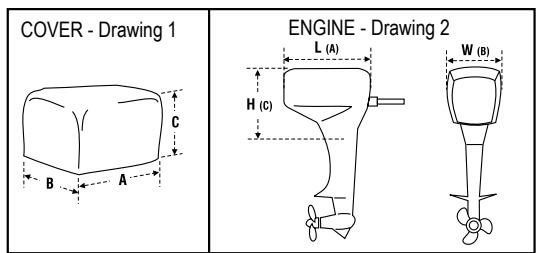


To choose the most suitable full-body cover for your engine, you should measure the engine's height (B) as well as its width (W). In order to calculate correctly the maximum height that the appropriate cover should have, you should deduct from the engine's height (B) half of its width (W).

For instance, if the height (B) of your engine is 210cm and its width (W) is 50cm, then the cover that you need should be 185cm (210cm-25cm) high. Therefore, in this case, the correct cover is cover 57331, which is 210cm high, as indicated in the relevant table.

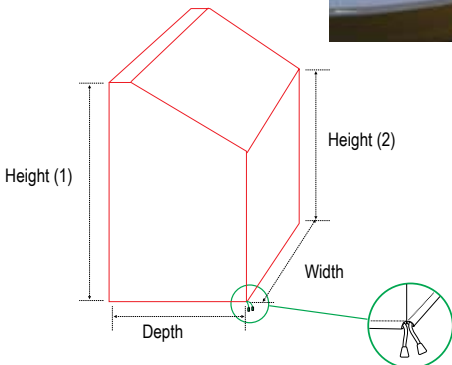
To choose the most suitable cover for the top part of your engine, measure it as shown in the Drawing 2 and determine the dimensions that more closely match your model.

*When calculating the height of the engine you should also include a part of the shaft, as shown in Drawing 2, in order to ensure that the engine will be covered completely underneath (apart from the shaft).



Console Cover

This console cover is provided in silver colour and in four different sizes. It is made from extra strong Polyester 420D, 0,15mm thick with double stitched seams for long lasting use and it features a cord all around at the bottom side for ideal fit. It also provides superb UV Protection and reduces the damage possibility of instruments and electronics because of weather conditions.



| Code | Size | Dimensions (cm) | | | |
|-------|------|-----------------|------------|-------|-------|
| | | Height (1) | Height (2) | Depth | Width |
| 57355 | 1 | 115 | 90 | 45 | 55 |
| 57356 | 2 | 90 | 65 | 75 | 85 |
| 57357 | 3 | 120 | 105 | 70 | 65 |
| 57358 | 4 | 140 | 100 | 90 | 70 |

"Sea Tarpaulin" Protective Tarpaulin Cover

It can be used in various applications such as:

- Cover boats, cars etc.
- Tent on boats
- Cover equipment and machinery stored in outside areas
- Cover painted areas
- Camping
- Swimming-pool cover and many others

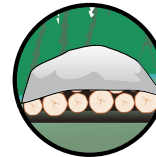


Characteristics of the 'Sea Tarpaulin'

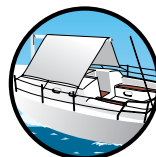
- Extra strong Polyethylene
- Water resistant and weather proof
- Re-usable
- Washable
- UV resistant
- Laminated on both sides for maximum weatherproofing



Boat Cover



Outside Storage

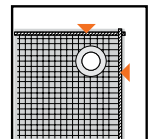


Boat Tent



Camping

| Code | Dimensions(m) |
|-------|---------------|
| 57227 | 2 x 1,5 |
| 57228 | 2,5 x 2 |
| 57229 | 3 x 2,5 |
| 57230 | 3 x 3 |
| 57231 | 4 x 2,5 |
| 57232 | 4 x 3 |
| 57233 | 4 x 4 |
| 57234 | 5 x 2,5 |
| 57235 | 5 x 3 |
| 57236 | 5 x 4 |
| 57237 | 5 x 5 |
| 57238 | 6 x 3 |
| 57239 | 6 x 4 |
| 57240 | 6 x 5 |
| 57241 | 7 x 4 |
| 57242 | 7 x 5 |
| 57243 | 7 x 6 |
| 57244 | 8 x 4 |
| 57245 | 8 x 6 |
| 57246 | 9 x 5 |
| 57247 | 9 x 7 |



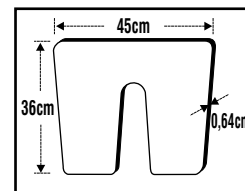
Outer edges Reinforced with rope sealed in hem for extra strength



Outboard Transom Pad, 45 X 36cm

Ideal for wide transoms. This pad offers protection against outboard clamp damage and also helps absorb engine vibration. Constructed from rigid UV stabilized, polypropylene with a non-slip surface for secure engine mounting.
Dimensions: 45x36x0,64cm

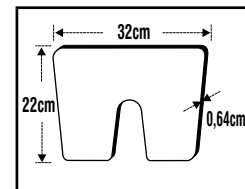
Code.....10311
Colour.....White



Outboard Transom Pad, 32 X 22cm

Offering protection against outboard clamp damage for most sizes of transoms, this pad is constructed from rigid UV stabilized polypropylene with a non-slip surface for secure engine mounting.
Dimensions: 45x36x0,64cm

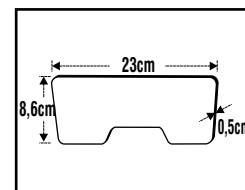
Code.....10314
Colour.....White



Outboard Transom Pad, 23 X 8,6cm

This pad is suitable for smaller transoms and outboards. Made from rigid, UV stabilized plastic, the pad protects against damage whilst providing a secure non slip surface for outboard engine mounting.
Dimensions: 23x8,6x0,5cm

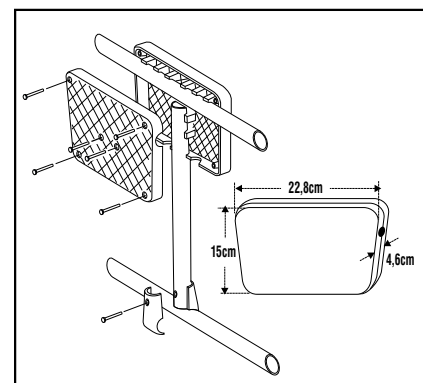
Code.....10317
Colour.....White



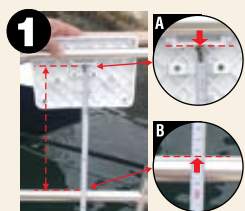
Rail Mount Motor Bracket White, 22,8 x 15cm

Ideal for permanently mounting your outboard on the stern rail instead of storing it when not in use. Constructed from rigid, non-slip UV resistant polypropylene, the bracket provides a secure and stable mount for your auxiliary outboard engine. Designed to fit 25mm diameter rails.
Dimensions: 22,8 x 15 x 4,6cm

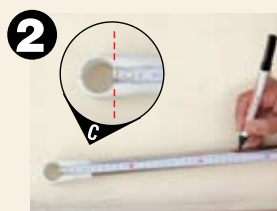
Code.....10319



Mounting the Rail Mount Motor Bracket



1. Place one part of the bracket on the upper rail and measure the distance between the points shown at pictures A & B.



2. Starting from the point shown on picture C, mark the measurement taken at the previous step, and cut the remaining piece (use a cloth so as not to damage the tube)



3. Screw the tube to the lower rail



4. Mount one part of the bracket on the upper rail and the tube. Fit the other part and secure with the screws supplied



Steering Wheel "Classic"

Steering wheel "Classic" is made of polypropylene with 350mm in diameter, while the diameter of the wheel's hole is 37mm. It has ergonomic design and simple aesthetics so as to fit in your boat. Lalizas offers you the opportunity to customize the logo label on the centre of the steering wheel, by adding the 70129 customized PVC sticker. The "Classic" steering wheel is available in white and black colour.

NEW
BEST VALUE



70001



70132

**Steering Wheel, "Classic",
Diam. 350mm**

Code.....70001 70132
Colour.....Black White

FLUSHERS

NEW
BEST VALUE



**Motor flusher
rectangular**

Code....98748

NEW
BEST VALUE



**Motor flusher
oval**

Code....98749

HYDROFOILS

ADVISOR

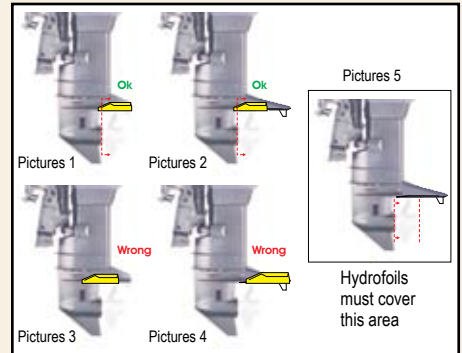
Use: Hydrofoils are specially designed wings that increase the motor's performance. They are available in two sizes, for 4HP to 50HP motor and for 50HP and above. They are placed just above the propeller. With the hydrofoils fuel consumption is decreased, navigation is much smoother, stability is increased and they offer a maximum lift, reducing at the same time cavitation. Hydrofoils also help the boat to trim easily.

Instructions of Use: Hydrofoils are fixed above the propeller on the cavitation plate and they are attached with stainless steel screws. The hydrofoils are fully adjustable for a smoother ride.

Mounting the hydrofoils on the outboard

The basic rule regarding the position of the hydrofoil is right above the propeller on the cavitation plate. The ideal position is for the hydrofoils to be mounted starting a couple centimetres before the propeller (see picture 1 and 2) and thus covering it completely (see picture 5). In this way, when the propeller starts to spin, most of the water will be pushed against the hydrofoil, thus maximising the steering and planing capabilities. If the hydrofoil is mounted too far ahead (see picture 3), then very little water will be pushed against it or if it is mounted too far at the back (see picture 4), the maximum power of the water will be lost before the hydrofoil.

Replacement: These products do not need any maintenance. However, if you notice any cracks in one or both hydrofoils you should replace them. Also, if at any point you notice excess vibrations on the steering wheel or outboard motor, you should replace the hydrofoils immediately.

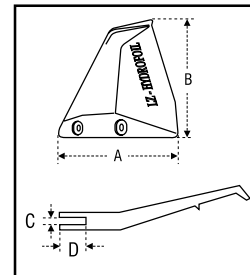


LZ-Hydrofoil

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

The features that count:

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



- Secure mounting with bolts
- For use on outboard motors

| | | |
|---------------------------------|--------------|---------------|
| Code..... | 10121 | 10122 |
| For engines.....for 4HP to 50HP | | 50HP and over |
| A(mm)..... | 185 | 270 |
| B(mm)..... | 180 | 240 |
| C(mm)..... | 5 | 7 |
| D(mm)..... | 23 | 30 |

INFLATION PUMPS

Disassembles easily for inspection or maintenance

- Ideal for use on large inflatables
- Continuous stream - pumps air on both the up and down stroke
- Simple push-in hose-to-pump connection to inflates or deflates
- Disassembles easily for inspection or maintenance

Comes with large, non-Link hose and 4 sizes of interchangeable connecting nozzles and a multi-valve adaptor



Code.....10230

Adjustable pressure release valve



Multi-Valve Adaptor
Code.....10231

Double Action Hand/Floor Pump

LALIZAS has designed the practical and highly effective 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 that 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 complete with a flexible air tube with 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. The easy to maintain LALIZAS Double Action Hand/Floor Pump is constructed in strong, non corrosive, lightweight, grey plastic.

BOATS & ENGINE ACCESSORIES



Code....11501

Electric Boat Inflator SeaPump 12V, 40mbar, 400lt/min

- Ability of inflation and deflation
- Self-adjusting pressure at 40 mbar (0,55psi) so as to avoid over-inflation
- Fast and durable motor
- Low current consumption
- Supplied with an adaptor suitable for the most common type of valves
- Can be connected to the car lighter (3m cable)



Code.....31407

Quick Pump "Sea Power", 12V, 60W

This high volume 12V Quick Pump "Sea Power" is suitable for inflating/deflating items such as inflatable boats, towable tubes, beach ball, large water toys, etc. It inflates/deflates in 0.3 CBM/minute. It is easy to use by simply plugging into a cigarette lighter socket. Includes 3 nozzle adaptors.

Features: 12V DC, 60W, Inflation rate: 0.3CBM/ Min, Deflation rate: 0.3CBM/ Min, Suction Power: 1450 Pa



Footpump, type SeaPump

Code.....11498 50952 11500
Litre(t)..... 3 5 6



Key for valves

Code.....98789

BEST VALUE



Inflating adaptor for valve

Code.....98970

BEST VALUE

DECK FILLS

Deck fillers for gas,diesel,water,waste, black

The Lalizas Deck Filler range includes 6 different deck fills appropriate for water, fuel and wastes. They are designed in such a way, so that the full lid area is covered, "hiding" in this way the holes, making the product look attractive. You have the ability to lock the deck fills with button, winch handle or by hand. 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 Polypropylene with 30% GF and are available in 38mm and 50mm diameter.



Deck filler for gas, diesel, water, waste, black (locking button)

Code..... 99764 99765
Tube diam.....38mm (1-1/2") 50mm(2")



Deck filler for gas, diesel, water, waste, black (locking w/ winch handle)

Code..... 99766 99767
Tube diam.....38mm (1-1/2") 50mm(2")



Deck filler for gas, diesel, water, waste, black

Code..... 99567 99568
Tube diam.....38mm (1-1/2") 50mm(2")

Heavy-duty INOX 316 hose clamps

Lalizas hose clamps are designed for heavy-duty secure hose connections, such as with exhaust hoses. They are constructed from Stainless Steel 316 for the ultimate resistance to corrosion. They also feature smooth imperforated band surface and rolled edges, so as to prevent hose damage. Sizes varying from 29mm up to 175mm with band spreads from 2mm to 12mm and width from 20mm up to 26mm depending on the model, will guarantee that you will find the one suitable for your boat's hoses.



| | DIN | AISI/AS | BS | AFNOR NF | SUS |
|-------------|--------|---------|--------|------------|-----|
| Hose clamps | 1.4401 | 316 | 316S16 | Z6CND17.12 | 316 |
| Screw | 1.4401 | 316 | 316S16 | Z6CND17.12 | 316 |



| INOX 316 | Code | 10280 | 10281 | 10282 | 10283 | 10284 | 10285 | 10286 | 10287 | 10288 | 10289 | 10290 | 10291 | 10292 | 10293 | 10294 |
|----------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | Width(mm) | 20 | | | | | 22 | | | | | 24 | | | | |
| | Diameter(mm) | 29-31 | 31-34 | 36-39 | 40-43 | 44-47 | 47-50 | 52-55 | 56-59 | 60-63 | 64-67 | 68-73 | 74-79 | 80-85 | 86-91 | 92-97 |

| INOX 316 | Code | 10295 | 10296 | 10297 | 10298 | 10299 | 10300 | 10301 | 10302 | 10303 | |
|----------|--------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|--|
| | Width(mm) | 24 | | | | | 26 | | | | |
| | Diameter(mm) | 98-103 | 104-112 | 113-121 | 122-130 | 131-139 | 139-147 | 148-160 | 162-174 | 175-187 | |

INOX 304& 316 hose clamps

Lalizas hose clamps are especially designed for marine use, with band, housing and screw all made from Stainless Steel for extra resistance to corrosion. They feature fixed housing and bevelled edges, whereas the complete smoothness of the internal surface will definitely protect from any kind of hose damage. Lalizas hose clamps are available in various sizes from 8mm to 140mm with band spreads from 8mm to 20mm and width of 9mm or 12mm depending on the model and in two types depending on their material, stainless steel 304 and 316.



| | DIN | AISI/AS | BS | AFNOR NF | SUS |
|-------------|--------|---------|--------|------------|-----|
| Hose clamps | 1.4401 | 316 | 316S16 | Z6CND17.12 | 316 |
| Screw | 1.4401 | 316 | 316S16 | Z6CND17.12 | 316 |
| Hose clamps | 1.4301 | 304 | 304S15 | Z6CN18.09 | 304 |
| Screw | 1.4301 | 304 | 304S15 | Z6CN18.09 | 304 |



| INOX 316 | Code | 11113 | 11114 | 11115 | 11116 | 11117 | 11118 | 11119 | 11120 | 11121 | 11122 | 11123 | 11124 | 11125 | 11126 | 11127 | 11128 | 11129 | 11130 | |
|----------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|---------|---------|---------|--|
| | Width(mm) | 9 | | | | | | | | | 12 | | | | | | | | | |
| | Diameter(mm) | 8-16 | 12-20 | 16-25 | 20-32 | 25-40 | 16-27 | 20-32 | 25-40 | 32-50 | 40-60 | 50-70 | 60-80 | 70-90 | 80-100 | 90-110 | 100-120 | 110-130 | 120-140 | |

| INOX 304 | Code | 11479 | 11480 | 11481 | 11482 | 11483 | 11484 | 11485 | 11486 | 11487 | 11488 | 11489 | 11490 | 11491 | 11492 | 11493 | 11494 | 11495 | 11496 | |
|----------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|---------|---------|---------|--|
| | Width(mm) | 9 | | | | | | | | | 12 | | | | | | | | | |
| | Diameter(mm) | 8-16 | 12-20 | 16-25 | 20-32 | 25-40 | 16-27 | 20-32 | 25-40 | 32-50 | 40-60 | 50-70 | 60-80 | 70-90 | 80-100 | 90-110 | 100-120 | 110-130 | 120-140 | |



BEST VALUE

THE ULTIMATE PROTECTION FOR YOUR BOAT'S DOCUMENTS



Fuel Tank

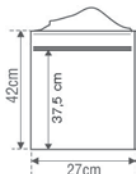
Made from extremely tough polyethylene, moulded in one piece, this fuel tank will not rust or corrode. It is ideal for use with outboard motors.
Capacity: 25 Lt (6 Gallons)
Dimensions: 46x28x28cm

Code..... 10020

Dry Briefcase

LALIZAS Dry Briefcase has been designed especially for the protection of your boat's documents. Manufactured from durable vinyl, it has clear front panel, which allows you to see the contents of the bag. Furthermore, each dry bag has a lanyard loop. The Dry Briefcase has the advantage of floating in the water, depending, however, on the air captured and the weight of the contents. It features a 100% waterproof seal with Velcro.

Code..... 10450

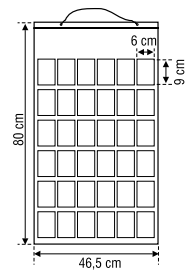


The dimensions shown are when the bag is empty

Letter Case

LALIZAS Letter Case has been designed for the convenient and effective display of the letters, used to mark the boats. It is manufactured from durable vinyl. It is available in grey colour with 36 clear front panels, which allow the customers to see the letters easily and choose the ones needed. On the top there is a clear pocket 10x45cm where retailers can place the logo of their shop. No letters are supplied with the letter case.

Code..... 10451



Flexible Funnel with Filter
Diam:145mm

Code.....31354

Trailers

Trailer Winch, 3 way, single and double gear, galvanized

The Seaware winches are made of corrosion-resistant, galvanized steel for prolonged life. Our winches feature 3 positions (forward, neutral and reverse), set by their comfortable handle. Their gear ratios reduce users' effort and increase pulling efficiency. The capacity of Seaware winches ranges from 636 to 1135kg.



| Code | Capacity | Gear Ratio |
|-------|--------------------|----------------|
| 11880 | 1400 lbs / 636kgs | 4:1 |
| 11881 | 1800 lbs / 815kgs | 5,1:1 |
| 11882 | 2500 lbs / 1135kgs | 5,1:1 & 12,2:1 |

ADVISOR What is a trailer winch?

A trailer winch is a machine mounted on the trailer, used to pull the boat onto and out off the trailer. Its function is based on the mechanical advantage created through its spur gears.

Use: Each winch features two spur gears, a small one and a big one, which are connected to each other. The handle is attached to the small gear, which moves the big gear where the cable or strap is wrapped around. This arrangement multiplies your strength and allows you to lift great loads easily.

Seaware winches have 3 positions: forward, neutral and reverse

Forward: it is the position used to haul the boat by moving the handle only clockwise. If you try to move the handle counterclockwise, the ratchet pawl will lock the gear and the winch will stop turning.

Reverse: it is the position used to launch the boat by moving the handle only counterclockwise. If you try to move the handle clockwise, the ratchet pawl will lock the gear and the winch will stop turning.

Neutral: you can turn the handle either clockwise or counterclockwise without lock.

Gear Ratio: The gear ratio refers to the relation between the small and the big gear that multiplies your strength. For example: 4:1 means that the small gear turns 4 times, in order for the big gear to turn once.

Choose the right trailer winch for your boat:

It is very important to choose the right trailer winch for your boat. For heavier and longer boats, use winches with larger capacities and longer straps or cables. It is generally recommended to use a winch of a capacity at least half the combined weight of your boat, motor and fuel.

Safety Tips:

- Always inspect visually the strap or cable before each use
- Never use straps or cables that are worn, kinked or damaged
- Ensure that the strap or cables is securely attached to the bow eye of the trailer
- Never let anyone stand in or behind the boat, or near the winch line

Maintenance:

- Clean the ratchet pawl mechanism regularly.
- Add a few drops of lubricant on the ratchet pawl mechanism
- Always maintain a film of grease on the spur gears

BOATS & ENGINE ACCESSORIES



Winch Strap

| Code | Loading | Length | Width |
|-------|----------|-----------|-------|
| 99093 | 2000 Kgs | 6m/20ft | 50 mm |
| 99094 | | 7,5m/25ft | |



Pass the pin, supplied with the strap, through the hole of the drum, at the spur gear's side and then through the strap loop (picture 1). Screw the bolt to secure the pin on the drums (picture 2).



Winch cable with hook

| Code | Loading | Length | Diameter |
|-------|----------|---------|----------|
| 99600 | 1700 Kgs | 9m/30ft | 5 mm |

There are 2 ways to attach the winch cable on the winch.

1st way:
Use the cable clamp to attach the edge of the winch cable on the drum



Boat Position ←

2nd way:
Follow the arrows to fix the cable on the winch by passing it through the 4 holes on the drum



Boat Position ←



Tie Down Strap with self padded buckle

| Code..... | 99006 | 99007 | 99008 |
|--------------------|-------|-------|-------|
| Width(mm)..... | 25 | 25 | 35 |
| Length(m)..... | 2,5 | 4 | 6 |
| Breaking Load(kg). | 250 | 250 | 500 |



Carbon steel

Ratchet Tie-Down with double J hook

| Code..... | 99013 | 99014 | 99015 |
|--------------------|-------|-------|-------|
| Width(mm)..... | 30 | 35 | 50 |
| Length(m)..... | 6 | 7 | 8 |
| Breaking Load(kg). | 1500 | 2500 | 5000 |



Carbon steel

Ratchet Tie-Down with S hook

| Code..... | 99009 | 99010 | 99011 | 99012 |
|--------------------|-------|-------|-------|-------|
| Width(mm)..... | 25 | 25 | 25 | 25 |
| Length(m)..... | 3 | 6 | 3 | 6 |
| Breaking Load(kg). | 250 | 250 | 500 | 500 |

ADVISOR

What is a Jockey Wheel?

A trailer jack is a telescopic pole with a wheel at the end. It is mounted on the frame of the trailer so as to easily load and un-load the trailer from the ball hitch, as well as, raising the trailer to a proper angle.

Use:

When you want to release the trailer from the ball hitch, start turning the swivel of the jockey wheel clockwise to lower the wheel. Continue as such until the later reaches the ground and supports the frame of the trailer. It is then safe to unlock the coupling from the ball hitch.

When you want to tow the trailer, lock the coupling on the ball hitch and start turning the swivel counterclockwise. The wheel gradually raises and the frame of the trailer will be supported on the ball hitch. Keep turning the swivel until the wheel is raised completely.

Safely Tips:

- Ensure that you have completely raised the wheel before towing
- When cranking or coupling trailer, secure trailer from rolling with chocks on both sides



Spare Wheel for Jockey Wheel, 200x50mm

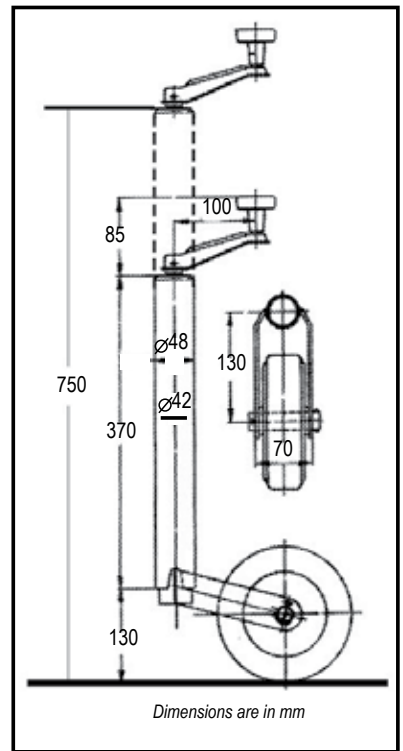
Code..... 90288



Jockey Wheel

The Seaware jockey wheel is made from high quality steel and features rubber wheel for maximum support of the frame of the trailer. It can reach up to 750mm max. height while the min. height is 500mm.

Code..... 99634
 Loading(Kgs)..... 360
 Min.height (mm)..... 500
 Max. Height (mm)..... 750
 Wheel dimensions(mm)....200x50



USEFUL HINTS

Before each use, it is highly recommended to:

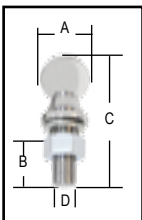
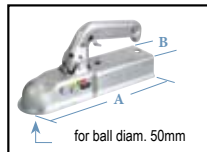
- Visually inspect the ball hitch and coupling for signs of damage
- Make sure that the ball hitch is properly locked inside the coupling and that the coupling is not sitting on the top of the ball. Once they are properly attached, the jockey wheel will not be able to lift the trailer from the ball hitch
- When cranking or coupling trailer, secure trailer from rolling with chocks on both wheels



Trailer Coupling, 2000lbs / 900kgs, for 50mm ball

The Seaware trailer couplings have a robust construction and a safe locking mechanism. They lock perfectly on the Seaware ball hitch.

Code..... 11885 11886
 A: External length (mm)... 260 260
 B: Internal width (mm)..... 54 64



Trailer Ball Hitch, 50mm

Seaware ball hitch ensures top performance and many years of service.

Code..... 11883
 Loading..... 3500lbs / 1590kgs
 A: Ball Diameter (mm)..... 50
 D: Shaft Diameter (mm).... 22
 B: Shaft Length (mm)..... 50
 C: Overall Length (mm).... 124



Trailer Plug Male, 7 pin, for 11887 plug

Code.....99605



Trailer Plug Female, fixed, 7 pin

Code.....11887



LED Trailer Light, waterproof

- Application: Stop / Tail / Indicator Light
- Multi-Working Voltage: 12V & 24V
- Low Power Consumption
- Longer Life
- Easy to Install
- Waterproof
- Shockproof
- Vibration proof
- Rustproof

Code..... 90006 90007
 Description..... Double Single
 Dimensions(mm).... 190x100x28 100x100x28mm
 LEDs..... 72 (36A & 36R) 24 (12A & 12R)



NAVIGATION

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▶ Compasses for Sailboats page 74-75

▶ Binoculars page 76-77



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Parallel Rules

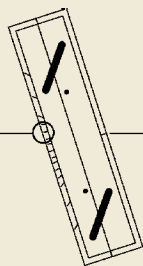
The parallel rules are used to measure course bearing.

USING THE RULE WITH THE PROTRACTOR SCALE

The protractor scale in combination with the parallel rules give you direction in degrees, using any meridian of longitude. Follow the steps below:

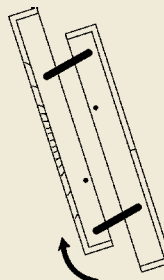
1. Align the rule on the course line required
2. Walk the rule until the center point 'S' at the rear is right on the nearest meridian of longitude
3. The direction is shown using the scale of degrees on the rule's edge, which the same meridian crosses. The outer scale (smaller numbers-0o to 180°) is used if traveling in an easterly direction, while the inner scale (bigger numbers-180° to 360°) is used if the direction is westerly

This rule can also be used as a plotter on badly creased charts that do not allow walking the rule to the compass rose.



Read course here. Both directions of the rule are calibrated, including 180 degrees apart

Line up the mark 'S' on the nearest meridian of longitude



Lift and swing one rule, while holding firmly in place the other. The rules are moved in a walking action.

BEST VALUE



Parallel ruler

Code.....94008 94009
Length.....38cm (15") 30cm (12")

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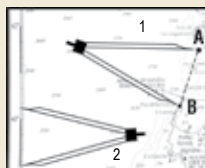
Dividers

They are mostly used in conjunction with the latitude scale to measure the distance between two chosen points on the nautical chart.

How to use the dividers

Place one pin of the dividers on the first point (A) and the other pin to the second point (B) as shown in Figure 1.1. Then, maintaining the spread, move the dividers to the latitude scale on the side of the chart (Figure 1.2).

- 1.2) Always use the latitude scale situated in the same horizontal region you are measuring
- Occasionally the distance between the two points that you need to measure on the chart may be over the full spread of the dividers. In this case, you measure the distance following the steps below
1. Draw a straight line between the two points. The line will be your guide to walk the dividers. Alternatively you may use a straight edge to guide the dividers
 2. Set the dividers to a whole number, using the latitude scale
 3. Maintaining the span, place the dividers along the line with one pin on the first point
 4. Walk the dividers along the line, by swinging one leg past the other, making sure that the pins are always set on the line, and that the span is not closed or opened. (See Figure 2)
 5. Count the steps and multiply by the whole number that you set the dividers in the beginning
 6. Adjust the span to the remainder of the distance and move the dividers to the latitude scale
 7. Add the last number to the cumulative total of the previous steps. This is the distance you want to measure



Straight pattern brass dividers

Dividers is a necessary tool 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.....94003 94004
Length.....17,8cm (7") 20,3cm (8")

BEST VALUE



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..... 93968 93969
Length.....17,8cm (7") 20,3cm (8")

BEST VALUE

